



- **Board of Directors**
Finance and Insurance Committee

2/8/2022 Board Meeting

9-2

Subject

Proposed biennial budget, which includes the Capital Investment Plan and revenue requirements for fiscal years 2022/23 and 2023/24; proposed water rates and charges for calendar years 2023 and 2024 to meet revenue requirements for fiscal years 2022/23 and 2023/24; ten-year forecast; Cost of Service Report

Executive Summary

This letter presents the proposed biennial budget (“Proposed Biennial Budget”) and revenue requirements for fiscal years (FY) 2022/23 and FY 2023/24 (FYs 2022/23 and 2023/24), proposed water rates and charges for calendar years (CY) 2023 and CY 2024 (CYs 2023 and 2024) to meet Metropolitan’s revenue requirements, a ten-year forecast, and the Cost of Service Report supporting the proposed rates and charges. The proposal begins with Workshop #1 on February 7, followed by a series of workshops and a public hearing, culminating in Board consideration on April 12, 2022.

The Proposed Biennial Budget appropriates \$2.200 billion for FY 2022/23 and \$2.293 billion for FY 2023/24, requiring revenue from rates and charges of \$1.732 billion and \$1.812 billion in each year, respectively. The revenue requirements for the proposed water rates and charges for CYs 2023 and 2024 are based on the FYs 2022/23 and 2023/24 proposed budgets, respectively. The \$1.732 billion revenue requirement for FY 2022/23 is an increase of \$25 million from the FY 2021/22 budget. The FY 2023/24 revenue requirement of \$1.812 billion is an increase of \$79 million from the FY 2022/23 proposed budget. Revenue requirements represent the amount of revenue to be recovered from rates and charges, after the application of property taxes, investment income, and other sources of revenue.

The proposed rate increase includes: the 5 percent previously forecasted to catch-up for the loss of the Water Stewardship Rate (WSR) revenue, increased costs, and the effect of the latest water demand projections showing a downward trend. Water demands are projected to decrease 60 thousand acre-feet (TAF) over the proposed biennial budget period, from 1.60 million acre-feet (MAF) to 1.54 MAF, and are expected to continue to decline to 1.51 million MAF by FY 2025/26. These lower projected water demands have resulted in higher rate increases than previously forecasted.

To mitigate the rate impacts, the Proposed Biennial Budget incorporates actions to reduce the projected overall rate increases due to increased costs to 3 percent per year, well below the rate of inflation. In total, the proposed overall rate increase for 2023 and 2024 is 8 percent per year. The remainder of the ten-year forecast projects overall rate increases of 5 percent annually. The current adopted budget had estimated overall rate increases of 5 percent for 2023 and 5 percent for 2024.

Table 1: Proposed Biennial Budget Rate Increases

Rate Driver	Biennial Rate Impact
\$103.9 M higher Revenue Requirement	6%
60 TAF lower water transactions (1.60 MAF reduced to 1.54 MAF)	4%
Catch-up for loss of Water Stewardship Rate Revenues	5%
Increase to <u>partially</u> account for the fact that calendar year rate increases are only in effect for half the fiscal year.	1%
Rate increase over the biennium (8% in 2023 and 8% in 2024)	16%
➡ results in \$84M draw from Water Stewardship Fund and unrestricted reserves in FY2023 and FY2024	
➡ results in low revenue bond coverage of 1.40x for FY2023 and 1.51x for FY2024 (2.0x target)	

The proposed rates are not effective over the entire fiscal year and therefore, do not provide additional revenue until the second half of the first budget fiscal year. As a result, even with the additional 1 percent rate increase, it is still necessary to draw \$84 million from the Water Stewardship Fund and unrestricted reserves in FY 2022/23 and FY 2023/24. Also, revenue bond coverage is expected to drop to 1.40 times in FY 2022/23 and slightly recover to 1.51 times in FY 2023/24, below the 2.0 times target.

The biennial period covers a **transitional period** of strategic planning at Metropolitan. During the Proposed Biennial Budget period, Metropolitan will be completing the 2020 Integrated Resources Plan, continuing with a rate refinement process, undertaking a long-term financial plan, and addressing Metropolitan's role as it approaches 100 years. The Proposed Biennial Budget funds the expenses necessary to transition Metropolitan during these key processes. As the processes are completed, future biennial budgets will reflect the outcomes of the priorities and directions the Board adopts through its various updated strategic planning processes. Currently, the proposed budget strikes a balance between funding Metropolitan's current strategic priorities, addressing drought conditions, maintaining financial robustness, and moderating rate impacts.

The cost of service (COS) analysis in the COS Report supports the proposed rates and charges. The proposed CYs 2023 and 2024 water rates and charges are based on Metropolitan's current methodology for developing rates and charges to produce the necessary revenue required to cover costs. The proposed rates and charges also exclude a separate rate or charge to recover demand management costs, as a result of Metropolitan's Board action on November 23, 2021, directing staff to recover 100 percent of demand management costs from Metropolitan's supply rate elements in the future rate and charge proposals. Accordingly, all demand management costs are now recovered by the Tier 1 and Tier 2 Supply rates.

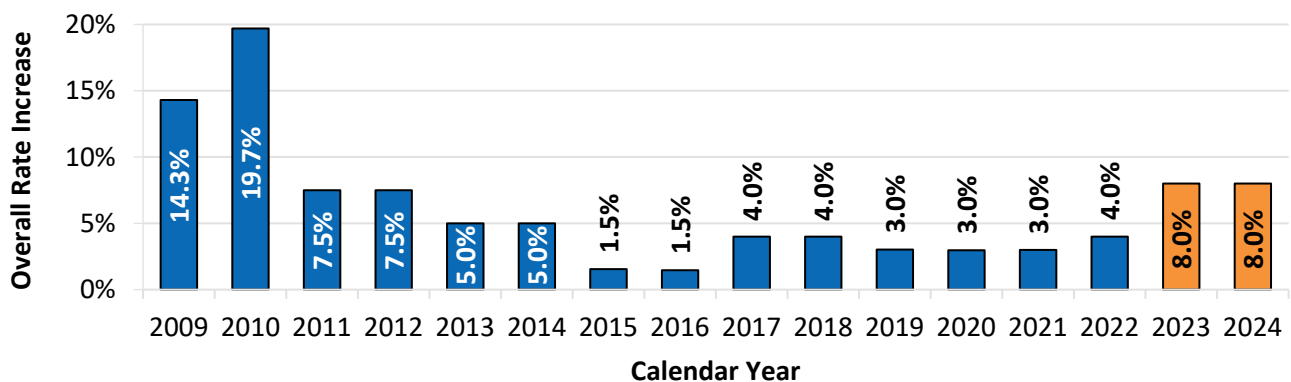
Other highlights from the Proposed Biennial Budget include:

- Cost-cutting measures to reduce Departmental Operations and Maintenance (O&M) expenditures and other actions to reduce the CYs 2023 and 2024 rate impact.
- To support key operational needs, the budget reflects increased regular full-time employee (FTE) positions by 20 in comparison with the FY 2021/22 budget.
- Departmental labor budgets reflect negotiated labor increases and allowable merit adjustments as well as increased benefit costs such as pension and medical.
- Capital Investment Plan (CIP) spending for FYs 2022/23 and 2023/24 is projected to be approximately \$600 million for the biennial period. The capital program is made up of nearly 450 projects that are focused on building drought resiliency, addressing seismic vulnerabilities, meeting all regulatory requirements, and replacing and refurbishing aging infrastructure. The CIP Appendix includes a ten-year outlook as well as program and project details for the biennium.
- Planned contributions of \$99 million for Delta Conveyance Project (DCP) planning activities. These contributions will be funded from rates and the California WaterFix refund of \$34.5 million received in 2019. This contribution follows Board policy that staff works with the state to find solutions to improve

Delta conveyance. The focus over the next two years will be supporting the California Department of Water Resources as it seeks permits for a DCP; participating in the Delta Conveyance Design and Construction Authority and continuing to put forward sound scientific research to help inform and improve Delta management decisions. At a later date, staff will recommend that the Board consider Metropolitan's participation in a new DCP after project planning has progressed further.

- Approximately \$20 million in previously approved costs for the preparation of a programmatic environmental impact report, in support of a potential Regional Recycled Water Program (RRWP). This is the next step before the Board will be fully informed and ready to decide on whether to proceed with further investments in this potential project.
- Continued support for demand management programs, including a proposed increase in funding for the Conservation Program to \$43 million annually.
- Rate and charges increase that enable Metropolitan to meet the fixed charge coverage target of 1.2 times over the biennial period but will not enable Metropolitan to achieve its revenue bond target of 2.0 times during the biennium or the ten-year forecast period.

Figure 1: Historic and Projected Overall Rate Increases



Finally, this letter includes the following attachments:

Attachment 1 is the Proposed Biennial Budget document for FYs 2022/23 and 2023/24. It includes the Summary Section, describing the proposed appropriations, fund summaries, sources of funds, uses of funds, staffing plan and summary of the financing for the CIP; the Departmental Budget information; and a section of the document that describes the General District Requirements, comprised of the State Water Project, Colorado River Aqueduct, Supply Programs, Demand Management, Developments, and Capital Financing.

Attachment 2 is the ten-year forecast (Ten-Year Financial Forecast). The Ten-Year Financial Forecast includes estimated expenditures and associated rates and charges through 2032.

Attachment 3 is the COS Report to support the proposed water rates and charges for CYs 2023 and 2024.

Attachment 4 is the CIP Appendix. The CIP Appendix includes a summary of CIP planned spending by capital program and project details.

Description

BUDGET STRATEGIC PRIORITIES

Transitory Biennial Budget Period

The Proposed Biennial Budget covers a biennial period with significant strategic planning processes at Metropolitan. As Metropolitan nears its 100-year anniversary, the Board is addressing key important questions regarding the role of Metropolitan that is needed for significantly changed environmental and hydrological circumstances through multiple coordinated processes. During the Proposed Biennial Budget period, Metropolitan will be completing the 2020 Integrated Resources Plan, continuing with a rate refinement process, undertaking a long-term financial plan, and identifying the role of Metropolitan's services given changing circumstances. The Proposed Biennial Budget funds the expenses necessary to transition Metropolitan during these key processes. As the processes are completed, future biennial budgets will reflect the outcomes of the priorities and directions the Board adopts through its various updated strategic planning processes. Currently, the proposed budget strikes a balance between funding Metropolitan's current strategic priorities, addressing drought conditions, maintaining financial robustness, and moderating rate impacts.

To better understand our future needs and be able to prioritize our core business functions, we have started a comprehensive organizational review using outside experts to evaluate the efficiency of our overall operations, processes, practices, and systems which will be presented to the Board later this year.

Funding of Strategic Priorities

The budget seeks to align with the General Manager's proposed Business Plan for FYs 2022/23 and 2023/24, which sets out Metropolitan's strategic priorities for the biennium. **These draft priorities will come before the Board in March and are explained in more detail in the Departmental Expenditures section of the Proposed Biennial Budget document.** The proposed five strategic priorities below will shape the General Manager's Business Plan to drive new initiatives toward organizational improvements and overall resilience:

Empower the workforce and promote diversity, equity, and inclusion.

- Establish the Office of Diversity, Equity, and Inclusion
- Establish the Equal Employment Opportunity (EEO) office
- Establish Workforce Development Strategies
- Update recruitment strategies and practices

Sustain Metropolitan's Mission with a Strengthened Business Model.

- Given the identified challenges before us, document a common understanding of the services needed and value provided to the region
- Assess the rate structure based on the identified values and services
- Manage rate pressure on Member Agencies
- Evaluate alternative funding and participation mechanisms for local supply development

Adapt to Changing Climate and Water Resources.

- Establish the Office of Sustainability, Resiliency, and Innovation
- Complete the IRP Implementation Plan and Revise the Water Surplus and Drought Management Plan to meet short- and long-term water resource objectives
- Implement the Climate Action Plan to reduce and mitigate emissions and impacts from energy use and other activities
- Advance source reliability of major water resources

Protect Public Health, Regional Economy, and Metropolitan's Assets.

- Invest in system resilience, with an emphasis on infrastructure reliability and system flexibility (e.g., State Water Project (SWP) dependent areas)
- Protect water quality from source to tap and prepare for emerging water quality issues
- Apply innovation and technology across project lifecycles (design, construction, operations, maintenance, and replacement)
- Identify and address system vulnerabilities

Partner with Stakeholders and the Communities We Serve.

- Strengthen collaboration with member agencies and external stakeholders on public outreach, business, education, conservation, and workforce development
- Build greater awareness and understanding of underserved communities and engage them in addressing challenges of water quality, infrastructure, and affordability
- Engage new civic leaders at the local, state, and federal levels
- Equip staff to serve as ambassadors for Metropolitan and water reliability throughout the region and state, nationally, and industry-wide

KEY BUDGET ASSUMPTIONS

Metropolitan continues to be prepared to meet the challenges of reliably providing water to its service area throughout a variety of hydrologic conditions. Metropolitan has a diverse portfolio of water supplies, which have been augmented by additional programs approved by the Board over the last several years. Additionally, Metropolitan has made substantial investments in storage and supply programs to manage water should CY 2022 continue the ongoing drought.

Water transactions projection: Water transactions include water sales, exchanges, and wheeling, which can be greatly impacted by hydrologic conditions. Predicting hydrologic conditions has become more challenging as a result of a changing climate. To prepare for these uncertainties, Metropolitan has weathered supply challenges by realizing the benefits of supply and storage investments made over the last 20 years. Both FY 2018/19 and FY 2019/20 were wet water years, resulting in record low revenue on related transactions of approximately 1.4 MAF. In FY 2020/21, demand on Metropolitan increased to 1.57 MAF with the beginning of a new drought cycle. FY 2021/22 thus far has seen a succession of historic actions with the first initial SWP Table A allocation of zero percent, a first-ever Colorado River Basin water shortage, and then a welcome sight of rains and snow in December and January.

Metropolitan's Water Resource Management Group projected water transactions to be between 1.5 and 1.6 MAF over the next ten years, 1.59 MAF for FY 2022/23 and 1.54 MAF for FY 2023/24. The recent water transaction trend is shown in **Attachment 1**, Biennial Budget Summary.

State Water Project and Colorado River: For FYs 2022/23 and 2023/24, Metropolitan's SWP supplies are projected to be 0.62 MAF and 0.82 MAF, respectively. This is based on a 25 percent SWP allocation for CY 2022 and 40 percent for CY 2023 and accounts for the utilization of Metropolitan's SWP supply programs. The SWP allocation after 2023 is set at the median forecast of 50 percent. For FYs 2022/23 and 2023/24, Colorado River diversions are projected to be 1.007 MAF and 0.923 MAF, respectively and account for the utilization of Metropolitan's Colorado River supply programs.

Capital Investment Plan: Expenditures for the CIP will be managed to focus on projects that are critical to maintaining water quality, reliability, and safety. The CIP planned to spend for the biennial period totals \$600 million. Previously, Metropolitan budgeted 80 percent of CIP planned to spend because historically capital expenditures regularly lagged planned spending. The proposed budget now assumes CIP expenditures will be 100 percent of planned spending as recent changes in the capital appropriation process streamlined capital appropriations, thereby expediting capital project expenditures. The CIP reflects the focus on addressing aging infrastructure, drought response, and compliance with regulatory requirements. The capital expenditures for the

full RRWP are not included in the biennium but are included in the projections starting in FY 2024/25 as part of the Ten-Year Financial Forecast. Detailed information about the CIP can be found in the CIP Appendix, **Attachment 4**.

Ad valorem tax rate: It is proposed that the Board continue its determination that it is essential to Metropolitan's fiscal integrity to maintain an ad valorem tax rate in excess of the limitation in MWD Act Section 124.5, as the Board has done since the FY 2013/14 tax levy. Doing so will allow the Board to maintain the ad valorem tax rate at the current level of 0.0035 percent of assessed value for both fiscal years. This is projected to generate ad valorem tax revenues of \$163.1 million in FY 2022/23 and \$168.3 million in FY 2023/24. Over the biennial budget period, maintaining the ad valorem tax rate at the current level is essential to the fiscal integrity of the District as it will provide revenues that can be used to pay for growing State Water Contract costs, help to maintain a balance between fixed and variable revenues, and reduce the impact of future water rate increases that would otherwise result from SWP costs that the voters intended to be paid from property taxes.

A public hearing at which interested parties may provide input regarding the Board's determination whether to apply the Section 124.5 limitation is proposed at the same time and place as the Board sets for the public hearing on proposed rates and charges, which is set for March 8, 2022.

PROPOSED ACTIONS TO REDUCE EXPENDITURES AND SHORT-TERM RATE IMPACTS

The initially projected expenditures by major expense category are shown in the table below with the change from the FY 2021/22 budget to the FY 2023/24 projection shown on the right column. All expenditure categories are expected to have significant cost increases over the biennial budget period, except for debt service.

Table 2: Initially Projected Expenditures

in millions of dollars

Fiscal Year Ending	Budget			Increase from 2022 to 2024	
	2022	2023	2024	\$M	%
State Water Contract Power	\$ 212.4	\$ 248.5	\$ 258.6	\$ 46.2	22%
Colorado River Aqueduct Power	57.6	105.9	85.6	28.0	49%
Departmental O&M	579.9	642.8	653.2	73.4	13%
State Water Contract OMP&R & Capital	417.0	440.1	468.2	51.2	12%
Supply Programs	61.2	105.1	110.1	48.9	80%
Delta Conveyance Planning	25.0	34.5	64.5	39.5	158%
Demand Management	52.5	68.8	72.9	20.4	39%
PAYGO	135.0	180.0	180.0	45.0	33%
Debt Service	307.0	285.8	295.3	(11.7)	-4%
Sub-total Expenditures	\$1,847.5	\$2,111.5	\$2,188.4	\$340.9	18%

Staff proposes the following five measures to reduce the increase in the "Sub-total Expenditures" line from 18 percent to 10 percent.

Table 3: Proposed budget actions to reduce rate impacts

in millions of dollars

Fiscal Year Ending	2023	2024
Departmental O&M Cuts	\$ 33.9	\$ 36.6
Bond AVEK High Desert Program*	38.4	46.0
Use CA WaterFix refund for Delta Planning Costs	24.5	10.0
Reduce PAYGO	45.0	45.0
Bond ramped-up Conservation Program*	18.0	18.0
Total Reductions	159.8	155.6

* increases debt service costs

1) Departmental O&M Cuts

To reduce the rate impact over the biennial budget period, staff proposes several O&M budget cuts totaling \$33.9 million for FY 2022/23 and \$36.6 million for FY 2023/24. These cuts include a reduction of 121 requested Full-Time Employment positions (FTE's) representing cuts of \$21.8 million for FY 2022/23 and \$27.5 million for FY 2023/24. Other non-labor cuts of \$12.1 million for FY 2022/23 and \$9.1 million for FY 2023/24 include cuts to district temporary and student interns, outside services related to Information Technology (IT), facility planning, Bay-Delta, water quality, RRWP Planning, and DCP as well as reductions in operating equipment, insurance contingency, solar cup and inspections trips, materials and supplies, and communication expenses. The budget also anticipated the continuation of a hybrid-type work schedule with reductions in travel, training, seminars, copier and vanpool leases as well as employee subsidies and incentives. The Departmental O&M budget of \$608.9 million for FY 2022/23 and \$616.7 million for FY 2023/24, which reflects the impact of these cuts, is described further below.

The FY 2022/23 budget includes \$608.9 million for O&M, including labor and benefits, water treatment chemicals, power, solids handling, professional services, and operating equipment purchases. This is \$29.1 million higher than the FY 2021/22 budget of \$579.9 million, due primarily to impacts of the labor Memoranda of Understanding (MOUs), enhanced security, land management, and maintenance efforts, inflationary pressures on fuels and materials, and increased utilities demand and costs.

The FY 2023/24 budget includes \$616.7 million for O&M, including labor and benefits, water treatment chemicals, power, solids handling, professional services, and operating equipment purchases. This is \$7.7 million higher than the FY 2022/23 budget, due primarily to the labor MOUs offset by a reduction in outside services related to the RRWP Planning project and a decrease in anticipated third-party insurance claims.

To support board initiatives of Diversity, Equity & Inclusion, Equal Employment Opportunity (EEO), Sustainability, Innovation & Resilience (SRI), as well other critical district needs in land management and property maintenance, media and communication, security including cybersecurity, and accounting, treasury and contracting, the regular FTE position count increased by 20 positions from the FY 2021/22 budget. In addition, a total of 12 district temporary positions will be added over the biennium to accommodate enhanced security, business process, business systems support, and ongoing succession planning and education efforts. In summary, the Proposed Biennial Budget includes an authorized FTE position count of 1,974 in FY 2022/23 and 1,976 in FY 2023/24 (see Table 4). In addition, Metropolitan will continue to provide full funding of the annual required contribution to its pension and Other Post-Employment Benefits obligations (OPEB, or retiree medical) accounts. Prior investments to address underfunded liabilities, including OPEB, have resulted in lower benefits costs in the biennial budget period compared to PAYGO funding.

Table 4: Proposed Biennial Budget Regular and Temporary Positions

					2021/22 Budget vs. 2022/23 Proposed	2022/23 Budget vs. 2023/24 Proposed
	2020/21 Budget	2021/22 Budget	2022/23 Proposed	2023/24 Proposed	2022/23 Proposed	2023/24 Proposed
Regular Full Time Positions	1,907	1,907	1,927	1,927	20	-
District Temporary Positions	43	37	47	49	10	2
Total	1,950	1,944	1,974	1,976	30	2

Totals may not foot due to rounding.

Unfunded Staffing Priorities -Impact on Key Operations

COVID-19 has left no corner of the world untouched and has disrupted every aspect of life as we knew it. The Board acted appropriately during the last budget and rate cycle to request staff to budget and set rates at a level lower than full cost recovery. Fortunately, even with all the uncertainty caused by the pandemic, we have not seen significant or dire impacts to utility revenues and the state and federal governments have stepped in with programs to assist.

For the past several budgets, the staffing numbers have remained constant at 1907, while increasing the workload for maintaining a vast system of aging infrastructure and new critical strategic initiatives. After careful review of key operation areas, it is clearly apparent that there is a need for additional staff. The organization is too reliant on overtime and on temporary employees. Over the two-year budget, management has recommended an additional 141 positions or about a 7 percent increase over the current total staffing complement of 1,907. Some of the critical areas that need additional staff support are Colorado River Aqueduct maintenance, water quality regulatory compliance, cybersecurity, and distribution system maintenance. Of the 141 positions requested, the General Manager has approved only 20 FTE and 12 district temporary positions net of various expenditure cuts to lower the 18 percent rate increase to the currently proposed 8 percent annually. This action, however, ignores the critical strategic initiatives including emergency drought response, the RRWP and inflation in labor costs, materials and supplies, fuel, and chemicals (The Los Angeles/Orange County consumer price index recently show 5.5 percent inflation year over year). Most importantly, it also ignores the operational cost of maintaining the aging infrastructure to ensure reliability, efficiency, and delivery of clean water. Upon further review, the General Manager is submitting an additional 80 positions for Board consideration. These 80 positions would increase departmental O&M costs by \$8.0 million in FY 2022/23 and \$12.9 million for FY 2023/24 as shown in Table 5. **If the additional 80 positions were added to the Proposed Biennial Budget, the overall rate increase for 2023 would increase from 8 percent to 9 percent with no overall change to the rate increase for 2024.**

We are also aggressively pursuing every opportunity to secure federal and state funding for several of our projects including conservation programs and new emergency infrastructure to protect all member agencies and ensure their reliability. However, we cannot count on receiving federal and state grants in setting rates. Any grants that are received will offset the cost of the conservation program and reduce the amount of debt issued to fund new infrastructure. The impact of grant funding will largely be seen in subsequent rate-setting cycles.

Table 5: Cost of Adding an Additional 80 Positions (in millions of dollars)

	FY 2022/23	FY 2023/24
Total cost of 80 additional positions	12.7	18.0
Less cost of 22 positions allocated to capital	(4.7)	(5.1)
Total additional O&M cost	8.0	12.9

2) Bond the Board-approved AVEK High Desert Program

In April 2019, the Board authorized the General Manager to enter into the High Desert Water Bank Program agreement with the Antelope Valley-East Kern Water Agency (AVEK) to build and operate groundwater recharge and recovery facilities located near the split of the West and East Branch of the California Aqueduct. Implementation of the Water Bank requires the construction of monitoring and production wells, turnouts from the California Aqueduct, underground and aboveground pipelines, recharge basins, and water storage and booster pump facilities. Metropolitan agreed to pay AVEK for the capital costs of the project up to \$131 million based on a mutually agreed-upon schedule related to construction progress. In exchange, Metropolitan gains participation rights with benefits that span the length of the agreement. Metropolitan has paid \$22.8 million for the AVEK program to date (with the last disbursement made in October 2021). Over the next three fiscal years, Metropolitan anticipates spending \$38.4 million in FY 2022/23, \$46.0 million in FY 2023/24, and \$13.5 million in FY 2024/25. This agreement provides a term through 2037 with a no-cost option to extend the agreement for an additional 20 years. Staff proposes bond financing these capital costs using Metropolitan's revenue bond program over a term not to exceed the maximum term of the agreement or permitted IRS limits of asset useful life.

By bonding the remainder of the AVEK High Desert Program costs, Metropolitan will reduce O&M expenditures for this supply program in the biennium by converting them to a debt service payment made over the term of bonds. This will eliminate the spike in the supply program's cash expenditures and reduce the rate impact over the biennium.

3) Apply California WaterFix refund to Delta Conveyance planning costs

In 2019, Metropolitan received a refund of unspent funds related to the California WaterFix (CWF). These refunds are being held in a special fund. As was anticipated with the 2020 Board approval of the planning costs associated with the DCP planning and pre-construction costs, staff proposes to apply the \$34.5 million CWF refund to offset some of the DCP planning costs in FY 2022/23 and FY 2023/24.

4) Reduce PAYGO

The current budget's Ten-Year Financial Forecast anticipated ramping up PAYGO CIP funding to \$180 million per year in FY 2022/23 and FY 2023/24 to help maintain Metropolitan's revenue bond coverage target of 2.0 times. However, in order to limit the rate increase for CYs 2023 and 2024, PAYGO is proposed to stay flat at \$135 million per year.

5) Bonding ramp-up of Conservation Program

Water conservation plays a significant role in Metropolitan's ability to provide reliable wholesale water service for the 26 member agencies that serve Southern California. Metropolitan encourages conservation and water-use efficiency by providing financial incentives, water conservation education, and outreach programs. With the current impact of the drought on imported water supplies, staff proposes to increase Metropolitan's investment in conservation programs by \$18 million per year up from the budget of \$25 million in FY 2021/22. Staff proposes to bond finance the additional conservation expenditures, totaling \$36 million over the biennium, but is proposing the Board authorize bond financing up to the full \$43 million annual conservation budget to provide financial flexibility in the event of significant fluctuations in revenues or expenditures.

PROPOSED BIENNIAL BUDGET

As a result of taking the actions detailed above, expenditures have been reduced or smoothed. Table 6 shows the Proposed Biennial Budget expenditures and resulting revenue requirements.

Table 6: Proposed Biennial Budget Expenditures and Revenue Requirement

in millions of dollars

Fiscal Year Ending	Budget 2022	Proposed Biennial Budget		Increase from 2022 to 2024	
		2023	2024	\$M	%
State Water Contract Power	\$ 212.4	\$ 248.5	\$ 258.6	\$ 46.2	22%
Colorado River Aqueduct Power	57.6	105.9	85.6	28.0	49%
Departmental O&M	579.9	608.9	616.7	36.8	6%
State Water Contract OMP&R & Capital	417.0	440.1	468.2	51.2	12%
Supply Programs (cash funded portion)	61.2	66.7	64.1	2.9	5%
Delta Conveyance Planning (net of CWF refund)	25.0	10.0	54.5	29.5	118%
Demand Management (cash funded portion)	52.5	50.8	54.9	2.4	5%
PAYGO	135.0	135.0	135.0	-	0%
Debt Service	307.0	288.0	301.0	(6.0)	-2%
Sub-total Expenditures	\$1,847.5	\$1,954.0	\$2,038.6	\$191.1	10%
Increase in Required Reserves	\$ 60.8	\$ 13.3	\$ (1.6)	\$ (62.4)	-103%
Property Taxes Revenues	140.1	163.1	168.3	28.3	20%
Other Revenues	60.5	71.9	57.0	(3.5)	-6%
Revenue Requirement (\$M)	\$1,707.7	\$1,732.3	\$1,811.6	\$103.9	6%

The proposed measures have reduced the increase in the “Sub-total Expenditures” line from 18 percent to 10 percent. The major cost increases that remain are due to higher power costs on the State Water Project and the Colorado River Aqueduct, higher OMP&R and capital costs from the State Water Contract, and the ramp-up of the net Delta planning costs.

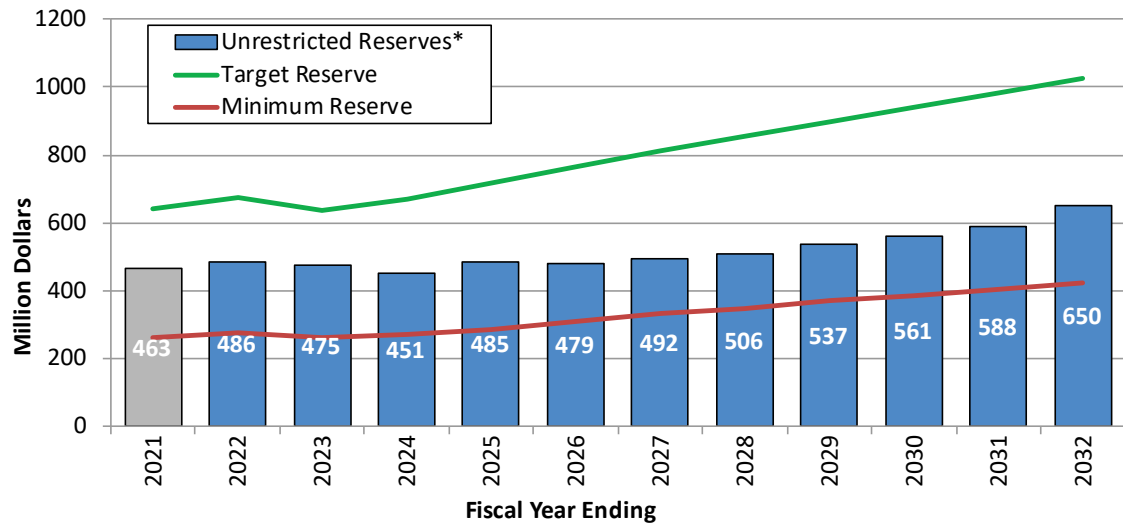
In Table 6 above, the “Increase in Required Reserves” line is also substantially less than in FY 2021/22 as a result of refined estimates and lower cost projections. This reduction in Required Reserves is due in part to the proposed cost reductions described above. Also, property tax revenues are estimated to increase in FYs 2022/23 and 2023/24 as a result of higher than anticipated assessed valuations. The Revenue Requirements line is equal to the sum of the Sub-total Expenditures and Increase in Required Reserves, less Property Taxes Revenues, and Other Revenues. The revenue requirements represent the amount of revenue to be recovered from rates and charges, after the application of property taxes, investment income, and other sources of revenue. The \$103.9 million increase in the revenue requirements is a 6 percent increase from FY 2021/22 and translates into a 6 percent overall rate increase.

As shown in Table 1, the revenue requirement increase is the first factor driving the overall rate increase. The second factor is lower projected water transactions. FY 2021/22 was based on 1.60 MAF, which is projected to decrease to 1.54 MAF by FY 2023/24. This reduction of 60 TAF translates into a 4 percent rate increase. Third, there is the catch-up for the loss of the WSR revenues. Since Metropolitan stopped collecting the WSR on the Exchange Agreement deliveries to San Diego County Water Authority beginning in 2018 and from all sales to member agencies beginning in 2021, demand management expenditures have been funded from the Water Stewardship Fund (WSF). In November 2021, the Board directed staff to recover 100 percent of demand management costs from the supply rate element in future biennial budget and rate proposals. In early 2023, the WSF will be depleted and as part of the CY 2023 rate increase, the supply rates will be increased to recover the demand management expenditures. This catch-up for the loss of the WSR revenues translates into a 5 percent overall rate increase. And lastly, the proposed budget adds an additional 1 percent rate increase to partially account for the fact that the calendar year rate increases are only in effect for the latter half of each fiscal year. In total, this results in the proposed 8 percent rate increase for CY 2023 and an 8 percent rate increase for CY 2024.

Recommended Financial Reporting Change: The Proposed Biennial Budget has been prepared on a cash basis instead of a modified-accrual basis. Financial reports will continue to be prepared on a full-accrual basis of accounting in accordance with promulgated rules of the Governmental Accounting Standards Board and Generally Accepted Accounting Principles. Staff has reviewed the impacts of budgeting and reporting on a modified-accrual basis over the last nine years and has determined that the benefits expected to be achieved did not manifest as thought. Reporting against the cash-based budget provides the most transparent reporting of available unrestricted reserves. Additionally, rather than saving a significant amount of staff time, the modified-accrual basis of accounting increased the amount of time required to maintain modified-accrual data and report against this basis of budgeting. Therefore, staff proposes a change from a modified-accrual basis method of accounting to a cash-basis method. If approved by the Board pursuant to Section 5106 of the Administrative Code, the adopted budget will reflect this change.

TEN-YEAR FINANCIAL FORECAST

The Proposed Biennial Budget sets the foundation for consistent, reasonable rate increases over the ten-year planning period. Overall rate increases from FY 2022/23 through FY 2031/32 are projected to start at 8 percent each year for the next biennium and lower to 5 percent thereafter. The Ten-Year Financial Forecast is presented in **Attachment 2** and includes the implementation of the full RRWP but does not include the costs for a DCP.

Figure 2: Projected Rate Increases, Reserves and Financial Indicators, Ten-Year Forecast

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Overall Rate Inc.	3.0%	4.0%	8.0%	8.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Water Transactions, MAF**	-	1.60	1.59	1.54	1.54	1.51	1.53	1.53	1.54	1.55	1.55	1.57
Rev. Bond Cvg	2.0	1.6	1.40	1.51	1.8	1.6	1.8	1.8	1.8	1.9	1.9	1.8
Fixed Chg Cvg	2.2	1.4	1.37	1.35	1.9	1.7	1.7	1.6	1.6	1.6	1.6	1.5
PAYGO, \$M	-	135	135	135	175	175	175	175	200	200	200	200

* includes Revenue Remainder and Water Rate Stabilization Fund

** includes water sales, exchanges, and wheeling

BOND COVERAGE RATIO

Revenue bond debt service coverage is one primary indicator of credit quality and is calculated by dividing net operating revenues by debt service. Metropolitan's debt management policy is to maintain an annual revenue bond coverage ratio of at least 2.0 times. Over the Ten-Year Financial Forecast, Metropolitan's revenue bond coverage ratio is not expected to be achieved. In addition, Metropolitan also measures the total coverage of all fixed obligations after payment of operating expenditures. Metropolitan's fixed charge coverage ratio target is 1.2 times. The Ten-Year Financial Forecast projects that Metropolitan's fixed charge coverage ratio is at least 1.3 times over the ten-year period, which helps maintain favorable credit ratings and access to the capital markets at a low cost.

COST OF SERVICE ANALYSIS

The proposed water rates and charges to support the estimated revenue requirements were developed using the COS methodology previously approved by the Board and implemented since the Board adopted the current rate structure in October 2001 and implemented it in January 2003. More recently, the Board modified the manner of allocating demand management costs by directing staff in November 2021 to recover all demand management costs through the supply rate elements.

Metropolitan, a wholesaler, provides full-service water service (treated or untreated) to its member agencies. Metropolitan has one class of customers: its member agencies. The level of rate unbundling in Metropolitan's rate structure provides transparency to show that rates and charges recover only those functions involved in the applicable service and that no cross-subsidy of functions exists. Metropolitan's COS process and resulting unbundled rate structure ensures that its wholesale customers pay for only those services they elect to receive.

The American Water Works Association (AWWA) is the professional association that among other functions, identifies water industry standards for financial management and rate-setting practices. AWWA publishes a document on these topics in its Manual of Water Supply Practices series, which is the AWWA's M1, Principles of Water Rates, Fees, and Charges, Seventh Edition.

AWWA manual M1 Seventh Edition delineates a number of guidelines and principles that are intended to be observed in the broad development of COS and rate-setting steps.¹ The COS process reflects the M1 Seventh Edition guidelines and principles, which were carefully considered in the conceptual design of the Metropolitan COS. Major AWWA guidelines and principles considered in the Metropolitan COS approach are:

- Use of a “forward-looking” or prospective rate period;
- Perform functional assignment of costs, which makes it possible to allocate and then distribute costs to services in accordance with each function type. In keeping with AWWA recommendations, the functional assignment and commodity/demand allocation modules of the COS allow identification of functional cost components at a level that allows the unbundling of Metropolitan’s rates;
- Use the cash-needs approach to identify revenue requirements, which is one of two methodologies endorsed by AWWA principles and is frequently used by government-owned utilities; and
- Consideration is given to separate charges where seasonal usage patterns impose significant demands on the utility for such use.

General principles for establishing charges state that:

- Beneficiaries of service should pay for that service.
- The level of service charges should be related to the cost of providing service.
- The price of services may be used to change user behavior and demand for the good or service.

Estimated Revenue Requirements

To support Metropolitan’s Biennial Budget, the revenue requirements for FY 2022/23 are \$1.73 billion and the revenue requirements for FY 2023/24 are \$1.81 billion as shown in Table 6.

Functionalization of Costs

Metropolitan provides full-service water sales (treated and untreated) to its member agencies and the COS analysis is undertaken to appropriately determine overall rates for full-service water sales. Wheeling, exchanges and other contractual arrangements are determined by the specific contractual provisions of those agreements.

In the COS process for Metropolitan’s rates and charges for water service, revenue requirements are categorized based on the operational functions associated with the costs. Metropolitan currently has the following operational functions for purposes of its COS analysis:

- | | |
|---------------------------|------------------------------|
| • Supply | • Demand Management |
| • Storage | • Treatment |
| • Conveyance and Aqueduct | • Hydroelectric |
| • Distribution | • Administrative and General |

These functional assignments reflect the unique functions that Metropolitan undertakes to make its full-service water available to its member agencies and enable the ultimate unbundling of its service consistent with the Strategic Plan Policy Principles.

Allocation of Costs

Once categorized in functional categories, costs are separated into categories according to their causes and behavioral characteristics. This allocation is based on whether costs are associated with meeting average or base demands or meeting peak demands.

¹ The majority of the M1 Seventh Edition is written for utilities providing retail service or combined retail and wholesale service. The distinction in practices for wholesale-only utilities is indirect; care must be taken to be attuned to these distinctions such that the guidelines are not incorrectly applied or misrepresented.

Distribution to Rate Elements

The distribution of costs to the rate design elements depends on the purpose for which the cost was incurred and the manner in which the member agencies use the Metropolitan system. For example, costs incurred to meet average system demands are typically recovered by dollar per acre-foot rates and are distributed based on the volume of water purchased by each agency. Costs associated with meeting peak demand costs are typically recovered through other charges.

Metropolitan's rate elements include the Supply Rate (Tiers 1 and 2), System Access Rate, System Power Rate, and Treatment Surcharge, which together form the overall full-service water rate. Per Board direction, demand management costs have been included to be recovered by the Supply Rate (Tiers 1 and 2). Costs are also distributed to charges, which include the Readiness-to-Serve Charge and Capacity Charge.

Proposed Rates and Charges for CYs 2023 and 2024

Overall rate increases of 8 percent effective each year, on January 1, 2023, and January 1, 2024, is appropriate to cover the costs in the Proposed Biennial Budget for FYs 2022/23 and 2023/24, meet financial policy guidelines with the exception of revenue bond coverage, and maintain steady rates for the future. The proposed increases in rates and charges ensure that Metropolitan continues to make progress toward meeting all coverage targets. The specific elements of the proposed rate increase effective January 1, 2023, and January 1, 2024, are shown in Table 7, "Current and Proposed Rates and Charges." The rates and charges for FY 2022/23 are based on the estimated revenue requirements of \$1.73 billion shown in Table 6. The existing rates, which were effective January 1, 2022, and the proposed rates under an 8 percent increase, effective January 1, 2023, would generate combined revenue of \$1.68 billion for FY 2022/23 based on total transactions of 1.59 MAF, of which 48 percent is treated full-service water, 541 TAF is untreated full-service water, and the remaining 279 TAF is the projected untreated water delivered to SDCWA pursuant to the Exchange Agreement.

The rates and charges for FY 2023/24 are based on the estimated revenue requirements of \$1.81 billion shown in Table 7. Projected revenues from rates and charges in FY 2023/24 are \$1.79 billion on total transactions of 1.54 MAF, of which 51 percent is treated full-service water, 482 TAF is untreated full-service water, and the remaining 278 TAF is the projected untreated water delivered to SDCWA pursuant to the Exchange Agreement.

Table 7: Current and Proposed Rates and Charges

Rates & Charges Effective January 1st	Current 2022	Proposed 2023	% Change	Proposed 2024	% Change
Tier 1 Supply Rate (\$/AF)	\$243	\$328	35%	\$348	6%
Tier 2 Supply Rate (\$/AF)	\$285	\$532	87%	\$538	1%
System Access Rate (\$/AF)	\$389	\$373	(4%)	\$416	12%
System Power Rate (\$/AF)	\$167	\$187	12%	\$188	1%
Full Service Untreated Volumetric Cost (\$/AF)					
Tier 1	\$799	\$888	11%	\$952	7%
Tier 2	\$841	\$1,092	30%	\$1,142	5%
Treatment Surcharge (\$/AF)	\$344	\$364	6%	\$370	2%
Full Service Treated Volumetric Cost (\$/AF)					
Tier 1	\$1,143	\$1,252	10%	\$1,322	6%
Tier 2	\$1,185	\$1,456	23%	\$1,512	4%
Readiness-to-Serve Charge (\$M)	\$140	\$145	4%	\$183	26%
Capacity Charge (\$/cfs)	\$12,200	\$10,700	(12%)	\$11,700	9%
Overall Rate Increase			8%		8%

NEXT STEPS

The following sets forth the proposed schedule for the Proposed Biennial Budget and revenue requirements for fiscal years 2022/23 and 2023/24, and proposed water rates and charges for calendar years 2023 and 2024.

February 7, 2022	F&I Committee, Workshop #1
February 22, 2022	F&I Committee, Workshop #2
By February 25, 2022	Notice to Legislature; notice to member agencies regarding public hearing and proposed adoption of fixed charges
March 7, 2022	F&I Committee, Workshop #3
March 8, 2022	The public hearing on proposed water rates and charges and applicability of the tax rate limit pursuant to Section 124.5 of the MWD Act
March 22, 2022	F&I Committee, Workshop #4, if needed
April 11, 2022	F&I Committee, Proposed Biennial Budget and Calendar Year rates and charges; Workshop #5, if needed
April 12, 2020	Board <u>action</u> regarding Biennial Budget, Calendar Year rates and charges, and applicability of Section 124.5 tax rate limit

Policy

Metropolitan Water District Act Section 61: Ordinances, Resolutions and Orders

Metropolitan Water District Act Section 124.5: Ad Valorem Tax Limitation

Metropolitan Water District Act Section 130: General Powers to Provide Water Services

Metropolitan Water District Act Section 133: Fixing of Water Rates

Metropolitan Water District Act Section 134: Adequacy of Water Rates; Uniformity of Rates

Metropolitan Water District Act Section 134.5: Water Standby or Availability of Service Charge

Metropolitan Water District Administrative Code Section 4304: Apportionment of Revenues and Setting of Water Rates

Metropolitan Water District Administrative Code Section 5107: Biennial Budget Process

Metropolitan Water District Administrative Code Section 5200(b): Funds Established

By Minute Item 51828, dated December 10, 2019, the Board directed staff (1) to incorporate the 2019/20 fiscal-year-end balance of the Water Stewardship Fund to fund all demand management costs in the proposed FYs 2020/21 and 2021/22 Biennial Budget; and (2) to not incorporate the Water Stewardship Rate, or any other rate or charge to recover demand management costs, with the proposed rate and charges for CYs 2021 and 2022.

By Minute Item 52603, dated November 23, 2021, the Board directed staff to incorporate the 100 percent Supply Alternative as the demand management cost recovery method used in the proposals for rates and charges.

Fiscal Impact

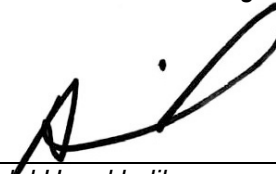
The Proposed Biennial Budget provides funding for Metropolitan's strategic initiatives while working to achieve and maintain Metropolitan's financial policy guidelines, with proposed overall rate increases of 8 percent in each year of the Proposed Biennial Budget.



Katano Kasaine
Chief Financial Officer/
Assistant General Manager

2/4/2022

Date



Adel Hagekhalil
General Manager

2/4/2022

Date

Attachment 1 – Proposed Biennial Budget FY 2022/23 and FY 2023/24

Attachment 2 – Ten-Year Financial Forecast

Attachment 3 – Fiscal Years 2022/23 and 2023/24 COS Report for Proposed Water Rates and Charges

Attachment 4 – CIP Appendix

Ref cfo12683139



Proposed Biennial Budget

Fiscal Years
2022/23 – 2023/24

THE METROPOLITAN WATER DISTRICT
of SOUTHERN CALIFORNIA

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DISTRICT OVERVIEW

District Profile

The Metropolitan Water District of Southern California (Metropolitan) is a metropolitan water district created in 1928 under authority of the Metropolitan Water District Act (California Statutes 1927, Chapter 429, as reenacted in 1969 as Chapter 209, as amended (the Act)). Metropolitan has 26 member public agencies and its primary purpose is to provide its members with a reliable wholesale water supply service for domestic and municipal uses. To do so, Metropolitan imports water from the Colorado River and Northern California. Metropolitan also helps its member agencies develop increased water conservation, recycling, storage and other local resource programs.

Metropolitan is authorized to develop, store, and distribute water for domestic and municipal purposes and other beneficial uses if excess water is available, and may provide, generate, and deliver electric power within or outside the state for the purpose of developing, storing, and distributing water. All powers, privileges and duties vested in or imposed upon Metropolitan are exercised and performed by and through its Board of Directors. Metropolitan is governed by a 38-member Board of Directors representing the 26 member agencies. Metropolitan directors are selected by their respective member agencies and some of those directors also serve on the governing body of their member agency. Board and committee meetings are open to the public and are broadcast on the Internet through Metropolitan's website, www.mwdh2o.com. Although the Board and its committees have met virtually since the start of the COVID-19 pandemic, Metropolitan has made participation, observation, viewing, and listening options available to the public meetings. A schedule of Board and committee meetings, as well as current and archived Board materials, is available at the same website.

Metropolitan was established to obtain an allotment of Colorado River water and to construct and operate the 242-mile Colorado River Aqueduct (CRA), which runs from an intake at Lake Havasu on the California-Arizona border, to an endpoint at Metropolitan's Lake Mathews reservoir in Riverside County. Metropolitan owns and operates an extensive portfolio of capital facilities including the CRA, 16 hydroelectric facilities, nine reservoirs, 830 miles of large-scale pipes, and five water treatment plants.

In 1960, Metropolitan, followed by other public agencies, signed a long-term contract with the state Department of Water Resources (DWR) to participate in the State Water Project (SWP). The SWP is the largest state-built, user-financed water supply and transportation project in the country. Its facilities were constructed with several general types of financing, the repayment of which is made by the 29 agencies and districts that participate in the SWP through long-term contracts (the State Water Contractors). The State Water Contractors also pay for the operations, maintenance, power, and replacement (OMP&R) costs of the SWP, as the State Water Contracts are the basis for all SWP construction and ongoing operations and DWR manages and operates the SWP. As the largest of the now 29 contractors, Metropolitan is entitled to slightly less than half of all SWP supplies. Water supplies from the SWP are conveyed to Metropolitan via the SWP's 444-mile California Aqueduct, which was made possible pursuant to Metropolitan's State Water Contract. The SWP serves urban and agricultural agencies from the San Francisco Bay area to Southern California.

To secure additional supplies, Metropolitan also has groundwater banking partnerships and water transfer arrangements within and outside of its service area. Metropolitan also provides financial incentives to its member agencies for local investments in water management projects and programs. An increasing percentage of Southern California's water supply comes from these local resources, including conservation, water recycling and recovered groundwater.

To pay for its costs, the Act authorizes Metropolitan to: levy property taxes within its service area; establish water rates; collect charges for water standby and service availability; incur general obligation bonded

indebtedness and issue revenue bonds, notes and short-term revenue certificates; execute contracts; and exercise the power of eminent domain for the purpose of acquiring property. In addition, Metropolitan's Board is authorized to establish terms and conditions under which additional areas may be annexed to Metropolitan's service area.

Mission

The mission of Metropolitan is to provide its 5,200-square-mile service area with adequate and reliable supplies of high-quality water to meet present and future needs in an environmentally and economically responsible way.

Core Values

Metropolitan's core values include the following:

- Integrity
- Stewardship
- Diversity
- Open Communication
- Leadership
- Teamwork

Metropolitan Service Area

Metropolitan's service area comprises approximately 5,200 square miles and includes portions of the six counties of Los Angeles, Orange, Riverside, San Bernardino, San Diego and Ventura. When Metropolitan began delivering water in 1941, its service area consisted of approximately 625 square miles. Its service area has increased by 4,500 square miles since that time. The expansion was primarily the result of annexation of the service areas of additional member agencies. Historically, Metropolitan has provided between 40 and 60 percent of the water used annually within its service area.

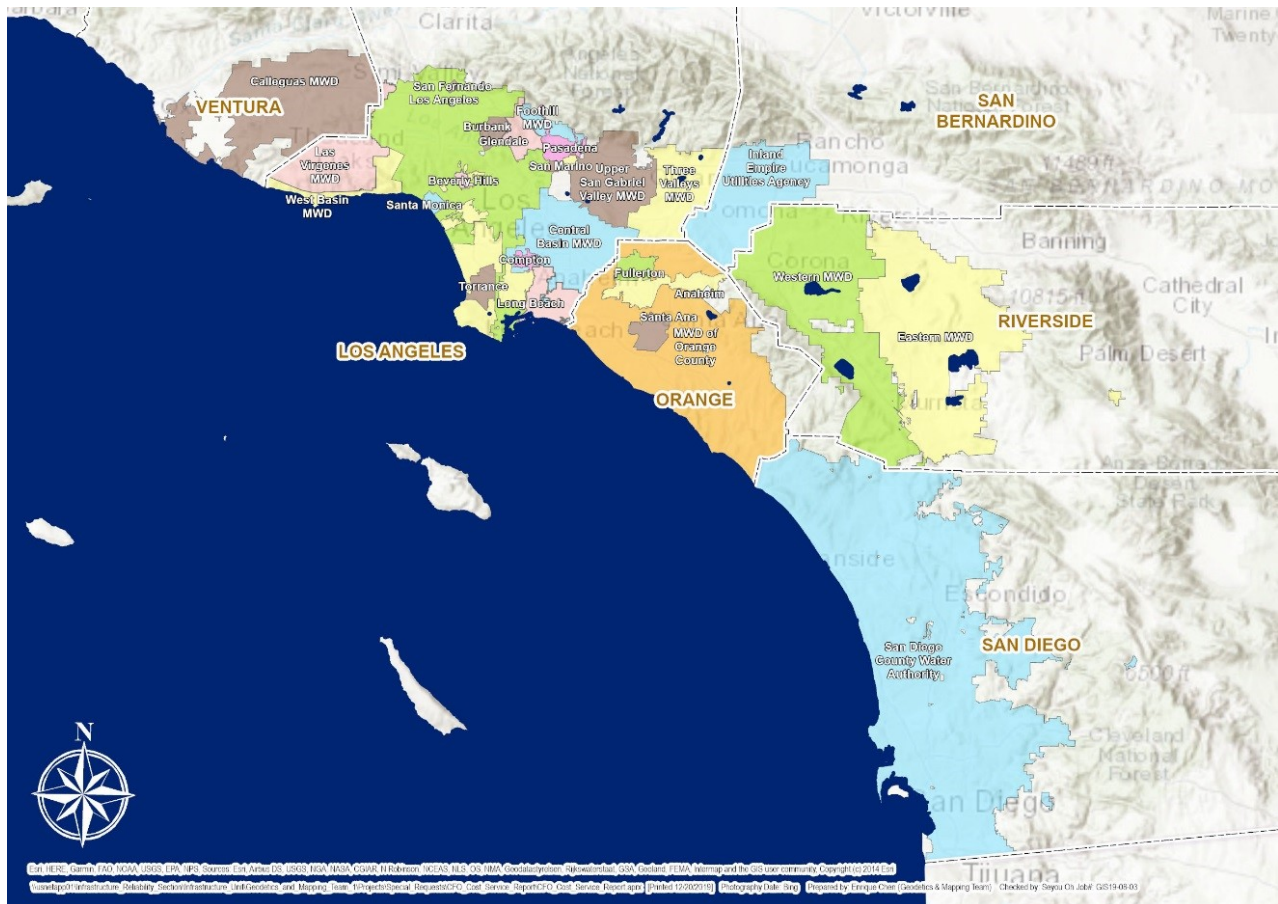
The area served by Metropolitan represents the most densely populated and heavily industrialized portions of Southern California. Metropolitan estimates that approximately 19 million people lived in Metropolitan's service area in 2020, based on official estimates from the California Department of Finance and on population distribution estimates from the Southern California Association of Governments (SCAG) and the San Diego Association of Governments (SANDAG). Recent population projections prepared by SCAG in 2020 and by SANDAG in 2019, which will be used as base data for Metropolitan's 2020 Integrated Water Resources Plan, show expected population growth of approximately 17 percent in Metropolitan's service area between 2010 and 2035, which is slightly lower than the approximately 18 percent population growth rate projected by SCAG in 2012 and SANDAG in 2013 (which projections were used as base data for Metropolitan's prior 2015 Integrated Water Resources Plan update).

The economy of Metropolitan's service area is exceptionally diverse. In 2019, the economy of the Six County Area was larger than all but twelve nations of the world. The Six County Area economy ranked between South Korea (\$1.642 trillion) and Spain (\$1.394 trillion), with an estimated gross domestic product ("GDP") of \$1.596 trillion. The Six County Area's gross domestic product in 2019 was larger than all U.S. states except California, Texas and New York.

The climate in Metropolitan's service area ranges from moderate temperatures throughout the year in the coastal areas to hot and dry summers in the inland areas. Annual rainfall in an average year has historically been approximately 13 to 15 inches along the coastal area, up to 20 inches in foothill areas and less than 10 inches inland.

Service Area Map

The map below shows the area served by Metropolitan. It includes parts of six of the ten counties that comprise Southern California (Six County Area) consisting of Los Angeles, Orange, Riverside, San Bernardino, San Diego, and Ventura counties. Although these counties comprise Metropolitan's service area, Metropolitan's territory does not encompass all of the area within each of the six counties.



Summary of Recent Trends and Outlook for the Six County Area Economy

There are a number of events in recent months that support the outlook for faster growth in the national and Six County Area economy. Congress approved a \$1.9 trillion COVID-related spending plan and these funds have begun to be distributed to residents, businesses and local governments. Three coronavirus vaccines have been approved and as of mid-April 2021 an average of over 3 million doses are being given to residents daily according to the Center for Disease Control and Prevention (CDC).

On the basis of these events, forecasts of national economic growth are being revised upwards. The U.C.L.A. Anderson School economic forecast released in March 2021 has GDP growing by 6.3% in 2021 and 4.6% in 2022. The same forecast sees increased job growth and reduced unemployment rates in California for 2021, 2022 and 2023. Job growth in the state is forecast to outpace national growth rates while the state's unemployment rate,

while declining, is forecast to remain above the national rate. The forecast has 4.1% and 3.1% for job growth in California in 2021 and 2022 compared to 3.6% and 2.9% for the nation.

Job growth in the Six County Area after February 2020 was restrained by reopening restrictions that were stricter than throughout the nation and by large job losses in tourism and motion picture production sectors that have a high concentration in the Six County Area. These major causes of slow job growth are related to the coronavirus pandemic and are temporary and will be eliminated over time once the pandemic is under control.

Through March 2021, the Six County Area had recovered 37.3% of the jobs lost between February and April of 2020. This is below the 43.2% recovery for the state the 62.4% job recovery in the nation. The Six County Area economy made substantial recovery gains in February and March 2021 as coronavirus cases, deaths and hospitalizations improved in the region, the number of vaccinations accelerated and activity restrictions were lifted. The Six County Area added 144,100 jobs between January and March 2021. The April and May 2021 data should also show large job gains as many businesses, tourist attractions, such as Disneyland, and sports venues have recently reopened to limited capacity or have announced reopening dates in April and May.

The Six County Area slightly outpaced the nation in nonfarm wage and salary job growth from the beginning of 2013 through the end of 2019. By December 2019 job levels were 934,600 or 10.7% above the pre-recession peak level in July 2007. Job growth for the entire Six County Area in 2019 was 127,600 jobs or a gain of 1.3% compared to a 1.4% increase in jobs for the state and nation for the comparable period. In 2019, unemployment rates ranged from a low of 2.9% in Orange County to a high of 4.4% in Los Angeles County. Unemployment rates declined from 2018 levels in all Six County Area counties.

Over the longer term, international trade has been a leading growth sector in the Six County Area. Container volume rose 79% between 2000 and 2019 despite a 3.3% decline in 2019 as a result of tariff increases. Trade gains support job growth in warehousing, wholesale trade and trucking particularly in the Riverside-San Bernardino county area. In 2019, the Six County Area accounted for \$10.3 billion in new venture capital funding (a record high level) behind the New York metro and ahead of New England. Air passenger travel at the major airports in the Six County Area reached record levels in 2019 up 2.0% over 2018 to 135.5 million trips led by gains at Burbank, Ontario and San Diego airports.

Population growth averaged 115,400 between 2010 and 2020 according to the California Department of Finance (DOF) estimates, and growth slowed in the past five years and declined by 12,500 in 2020. The Six County Area had 22.2 million residents in 2020, approximately 56% of the State's population. Income, taxable sales and assessed valuation in the Six County Area have increased since 2013 along with record levels in foreign trade and film permits. At the end of 2019, gains in income, taxable sales and assessed valuation outpaced the growth in consumer price indices in the Six County Area all of which helped local government revenue growth.

Long-term job growth is driven by the Six County Area's economic base—those sectors that sell most of their goods and services in national and world markets outside of the Six County Area. Recent projections by CCSCE, SCAG and SANDAG report that the Six County Area will see job growth that slightly exceeds the national average during the next 10 to 30 years, led by gains in Professional and Business Services, Wholesale Trade, Information and the tourism component of Leisure and Hospitality.

For more demographic and economic information for Metropolitan's service area or the Six County Area, please refer to the Service Area Economy section, which includes information on:

- Job growth trends
- Construction activity
- Housing trends
- Assessed valuation

- International Trade
- Income & Wages
- Population
- Economic structure and long term prospects

Strategic Plan Summary

The General Manager submits to the Board of Directors a business plan containing the General Manager's key priorities for the coming year for review and approval.

Five strategic priorities support Metropolitan's mission for fiscal years 2022/23 and 2023/24:

Strategic Priority #1: Empower the Workforce and Promote Diversity, Equity and Inclusion

Strategic Priority #2: Sustain Metropolitan's Mission with a Strengthened Business Model

Strategic Priority #3: Adapt to Changing Climate and Water Resources

Strategic Priority #4: Protect Public Health, Regional Economy, and Metropolitan's Assets

Strategic Priority #5: Partner with Stakeholders and the Communities We Serve

For more detail on the GM's strategic priorities, please refer to the General Manager's Transmittal Letter.

The General Counsel, General Auditor and Ethics Officer also submit to the Board of Directors a business plan containing their department's key priorities for the coming year for review and approval.

The groups within the General Manager department submit their business plans to the General Manager annually for review and approval. These business plans include a group mission statement and Objectives and Actions to support the relevant General Manager's strategic priorities.

Performance Indicators

Metropolitan has developed a series of key performance indicators (KPIs) that are used to measure and evaluate mission-critical processes as well as support internal decision making. These KPIs include financial, water quality, human resource, legislative, operational, outreach, etc. measures that are closely aligned with Metropolitan's business plans, key priorities and objectives.

Please see the Operating Expenditures section for Metropolitan's performance measures including fiscal year results and targets.

Organization Structure

Member Agencies

The following table lists the 26 member agencies of Metropolitan which include 11 municipal water districts, 14 cities and one county water authority.

Municipal Water Districts	Cities	County Water Authority
Calleguas	Anaheim	San Diego
Central Basin	Beverly Hills	
Eastern	Burbank	
Foothill	Compton	
Inland Empire Utilities Agency	Fullerton	
Upper San Gabriel Valley	Glendale	
Western of Riverside County	Long Beach	
Las Virgenes	Los Angeles	
Orange County	Pasadena	
Three Valleys	San Fernando	
West Basin	San Marino	
	Santa Ana	
	Santa Monica	
	Torrance	

Board of Directors

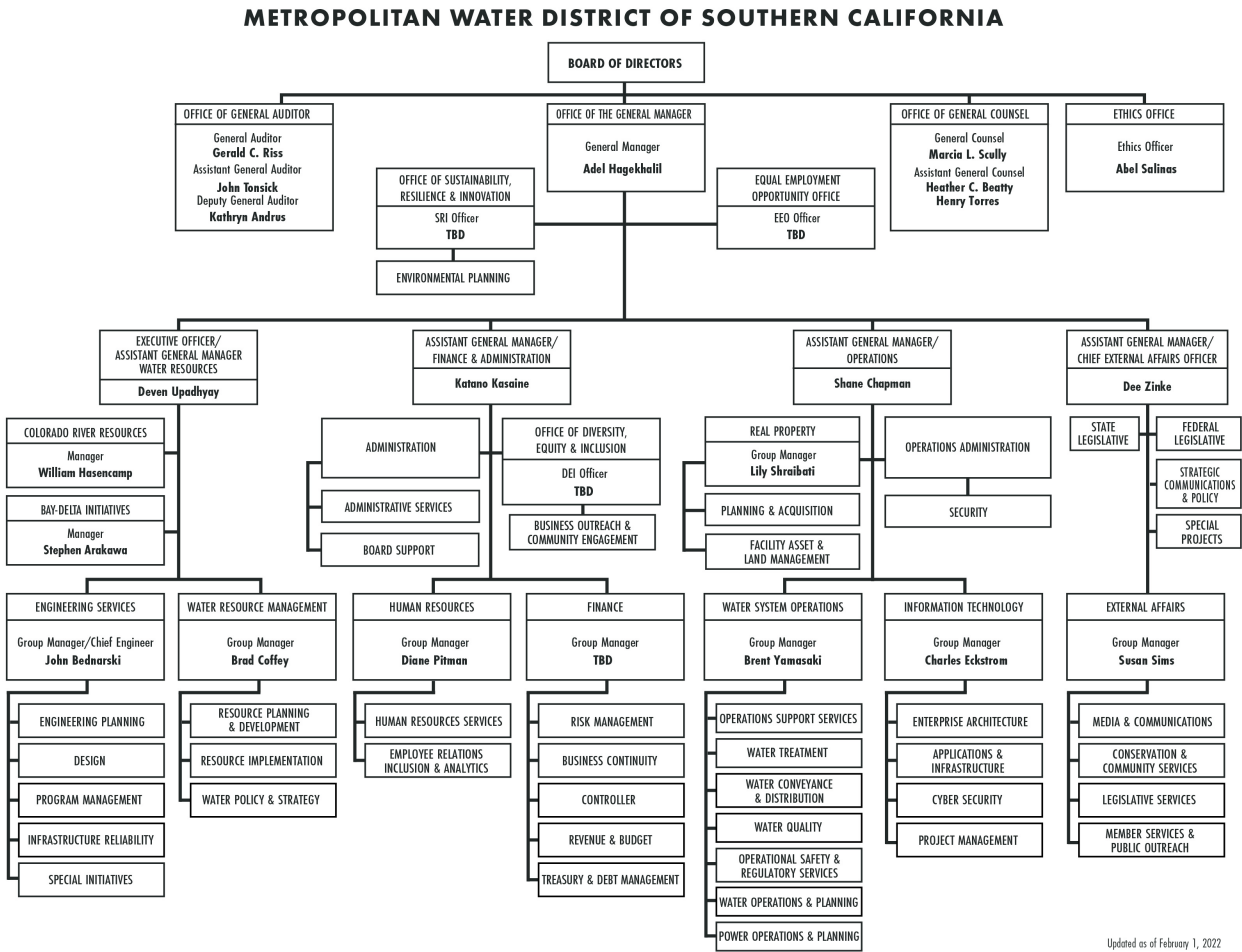
Metropolitan is governed by the customers that use its system and service, its member public agencies, through a 38-member Board of Directors. Each member public agency is entitled to have at least one representative on the Board, plus an additional representative for each full five percent of the total assessed valuation of property in Metropolitan's service area that is within the member public agency. Accordingly, the Board may, from time to time, have more than 38 directors. There are also limits on reductions in the number of directors. Changes in relative assessed valuation do not terminate any director's term and as a result of California Assembly Bill 1220 (Garcia) enacted in 2019, "A member public agency shall not have fewer than the number of representatives the member public agency had as of January 1, 2019."

The Board includes business, professional and civic leaders. Directors serve on the Board without compensation from Metropolitan. Voting is based on assessed valuation, with each member agency being entitled to cast one vote for each \$10 million or major fractional part of \$10 million of assessed valuation of property within the member agency, as shown by the assessment records of the county in which the member agency is located. The Board administers its policies through the Metropolitan Water District Administrative Code (the Administrative Code), which the Board adopted in 1977. The Board periodically amends the Administrative Code to reflect new policies or changes in existing policies that occur from time to time.

Metropolitan's day-to-day management is under the direction of its General Manager, who serves at the pleasure of the Board, as do Metropolitan's General Counsel, General Auditor, and Ethics Officer.

Organization Chart

A larger version is provided on the inside back cover of the Biennial Budget document.



Metropolitan Senior Management

Adel Hagekhalil	General Manager
Marcia Scully	General Counsel
Gerald Riss	General Auditor
Abel Salinas	Ethics Officer
Katano Kasaine	Assistant General Manager, Finance and Administration
Deven Upadhyay	Executive Officer/Assistant General Manager, Water Resources
Shane Chapman	Assistant General Manager, Operations
Dee Zinke	Assistant General Manager/Chief External Affairs Officer

Workforce

Metropolitan's budget is for 1,927 regular full-time employees. Most Metropolitan employees are represented by the American Federation of State, County and Municipal Employees (AFSCME), Local 1902; the Management and Professional Employees Association (MAPA), Local 1001; the Supervisors Association; and the Association of Confidential Employees (ACE). The four bargaining units represent approximately 99 percent of Metropolitan's employees. The remaining one percent is unrepresented.

Offices

Metropolitan's headquarters are located at 700 N. Alameda St., Los Angeles, California 90012. Metropolitan has legislative offices in Sacramento and Washington D.C.



Financial Organization

Fund Structure and Descriptions (from Metropolitan's Administrative Code)

To provide for accountability of public moneys in accordance with applicable federal and state law and regulations and Board policies, the following active or prospectively active funds have been established in the Treasury of the District:

- **General Fund** (Fund No. 1001, established 1929).
 - Moneys not specifically allocated or appropriated may be placed in this fund and used for general purposes of the District.
 - Expenditures for reimbursable work and water conservation capital and indirect costs under the contract with Imperial Irrigation District are paid from this fund.
- **Replacement and Refurbishment Fund** (Fund No. 5001, established 1988).
 - Used to finance certain capital program expenditures from current revenues in accordance with Section 5109, subject to the conditions contained in Section 5202(b).
- **State Contract Fund** (Fund No. 5701, established 1960).
 - Used for the payment of capital charges under the State Water Contract, including the capital charges for off-aqueduct power facilities, subject to the conditions contained in Section 5201(d).
- **Special Tax Fund** (Fund No. 5702, established 1951).
 - Annexation fees (cash payments and special tax collections) are deposited in this fund and transferred to the State Contract Fund to pay a portion of State Water Contract capital charges.
- **Water Revenue Fund** (Fund No. 1002, established 1975).
 - Receipts from water sales are deposited in this fund and are transferred to various other funds in accordance with revenue bond covenants and Board resolutions to pay in order of priority:
 1. Operation and maintenance expenditures;
 2. The interest on and bond obligation of Water Revenue Bonds and Parity Obligations issued pursuant to Master Resolution 8329 (the Master Resolution or Senior Debt Resolution) adopted by the Board on July 9, 1991 and any Supplemental Resolutions thereto, and any other obligations on a parity with the Water Revenue Bonds;
 3. All other payments required for compliance with the Master Resolution, and any Supplemental Resolutions;
 4. The interest on and bond obligation of Subordinate Water Revenue Bonds and Parity Obligations issued pursuant to Master Subordinate Resolution 9199 (the Master Subordinate Resolution) adopted by the Board on March 8, 2016 and any supplemental Resolutions thereto, and any other obligations on a parity with the Subordinate Water Revenue Bonds;
 5. All other payments required for compliance with the Master Resolution, and any Supplemental Resolutions;

6. Principal of and interest on Commercial Paper Notes and other amounts due a provider of a liquidity facility;
 7. Deposits into the Water Standby Charge Fund in accordance with resolutions imposing such charges; and
 8. Any other obligations which are charges, liens, or encumbrances upon or payable from net operating revenues.
- Moneys remaining at the end of each month, after the foregoing transfers, are transferred to the Revenue Remainder Fund.
- **Operation and Maintenance Fund** (Fund No. 1003, established 1975).
 - Used to pay all operation and maintenance expenditures, including State Water Contract operation, maintenance, power and replacement charges, subject to the conditions contained in Section 5201(f).
 - **Revenue Remainder Fund** (Fund No. 1004, established 1975).
 - Used to maintain working capital and may be used for any lawful purpose by the District, subject to the conditions contained in Section 5202.
 - **Water Rate Stabilization Fund** (Fund No. 5501, established 1987).
 - Used to reduce future water revenue requirements or, as directed by the Board, for other lawful purposes, in accordance with Section 5202.
 - **Water Treatment Surcharge Stabilization Fund** (Fund No. 5502, established 1988).
 - Used to mitigate required increases in the surcharge for water treatment or, as directed by the Board, for other lawful purposes, in accordance with Section 5202.
 - **Revolving Construction Fund** (Fund No. 5003, established 1988).
 - Capital expenditures made from this fund are to be reimbursed from proceeds of security sales to the extent such expenditures are authorized uses of debt proceeds under the Act, subject to the conditions and restrictions contained in Section 5201(g).
 - **Iron Mountain Landfill Postclosure Maintenance/Corrective Action Trust Fund** (Fund No. 6005, established 1990).
 - Used as a trust fund to maintain moneys sufficient to cover the costs of postclosure maintenance and/or corrective action of the District's solid waste landfill facility at Iron Mountain, in accordance with regulations of the California Integrated Waste Management Board, and subject to the conditions contained in Section 5201(m).
 - **Water Standby Charge Fund** (Fund No. 1005, established 1992).
 - Used to separately hold revenues attributable to water standby charges; amounts deposited in this fund are used exclusively for the purpose for which the water standby charge was authorized.
 - **Water Transfer Fund** (Fund No. 1007, established 1995).

- Used for moneys set aside for the purchase of water through transfers or similar arrangements, and for the costs of filling the Eastside Reservoir Project.
- **Self-Insured Retention Fund** (Fund No. 1008, established 1999).
 - Used to separately hold amounts set aside for emergency repairs and claims against the District as provided in Section 5201(o).
- **Lake Matthews Multi Species Reserve Trust Fund** (Fund 6101, established 1997.)
 - Used as set forth in agreement between Metropolitan and the Riverside County Habitat Conservation Agency for the Multi Species Reserve.
- **Other Funds to be established for bond issues, notes or other obligations of the District**
 - There shall be established in the Treasury of the District such funds and accounts as are required pursuant to bond covenants, tax and non-arbitrage certificates, bond counsel letters of instruction and related documents, to provide for accountability of District funds and compliance with applicable federal and state law and regulations. Such funds and accounts shall be established for each issue of bonds, notes or other obligations of the District as required in the respective bond or note resolution and closing documents.
- **Water Stewardship Fund** (Fund No. 1009 established 2005).
 - Used to collect revenue from the Water Stewardship Rate and to pay costs associated with water recycling, seawater desalination, conservation, brackish water desalination, or other demand management programs. These funds can also be used to fund administrative costs associated with these programs. Funds may be used as directed by the Board, for other lawful purposes, in accordance with Section 5201(p) and Section 5202(d).

Financial Reporting

Metropolitan prepares its financial reports in conformity with generally accepted accounting principles (GAAP). The Office of the Chief Financial Officer prepares, at the conclusion of each fiscal year, the Annual Comprehensive Financial Report in compliance with principles and standards for financial reporting set forth by the Governmental Accounting Standards Board (GASB).

Budgetary and Accounting Basis

The budget is prepared and monitored on a cash basis. Cash basis accounting recognizes revenues when received and expenses when paid. Under accrual accounting, revenues are recorded when earned and expenses are recorded at the time liabilities are incurred, regardless of the timing of related cash flows. However, while Metropolitan's budget is on a cash basis it operates as a utility enterprise and prepares its basic financial statements using accrual accounting.

Financial Planning

In conjunction with the development of the Biennial Budget, Metropolitan prepares a ten-year forecast (Ten-Year Financial Forecast). The Ten-Year Financial Forecast supports long range resource, capital investment and operational planning. It includes a forecast of future costs and the revenues necessary to support operations and investments in infrastructure and resources that are derived from the most recent Integrated Resources Plan and other planning processes.

To support Metropolitan's Biennial Budget, Ten-Year Financial Forecast, and financial planning, revenue requirements are evaluated to determine the level of rate adjustments required for the upcoming budget year. To the extent possible, increases in rates are adjusted to avoid large fluctuations.

Budget Process

The budget process provides an opportunity to align shorter-term Objectives and Actions in the department and group level business plans to Metropolitan's longer-term Mission, Values, and Strategic Priorities and the needs of our member agencies. Each even numbered year, under the direction of the General Manager, a Biennial Budget is prepared for Metropolitan operations covering the following two fiscal years. The Board does have the opportunity to amend the budget as it sees fit to changing fiscal and climatic conditions.

The budget is presented to the Board for consideration and adoption in April in order to align it with the adoption of water rates also approved in April. This permits the incorporation of approved O&M budget expenditures into the Revenue Requirements process, which facilitates the setting of water rates. The Board and member agencies conduct extensive reviews of and provide significant input to the budget over three months from January to April. This year's budget review process included board workshops on February 7, February 22, and March 7, a public hearing on March 8, and several other presentations and caucuses with member agencies, with final approval occurring at the April 12 Board meeting.

The O&M budget is presented in an organizational format and is described in terms of its scope of work, personnel requirements, and allocation by expense category. The budget serves to identify the resource requirements for the actions and tasks each group will engage in to support the General Manager's Business Plan. The overall emphasis, consistent with Metropolitan's mission, has been on providing high quality and reliable water supplies at a fair and competitive price and in an environmental and economically responsible way.

Balanced Budget

Metropolitan considers the budget to be balanced when the sources of funds equals the uses of funds. That is, budgeted operating revenues, and on occasion the use of water rate stabilization funds, are equal to or greater than budgeted operating expenditures including debt service, and ending fund balances meet minimum policy levels. Rates and charges are set to ensure that revenues are sufficient to recover the total cash needs in a given fiscal year.

Budget Calendar

Due Date	Activity
June - November	Identification of major maintenance and capital projects and CIP Evaluation Team review of new and continuing projects.
August – November	Budget instructions issued to all groups. Personnel complements are developed including full-time, part-time, temporary, and overtime estimates. Group managers bring proposed budget presentations to senior management.
November	CIP Evaluation Team completes review of project proposals for the CIP. O&M budgets, CIP estimates, and operating equipment budgets are developed. Senior management reviews and makes final recommendations on group budgets.
December	Group budgets are revised as necessary. Proposed budget is finalized and materials and presentations are developed for presentation to the Board of Directors.
January – April	Proposed budget is presented to the Board of Directors and member agency managers. Proposed group and department budgets are presented to the relevant Board committees. Proposed annual budget workshops are conducted with the full Board and budget estimates are revised as necessary.
April	Finance and Insurance Committee recommends action on the Biennial Budget. Board of Directors takes action on adoption of the Biennial Budget.

Starting in the summer prior to budget adoption, each group identifies any needed major maintenance and new capital projects as well as develop the associated cost estimates. In August, the budget guidelines and a calendar of budget process deadlines are issued to group, assistant group, and section managers by Budget and Financial Planning staff outlining major budget priorities consistent with the General Manager's Business Plan, staffing and operational objectives.

The development phase begins with overall program formulation and identification of individual projects, staffing, and equipment needs. Personnel budgets, including requests for temporary and part-time help, are then prepared and professional services requirements are identified. All requests for personnel, equipment purchases, and projects must be submitted with formal justifications, which address a standard set of questions developed by Budget and Financial Planning staff. Each organization is required to identify the extent to which its proposed budget supports the General Manager's strategic priorities as outlined in the Business Plan. This information is later used to update the Business Plan in the late spring in an iterative process.

The procedures for preparation of each element of the budget are outlined below.

Labor and Professional Services Budget

The labor budget consists of regular full-time payroll, overtime, premium pay, and part-time and temporary employees. The professional services budget consists of planned payments to outside consultants for specialized skills. Personnel components reflect the staffing of on-going work with regular employees rather than temporary employees or consultants. In addition, each group provides detailed information on consultant, overtime, and temporary employee usage. Senior management examines this information for the level and types of resources being committed toward the stated business plan and strategic priorities. Through this process, senior management makes appropriate recommendations for the allocation of labor resources.

Adjustments to the proposed budget are made following the review by senior management and the General Manager.

Equipment Budgets

Operating equipment is any equipment, machine, vehicle, tool, or other item that is portable, costs more than \$5,000, and has an anticipated useful life of at least five years. Expensed equipment is similar to operating equipment except that it costs less than \$5,000. All operating equipment is tracked while the tracking of expensed equipment is required for only certain classes of equipment (e.g., workstation/laptop computers, communications equipment, etc.).

The justification for equipment requests includes a description of the item, where it will be used, what it will be used for, and whether or not the item is new or a replacement. If the item is a replacement, the frequency of downtime and cost of repair of the old item versus purchasing a new one must be provided. If the item is required equipment for expanded functions or additional personnel, this must also be explained. A cost/benefit analysis is performed for equipment costing more than \$40,000.

Depending on the nature of the equipment, the requests may be evaluated by several groups. For example, each group manager and the fleet equipment coordinator review vehicle requests.

Finance Department Responsibilities

Treasury and Debt Management

- Recommend procedures for revenue collection, payment of approved demands, reporting and other actions associated with the prudent management of Metropolitan's financial resources.
- Provide for the issuance of debt to fund the capital investment plan.

Controller and Accounting Operations

- Prepare monthly expenditure and revenue reports.
- Prepare periodic reports on the status of expenditures, revenues, investments and actions taken to ensure the financial stability of Metropolitan.
- Prepare and present information on financial trends to facilitate evaluation of Metropolitan's financial position and identify conditions requiring management attention.

Budget and Financial Planning

- Support the development of the Strategic Plan that includes projections of short range and long range financial needs, and recommend methods for meeting those needs.
- Support the development of annual water rates and charges, Metropolitan's biennial operating and capital investment plan and ten year forecast.
- Prepare Metropolitan's proposed biennial operating budget and budget documents.
- Prepare budget performance reports on a monthly, quarterly, semi-annual and annual basis.
- Develop procedures and controls to monitor and assure compliance with the budget.
- Assist departments throughout the year with their budgets and financial issues.
- Prepare financial projections, schedules of rates and charges, tax rate proposals and other financial materials.

Other Department Responsibilities

Engineering

- Prepare Metropolitan's capital investment plan and CIP budget document.

General Manager Responsibilities

- Review and present to the Board of Directors long range plans, budgets and revisions, schedules of rates and charges, payments of financial demands and other financial transactions, as necessary.
- Prepare annual business plan containing General Manager's key priorities for the coming year.
- Implement emergency financial procedures within approved limits, when necessary.

Budgetary Controls

Budget requests are evaluated at several management levels. Managers and staff review budget requests during each phase of the budget process. Each request for a new project, additional personnel, or piece of operating equipment is scrutinized by each group and further reviewed by Budget and Financial Planning staff during the budget process.

All budget submittals are reviewed collectively by the group and section managers. Only those items that are deemed appropriate to support the initiatives of the General Manager's Business Plan are included in the budget recommendation.

Once the budget is completed, the expenditures for each group are monitored on a monthly basis to ensure that the groups do not exceed the authorized operating budget for the fiscal year or biennial period, unless approved by the General Manager.

Budget Adjustments

The budget may be amended in the mid-cycle biennial review or when overall expenditures are anticipated to significantly exceed estimates. A report outlining the reasons for increasing the budget appropriation is prepared and submitted to the Board of Directors for consideration. The Board of Directors must approve any increases in the overall budget appropriations.

Capital Investment Plan (CIP)

The Capital Investment Plan (CIP) communicates the capital priorities of Metropolitan for the next two fiscal years. Within the Ten Year Financial Forecast, the CIP projects have been carefully reviewed, scored and ranked to support system reliability, water quality, and safety while meeting all regulatory requirements.

Structure

The highest level of the CIP structure is Program. Programs are comprised of one or more Project Groups.

There are 13 capital programs which include:

- Colorado River Aqueduct Reliability
- Cost Efficiency & Productivity
- Dams & Reservoirs Improvements
- Distribution System Reliability
- District Housing & Property Improvements
- Minor Capital Projects
- Prestressed Concrete Cylinder Pipe Rehabilitation
- Regional Recycled Water
- Right-of-Way & Infrastructure Protection
- System Flexibility/Supply Reliability
- System Reliability
- Treatment Plant Reliability
- Water Quality

Definitions of the 13 capital programs can be found in the Capital Investment Plan Section of this budget book.

Preparation

The Capital Investment Plan (CIP) is prepared as part of Metropolitan's biennial budget process. This plan provides information on all capital programs and projects that have been proposed, evaluated and included in the budget forecast to begin or continue during and after the two budget years. Scope, accomplishments, objectives, and financial projections are provided for each capital program. Every project with work planned for the two budget years and beyond is listed under the individual program summaries.

When the need for a project is recognized, a CIP proposal is prepared which provides information regarding scope, justification, alternatives, schedule, impacts of rescheduling work for a later time, impact on operation and maintenance costs, and estimate of total project cost. All projects are reviewed and prioritized on a biennial basis by the CIP Evaluation Committee working closely with project sponsors and management.

Capital projects include new facilities, betterments, and replacements that cost at least \$50,000 and have an anticipated useful life of at least five years. In the case of information technology computer software capital projects, the cost must exceed \$250,000 and the resulting asset must have an anticipated useful life of at least three years.

The projects that comprise the proposed CIP have been identified from many Metropolitan studies of projected water needs as well as ongoing monitoring and inspections, condition assessments, and focused vulnerability studies. Staff continues to study operational demands on aging facilities and has made recommendations for capital projects that will maintain infrastructure reliability and ensure compliance with all applicable water quality regulations, and building, fire, and safety codes. Staff has also studied business and operations processes and proposed projects that will improve efficiency and provide future cost savings. Additionally, several projects have been identified and prioritized to provide flexibility in system operations to address uncertain supply conditions from the Colorado River and the State Water Project.

Capital projects can be further differentiated into two general categories: major capital and minor capital projects. Major capital projects cost at least \$400,000 and are described in the CIP under their respective Programs. Projects described in the CIP are funded and authorized to proceed under the General Manager's authority unless Board approval is otherwise required in accordance with Metropolitan's Administrative Code. Minor capital projects cost between \$50,000 and \$400,000 and are not individually described in the CIP. Minor capital projects are identified throughout each fiscal year and are funded and implemented under the General Manager's authority.

Additional information on project budgeting can be found in the Capital Investment Plan Section of this budget book.

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BIENNIAL BUDGET SUMMARY

APPROPRIATIONS

The FY 2022/23 appropriation of \$2,200.4 million is comprised of \$1,531.0 million or 69.6% percent for operations expense, \$288.0 million or 13.1% percent for debt service expense, and \$381.4 million or 17.3% percent for the Capital Investment Plan expenses (CIP). The FY 2023/24 appropriation of \$2,292.5 million is comprised of \$1,602.5 million or 69.9% percent for operations expense, \$301.0 million or 13.1% percent for debt service expense, and \$389.0 million or 17.0% percent for the CIP expenses. The table below provides a comparison of FY 2022/23 and FY 2023/24 and illustrates the total appropriations for the operating, debt service and CIP expenses.

FY 2022/23 and FY 2023/24 Operating and Capital Appropriations, \$ millions

Proposed Budget	FY 2022/23	FY 2023/24	Total Biennium
Operating Budget	\$1,531.0	\$1,602.5	\$3,133.5
Debt Service	288.0	301.0	589.0
Capital Investments*	381.4	389.0	770.4
Grand Total	\$2,200.4	\$2,292.5	\$4,492.9

*Capital Investments includes Capital Investment Plan, debt financed Supply Programs and Conservation

The Biennial Budget for FY 2022/23 and FY 2023/24 provides funding for Metropolitan's strategic priorities while meeting most financial policy guidelines, with overall rate increases of 8.0 percent in CY 2023 and 8.0 percent in CY 2024 of the Biennial Budget. The overall rate increases of 8.0 percent and 8.0 percent are higher than previously forecasted due to higher projected costs, catch-up for the loss of the Water Stewardship Rate (WSR) and lower projected water transactions for the biennial budget period.

The budget is prepared and monitored on a cash basis. Cash basis accounting recognizes revenues when received and expenses when paid. Under accrual accounting, revenues are recorded when earned and expenses are recorded at the time liabilities are incurred, regardless of the timing of related cash flows. However, while Metropolitan's budget is on a cash basis it operates as a utility enterprise and prepares its basic financial statements using accrual accounting.

FUND SUMMARY

The following tables show fund balance, and projected revenues and expenditures for Metropolitan for each fiscal year of the Biennial Budget.

FY 2022/23 Fund Summary, \$ millions

Fiscal Year Ending June 30th, 2023

(\$ in Millions)	All Funds	Operating Funds	Debt Service and Construction Funds	Reserve Funds (1)	Other Funds (2)
Beginning of Year Balance	1,274.7	530.7	198.3	486.2	59.5
USES OF FUNDS					
Expenses					
State Water Contract	698.7	698.7	—	—	—
Supply Programs (cash funded portion)	66.7	66.7	—	—	—
Colorado River Power	105.9	105.9	—	—	—
Debt Service	288.0	2.8	285.2	—	—
Demand Management (cash funded portion)	50.8	50.8	—	—	—
Departmental O&M	562.1	562.1	—	—	—
Treatment Chemicals, Sludge & Power	32.5	32.5	—	—	—
Other O&M	14.4	14.4	—	—	—
Sub-total Expenses	1,819.0	1,533.7	285.2	—	—
Capital Investments (4)	381.4	30.0	351.4	—	—
Fund Deposits					
R&R and General Fund	135.0	30.0	105.0	—	—
Revenue Bond Construction	56.7	—	56.7	—	—
Treatment Surcharge Stabilization Fund	—	—	—	—	—
Interest for Construction & Trust Funds	0.1	—	0.1	—	—
Increase in Required Reserves	13.3	18.9	8.3	(13.9)	—
Increase in Rate Stabilization Fund	2.4	—	—	2.4	—
Sub-total Fund Deposits	207.5	48.9	170.1	(11.5)	—
TOTAL USES OF FUNDS	2,407.8	1,612.6	806.7	(11.5)	—
SOURCES OF FUNDS					
Revenues					
Taxes	163.1	161.1	2.0	—	—
Interest Income	6.4	2.7	1.1	2.4	0.2
Power Sales	16.7	16.7	—	—	—
Fixed Charges (RTS & Capacity Charge)	181.3	181.3	—	—	—
Water Revenue (3)	1,500.1	1,500.1	—	—	—
Miscellaneous Revenue	48.9	48.9	—	—	—
Bond Proceeds	303.1	—	303.1	—	—
Sub-total Revenues	2,219.5	1,910.9	306.1	2.4	0.2
Fund Withdrawals					
R&R and General Fund	135.0	30.0	105.0	—	—
Water Stewardship Fund	49.3	—	—	—	49.3
Treatment Surcharge Stabilization Fund	4.0	—	—	—	4.0
Sub-total Fund Withdrawals	188.3	30.0	105.0	—	53.3
TOTAL SOURCES OF FUNDS	2,407.8	1,940.9	411.1	2.4	53.5
Inter-Fund Transfers	—	(328.2)	395.6	(13.9)	(53.5)
End of Year Balance	1,293.8	549.6	263.3	474.7	6.2

Totals may not foot due to rounding.

(1) includes Water Rate Stabilization Fund and Revenue Remainder Fund.

(2) includes Water Stewardship, Water Treatment Stabilization and Trust Funds.

(3) includes water sales and exchange

(4) includes Capital Investment Plan, debt financed Supply Programs and Conservation

FY 2023/24 Fund Summary, \$ millions

Fiscal Year Ending June 30th, 2024

(\$ in Millions)	All Funds	Operating Funds	Debt Service and Construction Funds	Reserve Funds (1)	Other Funds (2)
Beginning of Year Balance	1,293.8	549.6	263.3	474.7	6.2
USES OF FUNDS					
Expenses					
State Water Contract	781.2	781.2	—	—	—
Supply Programs (cash funded portion)	64.1	64.1	—	—	—
Colorado River Power	85.6	85.6	—	—	—
Debt Service	301.0	2.7	298.3	—	—
Demand Management (cash funded portion)	54.9	54.9	—	—	—
Departmental O&M	568.0	568.0	—	—	—
Treatment Chemicals, Sludge & Power	34.9	34.9	—	—	—
Other O&M	13.8	13.8	—	—	—
Sub-total Expenses	1,903.6	1,605.2	298.3	—	—
Capital Investments (4)	389.0	30.0	359.0	—	—
Fund Deposits					
R&R and General Fund	135.0	30.0	105.0	—	—
Treatment Surcharge Stabilization Fund	5.9	—	—	—	5.9
Interest for Construction & Trust Funds	0.1	—	0.1	—	—
Increase in Required Reserves	—	—	—	—	—
Sub-total Fund Deposits	141.0	30.0	105.1	—	5.9
TOTAL USES OF FUNDS	2,433.6	1,665.2	762.4	—	5.9
SOURCES OF FUNDS					
Revenues					
Taxes	168.3	166.3	2.0	—	—
Interest Income	9.2	4.1	1.6	3.5	0.1
Power Sales	14.2	14.2	—	—	—
Fixed Charges (RTS & Capacity Charge)	200.1	200.1	—	—	—
Water Revenue (3)	1,586.1	1,586.1	—	—	—
Miscellaneous Revenue	33.6	33.6	—	—	—
Bond Proceeds	159.2	—	159.2	—	—
Sub-total Revenues	2,170.8	2,004.5	162.8	3.5	0.1
Fund Withdrawals					
R&R and General Fund	135.0	30.0	105.0	—	—
Bond Funds for Construction	94.8	—	94.8	—	—
Water Stewardship Fund	—	—	—	—	—
Decrease in Required Reserves	1.6	9.0	0.3	(7.7)	—
Decrease in Rate Stabilization Fund	31.3	—	—	31.3	—
Sub-total Fund Withdrawals	262.7	39.0	200.1	23.6	—
TOTAL SOURCES OF FUNDS	2,433.6	2,043.5	362.9	27.1	0.1
Inter-Fund Transfers	—	(378.3)	399.5	(27.1)	5.9
End of Year Balance	1,172.1	540.6	168.3	451.0	12.1

Totals may not foot due to rounding.

(1) includes Water Rate Stabilization Fund and Revenue Remainder Fund.

(2) includes Water Stewardship, Water Treatment Stabilization and Trust Funds.

(3) includes water sales and exchange

(4) includes Capital Investment Plan, debt financed Supply Programs and Conservation

SOURCES OF FUNDS

Total Sources of FY 2022/23 and FY 2023/24 Funds, \$ millions

	2021/22 Budget	2022/23 Proposed	2023/24 Proposed	2021/22 Budget Compared to 2022/23 Proposed	2022/23 Proposed Compared to 2023/24 Proposed
SOURCES OF FUNDS					
Revenues					
Taxes	140.1	163.1	168.3	23.0	5.2
Interest Income	19.3	6.4	9.2	(12.9)	2.9
Power Sales	21.9	16.7	14.2	(5.2)	(2.4)
Fixed Charges (RTS & Capacity Charge)	175.5	181.3	200.1	5.8	18.8
Water Revenues (1)	1,475.9	1,500.1	1,586.1	24.2	86.0
Miscellaneous Revenue	20.5	48.9	33.6	28.5	(15.3)
Bond Proceeds and Reimbursements	89.4	303.1	159.2	213.7	(143.9)
Sub-total Revenues	1,942.5	2,219.5	2,170.8	277.1	(48.7)
Fund Withdrawals					
R&R and General Fund	135.0	135.0	135.0	—	—
Bond Funds for Construction	0.6	—	94.8	(0.6)	94.8
Water Stewardship Fund	75.5	49.3	—	(26.2)	(49.3)
Treatment Surcharge Stabilization Fund	—	4.0	—	4.0	(4.0)
Decrease in Required Reserves	—	—	1.6	—	1.6
Decrease in Water Rate Stabilization Fund	—	—	31.3	—	31.3
Sub-total Fund Withdrawals	211.1	188.3	262.7	(22.8)	74.5
TOTAL SOURCES OF FUNDS	2,153.6	2,407.8	2,433.6	254.2	25.7

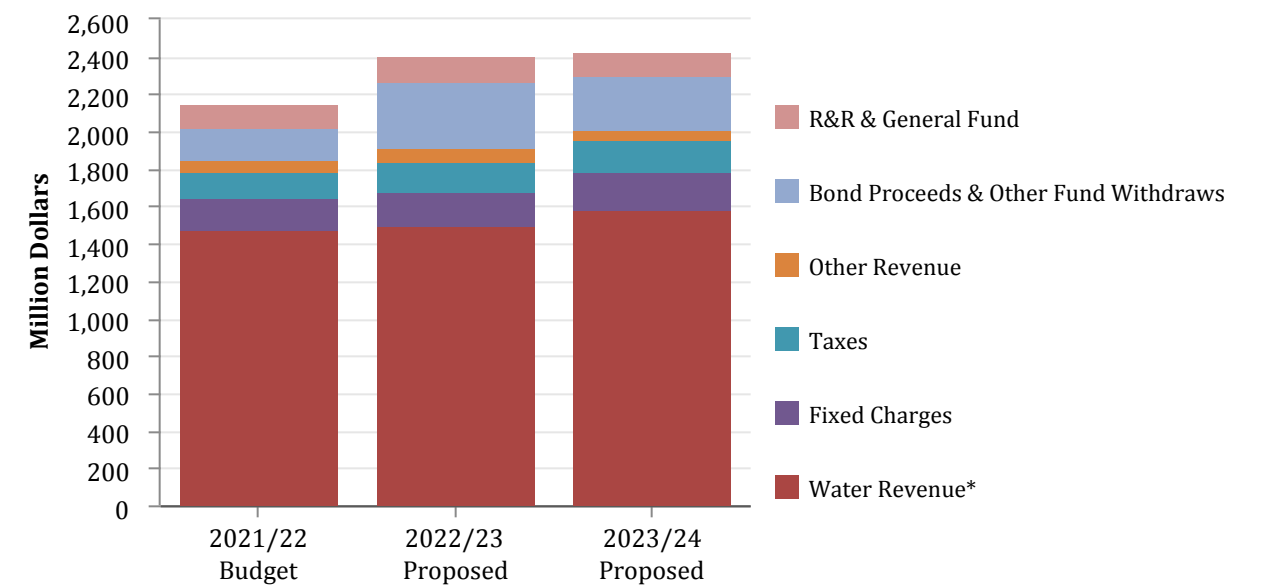
Totals may not foot due to rounding.

(1) includes water sales and exchange

OPERATING REVENUE

Estimated revenues from water rates, fixed charges (Readiness-To-Serve Charge and Capacity Charge), taxes and annexation fees, and other miscellaneous income (interest income, power recovery, etc.) are projected to be \$1.92 billion for FY 2022/23 and \$2.01 billion for FY 2023/24. For FY 2022/23, this is \$63.3 million more than the FY 2021/22 budget, and for FY 2023/24, this is \$95.0 million more than FY 2022/23. The increase in revenues for FY 2022/23 is due to higher water rates and charges in calendar year 2023. For FY 2023/24, the revenue is higher due to higher water rates and charges in calendar year 2023 and calendar year 2024. In addition, the forecast assumes the ad valorem tax rate is maintained at 0.0035 percent of assessed valuations. A description of each revenue source is included in the Glossary of Terms.

Sources of Funds FY 2022/23 and FY 2023/24, \$ millions

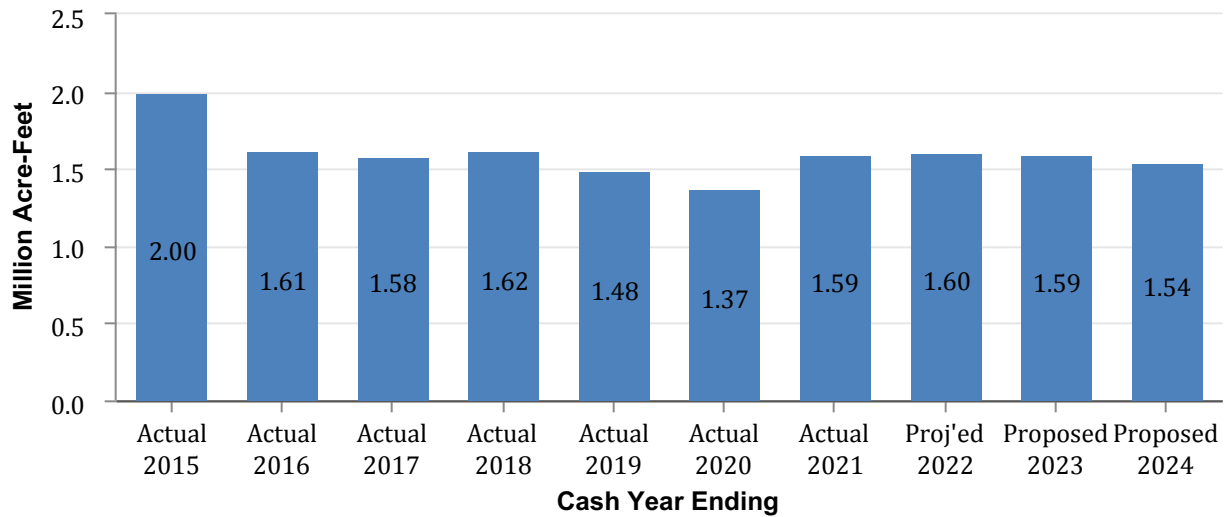


* includes water sales and exchanges

Water Revenues

Revenues from water transactions are budgeted at \$1,500.1 million in FY 2022/23 and \$1,586.1 million in FY 2023/24. Water rates and charges are to increase by 8.0 percent overall, effective January 1, 2023 and 8.0 percent overall, effective January 1, 2024. Water transactions are estimated to be 1.59 million acre-feet (MAF) in Cash Year 2022/23 and 1.54 MAF in Cash Year 2023/24. By the end of the biennium, water transactions are estimated to decrease by 60 thousand acre-feet (TAF) from the FY 2021/22 budget of 1.6 MAF. Water transactions are forecasted to be lower than the FY 2021/22 budget as expectations are that demands will trend lower due to consumer response to the previous droughts, continued conservation initiatives, and local supply development.

Water Transactions Trend, MAF



The Cash Year 2022/23 water transactions include 1.31 MAF of full-service sales, of which 770 TAF (or 48 percent) are treated water sales, 541 TAF of untreated water sales, and 279 TAF of exchange water to the San Diego County Water Authority (SDCWA) pursuant to the 2003 Amended and Restated Exchange Agreement (exchange water). The Cash Year 2023/24 water transactions include 1.26 MAF of full-service sales, of which 780 TAF (or 51 percent) are treated water sales, 482 TAF of untreated water sales, and 278 TAF of exchange water. No wheeling transactions are projected in the biennium period. The figure above shows the trend of water transactions.

Property Taxes and Annexation Fees

Revenues from property taxes, which will be used to pay voter-approved debt service on general obligation bonds and a portion of the SWC expenditures, are estimated to be \$163.1 million in FY 2022/23 and \$168.3 million in FY 2023/24.

The ad valorem tax rate is assumed to remain at the current level of 0.0035 percent of assessed value in both fiscal years; assessed valuations are projected to increase by 4.0 percent each fiscal year.

Fixed Charges

Fixed charges include the Capacity Charge and Readiness-to-Serve Charge. In FY 2022/23, these charges are estimated to generate \$38.8 million and \$142.5 million, respectively. In FY 2023/24, these charges are estimated to generate \$36.1 million and 164.0 million, respectively. In total this represents a \$5.8 million increase from the FY 2021/22 to FY 2022/23 budget, and a \$18.8 million increase from the FY 2022/23 to the FY 2023/24 budget. Fixed charges are increasing in FY 2023/24 due to increases in capital financing costs including Delta Conveyance planning costs.

All Other Revenue

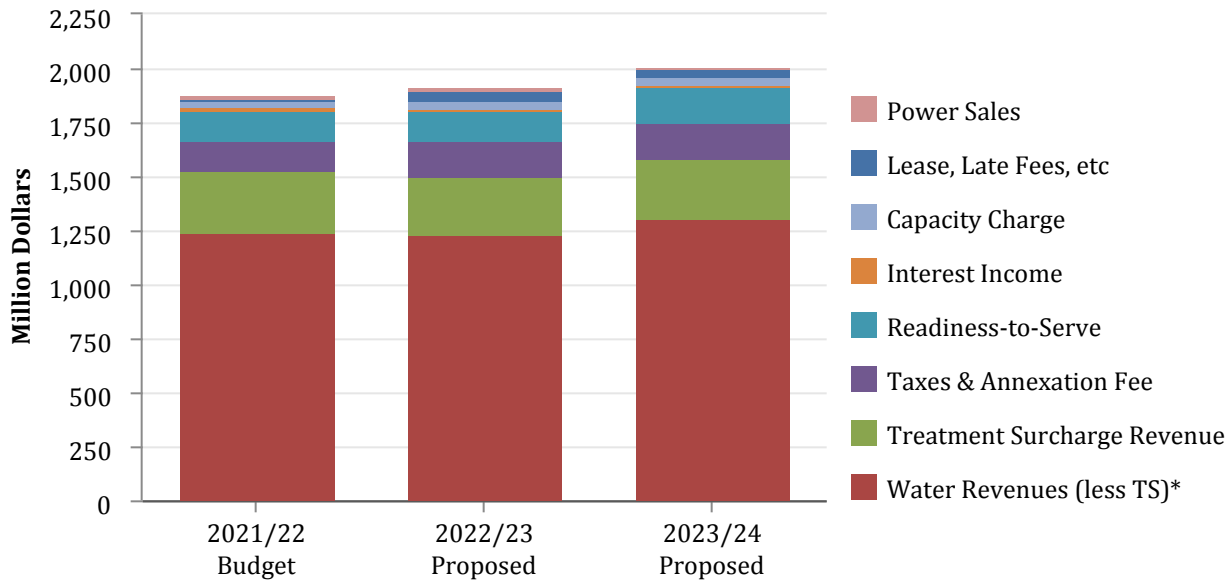
Revenues from hydroelectric and CRA power sales are estimated to be \$16.7 million for FY 2022/23 and \$14.2 million for FY 2023/24. FY 2022/23 is lower than the FY 2021/22 budgeted amount of \$19.1 million due to increased deliveries through the CRA.

Miscellaneous revenues, which include items such as interest income, lease revenues, and water transactions with non-member agencies, are estimated to total \$55.3 million for FY 2022/23 and \$42.9 million for FY

2023/24 , higher than the FY 2021/22 budgeted amounts of \$29.6 million, mainly due to increased water transactions with non-member agencies and the addition of agency contributions to the Regional Recycled Water Program (RRWP).

A summary of operating revenues is shown in the graph below.

Operating Revenues, \$ millions



* includes water sales and exchanges

CAPITAL FUNDING

The FY 2022/23 and FY 2023/24 Capital Investment Plan (CIP) will be funded with bond proceeds and current operating revenues (PAYGO). It is anticipated that Metropolitan will issue new revenue bonds of \$330 million over the biennium to fund a portion of the CIP. The remaining CIP expenditures will be funded with revenue funded capital of \$135 million in FY 2022/23 and \$135 million in FY 2023/24.

In FY 2022/23 and FY 2023/24 the Supply Programs include capital expenditures related to the development of the AVEK High Desert Water Bank program. These expenditures will be recorded as participation rights and are proposed to be funded by debt. Remaining project costs total \$97.9 million and would be covered by a single debt issuance during the biennium.

In FY 2022/23 and FY 2023/24 the Conservation Program is proposed to be funded at \$25 million in each budget year; however, the program is budgeted at \$43 million in each budget year. It is proposed that expenditures in excess of \$25 million will be funded by debt. A single debt issuance of \$36 million is proposed during the biennium to cover additional conservation expenditures.

Please refer to the section on debt financing for additional details on debt funding of capital projects.

Capital Funding Source Descriptions

New Bond Issues

Metropolitan has the ability to issue long-term bonds to fund its capital programs. The proceeds of the bond sales can be used to pay for capital expenses over several years. The repayment of the bonds is generally over 30 years and is paid from water revenues.

Revenue Funded Capital

Annual capital expenses that are not paid from debt funding, grants, or loans must be paid from revenues, either from current year revenues or from the R&R fund, if funds exist.

USES OF FUNDS

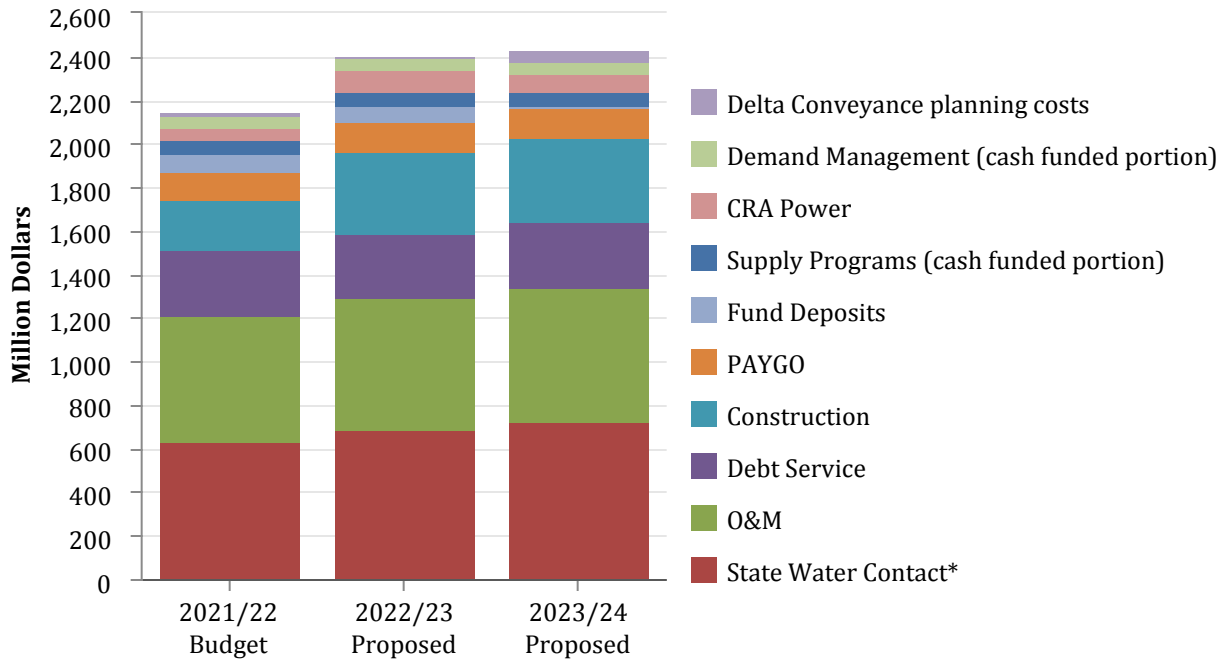
Total uses of funds are \$2.4 billion for FY 2022/23 and \$2.4 billion for FY 2023/24. The table and graph below show the breakdown of expenditures and other obligations that make up the Uses of Funds.

Total Uses of FY 2022/23 and FY 2023/24 Funds, \$ millions

	2021/22 Budget	2022/23 Proposed	2023/24 Proposed	2021/22 Budget Compared to 2022/23 Proposed	2022/23 Proposed Compared to 2023/24 Proposed
USES OF FUNDS					
Expenses					
State Water Contract*	629.4	688.7	726.7	59.3	38.1
Supply Programs (cash funded portion)	61.2	66.7	64.1	5.5	(2.6)
Delta Conveyance planning costs	25.0	10.0	54.5	(15.0)	44.5
Colorado River Power	57.6	105.9	85.6	48.3	(20.2)
Debt Service	307.0	288.0	301.0	(19.0)	13.0
Demand Management (cash funded portion)	52.5	50.8	54.9	(1.7)	4.1
Departmental O&M	530.9	562.1	568.0	31.2	5.9
Treatment Chemicals, Sludge & Power	34.8	32.5	34.9	(2.4)	2.4
Other O&M	14.2	14.4	13.8	0.2	(0.6)
Sub-total Expenses	1,712.5	1,819.0	1,903.6	106.5	84.6
Capital Investments	225.0	381.4	389.0	156.4	7.6
Fund Deposits					
R&R and General Fund	135.0	135.0	135.0	—	—
Revenue Bond Construction	—	56.7	—	56.7	(56.7)
Treatment Surcharge Stabilization Fund	2.0	—	5.9	(2.0)	5.9
Interest for Construction & Trust Funds	1.2	0.1	0.1	(1.0)	—
Increase in Required Reserves	60.8	13.3	—	(47.5)	(13.3)
Increase in Water Rate Stabilization Fund	17.2	2.4	—	(14.8)	(2.4)
Sub-total Fund Deposits	216.1	207.5	141.0	(8.6)	(66.5)
TOTAL USES OF FUNDS	2,153.6	2,407.8	2,433.6	254.2	25.7

Totals may not foot due to rounding.

Total Uses of FY 2022/23 and FY 2023/24 Funds, \$ millions



Colorado River Aqueduct Power

CRA power costs are projected to be \$105.9 million in FY 2022/23 and \$85.6 million in FY 2023/24 based on diversions of approximately 1,007 TAF in FY 2022/23 and 923 TAF in FY 2023/24. FY 2022/23 is \$48.3 million higher than the FY 2021/22 budget due to higher diversions at Intake and increased power costs. FY 2023/24 is \$20.2 million lower than FY 2022/23 due to reduced CRA diversions.

Please refer to the section on the CRA for additional details on this expense.

State Water Project

State Water Contract (SWC) expenditures, not including the Delta conveyance planned contribution described below, are budgeted at \$688.7 million for FY 2022/23 and \$726.7 million in FY 2023/24. This is based on Metropolitan's deliveries to MWD's service area of 670 TAF in FY 2022/23 and 869 TAF in FY 2023/24. SWP power costs are expected to be \$252.4 million for FY 2022/23 and \$262.5 million for FY 2023/24. Power costs are higher than FY 2021/22 budget due to increased power costs.

The forecasted amount for SWP expenditures reflects incorporation of rate management credits into the forecast. Rate management credits result from a provision of the State Water Contract that provides for the reduction of capital charges based on differences between the Department of Water Resources' collections from the SWP contractors and the actual amounts paid for capital-related charges.

The total State Water Contract expenditure budget of \$698.7 for FY 2022/23 and \$781.2 for FY 2023/24 includes Metropolitan's planned contribution of \$10 million in FY 2022/23 and \$54.5 million in FY 2023/24 for Delta conveyance project planning activities.

Please refer to the section on the SWP for additional details on this expense.

Regional Recycled Water Program Planning Costs

The FY 2022/23 and FY 2023/24 budget includes funding for planning costs for the potential Regional Recycled Water Program at \$12.9 million in FY 2022/23 and \$7.4 million in FY 2023/24 for preparation of a programmatic environmental impact report. This is the next step before the Board will be fully informed and ready to make a decision on whether to proceed with further investments in this potential project. The departments have budgeted for the RRWP planning costs as a major O&M project with their budgets. The FY 2021/22 budget of \$15 million was restated to show the planning costs in the departmental O&M budget.

Demand Management Costs

Demand management includes conservation programs, programs to incentivize the development of local water resources, Future Supply Actions Program, and the Stormwater Pilot Program. Metropolitan provides financial incentives to its member agencies for the development of local projects such as water recycling and groundwater recovery projects through the Local Resource Program (LRP). Metropolitan also provides financial incentives for the development of conservation programs. Demand Management paid from current year revenues is budgeted at \$50.8 million for FY 2022/23 and \$54.9 million in FY 2023/24. An additional \$18 million in each year is budgeted for conservation to be funded by debt.

Please refer to the section on Demand Management for additional details on this expenditure.

Supply Programs

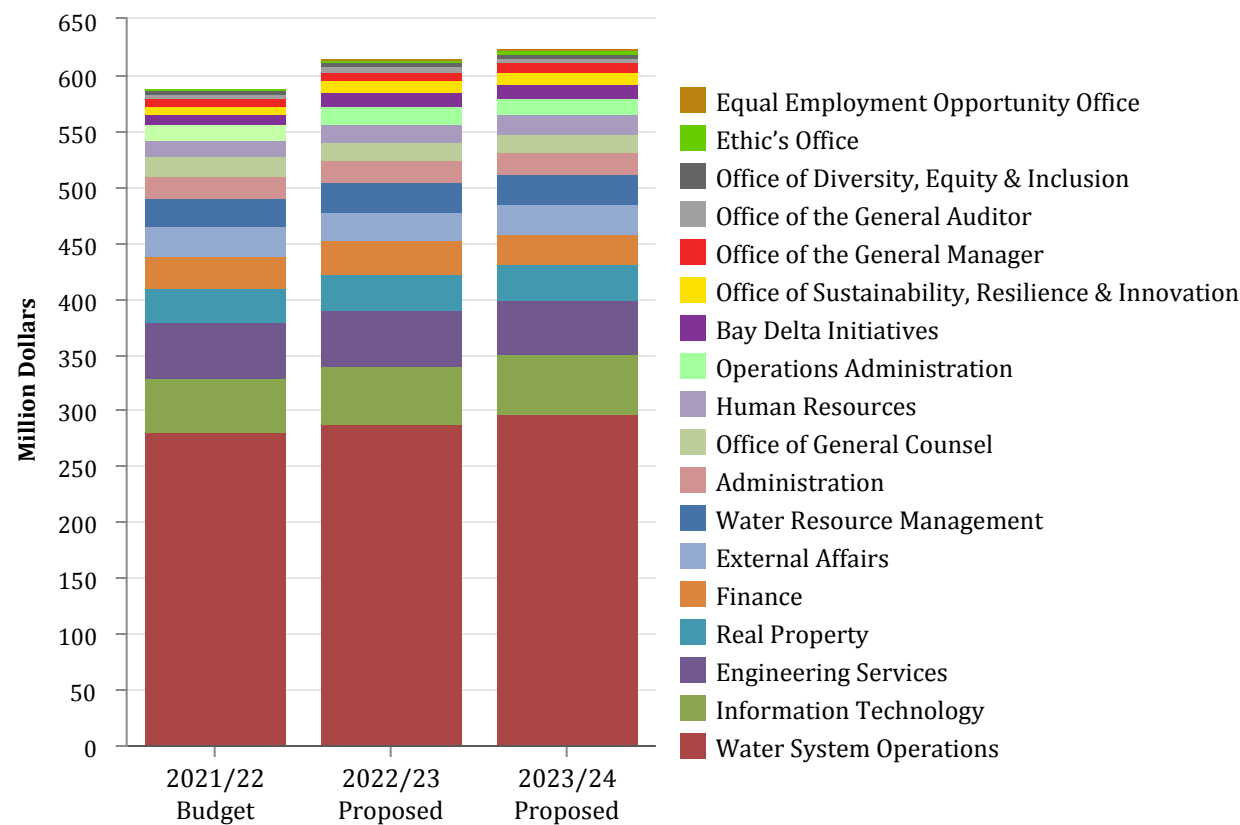
Metropolitan's two principal sources of supply draw from two different watersheds. This has allowed Metropolitan to draw more heavily on one source in the event the other is experiencing a drought. To further ensure regional supply reliability, Metropolitan has developed a portfolio of additional supply programs on both watersheds. Total expenditures from current year revenues are budgeted at \$66.7 million for FY 2022/23 and \$64.1 million in FY 2023/24. Additional spending on Participation Rights for the AVEK High Desert Water Bank Program of \$38M in FY 2022/23 and \$46M in FY 2023/24 are proposed to be funded by debt.

Please refer to the section on the Supply Programs for additional details on this expenditure.

OPERATIONS AND MAINTENANCE

The FY 2022/23 O&M budget, including operating equipment purchases, is \$608.9 million. This is \$29.1 million, or 5.0 percent, higher than the FY 2021/22 budget of \$579.9 million. The FY 2023/24 O&M budget is \$616.7 million, an increase of \$7.7 million, or 1.3 percent, over the FY 2022/23 budget.

Departmental Budget by Organization (without operating equipment, succession planning labor pool and overhead credit), \$ millions



Operations and Maintenance Budget by Organization, \$ thousands

Departmental Units	2021/22 Budget	2022/23 Proposed	2023/24 Proposed	2021/22 Budget vs. 2022/23 Proposed	% Change	2022/23 Proposed vs. 2023/24 Proposed	% Change
Office of the General Manager	6,269.5	8,139.4	8,371.4	1,869.9	29.8%	232.0	2.9%
Water System Operations w/o Variable Treatment	245,803.4	256,532.3	261,878.5	10,728.9	4.4%	5,346.2	2.1%
Information Technology	49,640.0	50,973.6	53,640.8	1,333.6	2.7%	2,667.2	5.2%
Engineering Services	49,345.2	50,817.7	49,358.6	1,472.5	3.0%	(1,459.1)	(2.9%)
Real Property	31,114.0	31,649.4	31,692.4	535.3	1.7%	43.0	0.1%
Finance	28,488.3	30,007.0	26,629.8	1,518.6	5.3%	(3,377.1)	(11.3%)
External Affairs	26,207.4	26,277.5	26,712.1	70.1	0.3%	434.6	1.7%
Water Resource Management	25,346.2	25,908.8	26,582.0	562.6	2.2%	673.2	2.6%
Administration	19,219.2	19,923.0	20,822.2	703.8	3.7%	899.2	4.5%
Human Resources	15,031.1	16,230.8	16,499.5	1,199.8	8.0%	268.7	1.7%
Operations Administration	13,552.7	15,414.6	15,609.0	1,861.9	13.7%	194.5	1.3%
Bay Delta Initiatives	9,709.4	12,499.4	12,867.9	2,790.0	28.7%	368.5	2.9%
Office of Sustainability, Resilience & Innovation	7,096.8	10,318.8	9,682.8	3,222.0	45.4%	(636.0)	(6.2%)
Office of Diversity, Equity & Inclusion	2,502.1	3,870.1	3,999.3	1,368.0	54.7%	129.2	3.3%
Equal Employment Opportunity Office	—	2,048.6	2,146.3	2,048.6	—%	97.7	4.8%
Subtotal - General Manager's Department	529,325.3	560,610.9	566,492.6	31,285.6	5.9%	5,881.7	1.0%
Office of General Counsel	17,752.3	16,416.7	16,289.3	(1,335.6)	(7.5%)	(127.5)	(0.8%)
Office of General Auditor	4,750.2	4,768.4	4,910.5	18.2	0.4%	142.1	3.0%
Ethic's Office	1,679.9	2,184.2	2,234.8	504.3	30.0%	50.5	2.3%
Undistributed RRWP Planning Costs*	4,035.0			(4,035.0)	—%	—	—%
Overhead Credit from Construction	(24,203.5)	(21,891.4)	(21,958.2)	2,312.1	(9.6%)	(66.8)	0.3%
Succession Planning Labor Pool	4,539.8	5,000.0	5,000.0	460.2	10.1%	—	—%
Total Department Budget	537,878.9	567,088.8	572,968.9	29,209.9	5.4%	5,880.2	1.0%
Operating Equipment	7,153.4	9,394.9	8,836.8	2,241.5	31.3%	(558.1)	(5.9%)
Variable Treatment	34,818.7	32,464.3	34,883.3	(2,354.4)	(6.8%)	2,419.0	7.5%
GRAND TOTAL	579,851.1	608,948.0	616,689.0	29,096.9	5.0%	7,741.0	1.3%

*FY 2021/22 Departmental O&M budget restated to include RRWP Planning Costs budget of \$15M; remaining \$10,965M budget reflected in individual groups budgets above

Totals may not foot due to rounding

The table above depicts the distribution of the departmental O&M by organization without the overhead credit, succession planning labor pool and operating equipment. Including treatment costs, the Water System Operations (WSO) group accounts for 47 percent of the total departmental budget for FY 2022/23 and FY 2023/24. Information Technology is the second largest departmental expenditure area, accounting for 8 percent of the total departmental budget for FY 2022/23 and FY 2023/24. A summary of the O&M budget by organization is shown in the table above. The table below summarizes the O&M budget by expenditure type. A more detailed discussion of significant factors impacting the O&M budget follows.

FY 2022/23 and FY 2023/24 Operations & Maintenance Annual Budget by Expenditure Type, \$ thousands

	2021/22 Budget	2022/23 Proposed	2023/24 Proposed	2021/22 Budget vs. 2022/23 Proposed	2022/23 Budget vs. 2023/24 Proposed
Salaries & Benefits	377,018.1	394,435.3	410,294.1	17,417.2	15,858.9
Chemicals, Sludge and Power	34,818.7	32,464.3	34,883.3	(2,354.4)	2,419.0
Outside Services	68,726.6	72,252.9	66,024.7	3,526.3	(6,228.2)
Materials & Supplies	33,073.7	36,388.9	36,804.0	3,315.2	415.1
Other	59,060.6	64,011.7	59,846.0	4,951.0	(4,165.7)
Operating Equipment	7,153.4	9,394.9	8,836.8	2,241.5	(558.1)
Grand Total	579,851.2	608,948.0	616,689.0	29,096.8	7,741.0

Totals may not foot due to rounding

FY 2022/23 O&M Budget Highlights

The FY 2022/23 O&M budget includes \$608.9 million for labor and benefits, water treatment chemicals, power, and solids handling, materials and supplies, professional services, and operating equipment purchases. This is \$29.1 million, or 5.0 percent, higher than the FY 2021/22 budget of \$579.9 million. This increase is primarily due to negotiated labor increases, enhanced security, land management and maintenance efforts, inflationary pressures on fuels and materials, and increased utilities demand and costs.

Salaries and Benefits: Labor costs, not including those charged to construction are \$394.4 million. This is \$17.4 million, or 4.6 percent, higher than the FY 2021/22 budget of \$377.0 million. Key increases include negotiated labor increases of \$15.6 million, or 90.0 percent of the increase; new positions of \$4.0 million, or 23.0 percent of the increase and overhead credit from construction of \$2.3 million or 13 percent of the increase. These increases were offset by a decrease in benefits of (\$4.3) million, or (25.0) percent of the increase. Retirement, medical and other benefits are increasing offset by a lowered actuarial estimate for Other Post Employment (OPEB) benefits. Overhead credit from construction estimate was also revised downwards.

The FY 2022/23 budget includes 1,927 regular full time positions which are increasing by 20 net positions from the FY 2021/22 budget and 47 district temporary full-time equivalents (FTEs) which are increasing by 10 net positions for a total of 1,974 authorized positions.

The 20 new regular full time positions are being added to support board initiatives of Diversity, Equity & Inclusion (DEI), Equal Employment Opportunity (EEO), Sustainability, Innovation & Resilience (SRI) as well as other critical district needs in land management and property maintenance, media and communication, security (including cybersecurity), and accounting, treasury and contracting. The ten district temporary positions are being added to accommodate enhanced security, business process and business systems support as well as ongoing succession planning and education efforts.

The budget recognizes the importance of sound succession planning and continued training and development of the workforce with a \$5 million succession planning labor pool included in each FY 2022/23 and FY 2023/24 budget for advance recruitment and internship programs. An additional \$2 million each year is included in WSO's budget to fund the apprenticeship program.

Outside Services: Outside Services are anticipated to increase by \$3.5 million primarily as a result of enhanced security, land management, and maintenance efforts; The development and implementation of Metropolitan's Security Strategic Management Plan requires additional labor and non-labor resources in order to meet vulnerability assessment recommendations. In addition, the budget includes large maintenance and repair projects at Metropolitan's USHQ Facility, DVL Visitor Center and property structures in the Bay Delta and Palo Verde Valley. Some of these projects at USHQ and DVL were deferred by Board action in the last biennial budget.

Materials & Supplies: Materials & Supplies is increasing by \$3.3 million primarily as a result of land management and maintenance efforts as well as software licensing and support. Costs of fuel, building, construction and other materials are rising significantly due to inflationary pressures. Metropolitan has adopted a Cloud First strategy for business applications. As systems are moved to the cloud, software license costs that were previously captured as capital are now expensed as O&M per accounting requirements. In the long term, moving and hosting business applications in the cloud will prove to be more cost effective, and provide for greater operational flexibility and resiliency.

Other O&M and Operating Equipment: Chemicals, solids, and power reflect the cost of the water treatment process and are anticipated to decrease by \$2.4 million in FY 2022/23, driven by a reduction in power and chemical costs. Power costs are decreasing due to changes in power costs and water flows. Chemical costs are decreasing as a result of a change in water blends - a shift to more CRA water which requires less chemicals to treat than SWP water.

The FY 2022/23 budget reflects an increase in utilities not related to variable treatment of \$3.4 million as a result of increasing costs associated with electricity and hazardous waste disposal. Hazardous waste abatement costs are increasing as a result of the Weymouth Basin Remediation and CRA rehabilitation. Electricity costs are increasing due to the planned continuous operation at the Greg Avenue pump station to manage available supplies and help mitigate drought conditions.

Insurance premiums and third party claims are also increasing by \$1.1 million. Insurance premiums are increasing as a result of the expected overall pool exposure to catastrophic losses such as wild fire risk liability, US economic and political uncertainties, global instability and new and increased exposures due in part to climate change. 3rd party liability claims are increasing based on projected losses from the actuarial report.

Operating equipment is higher by \$2.2 million primarily due to the replacement of critical aging vehicles and equipment that is at the end of its useful life and inflationary pressures in pricing. The purchase of vehicles was deferred by Board action in the last biennial budget.

Regional Recycled Water Program Planning Costs: The budget for the RRWP Planning Costs is \$12.9 million and is reflected in Departmental O&M as a major O&M Project. \$9.6 million of the total is for professional services and \$3.2 million is for salaries and benefits. A total of 11 regular full-time positions have been allocated to the project. The FY 2021/22 budget of \$15 million included \$11.8 million for professional services and \$3.2 million for salaries and benefits.

FY 2023/24 O&M Budget Highlights

The FY 2023/24 O&M budget is \$616.7 million, an increase of \$7.7 million, or 1.3 percent, compared to the FY 2022/23 budget. This increase is primarily due to negotiated labor increases offset by a reduction in outside services related to the RRWP Planning project and a decrease in anticipated 3rd party insurance claims.

Salaries and Benefits: The FY 2023/24 O&M labor budget is about \$15.9 million or 4.0 percent higher than the FY 2022/23 budget. Negotiated labor increases represent \$15.7 million, or 98.9 percent of the increase. Benefits are continuing to decline by \$0.5 million or 3.3 percent as a result of reduced OPEB costs. The remaining \$0.6 million increase, or 3.8 percent, is primarily attributable to a slight increase in overtime, as well as premium and temporary labor.

FY 2023/24 regular full time positions are flat with the FY 2022/23 budget but district temporary positions are increasing by 2 net positions. As a result FY 2023/24 total authorized positions are increasing from 1,974 to 1,976.

Outside Services: Outside Services are anticipated to decrease by \$6.2 million of which \$5.5M is due to the decrease in the level of support for the environmental planning phase of the RRWP Planning project. Other

reductions in legal and labor union negotiations costs were somewhat offset by increases in property maintenance and security costs.

Materials & Supplies: Materials & Supplies is increasing by \$0.4 million. Increases in software licensing and support of \$0.8 million is being offset by a reduction in water treatment chemicals of \$0.4 million used for Quagga mussel control. There is an expectation in FY 2023/24 that SWP flows would increase and the need for chemicals to treat CRA water would decrease.

Other O&M and Operating Equipment: The cost of chemicals, power, and sludge disposal incurred in the water treatment process is anticipated to increase by \$2.4 million in FY 2023/24 due primarily to increased water demands and inflationary pressures on chemical costs.

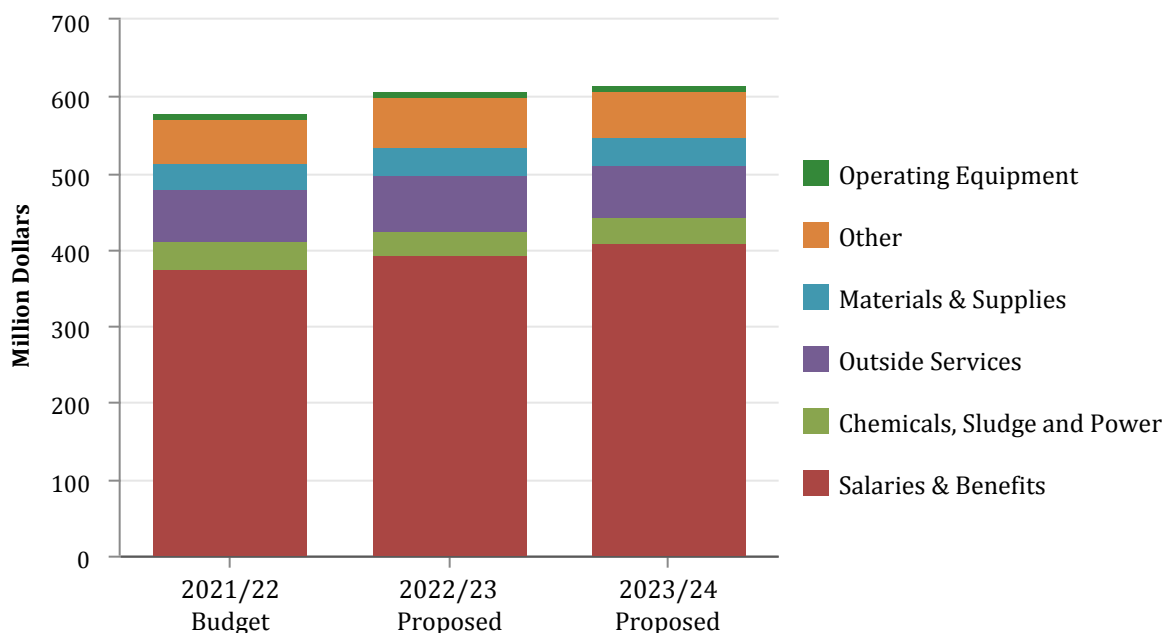
Third-party insurance claims are anticipated to decrease by \$4.0 million as a result of the actuarial study.

The FY 2023/24 budget reflects a decrease in utilities not related to variable treatment of \$1.1 million due to pumping at the Greg Avenue facility anticipated for only half of the year.

Operating equipment is lower by \$0.6 million from FY 2022/23 due primarily to a reduction in lab equipment and construction and maintenance needs.

Regional Recycled Water Program Planning Costs: The budget for the RRWP Planning Costs is \$7.4 million and is reflected in Departmental O&M as a major O&M Project. \$4.2 million of the total is for professional services and \$3.2 million for salaries and benefits. A total of 11 regular full-time positions have been allocated to the project.

Departmental Budget by Expenditure Type, \$ millions



The figure above summarizes the total departmental O&M budget by expenditure type, of which about 65 percent is for salaries and benefits in both FY 2022/23 and FY 2023/24.

STAFFING PLAN

FY 2022/23 and FY 2023/24 total authorized positions which include district temporary positions, are 1,974 and 1,976 positions, respectively. Total regular full time positions are increasing by 20 over the biennium to support board initiatives of Diversity, Equity & Inclusion (DEI), Equal Employment Opportunity (EEO), Sustainability, Innovation & Resilience (SRI) as well other critical district needs in land management and property maintenance, media and communication, security including cybersecurity, and accounting, treasury and contracting. Twelve district temporary positions will also be added over the biennium to accommodate enhanced security, business process and business systems support as well as ongoing succession planning and education efforts.

Over the biennium, positions dedicated to O&M work are expected to increase by 35 regular full time positions and by 12 district temporary positions to support increased recruitment, enhanced security, land management and maintenance efforts, enhanced business process and business systems support, and ongoing succession planning efforts. The number of regular full time positions allocated to the RRWP Planning Costs budget over the biennium has remained constant at 11 from the FY 2021/22 budget.

The personnel complement is shown in the following tables.

Regular and Temporary Positions

	2020/21 Budget	2021/22 Budget	2022/23 Proposed	2023/24 Proposed	2021/22 Budget vs. 2022/23 Proposed	2022/23 Budget vs. 2023/24 Proposed
Regular Full Time Positions	1,907	1,907	1,927	1,927	20	—
District Temporary Positions	43	37	47	49	10	2
Total	1,950	1,944	1,974	1,976	30	2

Totals may not foot due to rounding.

O&M and Capital Staffing Levels

	2021/22 Budget	2022/23 Proposed	2023/24 Proposed
O&M Positions			
Regular Full Time Positions	1,623	1,658	1,658
District Temporary Positions	35	46	48
Total O&M	1,658	1,704	1,706
Capital Positions			
Regular Full Time Positions	284	269	269
District Temporary Positions	2	1	1
Total Capital	286	270	270
GRAND TOTAL	1,944	1,974	1,976

Totals may not foot due to rounding.

CAPITAL INVESTMENT PLAN

Estimated expenditures for the Capital Investment Plan (CIP) which includes Minor Capital Projects are \$600 million for FY 2022/23 and FY 2023/24. They are funded by current operating revenues (PAYGO) and revenue bond proceeds. The FY 2022/23 CIP expenditures are \$75 million higher than the FY 2021/22 budget, while the FY 2023/24 is unchanged from the FY 2022/23 budget. The largest areas of expenditures in the Biennial Budget are infrastructure refurbishment and replacement and infrastructure upgrades.

The CIP is discussed in more detail in the CIP supplemental volume.

Cash Funded Capital

The CIP is anticipated to be funded 45 percent by current operating revenues (PAYGO) in FY 2022/23 and in FY 2023/24, the CIP is anticipated to be funded 45 percent by PAYGO. The PAYGO funding for FY 2022/23 is budgeted at \$135 million and in FY 2023/24, the PAYGO funding is budgeted at \$135 million.

Debt Funded Capital

The CIP is anticipated to be funded 55 percent by revenue bond proceeds in FY 2022/23 and in FY 2023/24, the CIP is anticipated to be funded 55 percent by revenue bond proceeds. New debt issues of \$330 million are planned over the biennium to fund the CIP. Given construction funds expected to be available at the beginning of the biennial budget period and planned PAYGO amounts, these bond issues should provide sufficient funds to meet CIP expenditures over the two years.

Debt Service

For FY 2022/23 and FY 2023/24, Metropolitan plans to issue new revenue bond debt as described above. Debt service payments in FY 2022/23 are budgeted at \$288.0 million and \$301.0 million in FY 2023/24.

Please refer to the section on Capital Financing for additional details on this expense.

FUND BALANCES AND RESERVES

Metropolitan operates as a single enterprise fund for financial statements and budgeting purposes. Through its Administrative Code, Metropolitan identifies a number of accounts, which are referred to as funds, to separately track uses of monies for specific purposes as summarized in the table below.

The FY 2022/23 budget forecasts a \$11.7 million decrease in reserves by June 30, 2023 and includes the Water Rate Stabilization Fund (WRSF) and the Revenue Remainder Fund. In addition, the Treatment Surcharge Stabilization Fund (TSSF) and the Water Stewardship Fund (WSF) are projected to decrease by \$120.9 million.

The FY 2023/24 budget forecasts a \$23.7 million decrease in reserves by June 30, 2024 and includes the WRSF and the Revenue Remainder Fund. In addition, the TSSF is projected to increase by \$6.7 million and the WSF is projected to decrease by \$75.6 million.

Fund balances are budgeted to be \$1.29 billion at June 30, 2023. Of that total, \$819.3 million is restricted by bond covenants, contracts, or board policy, and \$474.7 million is unrestricted. Fund balances are budgeted to be \$1.17 billion at June 30, 2024. Of that total, \$721.2 million is restricted by bond covenants, contracts, or board policy, and \$451.0 million is unrestricted.

On June 30, 2023, the minimum and target levels for the reserve funds are estimated to be \$262.1 million and \$637 million, respectively. Based on projected revenues and expenditures, it is estimated that the balance in the WRSF and Revenue Remainder Fund will total about \$474.7 million, about \$212.6 million over the minimum level.

On June 30, 2024, the minimum and target levels for the reserve funds are estimated to be \$269.8 million and \$671.4 million, respectively. Based on projected revenues and expenditures, it is estimated that the balance in the WRSF and Revenue Remainder Fund will total about \$451.0 million, about \$181.2 million over the minimum level.

Projected Fund Balances, \$ millions

	Restricted	Designated	Unrestricted	Total
2022/23 Proposed				
Operating Funds	494.6	—	—	494.6
Debt Service Funds	200.4	—	—	200.4
Construction Funds	60.2	2.7	—	63.0
Reserve Funds (1)	—	—	474.7	474.7
Rate Stabilization Funds (2)	—	5.3	—	5.3
Trust and Other Funds	55.9	—	—	55.9
Total June 30, 2023	811.1	8.1	474.7	1,293.8
2023/24 Proposed				
Operating Funds	485.6	—	—	485.6
Debt Service Funds	200.1	—	—	200.1
Construction Funds	(34.5)	2.7	—	(31.8)
Reserve Funds (1)	—	—	451.0	451.0
Rate Stabilization Funds (2)	—	11.2	—	11.2
Trust and Other Funds	55.9	—	—	55.9
Total June 30, 2024	707.1	14.0	451.0	1,172.1

Totals may not foot due to rounding.

(1) includes Water Rate Stabilization Fund and Revenue Remainder Fund.

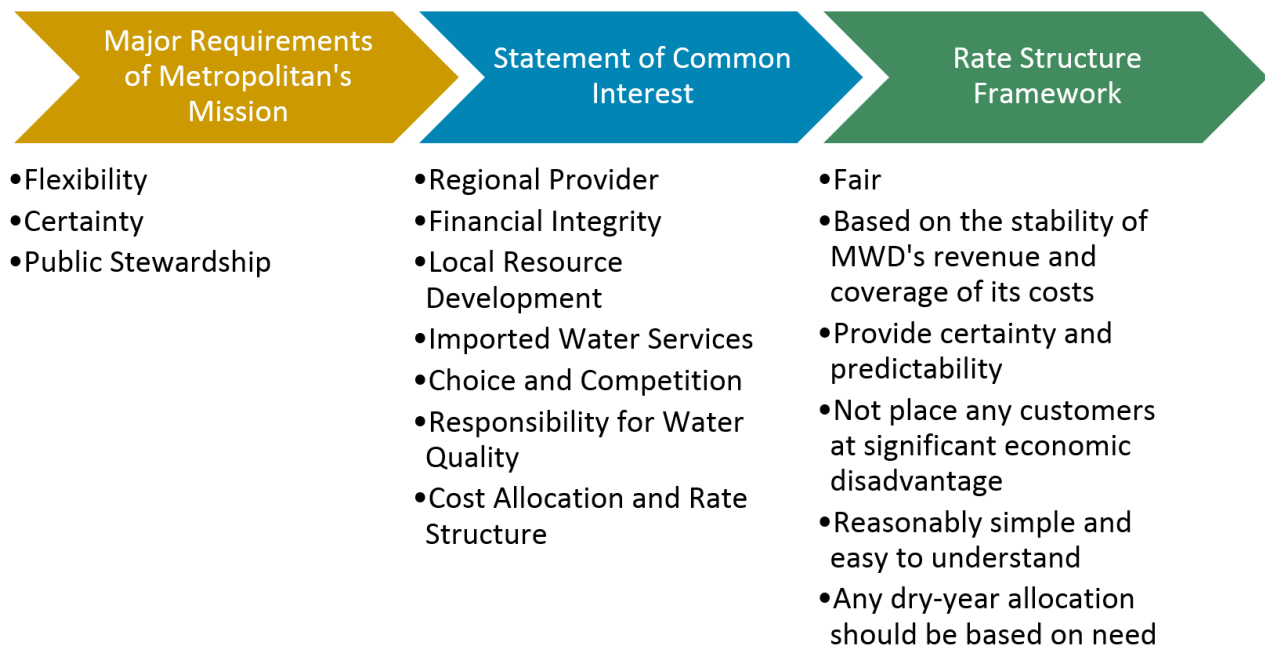
(2) includes Water Stewardship Fund and Treatment Surcharge Stabilization Fund

RATE STRUCTURE OVERVIEW

Framework

The Rate Structure Framework evolved through a comprehensive strategic planning process initiated in 1998. As depicted in the following figure, the first step of the process was to identify the “Major Requirements of Metropolitan’s Mission,” which was reflected in the Strategic Plan Policy Principles. The Statement of Common Interests formed the basis of Metropolitan’s strategic plan to address these mission requirements. One of the most important common interests was “Cost Allocation and Rate Structure.” In determining the most appropriate Cost of Service (COS) and rate structure, a set of pricing objectives, or guiding rate principles, was developed. These guiding rate principles defined Metropolitan’s Rate Structure Framework by which various COS and rate-setting methodologies could be evaluated.

Development of the Rate Structure Framework



The strategic planning process which established the foundation of the Rate Structure Framework is discussed below.

Major Requirements of Metropolitan's Mission

As one of the first steps in the strategic planning process in 1998, the Board developed a list of three mission requirements in its Metropolitan vision statement - flexibility, certainty, and public stewardship, which it described as:

- **Flexibility.** Metropolitan is aware of the legislative and economic pressures which make flexibility in providing water services for a changing demand and in a competitive water market paramount. Fair compensation for wheeling through Metropolitan's conveyance systems is an essential element of Southern California's developing market.
- **Certainty.** The certainty that Metropolitan's water supply is reliable and that the COS is appropriate is of utmost importance to member agencies and their retailers who are endeavoring to provide not only water, but value to the residents in their service area.
- **Public Stewardship.** As public stewards of much of Southern California's water supply, Metropolitan and its member agencies are responsible for making certain that the water is provided in a cost-effective and environmentally sound manner.

Statement of Common Interests

From the strategic planning mission requirements, the Board developed a list of seven areas of common interest that formed the major focus elements of the Metropolitan strategic plan, described as:

- **Regional provider.** This area includes the concerns of protecting regional infrastructure and providing service during drought periods. Regional water must be provided to meet the needs of the member agencies, and water supplies must be equitably allocated during drought periods based on the Water Surplus and Drought Management Plan principles.
- **Financial integrity.** It is a common interest of the members for Metropolitan to assure the financial integrity of the agency in all aspects of its operations.
- **Local resource development.** Metropolitan supports local resources development by working in partnership with its member agencies and by providing member agencies with financial incentives for water conservation and for local projects.
- **Imported water service.** Metropolitan is responsible for providing imported water to meet the committed needs of its member agencies.
- **Choice and competition.** After Metropolitan provides imported water for the member agencies' committed demands, a member agency can choose the most cost-effective additional water supplies for its customers. These choices include either Metropolitan, local resource development, market transfers, or some combination of these secondary options. Metropolitan and its member agencies can decide how to provide these additional supplies collaboratively while balancing local, imported, and market opportunities with affordability.
- **Responsibility for water quality.** Metropolitan must advocate for source water quality and implement in-basin water quality for the imported water it supplies. This is necessary to guarantee compliance with primary drinking water standards and to meet the water quality requirements for water recycling and ground water replenishment.

- **Cost allocation and rate structure.** The framework for a revised rate structure will be established to address allocation of costs, financial commitment, unbundling of services, and fair compensation for services including wheeling, peaking, growth, and others.

Rate Structure Framework

A major element of common interest was “*Cost Allocation and Rate Structure.*” In addressing this element a set of pricing objectives, or guiding rate principles, had to be developed to evaluate alternative COS and rate setting approaches, or methodologies. As a result, the Board adopted a set of rate principles which was defined as the *Rate Structure Framework*. The Rate Structure Framework provided the principles for the Strategic Planning Steering Committee to develop a preferred rate structure. The Rate Structure Framework includes the following principles:

- The rate structure should be *fair*;
- It should be based on the *stability* of Metropolitan’s revenue and coverage of its costs;
- It should provide certainty and predictability;
- It should not place any customers at *significant economic disadvantage*;
- It should be reasonably *simple and easy to understand*; and
- Any dry-year allocation should be *based on need*.

The 2001 COS and rate structure was adopted by the Board to address the Rate Structure Framework. That COS process and rate structure remain today, with the exception of recent modifications by the Board. First, in August 2020, the Board repealed the pre-set wheeling rate for short-term wheeling service to member agencies. As a result, charges for short-term wheeling to member agencies is now subject to contractual negotiations on a case-by-case basis, as has been the case with long-term wheeling arrangements for member agencies, all wheeling for third parties, and all exchange transactions. In December 2019, the Board directed staff (1) to incorporate the 2019/20 fiscal-year-end balance of the Water Stewardship Fund to fund all demand management costs in the proposed FYs 2020/21 and 2021/22 Biennial Budget; and (2) to not incorporate the Water Stewardship Rate, or any other rate or charge to recover demand management costs, with the proposed rate and charges for CYs 2021 and 2022. In November 2021, the Board directed staff to allocate all demand management costs to Metropolitan’s supply rate elements, and no Water Stewardship Rate or other demand management recovery charge is included in the rate structure after 2022.

RATE STRUCTURE DESIGN

The elements of the rate structure, and the rates and charges for calendar year 2022, 2023, and 2024 are summarized in Table 14.

Table 14. Rate Elements

Rate Design Elements	Functional Costs Recovered	Type of Charge	2022	2023	2024
Tier 1 Supply Rate	Supply, Drought Storage	Volumetric (\$/af)	\$243	\$328	\$348
Tier 2 Supply Rate	Reflects cost of transfers from north of the Delta	Volumetric (\$/af)	\$285	\$532	\$538
System Access Rate	Conveyance/Distribution (Average Capacity), portion of Regulatory/Emergency Storage	Volumetric (\$/af)	\$389	\$373	\$416
System Power Rate	Power on CRA and SWP	Volumetric (\$/af)	\$167	\$187	\$188
Treatment Surcharge	Treatment	Volumetric (\$/af)	\$344	\$364	\$370
Capacity Charge	Peak Distribution Capacity, portion of Regulatory Storage	Fixed (\$/cfs)	\$12,200	\$10,700	\$11,700
Readiness-to-Serve Charge	Available Conv. & Dist. Capacity, Emergency Storage	Fixed (\$M)	\$140	\$145	\$183

*Rates and Charges effective January 1st

Supply Rates

Purpose

The rate structure recovers supply costs through a two-tiered price structure. The amount of water a member agency may purchase at the lower Tier 1 Supply Rate, which is water within a member agency's Tier 1 maximum, is established by either a purchase order agreement or calculated as 60% of its Revised Base Firm Demand.

Tier 1 Supply Rate

The Tier 1 Supply Rate is a volumetric rate charged on Metropolitan's water sales that are within a member agency's Tier 1 maximum. The Tier 1 Supply Rate supports a regional integrated approach through the uniform, postage stamp rate. The Tier 1 Supply Rate is calculated as the amount of the total revenue requirement functionalized as supply divided by the estimated amount of Tier 1 water sales. Per Board direction in December 2021, all demand management costs are functionalized as supply and collected on the Tier 1 and Tier 2 supply rates.

Tier 2 Supply Rate

The Tier 2 Supply Rate is a volumetric rate that reflects the costs of Tier 1 and Metropolitan's cost of purchasing water transfers north of the Delta. The Tier 2 Supply Rate is charged on Metropolitan water sales that exceed a member agency's Tier 1 maximum. The higher costs reflected in the Tier 2 Supply Rate encourages the member agencies and their customers to maintain existing local supplies and develop cost-effective local supply resources.

and conservation. Per Board direction in December 2021, all demand management costs are functionalized as supply and collected on the Tier 1 and Tier 2 supply rates.

Implementation

Because the Tier 1 maximum is set at a total member agency level and not at a meter level, all system water delivered will be billed at the Tier 1 Supply Rate. Any water delivered that exceeds the Tier 1 maximum will be billed an additional amount equivalent to the difference between the Tier 2 and Tier 1 Supply Rates.

For member agencies without purchase orders and member agencies with purchase orders that accrue a cumulative Tier 2 obligation at the end of year five of the purchase order, the Tier 2 Supply Rate will be applied in the month where the Tier 1 maximum is surpassed on all applicable deliveries. Otherwise, any obligation to pay the Tier 2 Supply Rate will be calculated over the ten-year period, consistent with the calculation of any purchase order commitment obligation.

Benefits

The use of the two-tiered structure for Supply Rates provides several benefits including (1) efficient resource management, and (2) clear price signals to accommodate a water transfer market.

System Access Rate (SAR)

Purpose

The SAR recovers the costs of Conveyance, Distribution, and Storage that is used on an average annual basis through a uniform, volumetric rate. All member agencies pay the SAR for the conveyance and distribution capacity associated with deliveries of full-service water.

Implementation

The SAR is charged for each acre-foot of water transported by Metropolitan to its member agencies and delivered as a full-service water transaction.

Benefits

The SAR benefits include: (1) support of a regional approach; (2) accommodates a water transfer market that does not unfairly advantage one user over another; (3) provides a clear linkage between costs and benefits; and (4) establishes a simple approach to recovering the costs of conveyance and distribution functions.

System Power Rate (SPR)

Purpose

The SPR recovers the costs of energy required to pump water to Southern California through the SWP and CRA. The cost of power is recovered through a uniform, volumetric rate.

Implementation

The SPR is applied to all deliveries of Metropolitan water to member agencies.

Benefits

The primary benefit of the SPR is that it clearly identifies Metropolitan's average cost of power.

Treatment Surcharge

Purpose

The Treatment Surcharge recovers all of the costs of providing treatment capacity and operations through a uniform, volumetric rate per acre-foot of treated water transactions.

Implementation

The Treatment Surcharge is charged to all treated water transactions.

Benefits

There are several benefits provided by the treatment surcharge, including that (1) only treated water users pay for the costs of treatment, and (2) by averaging the costs of providing treated water service over the entire system the regional economies of scale are preserved.

Capacity Charge

Purpose

The Capacity Charge recovers the costs incurred to provide peak capacity within the Distribution System. The Capacity Charge also provides a price signal to encourage agencies to reduce peak demands on the Distribution System and to shift demands that occur during the May 1 through September 30 period into the October 1 through April 30 period, resulting in more efficient utilization of Metropolitan's existing infrastructure and deferring capacity expansion costs.

Implementation

Each member agency will pay the Capacity Charge per cubic feet per second (cfs) based on a three-year trailing peak (maximum) day demand, measured in cfs. Each member agency's peak day is likely to occur on different days; therefore this measure approximates peak week demands on Metropolitan.

Benefits

The Capacity Charge provides several benefits including (1) increasing the overall efficiency of water use, (2) improving the fair allocation of costs among member agencies based upon the demand imposed by each agency, and (3) providing a source of fixed revenue.

Readiness-To-Serve Charge (RTS)

Purpose

The RTS recovers the cost of the portion of system that is available to provide emergency service and available capacity during outages and hydrologic variability.

Implementation

The RTS is a fixed charge that is allocated among the member agencies based on a ten-fiscal-year rolling average of firm demands. Water transfers and exchanges are included for purposes of calculating the ten-year rolling average. The SDCWA Exchange Water transactions are excluded from the calculation of the ten-year rolling average per the terms of the Amended and Restated Agreement between the Metropolitan Water District of Southern California and the San Diego County Water Authority for the Exchange of Water. The Standby Charge is collected at the request of some member agencies that have elected to use the charge as a direct offset to the member agency's RTS obligation.

Benefits

The RTS provides two major benefits, which includes (1) a better matching of costs and benefits, and (2) a SAR that recovers only those costs associated with providing average annual service.

Purchase Order Option

The current rate structure allows member agencies to choose to purchase water from Metropolitan by means of a Purchase Order. Purchase Orders are voluntary agreements that determine the amount of water that a member agency can purchase at the Tier 1 Supply Rate. They allow member agencies to purchase a greater amount of water at the lower Tier 1 Supply Rate than would otherwise be authorized by the Administrative Code. In exchange for the higher Tier 1 Maximum, the member agency commits to purchase a specific amount of water (based on past purchase levels) over the term of the agreement. Such agreements allow member agencies to manage costs and provide Metropolitan with a measure of secure revenue.

In November 2014, the Metropolitan Board approved new Purchase Orders effective January 1, 2015 through December 31, 2024 (the “Purchase Order Term”). Twenty-one of the twenty-six member agencies have Purchase Orders, which commit the member agencies to purchase a minimum amount of supply from Metropolitan (the “Purchase Order Commitment”). The original Purchase Order Commitments were reduced by 10 percent due to the Water Supply Allocation Plan implementation in FY 2015/16.

The key terms of the Purchase Orders include:

- A ten-year term, effective January 1, 2015 through December 31, 2024;
- A higher Tier 1 limit based on the Base Period Demand, determined by the member agency’s choice between (1) the Revised Base Firm Demand, which is the highest fiscal year purchases during the 13-year period of fiscal year 1989/90 through fiscal year 2001/02, or (2) the highest year purchases in the most recent 12-year period of fiscal year 2002/03 through 2013/14. The demand base is unique for each member agency, reflecting the use of Metropolitan’s system water over time;
- An overall purchase commitment by the member agency equal to the Demand Base period chosen multiplied by ten to reflect the ten-year Purchase Order term. Those agencies choosing the more recent 12-year period may have a higher Tier 1 Maximum and commitment. The commitment is also unique for each member agency.
- The opportunity to reset the Base Period Demand using a five-year rolling average;
- Any obligation to pay the Tier 2 Supply Rate will be calculated over the ten-year period, consistent with the calculation of any Purchase Order commitment obligation; and
- An appeals process for agencies with unmet purchase commitments that will allow each acre-foot of unmet commitment to be reduced by the amount of production from a local resource project that commences operation on or after January 1, 2014.

Member agencies that do not have Purchase Orders in effect are subject to Tier 2 Supply Rates for amounts exceeding 60 percent of their base amount (equal to the member agency’s highest fiscal year demand between 1989-90 and 2001-02) annually.

UNDERSTANDING THE LAYOUT OF THE DEPARTMENTAL BUDGET

DEPARTMENTAL/GROUP BUDGET

The Departmental Section provides detailed information about the Operations and Maintenance (O&M) budget of each group and department and consists of the following:

Mission

Describes, at a high level, the scope of the organization's functions.

Programs

Describes the organizations roles and responsibilities by program or section and provides a summary organizational chart.

Goals & Objectives

Summarizes the goals & objectives each organization proposes to accomplish in the upcoming fiscal years.

O&M Financial Summary

Provides a summary of the organization's O&M budgets. For FY 2022/23 and FY 2023/24, O&M expenditures are identified by expense categories such as salaries and benefits, professional services, and "other" expenditures and incorporate the group objectives.

Expense Category

Category	Description
<i>Salaries and Benefits</i>	Labor costs and fringe benefits for Metropolitan's regular, district temporary, and agency temporary employees. Total salaries and benefits, direct charges to capital, and O&M salaries are shown.
<i>Professional Services</i>	All costs associated with work performed by outside contractors and consultants.
<i>Operating Equipment</i>	Costs associated with the purchase of capitalized portable equipment, including automobiles, trucks, servers, and other applicable portable equipment.
<i>Other</i>	Cost of purchasing chemicals, materials and supplies, reprographics, travel, telephone, and other necessary items for effective operation of Metropolitan. A breakdown has been provided to itemize those expense categories that are five percent or more of the "other" category.

O&M Budget by Section

Provides a summary of the organization's O&M budget and personnel count by section or program.

Personnel Summary

Provides a breakdown for the organization of total personnel involved in O&M and capital work.

Budget Highlights

Identifies the major factors of the budget variance over the biennium as well as any significant changes by budget year.

OFFICE OF THE GENERAL MANAGER

The Office of the General Manager manages and administers all Metropolitan activities except those functions specifically delegated by statutes and Board order to the General Counsel, General Auditor, or Ethics Officer.

PROGRAMS

The Office of the General Manager is responsible for the management and administration of Metropolitan's activities including the management of all matters pertaining to the business of the Board and research on actions and policies of the Board by staff for directors, member agencies, and the public.

The reporting structure of the Office of the General Manager is reflected below.

The Board of Directors provides policy and direction as the governing body of the Metropolitan Water District.



GOALS AND OBJECTIVES

The following strategic priorities in the General Manager's Business Plan reflect the funding emphasis in the budget and highlight items that will be the focus of Board and staff attention over the next two years.

Strategic Priority #1: Empower the Workforce and Promote Diversity, Equity and Inclusion

Establish Office of Diversity, Equity, and Inclusion

Establish Equal Employment Opportunity (EEO) office

Establish Workforce Development Strategies

- Update training curriculum to focus on future challenges
- Pilot program to expand craft training to complement the apprenticeship program
- Coordinate District-wide management forum

Update recruitment strategies and practices

Strategic Priority #2: Sustain Metropolitan's Mission with a Strengthened Business Model

Given the identified challenges before us, document a common understanding of the services needed and value provided to the region

Assess the rate structure based on the identified values and services

Manage rate pressure on Member Agencies

- Secure state and federal funding
- Explore non-rate revenues
- Assess benefits, costs and alternative approaches for major initiatives and projects

Evaluate alternative funding and participation mechanisms for local supply development

Strategic Priority #3: Adapt to Changing Climate and Water Resources

Establish Office of Sustainability, Resiliency, and Innovation

Complete IRP Implementation Plan and Revise Water Surplus and Drought Management Plan to meet short- and long-term water resource objectives

Implement Climate Action Plan to reduce and mitigate emissions and impacts from energy use and other activities

Advance source reliability of major water resources

- Regional Recycled Water Program (per Board consideration)
- Water management guidelines for Colorado River
- Delta Conveyance Project (DCP) planning and permitting
- Advance watershed science and ecosystem restoration
- Increase water use efficiency for all communities and sectors, with a particular emphasis on addressing outdoor use (irrigation and agriculture) and leaking pipes

Strategic Priority #4: Protect Public Health, Regional Economy, and Metropolitan's Assets

Invest in system resilience, with an emphasis on infrastructure reliability and system flexibility (e.g., SWP dependent areas)

Protect water quality from source to tap and prepare for emerging water quality issues

Apply innovation and technology across project lifecycles (design, construction, operations, maintenance, and replacement)

Identify and address system vulnerabilities, such as

- Emergency preparedness and response
- Physical- and cyber-security
- Seismic and other system risks

Strategic Priority #5: Partner with Stakeholders and the Communities We Serve

Strengthen collaboration with member agencies and external stakeholders on public outreach, business, education, conservation and workforce development

Build greater awareness and understanding of underserved communities and engage them in addressing challenges of water quality, infrastructure and affordability

Engage new civic leaders at the local, state and federal levels

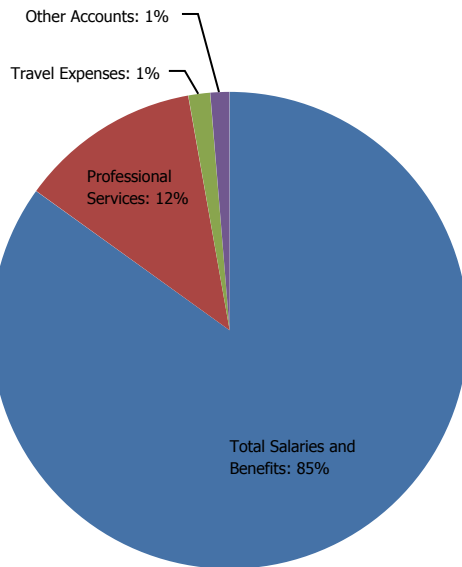
Equip staff to serve as ambassadors for Metropolitan and water reliability throughout the region and state, nationally, and industry-wide

O&M FINANCIAL SUMMARY

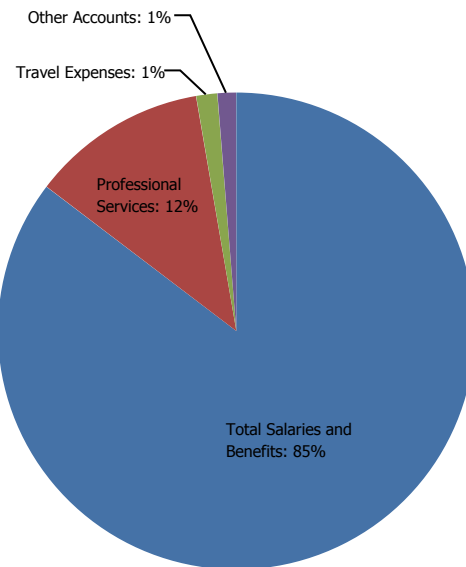
	2020/21 Actual	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Total Salaries and Benefits	4,840,481	5,269,432	6,913,197	1,643,765	7,145,080	231,883
<i>Direct Charges to Capital</i>	—	—	—	—	—	—
Total Salaries and Benefits	4,840,481	5,269,432	6,913,197	1,643,765	7,145,080	231,883
% Change		8.9%		31.2%		3.4%
Professional Services	197,625	800,000	1,000,000	200,000	1,000,000	—
Travel Expenses	1,306	101,200	121,000	19,800	121,100	100
Other Accounts	64,936	98,850	105,200	6,350	105,200	—
Total O&M	5,104,347	6,269,482	8,139,397	1,869,915	8,371,380	231,983
% Change		22.8%		29.8%		2.9%

Totals may not foot due to rounding.

FY 2022/23 BUDGET BY
EXPENDITURE



FY 2023/24 BUDGET BY
EXPENDITURE



PERSONNEL SUMMARY

		2020/21 Actual	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Regular	Total	11	13	17	4	17	—
	O&M	11	13	17	4	17	—
	Capital	—	—	—	—	—	—
Temporary	Total	1	—	1	1	1	—
	O&M	1	—	1	1	1	—
	Capital	—	—	—	—	—	—
Total Personnel	Total	12	13	18	5	18	—
	O&M	12	13	18	5	18	—
	Capital	—	—	—	—	—	—

Totals may not foot due to rounding.

BUDGET HIGHLIGHTS

The Office of the General Manager's O&M Biennial Budget is \$8.1 million in FY 2022/23 and \$8.4 million in FY 2023/24 or an increase of 29.8% and an increase of 2.9% respectively from the prior budget years. The main factors affecting these changes:

- Four positions were transferred in from other groups and one additional district temporary position was added to provide administrative support.
- Salaries and Benefits reflect negotiated labor increases and merit increases for qualified employees.
- Non-labor expenses are increasing by about 23% primarily in the areas of travel and professional services to support additional staff and GM strategic priorities.

The following are the significant changes by budget year:

FY 2022/23

Personnel-related issues

Total personnel count is increasing by 5 FTEs from FY 2021/22. Regular full time positions are increasing by four with the transfer in of 2 positions from Finance, 1 position from WSO and 1 position from WRM. One district temporary position was added to provide administrative support for additional staff.

Salaries and Benefits reflect negotiated labor increases and merit increases for qualified employees.

Professional Services

The budget for professional services is increasing to support GM strategic priorities.

Other

The budget for travel is increasing to support additional staff.

FY 2023/24

Personnel-related issues

Total personnel count remains flat with the FY 2022/23 budget.

Salaries and Benefits reflect negotiated labor increases and merit increases for qualified employees.

Professional Services

The budget for professional services remains flat with the FY 2022/23 budget.

Other

The budget for travel and other O&M remains flat with the FY 2022/23 budget.

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OFFICE OF SUSTAINABILITY, RESILIENCE & INNOVATION

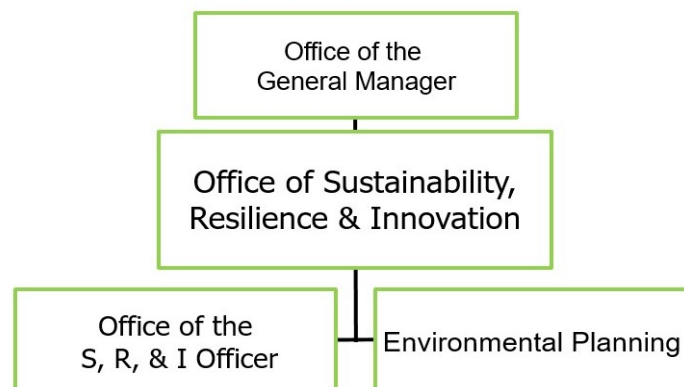
The Office of Sustainability, Resilience & Innovation promotes the successful integration of sustainability, resiliency, and innovation initiatives into all District wide efforts across all departments and with external agencies.

PROGRAMS

Metropolitan's Office of Sustainability, Resilience and Innovation (SRI) was established in 2021. Initial efforts include planning and preparation for the future through innovative and sustainable solutions in collaboration with key stakeholders. Programs will address environmental and infrastructure issues and address the District's approach to environmental responsibility and minimize environmental impact of its activities and operations.

The Office of SRI reviews Metropolitan's planned activities, operational functions, and capital investments to make sure they work toward meeting the goals of reducing Metropolitan's carbon footprint and complies with the Board-adopted climate action plan.

Environmental Planning (EPS) provides expertise for environmentally responsible decision-making and compliance with environmental laws and regulations. EPS ensures Metropolitan activities comply with the California Environmental Quality Act (CEQA); obtains permits or approvals from federal and state environmental regulatory agencies for Metropolitan activities; and participates in management of Metropolitan reserves and coordination with other non-Metropolitan reserve planning efforts.



GOALS AND OBJECTIVES

In FY 2022/23 and FY 2023/24, the Office of Sustainability, Resilience & Innovation will focus on the following key issues and initiatives:

Development of a comprehensive resiliency and sustainability plan and goals for Metropolitan. These plans will define the baseline of current operations and include clear goals, deliverables and metrics that address reductions in greenhouse gas emissions.

The Office of SRI will monitor SRI work across the region and work to build collaborative relationships within Metropolitan and with external environmental advocacy organizations.

The Environmental Planning section will focus on the following key issues and initiatives:

Support Proposed Delta Improvements

Provide environmental and technical services to support long-term Delta solutions to improve water supply reliability and water quality, and protect and enhance Delta ecosystem and associated species.

Provide technical and regulatory support for Metropolitan's Delta Island holdings.

Support Development of Water Supplies and Management of Water Reserves

Provide planning, California Environmental Quality Act/National Environmental Policy Act (CEQA/NEPA), and regulatory support for development of new water supplies, including continued planning support for the proposed Regional Recycled Water Program.

Prepare CEQA/NEPA and environmental permitting documentation for supplemental water supplies and water conservation measures, including support of Local Resources Programs with member agencies.

Provide strategic environmental compliance input and services to obtain supplemental supplies of water through transfers, banking and innovative crop and land management practices.

Climate Action Planning

Convene Climate Working Group responsible for implementation of Metropolitan's Climate Action Plan that mitigates the significant effects of greenhouse gas (GHG) emissions from Metropolitan projects.

Develop and implement web-based GHG monitoring and reporting tools and establish a monitoring schedule.

Continue collaboration with internal Metropolitan groups to implement GHG reduction strategies and verify reductions realized.

Provide annual Board updates on progress towards meeting CAP goals.

Continue to identify and evaluate new GHG reduction strategies for future updates to ensure Metropolitan is meeting its GHG reduction goal.

Regulatory Compliance

Provide timely and professional planning services and CEQA and regulatory support for all capital and O&M projects in an environmentally responsible manner.

Coordinate biennial inspections and prepare annual reports for Metropolitan's operations in compliance with the provisions of the Surface Mining and Reclamation Act (SMARA). Initiate reclamation of five SMARA sites identified for closure.

Provide environmental monitoring support for Desert O&M activities to support refurbishment or replacement of aging infrastructure and urgent repairs resulting from changing climatic conditions.

Support continued monitoring of populations and habitat of the unarmored threespine stickleback fish in compliance with Metropolitan-sponsored legislation (AB 2488) and long-term Endangered Species Act permits for the inspection and maintenance of the Foothill Feeder.

Represent Metropolitan interests and support preparation of environmental documentation for implementation of new operating guidelines on the Lower Colorado River.

Provide federal and state legislative review and identify bills and regulations that should be supported or opposed based on Metropolitan's legislative priorities and policy principles.

Reserve Management

Manage Metropolitan's four large-scale multi-species reserves and participate in several other regional conservation and multi-species reserve programs. Management of these reserves is required to satisfy regulatory requirements for the continued delivery of imported water and the construction and operation of major O&M and capital projects.

Serve as Metropolitan's representative on the Southwestern Riverside County Multi-Species Reserve Management Committee, administer a reserve management agreement with Riverside County Parks (Parks), and actively manage reserve lands to ensure compliance with state and federal permits and multi-agency cooperative management agreements, including the Memorandum of Intent between Metropolitan, Parks, and other members of the Diamond Valley Lake Ad Hoc Committee.

Facilitate collaboration among Metropolitan, Parks, and the Southwestern Riverside County Multi-Species Reserve Management Committee towards implementation of the Trails Plan and construction of multi-use connecting trails between Diamond Valley Lake and Lake Skinner and between the Reserve and the County's Regional Trail System.

Serve as Metropolitan's representative on the Reserve Management Committee for the Lake Mathews Multiple Species Reserve, administer a reserve management agreement with Riverside County Habitat Conservation Agency, and actively manage Lake Mathews reserve lands to ensure compliance with state and federal permits.

Represent Metropolitan on the Orange County Natural Communities Coalition as voting members of the respective governance committees.

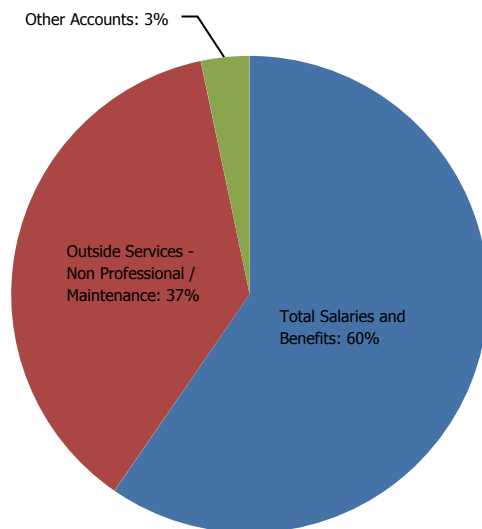
Work collaboratively with Real Property, Engineering Services, and reserve management to facilitate field coordination among stakeholders on issues within the reserves and surrounding areas.

O&M FINANCIAL SUMMARY

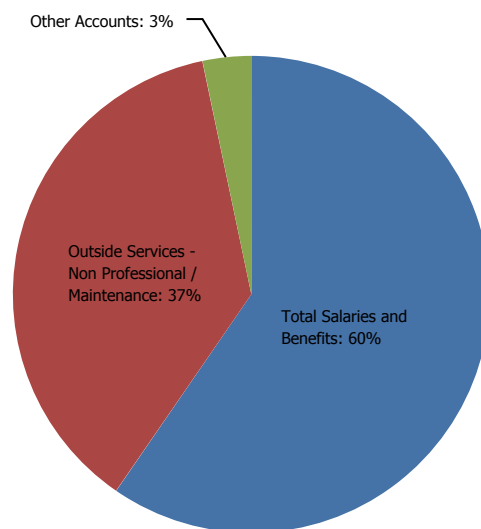
	2020/21 Actual	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Total Salaries and Benefits	4,087,982	5,596,732	6,842,981	1,246,248	7,158,829	315,849
<i>Direct Charges to Capital</i>	<i>(580,185)</i>	<i>(1,255,572)</i>	<i>(692,774)</i>	<i>562,797</i>	<i>(740,603)</i>	<i>(47,829)</i>
Total Salaries and Benefits	3,507,797	4,341,161	6,150,206	1,809,046	6,418,226	268,020
% Change		23.8%		41.7%		4.4%
Professional Services	1,098,670	2,472,200	3,830,000	1,357,800	2,930,000	(900,000)
Other Accounts	61,568	283,412	338,574	55,162	334,574	(4,000)
Total O&M	4,668,035	7,096,773	10,318,780	3,222,008	9,682,800	(635,980)
% Change		52.0%		45.4%		(6.2%)
Operating Equipment	—	—	99,193	99,193	—	(99,193)
Total O&M and Operating Equipment	4,668,035	7,096,773	10,417,973	3,321,200	9,682,800	(735,173)
% Change		52.0%		46.8%		(7.1%)

Totals may not foot due to rounding.

FY 2022/23 BUDGET BY
EXPENDITURE

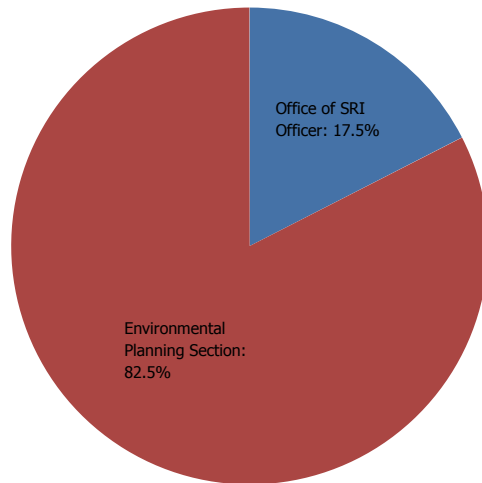


FY 2023/24 BUDGET BY
EXPENDITURE

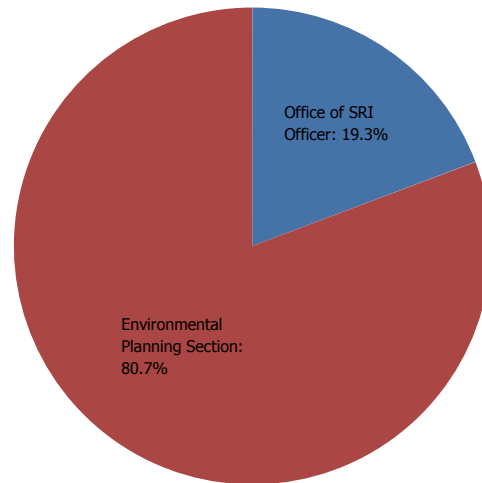


O&M BUDGET BY SECTION

FY 2022/23 BUDGET BY SECTION



FY 2023/24 BUDGET BY SECTION



	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23	Personnel Budget		
						21/22	22/23	23/24
Office of SRI Officer	—	1,804,600	1,804,600	1,866,200	61,700	—	5	5
Environmental Planning Section	7,096,800	8,514,200	1,417,400	7,816,600	(697,600)	15	17	17
Total O&M	7,096,800	10,318,800	3,222,000	9,682,800	(636,000)	15	22	22

Totals may not foot due to rounding.

PERSONNEL SUMMARY

		2020/21 Actual	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Regular	Total	16	20	25	5	25	—
	O&M	14	15	22	7	22	—
	Capital	2	5	3	(2)	3	—
Temporary	Total	—	—	—	—	—	—
	O&M	—	—	—	—	—	—
	Capital	—	—	—	—	—	—
Total Personnel	Total	16	20	25	5	25	—
	O&M	14	15	22	7	22	—
	Capital	2	5	3	(2)	3	—

Totals may not foot due to rounding.

BUDGET HIGHLIGHTS

The Office of Sustainability, Resilience & Innovation's Biennial Budget is \$10.4 million in FY 2022/23 and \$9.7 million in FY 2023/24 or an increase of 46.8% and a decrease of 7.1% respectively from the prior budget years. The increase is due primarily to the following:

- New Office of SRI Officer includes 2 staff transferred over from External Affairs and 3 new positions requested and professional services to support Office's key issues and initiatives.
- Environmental Planning costs are increasing for more stringent and specialized environmental regulatory oversight services for O&M projects throughout Metropolitan's service area.
- Professional services budget for Environmental Planning is increasing due to anticipated environmental consultant support for large programs requiring complex environmental documentation, including the proposed Regional Recycled Water Program and implementation of new operating guidelines on the Lower Colorado River.

FY 2022/23

Personnel-Related Issues

Total personnel count is increasing by 5 regular full-time positions from the FY 2021/22 budget to support the formation of the Office of the Sustainability, Resilience and Innovation Officer. Regular full-time positions for the Environmental Planning section remain flat with FY 2021/22.

Salaries and benefits reflect negotiated labor increases and merit increases for qualified employees.

Professional Services

Professional services includes budget for New Office of SRI Officer and Environmental Planning consultant support for large programs requiring complex environmental documentation, including the proposed Regional Recycled Water Program and implementation of new operating guidelines on the Lower Colorado River.

Other

Environmental Planning memberships & subscriptions are increasing due to a new CCEEB Climate Change Project annual membership. CCEEB's Climate Change Project is heavily involved in shaping Governor Newsom's policy objectives for electrification and the California Air Resources Board's (CARB's) upcoming 2022 Assembly Bill (AB) 32 Scoping Plan Update. Other accounts increasing include travel, training and conferences as well as materials & supplies to support the new Office of the SRI Officer.

FY 2023/24

Personnel-Related Issues

Total personnel count remains flat with the FY 2022/23 budget.

Salaries and benefits reflect negotiated labor increases and merit increases for qualified employees.

Professional Services

Professional services are decreasing due to a decrease in environmental documentation work required for the proposed Regional Recycled Water Program.

Operating Equipment FY 2022/23 & FY 2023/24

Two vehicles are being requested in FY 2022/23. One of the vehicles is a replacement vehicle that will be used by Environmental Planning section staff at Union Station to travel to proposed project field locations/project sites to conduct environmental surveys, construction & environmental monitoring, site visits, and field coordination, and attend meetings with WSO and other Metropolitan personnel. The second vehicles will be used by Environmental Planning section to conduct environmental surveys, environmental/construction monitoring, site visits, and field coordination and attend field meetings at work locations/project sites along the Colorado River Aqueduct, at Desert pump plant facilities, and along associated electrical transmission lines in the Desert.

EQUAL EMPLOYMENT OPPORTUNITY OFFICE

The Equal Employment Opportunity Office is responsible for ensuring a work environment free from discrimination for all Metropolitan employees and job applicants.

PROGRAMS

Metropolitan's Equal Employment Opportunity (EEO) Office was established by the Board in 2021. The EEO Office investigates all EEO complaints and oversees the complaint resolution process to ensure investigations are conducted in a timely, impartial, and independent fashion.

The EEO Officer also directs staff responsible for Affirmative Action, Non-Discrimination and OFCCP

regulatory compliance. The EEO Office develops mitigation policies designed to satisfy complaints and eliminate the possibility of future violations.

The newly established EEO Office should be noted for transparency, impartiality and accountability. The office should be operated independently and free from influence or interference and noted for investigating complaints thoroughly.



GOALS AND OBJECTIVES

In FY 2022/23 the Equal Employment Opportunity Office will focus on the key priorities listed below. Goals will be reviewed and refined for FY 2023/24.

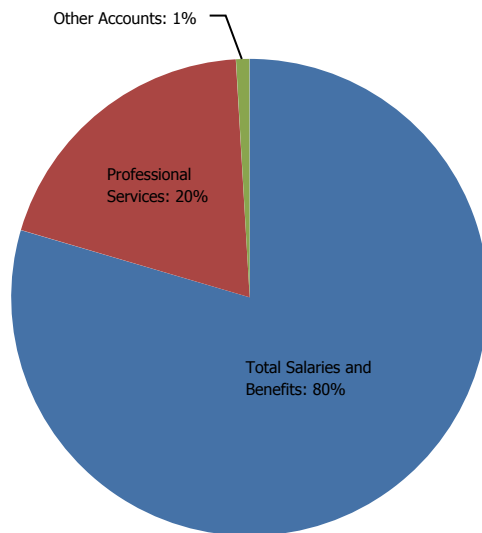
1. Develop a strategic plan and an organizational plan for the newly created EEO Office that is presented to and approved by the Board.
2. Immediately establish the EEO Office in accordance with the approved strategic and organization plan.
3. Oversee the elimination of the backlog of EEO cases and establish new standards for adjudication reducing cycle time.
4. Within the first 6-12 months receive approval and publish new EEO policies and practices to ensure a discrimination free work environment; include a training plan for all employees of Metropolitan.

O&M FINANCIAL SUMMARY

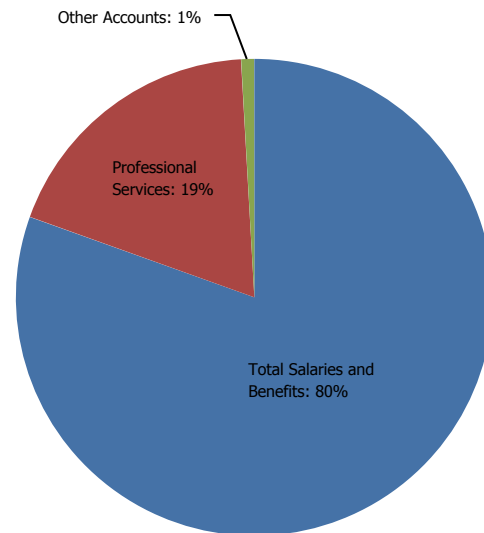
	2020/21 Actual	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Total Salaries and Benefits	—	—	1,629,751	1,629,751	1,727,442	97,691
<i>Direct Charges to Capital</i>	—	—	—	—	—	—
Total Salaries and Benefits	—	—	1,629,751	1,629,751	1,727,442	97,691
% Change		0.0%		100.0%		6.0%
Professional Services	—	—	400,000	400,000	400,000	—
Other Accounts	—	—	18,820	18,820	18,820	—
Total O&M	—	—	2,048,571	2,048,571	2,146,262	97,691
% Change		0.0%		100.0%		4.8%

Totals may not foot due to rounding.

FY 2022/23 BUDGET BY
EXPENDITURE



FY 2023/24 BUDGET BY
EXPENDITURE



PERSONNEL SUMMARY

		2020/21 Actual	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Regular	Total	0	0	6	6	6	—
	O&M	0	0	6	6	6	—
	Capital	—	—	—	—	—	—
Temporary	Total	—	—	—	—	—	—
	O&M	—	—	—	—	—	—
	Capital	—	—	—	—	—	—
Total Personnel	Total	0	0	6	6	6	—
	O&M	0	0	6	6	6	—
	Capital	—	—	—	—	—	—

Totals may not foot due to rounding.

BUDGET HIGHLIGHTS

The Equal Employment Opportunity Office's Biennial Budget is \$2.0 million in FY 2022/23 and \$2.1 million in FY 2023/24 or an increase of 100.0% and an increase of 4.8% respectively from the prior budget years. The increase is due primarily to the following:

- New EEO Office includes 3 staff transferred over from Office of the General Manager and HR and 3 new positions requested.
- Professional services to support Office's key issues and initiatives.

FY 2022/23

Personnel-Related Issues

Total personnel count is increasing by 5 regular full-time positions from the FY 2021/22 budget to support the formation of the EEO Office.

Salaries and benefits reflect negotiated labor increases and merit increases for qualified employees.

Professional Services

Professional services support Office's key issues and initiatives.

Other

Other accounts includes materials & supplies, travel and other expenses necessary to support the EEO Office.

FY 2023/24

Personnel-Related Issues

Total personnel count remains flat with the FY 2022/23 budget.

Salaries and benefits reflect negotiated labor increases and merit increases for qualified employees.

Professional Services

Professional services remain flat with the FY 2023/24 budget.

Other

Other accounts remains flat with the FY 2022/23 budget.

ENGINEERING SERVICES

Engineering Services provides innovative solutions that exceed our partners' expectations as the public-sector's leader for water engineering.

PROGRAMS

Engineering Services performs project management, design, construction management, infrastructure condition assessments, and facility planning; manages Metropolitan's Capital Investment Plan (CIP); and provides on-going operations and maintenance support to other stakeholders and partners within the organization.

Engineering Services accomplishes its mission through the following programs or services to our strategic partners:

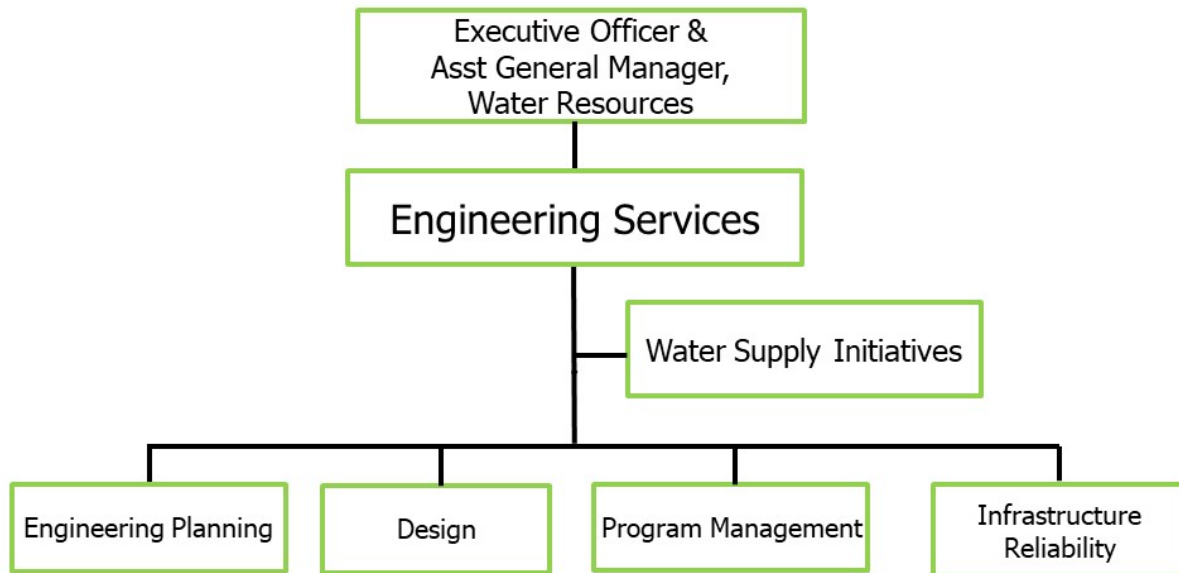
Office of the Group Manager oversees the management of the Engineering Services group by providing strategic leadership on engineering initiatives and core business efforts, to ensure the continued reliability and quality of water deliveries and the safety of Metropolitan's dams. The office also provides technical support for special initiatives including Metropolitan's Regional Recycled Water Program and the Delta conveyance.

Engineering Planning is responsible for the functions of facility planning, dam safety, hydraulic analysis, hydraulic modeling, protection of Metropolitan's substructures, construction contract administration, technical control and oversight of engineering standards, capital project support, business process management and budgeting, and management of Metropolitan's CIP.

Design is responsible for the preparation of technical assessments, conceptual and preliminary designs for new facilities and for rehabilitation of existing facilities, final design drawings and specifications for construction, and technical support during the construction, commissioning, and operation of facilities. Design provides engineering support to support Metropolitan's operations. Design is also responsible for Engineering Services' design technology and Computer Aided Design System (CAD) Electronic Drafting and Design platforms.

Program Management is responsible for the overall planning and delivery of both capital and O&M projects for treatment plants, distribution, conveyance and storage systems, and the Regional Recycled Water Program; and serves as Metropolitan's Owner's Engineer.

Infrastructure Reliability is responsible for the management of construction and procurement contracts, field inspection, soils and concrete testing, and fabrication inspection; field surveying, survey mapping, and protection of right-of-way and property rights; and infrastructure condition assessments, corrosion engineering, and materials engineering.



GOALS AND OBJECTIVES

In FY 2022/23 and FY 2023/24, Engineering Services will focus on the following key areas:

Delta Conveyance

Continue supporting the ongoing activities of the Design and Construction Authority Joint Powers Authority by providing as-needed project management and technical support for the work activities related to the Delta conveyance facilities.

Regional Recycled Water

Provide program management and leadership for development of Metropolitan's Regional Recycled Water Program during the environmental planning phase for the full-scale program in the form of program planning, technical studies, budgeting and collaboration with internal and external program participants and stakeholders.

Successfully perform engineering and technical studies to plan and manage modifications to the Advanced Purification Demonstration Plant. Continue to support opportunities to collaborate with other agencies to enhance local water supplies.

Dam Safety

Ensure the safe and reliable operation of Metropolitan's dams and reservoirs through regular dam inspections and extensive surveillance, comprehensive evaluations of existing dams and appurtenant structures using current design standards, thorough review and inspection of major repair work, and careful planning and coordination of emergency action plans with local agencies. New dam safety initiatives include upgrading instrumentation and use of technology to obtain and present instrumentation results in real-time.

Drought Resilience

Identify, develop and implement solutions to address drought's impact on Metropolitan's ability to deliver water to its member agencies. Initial focus will be on projects to increase supply reliability to portions of Metropolitan's system that exclusively receive State Water Project supplies.

Infrastructure Reliability

Manage and complete board-authorized projects within the CIP to ensure the reliable delivery of water to Metropolitan's member agencies.

Provide engineering and technical services to support the operation and maintenance of Metropolitan's water conveyance, delivery, treatment, and support facilities.

Protect public safety, minimize future costs of infrastructure maintenance and repairs, and avoid unplanned outages by monitoring Metropolitan's facilities and right-of-way, performing essential technical assessments, and implementing modern asset management methods.

CIP Management

Execute capital projects to rehabilitate aging infrastructure, enhance seismic resiliency of key Metropolitan facilities, and maintain system flexibility. High priority programs that will continue during the biennium include the Distribution System Reliability Program and CRA Rehabilitation.

Manage Metropolitan's overall CIP. Coordinate with stakeholders to prioritize project completion and develop asset-management tools. Provide regular updates on projected expenditures to finance and prepare informative quarterly reports illustrating progress on capital projects.

Partner with Water System Operations and other stakeholders to prioritize capital projects to address Metropolitan's short-term needs and long-term objectives, and optimize utilization of internal and external resources.

Continue to identify and implement improvements in project delivery.

Distribution System Reliability

Complete construction of the Orange County Feeder Relining, Etiwanda Pipeline Relining, and Casa Loma Siphon No. 1 Seismic Retrofit. Continue design for the Lake Mathews Forebay Pressure Control Structure and water reliability improvements for the Rialto Pipeline service area.

CRA Rehabilitation

Continue construction to rehabilitate pump house cranes and CRA domestic water treatment systems at all five plants. Complete design to upgrade potable water, industrial water and wastewater lines and replace transformers at each of the five CRA pumping plants. Continue design to rehabilitate the CRA main pumps.

Asset Management

Provide comprehensive engineering support to implement Metropolitan's Asset Management Strategy to effectively develop, operate, assess, upgrade, and dispose Metropolitan assets through the entire lifecycle. This effort will establish a consistent and unified framework for condition assessment and risk management, develop tools to facilitate the process, and prioritize asset acquisition, replacement, and rehabilitation to build a reliable infrastructure that is sustainable and resilient.

Hazard Mitigation Planning and Grant Funding

Develop a comprehensive Hazard Mitigation Plan to assess the overall risk of Metropolitan's infrastructure to damage caused by natural hazards (e.g., seismic, fire, flooding, climate change), and use the plan as the basis to develop mitigation projects and actions. Based on the Hazard Mitigation Plan approved by the state and federal agencies, staff will research, pursue, administer, and manage state and federal grants and loans to implement the identified mitigation projects and actions. Potential projects include Regional Recycled Water Program, drought-related improvements, seismic upgrade projects and measures to improve system flexibility.

Sustainability and Innovation

Develop strategies for, and identify opportunities to implement sustainable energy practices in CIP projects. Key focus areas include renewable energy, energy storage such as battery storage systems, energy efficiency improvements, optimization of water operations, and greenhouse gas reductions. Collaborate with Metropolitan's new Sustainability, Resiliency, and Innovation office.

Develop a sustainable infrastructure program within Engineering Services and take concrete steps to implement sustainable practices early in the planning and design phases of projects, while continuing to leverage technologies to facilitate optimal project delivery and engineering processes in addition to preserving institutional knowledge and achieving efficiencies.

System Flexibility

In response to the updated IRP, conduct a system flexibility study to evaluate the impact of outages on water delivery to member agencies and identify opportunities for system improvements and interconnections to increase resilience and improve flexibility. The study will also address impacts on the system due to seismic vulnerabilities and develop mitigation measures.

Employee Development

Develop a workforce for the future by actively maintaining and leading workforce development and succession planning activities to develop and maintain technical expertise and skills needed in the future to ensure infrastructure reliability, meet regulations, respond to emergencies, and support Metropolitan initiatives.

Empower employees to optimize procedures for routine activities and develop innovative solutions to address Metropolitan's challenges.

Actively foster open discussions to enhance workplace diversity, equity, and inclusion.

Partnership and Collaboration

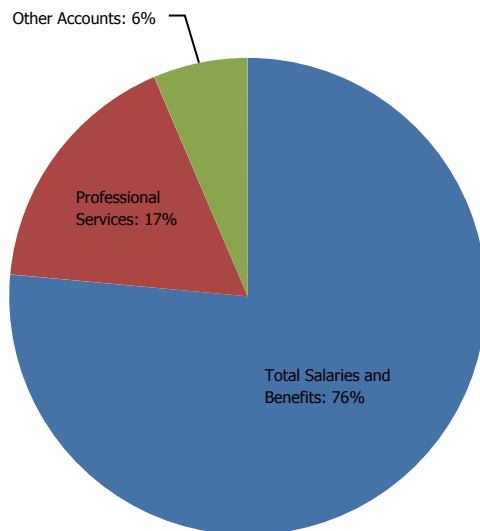
Lead ongoing communications and new initiatives to enhance partnership and collaboration between Engineering Services and WSO, to provide the best practical solutions for Metropolitan.

O&M FINANCIAL SUMMARY

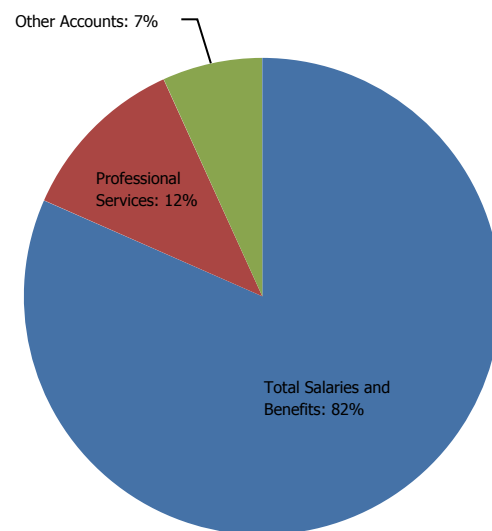
	2020/21 Actual	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Total Salaries and Benefits	84,880,232	91,723,905	91,574,277	(149,628)	95,026,524	3,452,246
<i>Direct Charges to Capital</i>	<i>(49,394,766)</i>	<i>(53,066,641)</i>	<i>(52,710,975)</i>	<i>355,666</i>	<i>(54,748,944)</i>	<i>(2,037,969)</i>
Total Salaries and Benefits	35,485,466	38,657,264	38,863,302	206,038	40,277,580	1,414,277
% Change		8.9%		0.5%		3.6%
Materials & Supplies	659,369	769,700	1,193,700	424,000	1,237,000	43,300
Professional Services	2,519,415	8,040,300	8,698,300	658,000	5,732,400	(2,965,900)
Taxes & Permits	508,055	957,000	957,000	—	957,000	0
Other Accounts	1,116,539	920,900	1,105,400	184,500	1,154,600	49,200
Total O&M	40,288,843	49,345,164	50,817,702	1,472,538	49,358,580	(1,459,123)
% Change		22.5%		3.0%		(2.9%)
Operating Equipment	609,403	569,800	752,436	182,636	544,112	(208,324)
Total O&M and Operating Equipment	40,898,247	49,914,964	51,570,138	1,655,174	49,902,692	(1,667,447)
% Change		22.0%		3.3%		(3.2%)

Totals may not foot due to rounding.

FY 2022/23 BUDGET BY
EXPENDITURE

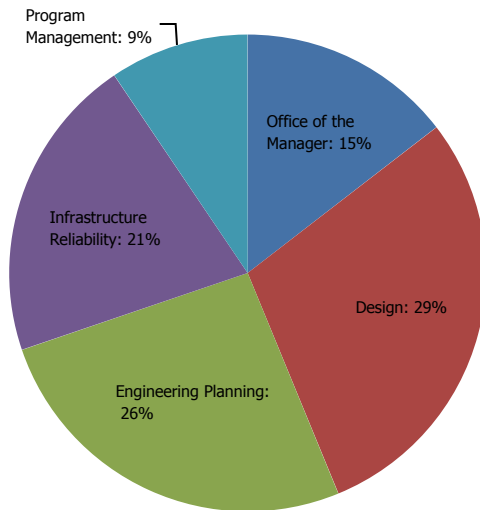


FY 2023/24 BUDGET BY
EXPENDITURE

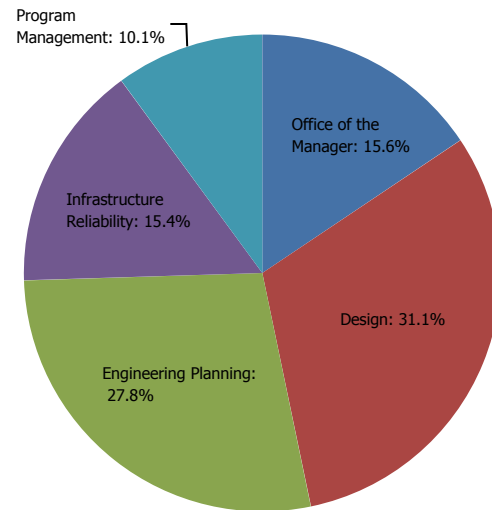


O&M BUDGET BY SECTION

FY 2022/23 BUDGET BY SECTION



FY 2023/24 BUDGET BY SECTION



	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23	Personnel Budget		
						21/22	22/23	23/24
Office of the Manager	6,590,300	7,388,900	798,600	7,707,800	318,800	20	25	25
Design	11,805,100	14,864,400	3,059,300	15,363,800	499,400	42	44	44
Engineering Planning	12,634,900	13,211,600	576,700	13,707,200	495,600	51	51	51
Infrastructure Reliability	14,535,700	10,556,400	(3,979,200)	7,612,900	(2,943,500)	12	10	10
Program Management	3,779,200	4,796,400	1,017,100	4,966,900	170,600	13	16	16
Total O&M	49,345,200	50,817,700	1,472,500	49,358,600	(1,459,100)	139	146	146

Note – Totals may not foot due to rounding.

PERSONNEL SUMMARY

		2020/21 Actual	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Regular	Total	338	355	355	—	355	—
	O&M	139	139	146	7	146	—
	Capital	199	217	209	(7)	209	—
Temporary	Total	1	—	—	—	—	—
	O&M	—	—	—	—	—	—
	Capital	1	—	—	—	—	—
Total Personnel	Total	339	355	355	—	355	—
	O&M	139	139	146	7	146	—
	Capital	200	217	209	(7)	209	—

Totals may not foot due to rounding.

BUDGET HIGHLIGHTS

Engineering Services' O&M and Operating Equipment Biennial Budget is \$51.6 million in FY 2022/23 and \$49.9 million in FY 2023/24 or an increase of 3.3% and a decrease of 3.2%, respectively from the prior year budgets. These increases are primarily due to the following factors:

- Salaries and benefits reflect negotiated increases, and technical support for the Regional Recycled Water Program (RRWP) environmental planning phase and innovation and sustainability initiatives.
- Professional services reflects specialized technical support for the RRWP, long-term planning efforts for facility planning (e.g., seismic resilience; vulnerability, reliability and flexibility studies; hazard mitigation planning; etc.), and innovation and sustainability efforts.
- Materials and supplies reflect an increase in software licenses and maintenance fees, addition of new software, and upgrades to existing software.
- Communication expenses reflect an increase in telecommunication and general iPad costs.
- Equipment expensed reflects replacement and upgrades to field office equipment.

The following are the significant changes by budget year:

FY 2022/23

Personnel–Related Issues

Total personnel levels remain flat at 355 individuals which is consistent with the previous fiscal year. However, the O&M and capital staffing complement differs from the FY 2021/22 budget. This change is primarily due to increased support for the environmental planning phase of the RRWP and innovation and sustainability initiatives, thereby resulting in a shift of staff from capital work to O&M in FY 2022/23.

Planned capital spending for FY 2022/23 is estimated to increase by \$50 million with a district-wide capital budget estimated to be approximately \$300 million (see details in CIP Appendix). Planned spending reflects project budgets and schedules to meet Metropolitan's overall biennial budgetary goals. High priority programs that will continue during the fiscal year include the System Flexibility/Supply Reliability Program, which includes drought projects; the Prestressed Concrete Cylinder Pipe (PCCP) Rehabilitation Program; the Colorado River Aqueduct (CRA) Reliability Program; the Distribution System Reliability Program; and the Right of Way and Infrastructure Protection Program.

Salaries & Benefits

Salaries and benefits reflect negotiated labor increases and merit increases for qualified employees.

Professional Services

The budget primarily reflects an increase for innovation and sustainability initiatives, and long-term facility planning efforts including seismic resilience, hazard mitigation, and system vulnerability, reliability, and flexibility support.

Materials and Supplies

The budget reflects an increase in software licenses and maintenance costs (e.g., Bentley ProjectWise), the addition of new softwares (e.g., BIM, InVizion), and upgrade to existing softwares (e.g., Bluebeam, Adobe Acrobat).

Other

Other non-labor budget reflects replacement and upgrades to field equipment (e.g., gauges, survey levels, meters and monitors), increases in telecommunication and iPad costs, and increasing costs for various county fees (e.g., survey mapping reviews, parcel and record of survey).

FY 2023/24

Personnel-related issues

Total personnel count remains flat at 355 individuals from FY 2022/23.

Planned capital spending for FY 2023/24 will remain steady with a district-wide capital budget estimated to be approximately \$300 million (see details in CIP Appendix).

Salaries & Benefits

Salaries and benefits reflect negotiated labor increases and merit increases for qualified employees.

Professional Services

The budget reflects a decrease in level of support for the environmental planning phase of the RRWP.

Materials and Supplies

The budget reflects an increase in software maintenance fees.

Other

The budget reflects technical training planned for RRWP staff; conference participation by staff, especially showcasing technical papers and presentations; and anticipated increases for the Underground Service Alert.

Operating Equipment – FY 2022/23 and FY 2023/24

The operating equipment budget reflects an increase in FY 2022/23 from the prior budget year primarily due to the replacement of aging vehicles, and various equipment for corrosion engineering. In FY 2023/24, the budget reflects ongoing replacement of aging vehicles.

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WATER RESOURCE MANAGEMENT

Water Resource Management (WRM) plans, secures, and manages water resources to provide its member agencies with a reliable, cost-effective, and drought and climate-resilient water supply.

PROGRAMS

Water Resource Management manages imported water supplies; advances water-use efficiency; provides supply and demand forecasts foundational for long-term resource planning; and develops and implements timely resource programs and projects.

In addition, Water Resource Management assists member agencies in optimizing local resources to benefit the entire Metropolitan service area, and ensures Metropolitan receives a fair return on contractual investments in local and imported resources.

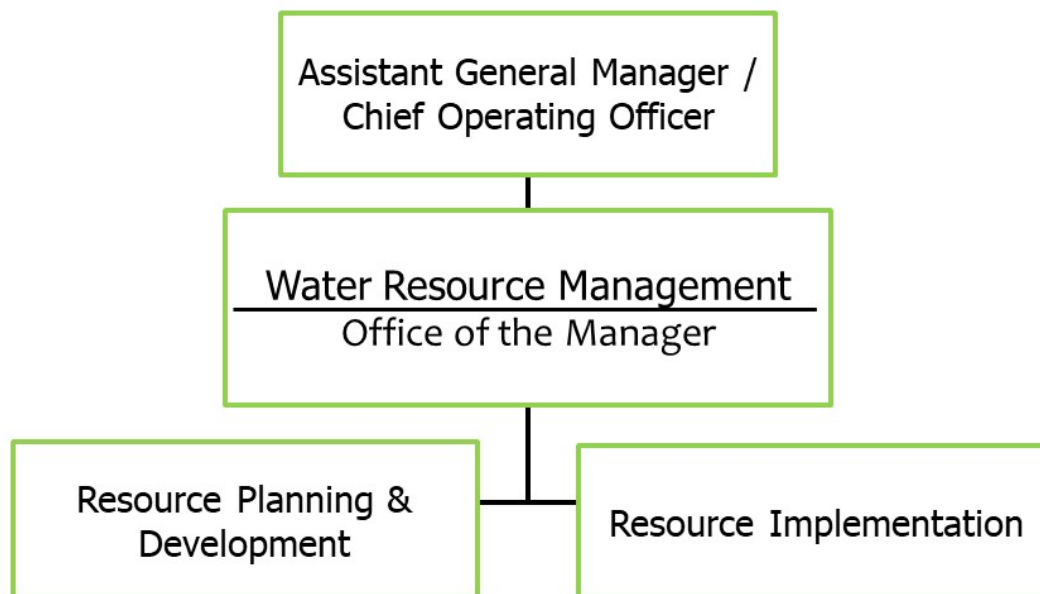
Water Resource Management accomplishes its mission through the following programs or sections:

Office of the Manager directs the group's efforts in planning, securing, and managing Metropolitan's water resources; monitors and tracks the group's business plan, financial and budgetary initiatives; and provides administrative and business process support.

Resource Planning & Development is responsible for providing technical and policy planning that will meet the needs of member agencies. Integrated water supply and demand planning reflects long-range planning efforts for local supplies and sets the foundation for Metropolitan's resource investments and programs needed to meet demands. This section supports the

development of resource programs, projects, and infrastructure to meet projected resource targets; administers regional planning processes; defines strategies for meeting service area water needs, including the Integrated Water Resources Plan (IRP), Water Surplus and Drought Management (WSDM) plan and Urban Water Management Plan (UWMP); and develops resource options, such as groundwater conjunctive use, regional recycling, stormwater and seawater desalination; as well as alternatives for short-range planning and implementation through joint action with Water System Operations.

Resource Implementation develops and administers water resource programs and contracts, and pursues application of new technologies and innovations. These activities focus on the Colorado River, State Water Project, water transfers, water recycling, groundwater recovery, and water conservation for the region. The Resource Implementation Section also monitors and responds to regulatory, legislative, and operational activities that may influence Metropolitan's water rights and benefits related to the quality, reliability and cost of water.



GOALS AND OBJECTIVES

In FY 2022/23 and FY 2023/24, WRM will focus on the following key issues:

Colorado River

Actively participate in negotiations of Colorado River system operations.

Protect Colorado River resources, Metropolitan's Colorado River rights, and optimize the use of available Colorado River water.

Participate in the Colorado River Salinity Control Forum and facilitate salinity management projects and other actions that protect and improve source water quality.

Partner with other Colorado River water delivery contractors to develop new Metropolitan supplies, including interstate and international water supply programs.

Administer Imperial Irrigation District (IID), Palo Verde Irrigation District (PVID), and proposed Bard Irrigation District agricultural conservation programs.

Work with representatives of the International Boundary and Water Commission and United States Bureau of Reclamation (USBR) to continue implementation of Minute 323 and coordinate emergency deliveries for Tijuana.

Administer contracts with Colorado River entities to make full use of Metropolitan's supplies developed from Colorado River resources. Manage intentionally created surplus supplies to ensure maximum benefit to Metropolitan.

Develop strategies and tools for managing agricultural land holdings in the Palo Verde Valley.

Groundwater Storage Program

Manage nine approved conjunctive use programs to store water for dry-year yield.

Facilitate dialogue among agencies in groundwater management, recycled water production, and stormwater and flood management to enhance groundwater basin recharge.

Legislative Review

Continue to review and provide comments and inform member agencies on proposed state and federal legislation on water resources issues related to Metropolitan's mission and WRM functions.

Regional Resources and Water Conservation

Actively participate in the development of water use objectives and water shortage assessments as part of California's Conservation as a Way of Life legislative package.

Pursue grant funding to supplement implementation of regional water conservation program initiatives.

Participate in local, state, and national activities leading to expanded use of recycled water and increased water-use efficiency.

Administer agreements that provide incentives for conservation, recycled water, recovered groundwater production, and support development of local resource development projects.

Conduct and fund research to advance local supply development and conservation program effectiveness.

Administer the Future Supply Actions Funding program to remove barriers to local supply production.

Implement stormwater pilot programs with the member agencies to evaluate Metropolitan's participation in stormwater projects.

Develop programs to improve water conservation in disadvantaged communities.

Seawater Desalination

Continue to support member agency development efforts and actively participate in CalDesal regulatory and legislative initiatives.

State Water Project

Closely coordinate with DWR to respond to current severe drought and to improve the reliability of the SWP.

Coordinate implementation of SWP contract amendments including the SWP contract extension, water management amendment and proposed Delta conveyance facility amendment. These contract amendments will ensure a long-term supply, and effective water management tools to manage the supply and reliability into the future.

Ensure accurate billings and influence sound financial decisions by DWR, including effective DWR energy management practices with regard to renewable energy, emissions reductions, transmission strategies, and energy acquisitions.

Continue to identify and resolve disputed charges related to annual SWP billings.

Protect SWP water, power, and financial positions under the Oroville Federal Energy Regulatory Commission (FERC) relicensing process as well as associated litigation and upcoming FERC relicensing and several DWR facilities in Southern California.

Coordinate and influence decisions for major facility rehabilitations and SWP capital projects to ensure cost-effective and reliable water supply, energy generation, and use.

Promote water quality monitoring and forecasting activities through the Municipal Water Quality Investigations program and raise awareness of potential water quality impacts from operational decisions.

Water Supply and System Planning

Based on the Board-adopted findings of the 2020 IRP Regional Needs Assessment, collaboratively engage with the member agencies and stakeholders to develop and complete the IRP implementation plan.

Develop Metropolitan's long-term water resources strategy to respond to the IRP Regional Needs Assessment and Severe Drought Assessment on the State Water Project.

Complete the annual reports on Metropolitan's achievements in conservation, recycling, and groundwater recharge and Annual Water Supply Assessment.

Complete the annual forecast of Metropolitan demands to support revenue requirements and budget process.

Develop a comprehensive analysis of Metropolitan's distribution system. Identify potential spatial constraints and system improvements to reliably deliver water to member agencies during peak demands, drought, and emergency conditions.

Update emergency storage objective for in-basin protection from earthquake or other outage with information from IRP needs assessment.

Continue to develop the full-scale Regional Recycled Water Program to increase water reuse and enhance opportunities for groundwater recharge within Metropolitan's service area.

Upgrade and enhance planning tools, such as computer models for demand forecasting, resource program evaluation, and distribution system.

Participate in state water/energy nexus processes and data access initiatives.

Continue to collaborate with various agencies and stakeholders in statewide and regional water resource planning efforts, such as the California Water Plan Updates and the Integrated Regional Water Management Plans.

Continue work with the Water Utility Climate Alliance to perform case studies on climate data applications to water resources planning.

Continue to administer agreements in the area of supply development including Future Supply Actions and Stormwater for Recharge Pilot.

Water Transfers, Exchanges, and Storage Programs

Continue to manage existing water transfer, exchange, and storage programs along the California Aqueduct and Colorado River Aqueduct.

Continue to evaluate the need for additional reliability by either developing new programs or modifying existing programs. Pursue additional water transfers, exchanges, and storage programs as needed.

Work with other State Water Contractors on a long-term water transfer permitting process.

Workforce Development & Succession Planning

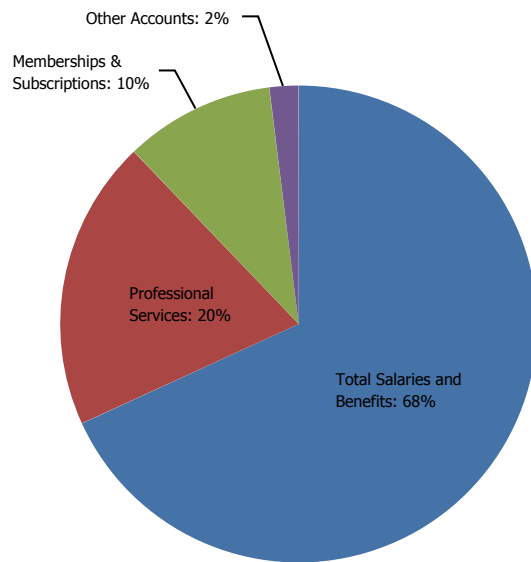
Continue to develop staff expertise in critical areas to prepare for employee retirements or departures.

O&M FINANCIAL SUMMARY

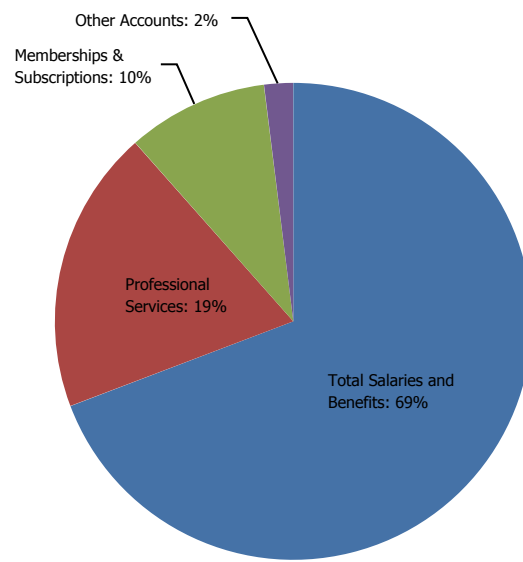
	2020/21 Actual	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Total Salaries and Benefits	16,718,978	17,823,670	17,660,263	(163,407)	18,401,769	741,506
<i>Direct Charges to Capital</i>	(3,122)	—	—	—	—	—
Total Salaries and Benefits	16,715,857	17,823,670	17,660,263	(163,407)	18,401,769	741,506
% Change		6.6%		(0.9%)		4.2%
Memberships & Subscriptions	4,465,373	5,069,647	5,106,239	36,592	5,116,436	10,197
Professional Services	1,663,857	2,012,500	2,632,800	620,300	2,542,600	(90,200)
Other Accounts	141,530	440,415	509,522	69,107	521,179	11,657
Total O&M	22,986,617	25,346,232	25,908,824	562,592	26,581,984	673,160
% Change		10.3%		2.2%		2.6%

Totals may not foot due to rounding.

FY 2022/23 BUDGET BY EXPENDITURE

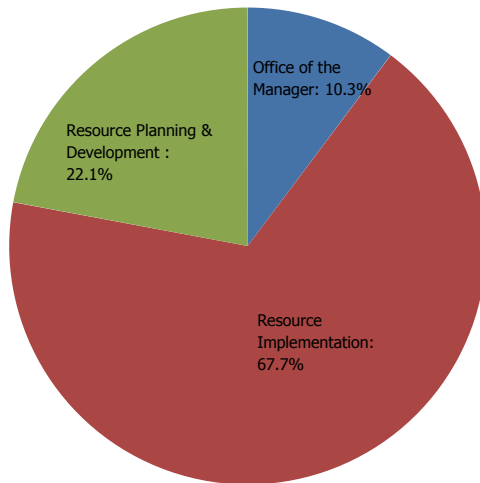


FY 2023/24 BUDGET BY EXPENDITURE

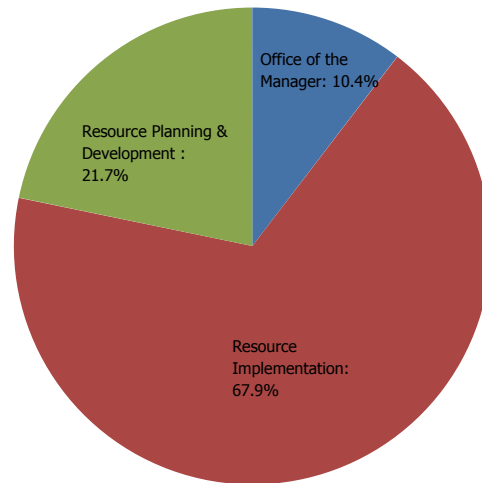


O&M BUDGET BY SECTION

FY 2022/23 BUDGET BY SECTION



FY 2023/24 BUDGET BY SECTION



	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23	Personnel Budget		
						21/22	22/23	23/24
Office of the Manager	2,818,400	2,656,700	(161,700)	2,766,600	109,900	12	11	11
Resource Implementation	17,202,600	17,538,800	336,200	18,036,400	497,600	41	43	43
Resource Planning & Development	5,325,200	5,713,300	388,100	5,779,000	65,700	18	17	17
Total O&M	25,346,200	25,908,800	562,600	26,582,000	673,200	70	71	71

Note – Totals may not foot due to rounding.

PERSONNEL SUMMARY

		2020/21 Actual	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Regular	Total	63	68	68	—	68	—
	O&M	63	68	68	—	68	—
	Capital	—	—	—	—	—	—
Temporary	Total	1	2	3	1	3	—
	O&M	1	2	3	1	3	—
	Capital	—	—	—	—	—	—
Total Personnel	Total	64	70	71	1	71	—
	O&M	64	70	71	1	71	—
	Capital	—	—	—	—	—	—

Totals may not foot due to rounding.

BUDGET HIGHLIGHTS

WRM's Biennial Budget is \$25.9 million in FY 2022/23 and \$26.6 million in FY 2023/24 or an increase of 2.6% and an increase of 2.2%, respectively from the prior budget years. The main factors affecting these changes:

- The decrease in salaries and benefits in FY 2022/23 assists in the offset of the increases in Professional Services, Memberships and Subscriptions, and Sponsorships in the same year, as detailed below.
- The 0.4% total O&M budget increase in FY 2023/24 is due to salaries and benefits increases and offset by a large reduction in Professional Services due to the completion of software upgrades in FY 2022/23.

The following are the significant changes by budget year:

FY 2022/23

Personnel–Related Issues

Regular full time positions remain flat. District temporary positions are increasing by one FTE to assist with records management, document offsite recording and storage, as well as processing of invoices and process documentation.

Salaries and benefits reflect negotiated labor increases and merit increases for qualified employees. These increases are offset by vacancies filled at lower level job classifications.

Professional Services

The budget reflects an increase for critical IRP Sims Software updating in support of the IRP, consulting for One Water Implementation, critical SharePoint workflow updates, as well as scheduled fee increases to current agreements.

Memberships and Subscriptions

The budget is increasing as the result of the Water Utility Climate Alliance (WUCA) membership and the membership for the California Water Data Consortium.

Other

The budget reflects an increase in sponsorships for the Board requested California Resilience Challenge, offset by an anticipated reduction in travel, training and seminars, and conferences and meetings.

FY 2023/24

Personnel–Related Issues

Personnel count remains flat.

Salaries and benefits reflect negotiated labor increases and merit increases for qualified employees.

Professional Services

Budget reflects slight decrease due to IT consulting finalized in FY 2022/23.

Memberships and Subscriptions

The budget reflects an inflationary increase for WaterReuse and Six Agency dues.

Other

The budget reflects a 5% decrease in Materials and Supplies and an 18% increase in Travel expenses due to the expectation of business travel returning to pre-pandemic levels.

BAY DELTA INITIATIVES

Bay Delta Initiatives advances Delta improvements and the pursuit of the best scientific research to protect and restore fish, wildlife, and the Delta's ecosystem to ensure water supply reliability.

PROGRAMS

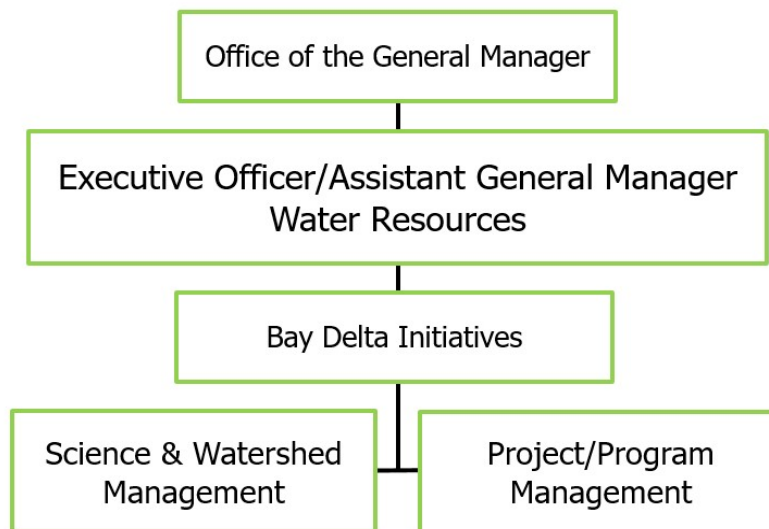
Bay Delta Initiatives (BDI) spearheads efforts toward advancement of the State's Proposed Delta Improvements, including the Delta Conveyance Project and EcoRestore and the pursuit of scientific research to protect and restore fish, wildlife, and the Delta's ecosystem while ensuring water supply reliability.

Office of the Bay Delta Initiatives Manager includes the Science and Watershed Management Section and Project/Program Management Section. BDI's Manager provides strategic leadership by ensuring the implementation of the organization's core business efforts and strategic objectives.

Science & Watershed Management Section is responsible for management of BDI's science program, support activities within Bay-Delta's watershed, continue engagement with the

planning process for the proposed Delta Conveyance Project including the Delta Conveyance Design and Construction Authority (DCA), Finance Joint Powers Authority, Department of Water Resources (DWR), and the State Water Contractors and policy/regulatory support.

Project/Program Management Section leads the implementation of strategic planning on Delta Island future land use including identifying habitat opportunities, sustainable agriculture and ecosystem health and restoration on Metropolitan's Delta Islands, participates in the planning process for the proposed Sites reservoir, manages the organization's budget and financial reporting, contract administration and general administration, and provides oversight of business plans, monthly reports, annual report, and board support.



GOALS AND OBJECTIVES

In FY 2022/23 and FY 2023/24, BDI will focus on the following key issues:

Delta Conveyance and EcoRestore

Continue review and participation with the DWR for planning and environmental documentation including the Environmental Impact Report (EIR) under the California Environmental Quality Act (CEQA) and key informational webinars, outreach and technical information provided to the public.

Support DWR planning to advance development of Biological Assessment with Fishery Agencies and provide coordination as necessary.

Collaborate with the DCA, and DWR on public outreach content and education.

Provide support on various habitat restoration projects that promote the goals of California EcoRestore.

Science Development

Advance collaborative science through research and studies addressing the protection of endangered species, management of fish and wildlife species, management of stressors, and the improvement and protection of ecosystem habitat throughout the Delta ecosystem.

Continue to participate in the Bay-Delta science community by providing input to the Collaborative Science and Adaptive Management Program, including supporting the Collaborative Adaptive Management Team.

Develop manuscripts reporting on scientific research supported by Metropolitan for publication in peer-reviewed publications; conduct presentations at workshops, symposiums and conferences to advance new scientific findings.

Provide input in the review of technical work products, workplan development, and discussion of relevant issues that may influence key Delta regulations and policies.

Collaborate on scientific research for selected pilot projects using Metropolitan's Delta Islands.

Regulatory, Planning, and Legislative Support

Provide analysis of key regulations and legislation that may influence State Water Project (SWP) supply reliability, Bay Delta water quality and environmental health.

Monitor and analyze legislations, coordinate with Legal on key topics that intersect with regulations, policies and operations.

Provide coordination between Metropolitan and SWP permitting processes including but not limited to implementation, revisions and/or new permits such as Incidental Take Permits, Biological Opinions, Temporary Urgency Change Petitions and other key water rights etc.

Provide policy and technical support for the processes related to State and Federal Endangered Species Act permitting for the State Water Project.

Sites Reservoir

Continue review and participation with the Sites Joint Powers Authority in the planning, modeling and environmental documentation development for the proposed Sites Reservoir Project.

Continue discussions with federal and state regulatory agencies regarding project impacts and benefits.

Continue discussions with federal and state project operators regarding coordinated operation agreements.

Review and comment on draft documents including: revised environmental impact report, Proposition 1 feasibility report, and biological assessment to be submitted to US Fish & Wildlife Service and National Marine Fishery Service.

Delta Islands Management

Implement the California Department of Fish and Wildlife grant for the "Analysis of Opportunities for Island-wide Improvements that includes a Mosaic of Multiple Land Uses for Subsidence Reversal, Sustainable Agricultural Practices, Carbon

Sequestration, Water Quality, and Habitat Restoration.

Work with the Reclamation Districts (RD) in implementing DWR grant-funded levee improvement projects on Bouldin and Bacon Islands, developing a regional emergency flood fight supply depot on Bouldin Island, and finalizing the 5-year Levee Improvement Plans.

Continue routine patrol of all four properties, identify and repair levee cracks, monitor active seepage areas, coordinate the removal of unoccupied structures and installation of electronic gates.

Work with Engineering in completing the bidding process and award of construction contract for completion of the final phase for the installation of additional meters for full compliance of Senate Bill 88.

Initiate preliminary design for the replacement of aging pump stations.

Manage the Delta Islands Emergency Response Team for flood/emergency situation updates.

Levee Monitoring and Freshwater Pathway

Continue scientific field investigations and surveys related to levee monitoring and instrumentation pilot project. Manage the pilot projects related to finding nutria with scent detection dogs, testing subsurface techniques and instruments for levee anomalies.

Collaborate with the Delta RD engineering firms for final draft levee monitoring and instrumentation report comments and review, present the draft to management for direction and implementation.

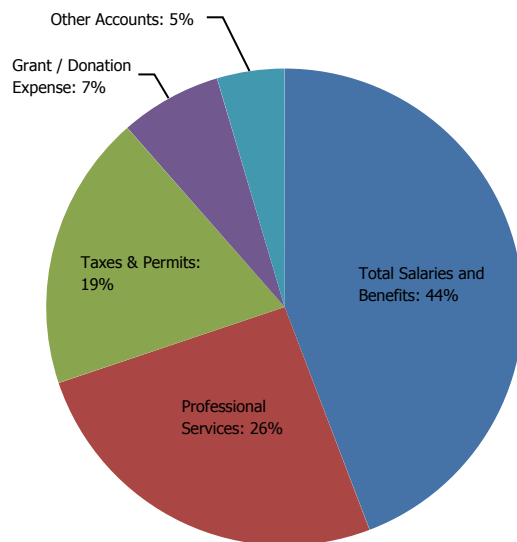
Work with local RD engineering firms to draft a revised levee standard that incorporates seismic, sea level rise and habitat elements.

O&M FINANCIAL SUMMARY

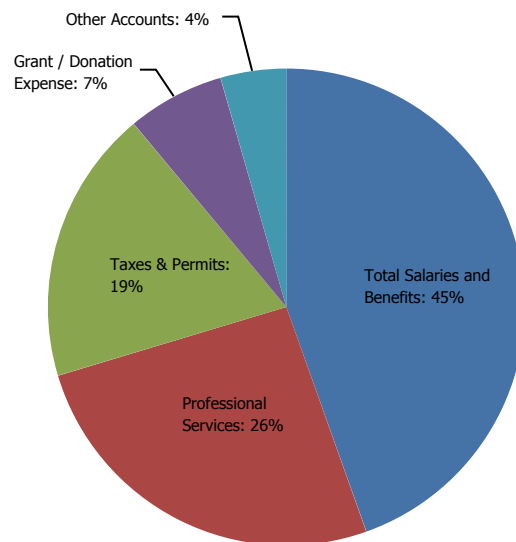
	2020/21 Actual	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Total Salaries and Benefits	4,973,237	5,542,239	5,587,446	45,207	5,797,614	210,169
<i>Direct Charges to Capital</i>	<i>(15,894)</i>	<i>0</i>	<i>(61,786)</i>	<i>(61,786)</i>	<i>(63,658)</i>	<i>(1,872)</i>
Total Salaries and Benefits	4,957,344	5,542,239	5,525,660	(16,579)	5,733,957	208,297
% Change		11.8%		(0.3%)		3.8%
Grant / Donation Expense	916,837	714,734	860,000	145,266	850,000	(10,000)
Professional Services	2,433,297	2,883,216	3,205,000	321,784	3,320,000	115,000
Taxes & Permits	315	—	2,336,467	2,336,467	2,391,561	55,094
Other Accounts	65,895	569,237	572,309	3,072	572,406	97
Total O&M	8,373,688	9,709,426	12,499,436	2,790,010	12,867,924	368,488
% Change		16.0%		28.7%		2.9%

Totals may not foot due to rounding.

FY 2022/23 BUDGET BY
EXPENDITURE



FY 2023/24 BUDGET BY
EXPENDITURE



PERSONNEL SUMMARY

		2020/21 Actual	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Regular	Total	15	17	16	(1)	16	—
	O&M	15	17	16	(1)	16	—
	Capital	—	—	—	—	—	—
Temporary	Total	—	—	2	2	2	—
	O&M	—	—	2	2	2	—
	Capital	—	—	—	—	—	—
Total Personnel	Total	15	17	18	1	18	—
	O&M	15	17	18	1	18	—
	Capital	—	—	—	—	—	—

Totals may not foot due to rounding.

BUDGET HIGHLIGHTS

The Bay Delta Initiatives' O&M Biennial Budget is \$12.5 million in FY 2022/23 and \$12.9 million in FY 2023/24 or an increase of 28.7% and an increase of 2.9% respectively from the prior budget years. The main factors affecting these changes:

- Changes to BDI staffing from prior budget years include staff promotions and transfer of a staff to the Office of the General Manager, who was not replaced. Some of the variances from promotions and position upgrades were offset by the downgrade of some positions. Budgets for FY 2022/23 and FY 2023/24 include allocations for three interns and a District Temp.
- Professional services cover allocations intended for consultants that will provide professional and technical expertise on Sacramento-San Joaquin Bay Delta (Bay-Delta) issues professional and technical expertise.
- Grant expense or cost shares for studies in collaboration with various agencies and academic institutions reflect an increase in funding to allow continuous advancement of efforts on collaborative science.
- Repairs and Maintenance (Outside Services) includes budget transfer from Real Property since BDI is mainly responsible for overseeing these activities for the Delta Islands.
- Taxes and Permits is a budget transfer from Real Property since BDI is primarily responsible for closely coordinating with the RDs and overseeing the operations of the Delta Islands. The budget covers allocations for RD Assessments for the Delta Islands. The budget for Property Taxes will remain with Real Property.

The following are the significant changes by budget year.

FY 2022/23

Personnel–related issues

Total regular personnel count was reduced by 1 FTE due to the transfer of a staff with 16 regular staff remaining. Three interns and a District Temp are added to the labor budget for this year,

Capital labor is budgeted at 20% of one regular FTE for the Delta Islands regulatory compliance project (Senate Bill 88), replacement of pump stations, and implementation of the Delta smelt and native species preservation project.

Salaries and Benefits reflect merit increases for qualified employees.

Professional Services

Professional Services budget reflect an increase due to scientific studies and pilot projects that are anticipated to ramp up with interests and partnerships with various agencies. Studies that are anticipated to be pursued may include eDNA monitoring, various Delta smelt studies, GIS/mapping data management, water supply and quality modeling, Delta smelt and native species preservation study, regenerative agriculture, floating wetlands research and others. The Professional Services budget also includes allocations for consultants involved in emergency preparedness, water reliability planning, and various other land management alternatives for the Delta Islands.

Grant Expense

The grant-related expense budget is for Metropolitan's cost share contributions under collaborative partnerships with other agencies, and academic institutions that pursue studies that are of interest to Metropolitan.

The increase in grant/donation expenses is due to new scientific studies that staff plan to pursue in collaboration with partners that also provide cost shares. Studies that are planned to be implemented include those related to Delta smelt, habitat needs for listed fish, predation on juvenile salmon, and other studies that pursue scientific research

addressing effectiveness of management actions, impacts of stressors, and development of innovative technologies.

Travel Expenses

Decrease in budget is due to the retirement of a staff that used to travel weekly between Los Angeles and Sacramento. BDI also anticipates less travel requirements for meetings that can now be effectively conducted through virtual technology.-

Repairs & Maintenance (Outside Services)

The budget for this account is transferred from Real Property since BDI is mainly responsible for overseeing the operations and maintenance of the Delta Islands. The Repairs and Maintenance shall cover costs related to various structures and infrastructures in the islands to ensure safety and proper operations of facilities.

Taxes & Permits

The budget for Taxes and Permits is transferred from Real Property since BDI is mainly responsible for RD coordination and activities. The budget is intended for RD assessments that cover the costs of levee and flood control facilities maintenance and abandoned structure removal. The assessment budget also includes additional funds for debt-service reduction payments.

Other

The budget is for funding subsidies and incentives, materials and supplies, District validated parking for Bay Delta Sacramento staff, training and conferences, lease expense for one vehicle for use by a staff for Delta Islands inspections, communication expenses, sponsorship, and membership and subscriptions mainly for open-access publication of science-related manuscripts resulting from the various science studies.

FY 2023/24

Personnel–related issues

Total personnel count remains flat from the FY 2022/23 budget.

Salaries and Benefits reflect merit increases for qualified employees.

Professional Services

The budget reflects an increase of 3.5% in funding due to some studies that are anticipated to start on the second year of the biennial budget.

Grant Expense

The budget remains flat from the FY 2022/23 budget since most of the studies to be pursued usually goes on for two to three years.

Travel Expenses

The budget remains flat from the FY 2022/23 budget since there is no anticipated change to the travel requirements.

Repairs & Maintenance

The budget remains flat from the FY 2022/23 budget since there is no anticipated change to the repairs and maintenance requirements.

Taxes & Permits

The budget for assessments include a 3% annual increase due to cost of living adjustment.

Other

The budget remains flat from the FY 2022/23 budget since there is no anticipated change to the requirements for the various accounts covered under this category.

FINANCE

Finance provides innovative, proactive, and strategic financial direction in support of the mission of Metropolitan, the Board of Directors, management, and employees.

PROGRAMS

Finance is responsible for maintaining Metropolitan's strong financial position and high credit ratings and helping to achieve equitable water rates and charges that generate sufficient revenues.

In addition, Finance assists in the efficient management of Metropolitan's financial resources, and ensures that adequate financial controls are in place to accurately record financial transactions, communicate financial results, and protect Metropolitan's assets.

Finance accomplishes its mission through the following programs or sections:

Chief Financial Officer is responsible for the overall administration of finance and accounting functions for Metropolitan including debt and investment management; financial planning and analysis including rate setting and budgeting; accounting and control including financial reporting, payroll, accounts payable, accounts receivable; and risk management and business continuity.

Budget and Financial Planning is responsible for Metropolitan's Biennial Budget, revenue requirements, and rates and charges recommendations; cost monitoring and analysis; annexation fee calculations; short and long term financial analysis; and planning and financial modeling.

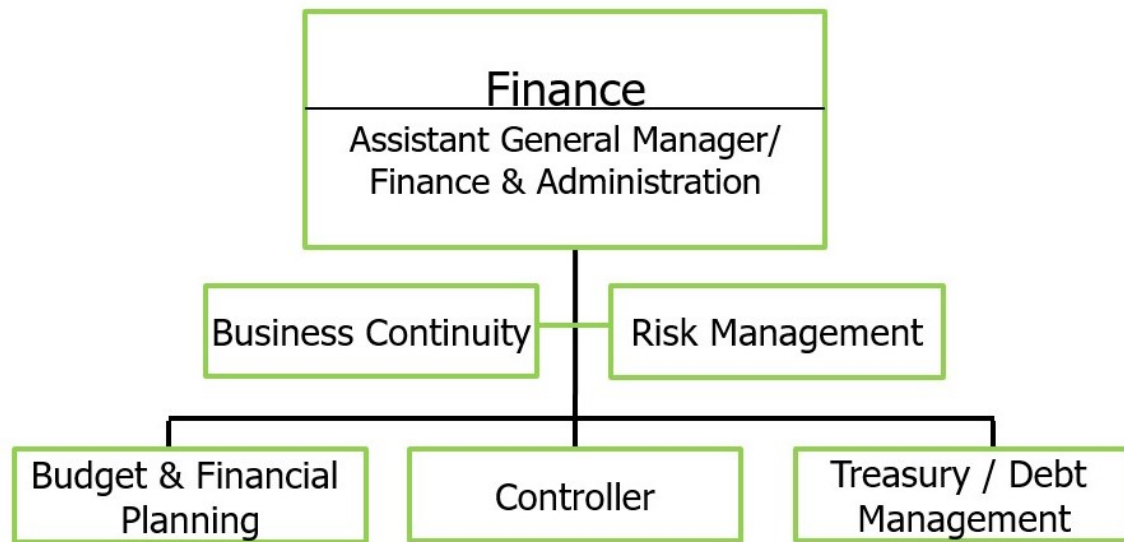
Controller is responsible for maintaining internal controls that safeguard Metropolitan's assets, as well as recording and maintaining its official accounting records via the billing, accounts payable, payroll, and financial reporting functions.

Business Continuity Management Program

ensures that Metropolitan proactively identifies potential business impacts and develops recovery strategies to continue critical operations in the event of an emergency or other business disruption. This is accomplished by conducting Business Impact Analyses and developing business continuity plans along with a life cycle of ongoing plan maintenance, testing, training and awareness. In addition, emergency communications are spearheaded using the MetAlert emergency notification system.

Risk Management reports directly to the Chief Financial Officer section, is responsible for managing all aspects of Metropolitan's casualty insurance and risk management programs to minimize exposure to loss; access risk and recommend strategies to minimize or transfer contract risk on all Metropolitan and agreements, and procure excess and specialty insurance policies to supplement the self-insured property and liability claims program.

Treasury/Debt Management is responsible for Metropolitan's investment and treasury operations including receipt, safekeeping, and disbursement of Metropolitan's funds; managing the District's liquidity cashflow needs and commercial banking activities, including receipts and payment processing, such as wires, checks, and automatic deposits; managing the District's debt obligations including preparation of security sale documents for new issues, administration of outstanding debt obligations, including compliance with all certifications and disclosure notifications; investor and bond rating agency relations; managing the District's property tax programs, including the water standby charge program and the annual ad valorem tax levy program.



GOALS AND OBJECTIVES

In FY 2022/23 and FY 2023/24, Finance will focus on the following key issues:

Cost of Service and Budget

Complete the biennial cost-of-service analysis for rates and charges. Complete and implement the Biennial Budget.

Financial Forecasts and Analysis

Provide an updated Ten-Year Financial Forecast in the Biennial Budget.

Continue to provide the Board with various analyses to manage financial performance for long-term rate stability, given the future potential implementation of the Delta conveyance and the Regional Recycled Water Program.

Analyze the funding of financial initiatives as identified.

Annexation/Tax Levy

Complete the annual annexation calculation and tax levy assessments.

Rates and Charges

Manage and effectively administer rates and charges to recover costs consistent with Board policy and objectives. Complete a comprehensive rate restructuring study.

Financial Reporting/Internal Control

Continue to record and report the financial activities of Metropolitan in a timely and transparent manner to the Board and member agencies.

Continue to ensure that internal controls are in place to provide assurance that assets are safeguarded and financial information is fairly stated.

Continue to improve communications of financial information to the Board, member agencies, management, and the financial community.

Capital Financing

Update capital financing plans and communicate Metropolitan's financial needs and capabilities to ensure cost-effective access to capital markets.

Work with Metropolitan's underwriting team, financial advisors, and swap advisors to identify financing opportunities to prudently manage the overall cost of financing Metropolitan's capital investment program.

Manage investor relations to ensure clear communications, accuracy of information, and integrity.

Continue to manage debt service to mitigate the volatility of debt service payments over time and reduce debt service costs through re-financings and the prudent use of interest rate swaps, in accordance with Metropolitan's interest rate swap policy.

Maintain relationships with the financial community and bond rating agencies to maintain Metropolitan's high credit ratings and access to various aspects of the financial markets to maximize financial flexibility.

Investment

Prudently invest Metropolitan's funds with the objective of safety of principal, liquidity, and yield.

Manage the District's portfolios to provide the necessary liquidity to fund in excess of \$3.0 billion over the biennium in expenditures for Operations and Maintenance, debt service, and construction projects.

Measure the performance of the District's portfolios and manage each to meet or exceed the benchmark consistent within established investment codes and policy.

Manage all outside portfolio managers to ensure compliance with Metropolitan's investment policy, and to monitor investment activity performance.

Risk Management

Continue to effectively manage Metropolitan's casualty insurance and risk management programs to minimize exposure to loss.

Business Continuity

Conduct regular meetings with the Business Continuity Steering Committee to ensure the Business Continuity program is aligned with Metropolitan's strategic priorities.

Continue to refine the Business Continuity Plan template and Fusion system to capture better information and produce actionable and easy to follow recovery plans.

Continue collaboration with the business users to perform annual plan updates and approvals using the Fusion software.

Conduct biannual application recovery exercises with the business users to ensure accessibility and functionality of critical applications at the back up data center in accordance with business requirements.

Conduct tabletop exercises for Metropolitan's business continuity plans to validate recovery strategies and identify areas in need of updating.

Test emergency communications using the MetAlert emergency notification system to ensure effective communications in the event that normal methods are impacted.

Workforce Development & Succession Planning

Continue to examine and consider the challenges associated with succession planning and future staffing requirements in light of the composition and age of the workforce.

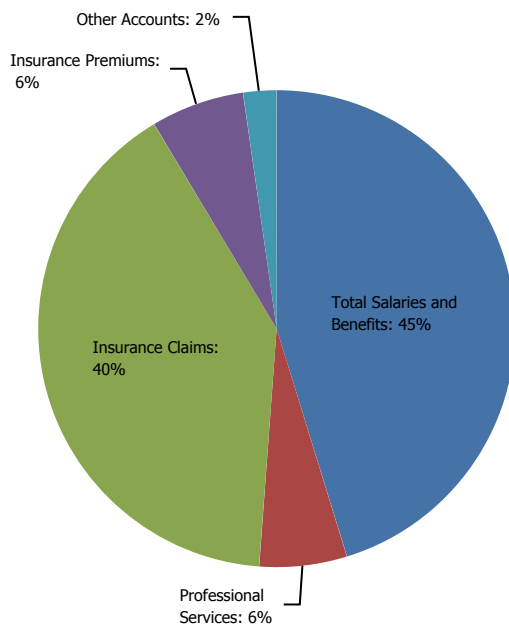
Work with each section within Finance to establish staff back-up responsibilities for various work processes.

O&M FINANCIAL SUMMARY

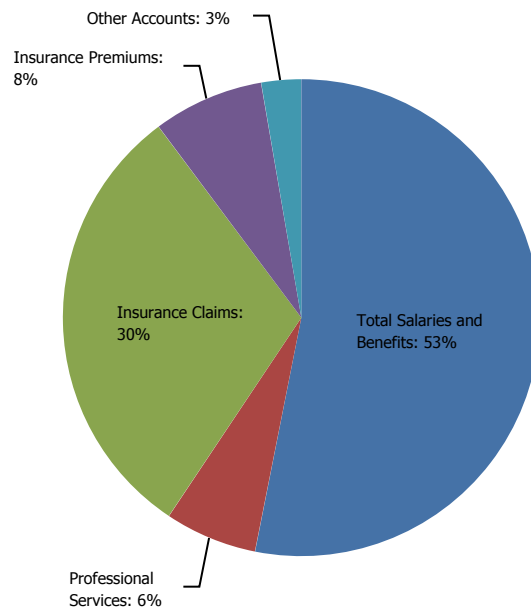
	2020/21 Actual	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Total Salaries and Benefits	11,292,551	13,259,705	13,762,149	502,444	14,307,907	545,758
<i>Direct Charges to Capital</i>	<i>(186,993)</i>	<i>(203,041)</i>	<i>(186,187)</i>	<i>16,853</i>	<i>(161,254)</i>	<i>24,933</i>
Total Salaries and Benefits	11,105,558	13,056,664	13,575,961	519,297	14,146,653	570,692
% Change		17.6%		4.0%		4.2%
Professional Services	1,064,239	2,061,100	1,780,900	(280,200)	1,665,600	(115,300)
Insurance Claims	(2,155,243)	11,419,990	12,075,000	655,010	8,100,000	(3,975,000)
Insurance Premiums	1,284,552	1,500,000	1,900,000	400,000	2,000,000	100,000
Other Accounts	294,144	450,576	675,102	224,526	717,574	42,472
Total O&M	11,593,250	28,488,330	30,006,963	1,518,633	26,629,827	(3,377,136)
% Change		145.7%		5.3%		(11.3%)

Totals may not foot due to rounding.

**FY 2022/23 BUDGET BY
EXPENDITURE**

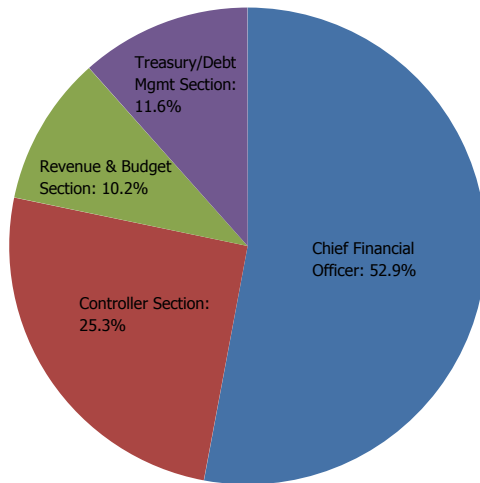


**FY 2023/24 BUDGET BY
EXPENDITURE**

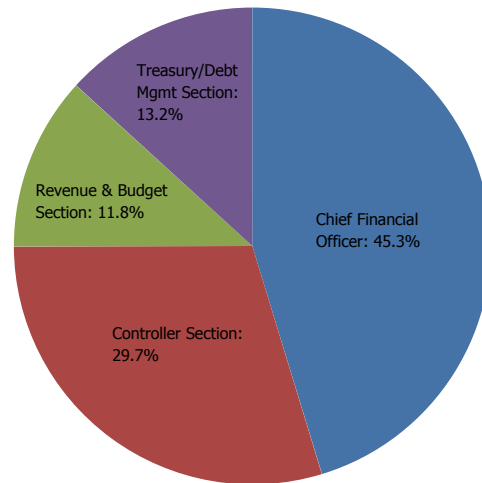


O&M BUDGET BY SECTION

FY 2022/23 BUDGET BY SECTION



FY 2023/24 BUDGET BY SECTION



	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23	Personnel Budget		
						21/22	22/23	23/24
Chief Financial Officer	15,564,200	15,888,500	324,400	12,061,200	(3,827,400)	8	5	5
Controller Section	6,682,000	7,596,200	914,200	7,902,600	306,400	31	35	35
Revenue & Budget Section	3,871,900	3,047,600	(824,200)	3,143,500	95,800	11	9	9
Treasury/Debt Mgmt Section	2,370,300	3,474,600	1,104,300	3,522,600	48,000	5	10	10
Total O&M	28,488,300	30,007,000	1,518,600	26,629,800	(3,377,100)	55	59	59

Totals may not foot due to rounding.

PERSONNEL SUMMARY

		2020/21 Actual	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Regular	Total	49	51	53	2	53	—
	O&M	48	51	53	2	53	—
	Capital	1	—	—	—	—	—
Temporary	Total	1	4	7	3	7	—
	O&M	1	4	6	2	6	—
	Capital	—	—	1	1	1	—
Total Personnel	Total	49	55	60	5	60	—
	O&M	49	55	59	4	59	—
	Capital	1	—	1	1	1	—

Totals may not foot due to rounding.

BUDGET HIGHLIGHTS

Finance's O&M Biennial Budget is \$30.0 million in FY 2022/23 and \$26.6 million in FY 2023/24 or an increase of 5.3% and a decrease of 11.3% respectively from the prior budget years. The change is primarily due to the following factors:

- Staffing was increased to support the Payroll process and accurate and timely reporting of compensation to CalPERS and Delta Conveyance Authority (DCA) reporting as well as Treasury operations.
- Temporary labor was increased to support increased reporting workload due to new government accounting and reporting standards as well as reporting for Delta Conveyance Authority (DCA), Delta Conveyance Finance Authority (DCFA), Six Agency Committee, Colorado River Board and other agencies; accurate payroll processing and reporting to CalPERS; and critical business systems such as water billing, payroll and budget.
- Third-party insurance claims and premiums are increasing significantly in the first year with an anticipated decrease in third party claims in the second year.
- Accounting for the realignment of some of the budget from professional services to software licensing & support the budget for professional services is decreasing by about \$15K.

The following are the significant changes by budget year.

FY 2022/23

Personnel-Related issues

Total personnel count is increasing by 5 FTEs. Regular full time positions are increasing by 2 FTEs with the transfer out of 2 positions to the Office of the General Manager, the transfer in of 1 position from Administrative Services and the addition of 3 new positions to support Accounting, Payroll and Treasury. Temporary labor is increasing by 3 FTEs to support increased reporting workload due to new government accounting and reporting standards as well as reporting for Delta Conveyance Authority (DCA), Delta Conveyance Finance Authority (DCFA), Six Agency Committee, Colorado River Board and other agencies; accurate payroll processing and reporting to CalPERS; and critical business systems such as water billing, payroll and budget.

Salaries and Benefits reflect negotiated labor increases and merit increases for qualified employees.

Professional Services

Accounting for the realignment of some of the budget from professional services to software licensing & support the budget for professional

services is decreasing by about \$15K. Professional services include investment management services to support Metropolitan's \$600 million investment portfolio, and for critical audits and studies related to accounting, reporting and business systems.

Insurance Premiums

The insurance premiums budget is increasing as a result of the expected overall pool exposure to catastrophic losses such as wild fire risk liability, US economic and political uncertainties, global instability and new and increased exposures due in part to climate change.

Insurance Claims

Third-party liability claims budget is increasing based on projected losses from the actuarial report.

Other

Increase in other is primarily due to the realignment of financial, investor, credit and data analytic tools and services from professional services to Software licensing and support.

FY 2023/24

Personnel–Related issues

Total personnel count remains flat from the FY 2022/23 budget.

Salaries and Benefits reflect negotiated labor increases and merit increases for qualified employees.

Professional Services

The professional services budget is decreasing primarily as the result of the completion of audit and studies related to accounting, reporting and business systems before the end of the year.

Insurance Premiums

The insurance premiums budget is increasing as a result of the expected overall pool exposure to catastrophic losses.

Insurance Claims

Third-party liability claims budget is decreasing based on projected losses from the actuarial report.

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ADMINISTRATION

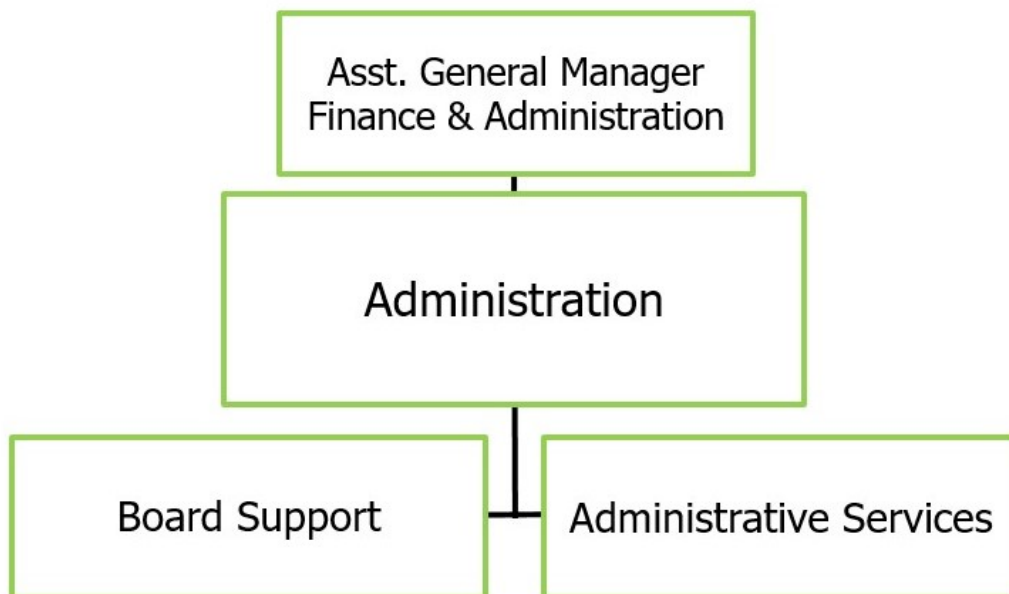
The Administration group provides outstanding value to its customers for a wide range of administrative services including contracting, inventory and Enterprise Content management in addition to providing administrative support to the Board and Office of the Chair.

PROGRAMS

The Administration group accomplishes its mission through the following programs or sections:

Administrative Services provides a range of critical services including contracting, inventory management, warehousing, reprographics, technical writing, records management, EForms management, Enterprise Content Management, and administration of Metropolitan's Rideshare Program.

Board Support provides administrative support to the Board and the Office of the Chair; coordinates Metropolitan's board document management system; and coordinates travel for the Board.



GOALS AND OBJECTIVES

In FY 2022/23 and FY 2023/2024, the Administration group will focus on the following key issues:

Innovative Solutions

Increase efficiency in procurement practices by streamlining acquisition processes. Enhance customer experience and satisfaction by upgrading warehouse online ordering system and expanding online training modules to further the customer's knowledge in key areas such as requisition processing and agreement administration.

Review administrative functions to promote higher levels of productivity, standardization, and to improve efficiency in key areas such as procurement spend analysis and records management.

Launch Information Governance / Enterprise Content Management (ECM) solution to improve existing storage, access, retrieval and control of physical and electronic records in line with fiscal, legal, and regulatory requirements.

Utilize Metropolitan's EForm Management program to improve business processes, increase productivity and enhance overall user experience by incorporating mobile technology and adopting innovative and efficient business practices.

Continue to enhance board document management through modernized technology and continued training of District staff on policies and procedures of Board matters.

Sustainability Efforts

Continue efforts to ensure Metropolitan's Rideshare Program remains beneficial for employees and compliant with South Coast Air Quality Management District's regulatory requirements.

Explore opportunities to expand the Electric Vehicle Charging program (partnership with Environmental/Engineering/WSO district-wide study).

Succession Planning and Employee Development

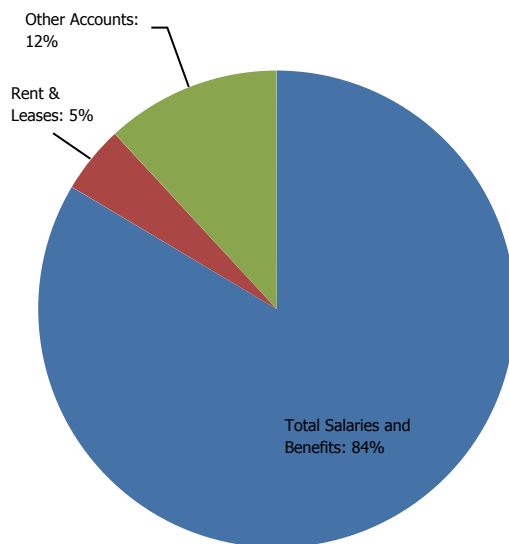
Continue to implement a section-wide cross-training program to promote organizational adaptability, institutional knowledge, experience, and expertise.

O&M FINANCIAL SUMMARY

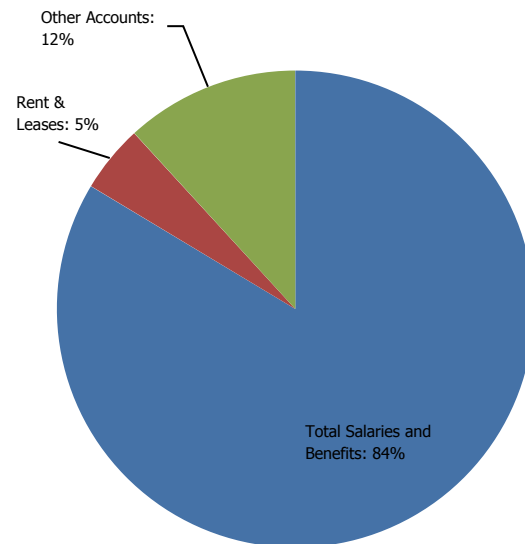
	2020/21 Actual	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Total Salaries and Benefits	16,077,321	16,393,818	17,390,866	997,049	18,177,362	786,496
<i>Direct Charges to Capital</i>	<i>(851,373)</i>	<i>(757,945)</i>	<i>(743,094)</i>	<i>14,851</i>	<i>(765,606)</i>	<i>(22,512)</i>
Total Salaries and Benefits	15,225,948	15,635,872	16,647,772	1,011,900	17,411,756	763,984
% Change		2.7%		6.5%		4.6%
Materials & Supplies	242,262	395,400	472,700	77,300	549,900	77,200
Outside Services - Non Professional / Maintenance	985,303	456,500	342,100	(114,400)	334,900	(7,200)
Professional Services	71,501	174,000	300,000	126,000	300,000	—
Rent & Leases	463,826	1,118,500	911,440	(207,060)	952,740	41,300
Subsidies & Incentives	34,364	821,400	625,600	(195,800)	625,600	0
Travel Expenses	46,426	294,891	290,720	(4,171)	307,450	16,730
Other Accounts	134,333	322,632	332,670	10,038	339,870	7,200
Total O&M	17,203,962	19,219,195	19,923,002	703,807	20,822,216	899,214
% Change		11.7%		3.7%		4.5%
Operating Equipment	87,392	34,600	218,917	184,317	43,351	(175,566)
Total O&M and Operating Equipment	17,291,353	19,253,795	20,141,919	888,123	20,865,567	723,648
% Change		11.3%		4.6%		3.6%

Totals may not foot due to rounding.

FY 2022/23 BUDGET BY
EXPENDITURE

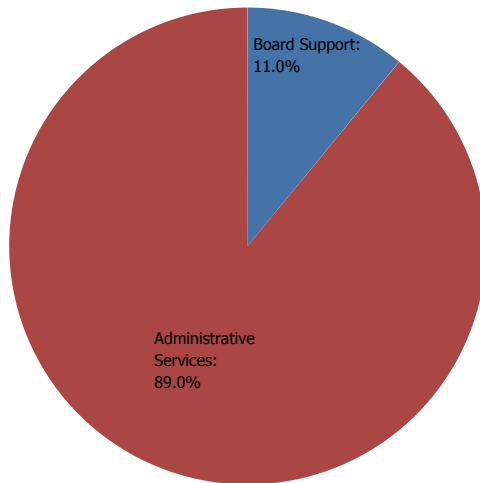


FY 2023/24 BUDGET BY
EXPENDITURE

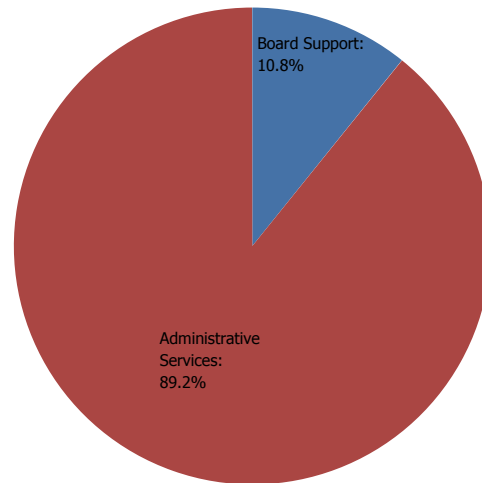


O&M BUDGET BY SECTION

FY 2022/23 BUDGET BY SECTION



FY 2023/24 BUDGET BY SECTION



	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23	Personnel Budget		
						21/22	22/23	23/24
Board Support	2,024,500	2,185,100	160,600	2,249,500	64,400	6	6	6
Administrative Services	17,194,700	17,737,900	543,200	18,572,700	834,800	73	75	76
Total O&M	19,219,200	19,923,000	703,800	20,822,200	899,200	79	81	82

Totals may not foot due to rounding.

PERSONNEL SUMMARY

		2020/21 Actual	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Regular	Total	79	81	80	(1)	80	—
	O&M	76	78	77	(1)	77	—
	Capital	3	3	3	—	3	—
Temporary	Total	3	1	4	3	5	1
	O&M	3	1	4	3	5	1
	Capital	—	—	—	—	—	—
Total Personnel	Total	82	82	84	2	85	1
	O&M	79	79	81	2	82	1
	Capital	3	3	3	—	3	—

Totals may not foot due to rounding.

BUDGET HIGHLIGHTS

The Administration group's O&M and Operating Equipment Biennial Budget is \$20.1 million in FY 2022/23 and \$20.9 million in FY 2023/24 or an increase of 4.6% and an increase of 3.6% respectively from the prior budget years. The changes are due primarily to the following factors:

- Increase in temporary labor to provide additional procurement resources to handle material increase in capital and information technology projects, as well as to support the E-Forms migration/upgrade effort.
- A study to determine the best way to capture procurement spend and provide analytical data.
- A consultant study to recommend a central repository to organize technical operational manuals and provide online access and searchability.
- Acquisition of a library management software system to catalog Metropolitan historical documents.

The following are the significant changes by budget year:

FY 2022/23

Personnel–Related issues

Total personnel count increased by 2 FTEs. Regular full time positions decreased by 1 FTE as a position was transferred to Finance. There was a net increase of 3 district temporary positions from the FY 2021/22 budget. The increase in temporary labor is necessary in order to provide additional procurement resources to handle material increase in capital and information technology projects, as well as to support the E-Forms migration/upgrade effort.

Salaries and Benefits reflect negotiated labor increases and merit increases for qualified employees.

Professional Services

The budget increase from FY 2021/22 reflects innovative efficiency driven projects, including procurement spend analysis initiative, technical requirements necessary for a new contracts management system, development of online training modules and business process improvements for Administrative Services. The increase also includes additional support for the Chair of the Board of Directors.

Non-Professional Services

The budget decrease reflects a reduction in costs associated with off-site document storage and shredding services.

Materials and Supplies

The budget increase from FY 2021/22 for Administrative Services is driven by higher costs for the new E-Forms platform and related applications.

Subsidies and Incentives

The budget decrease from FY 2021/22 reflects the anticipated employee usage rate for Metropolitan's Rideshare program under Administrative Services.

Rents and Leases

The budget decrease from FY 2021/22 reflects the anticipated employee usage for the Vanpool program under Administrative Services.

Other

The budget reflects a decrease in travel, training and conferences for Administrative Services, offset by an increase related to Board Support activities.

FY 2023/24

Personnel–Related issues

Total personnel count reflects a net increase of 1 temporary position from FY 2022/23 for Administrative Services. The increase in temporary labor is primarily in support of procurement resources to handle material increase in capital and information technology projects, as well as to support the E-Forms migration/upgrade effort.

Salaries and Benefits reflect negotiated labor increases and merit increases for qualified employees.

Materials and Supplies

The budget increase from FY 2022/23 for Administrative Services is driven by costs associated with the library management software system.

Rents and Leases

The budget increase from FY 2022/23 is due to an increase in costs for copier lease and maintenance.

Other

The budget reflects an increase in travel, training and conferences related to Administrative Services and Board Support activities.

Operating Equipment - FY 2022/23 and FY 2023/24

The operating equipment budget for Administrative Services reflects the need for the replacement of a forklift, utility cart, and truck in Metropolitan's warehouse. Additionally, an increase in service demand necessitates the purchase of specialized reprographics equipment.

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HUMAN RESOURCES

Human Resources (HR) strategically, and cost effectively, recruits, retains, motivates, rewards, and develops Metropolitan's employees.

PROGRAMS

The focus of Human Resources is to work closely with management to foster effective management; prepare to meet future workforce challenges; partner with customers on solutions; and provide excellent HR services that ensure compliance to numerous HR laws, regulations, and responsibilities.

The Human Resources Group partners with others across the organization to provide custom services and solutions that address current and future gaps in skills, knowledge, and abilities.

HR services include employee and labor relations, recruitment and selection, HR Strategic Partnering, HR Information Systems, benefits, retirement, leave administration, classification and compensation administration, medical screening, workers' compensation, training, organizational development, workforce and career development, and HR business support services.

HR accomplishes its mission through the following programs or sections:

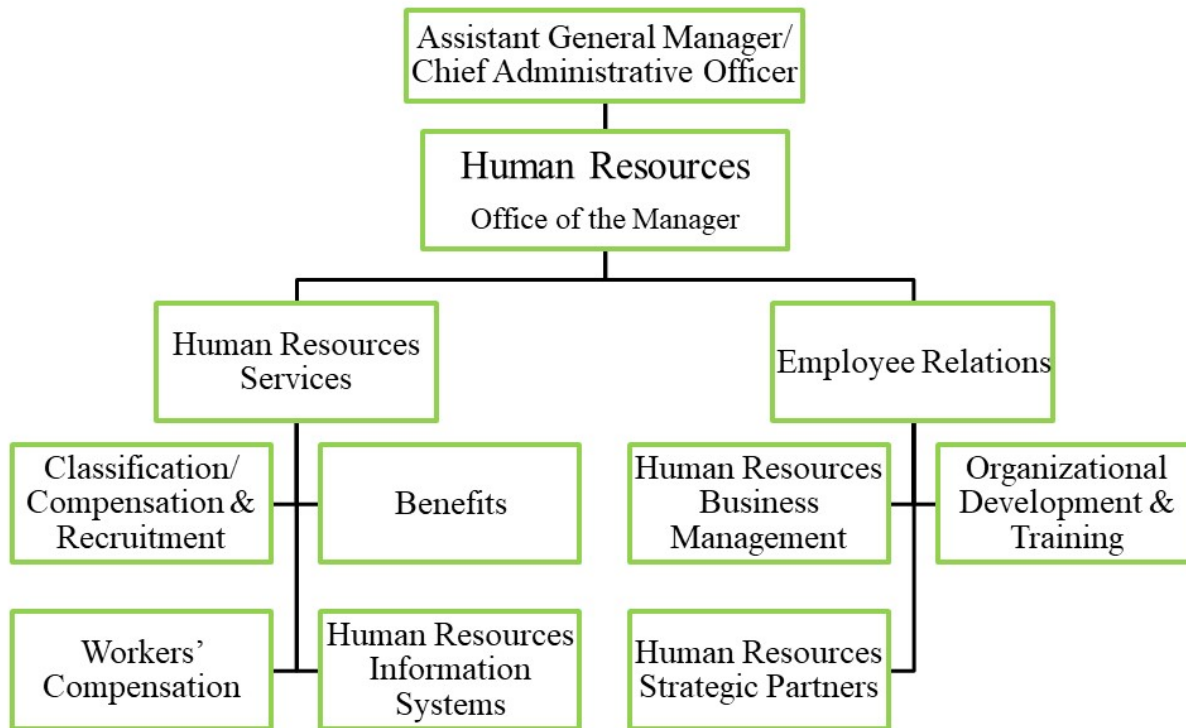
Office of Human Resource Group Manager provides strategic leadership and direction for Metropolitan's Human Resources functions. Organizations reporting directly to the Office of the Human Resource Group Manager include Employee Relations and Human Resources Services.

Employee Relations is responsible for fostering harmonious labor relations between Metropolitan and its four certified bargaining units, and plays a key role in contract negotiations. The staff also serves as a resource to managers and supervisors on such matters as grievances, disciplinary actions, and workplace conflicts. The section also provides ongoing training to managers on all facets of employer-employee relations.

HR has designated HR Strategic Partners to serve as single points of contact for managers, providing HR support in several areas, including Employee Relations, recruitment, training, succession planning, and strategic development.

Human Resources Services is responsible for the strategic design and implementation of Metropolitan's compensation, benefits, recruitment. The section leads and participates in continuous process improvement and cost optimization studies for all plans. Responsibilities include job analysis, market assessments, recruitment, active employee and retiree benefit program administration, partnering with management on new initiatives, compliance, Workers Compensation, medical screening and implementing new programs and agreements.

Finally, staff under Human Resources Information Systems administer Metropolitan's MyHR system, and serve as a critical liaison between HR and the Information Technology Group.



GOALS AND OBJECTIVES

In FY 2022/23 and FY 2023/24, HR will focus on the following key issues that support the General Manager's objective of Employee Development and additional HR priorities:

Ensure Effective People Management

Strong people management skills are essential to meeting Metropolitan's future challenges and successes. HR will ensure that the role of management is defined and that current managers have the tools and training needed to provide effective management.

A formal, multi-tiered Management and Leadership Development program will help managers better understand their roles and responsibilities as they progress through management.

Learning opportunities will be provided to employees to prepare for future management positions from the entry-level manager all the way to the executive level.

Ongoing events, workshops and forums will provide opportunities to deliver consistent expectations and tools for management, including motivating and valuing employee contributions.

Strengthen Partnerships with HR Customers

Effective people solutions require that HR partners with its customers, including management, unions, employees, retirees and others. HR must understand the customer's business needs and then build working relationships that develop effective solutions to people-related challenges. This working partnership will minimize misdirected efforts, speed decision-making, reduce rework and, ultimately, produce a better workplace at a reduced cost.

Strengthened HR/customer partnerships and communications will identify areas for improvement in HR products, services, support and messaging.

Ensure that Risk Management, Employee Relations, EEO and the Legal Department coordinate to effectively defend against litigation of liability claims and to cost-effectively resolve claims.

Prepare to Meet Challenges of Future Workforce Changes

On average, about 100 employees per year are retiring and this trend is expected to continue over the next several years. As experienced and knowledgeable employees retire, HR will continue to support and expand upon on-going succession planning efforts underway.

Efforts will include a focus on learning, development, knowledge capture, cross-training opportunities, and building pipelines for future vacancies.

HR will develop new strategies, support existing efforts and ensure Metropolitan remains competitive when compared to other organizations.

HR will support career development activity undertaken by employees to enhance knowledge, skills, and abilities for future work and promotional opportunities, including support of internship and mentoring initiatives.

Provide Excellent Human Resources Services

HR provides a wide range of services and support from pre-hire to retirement, impacting almost every aspect of the organization. To make the maximum contribution, all HR functions must serve as trusted advisors that speak with one voice, listen well and provide consistent guidance on people-related matters.

HR's organization is designed to improve customer service, provide stronger support to employees, and is aimed at developing the next generation of leaders through training, Management Academy, and recruitment.

HR will continue to simplify policies, processes, and procedures to reduce the costs of HR administration by utilizing technology, reducing redundancies and implementing new approaches to existing services.

HR will develop standard reports to enhance management access to employee data and assist with decision-making.

HR will administer a full-range of benefit services for health, leave, deferred compensation and retirement programs.

HR will continue to review the recruitment process and procedures to improve quality of hire and time-to-fill.

Ensure Compliance with Laws and Regulations

HR manages compliance to four MOUs and the Administrative Code, and addresses many sensitive and confidential personnel issues.

HR will continue to monitor a wide array of changing legal and regulatory requirements while adapting HR processes and systems to conform to these changing requirements.

HR will ensure Metropolitan meets Equal Employment Opportunity requirements and numerous Federal, State, and Local laws and regulations and Public Sector codes and rulings.

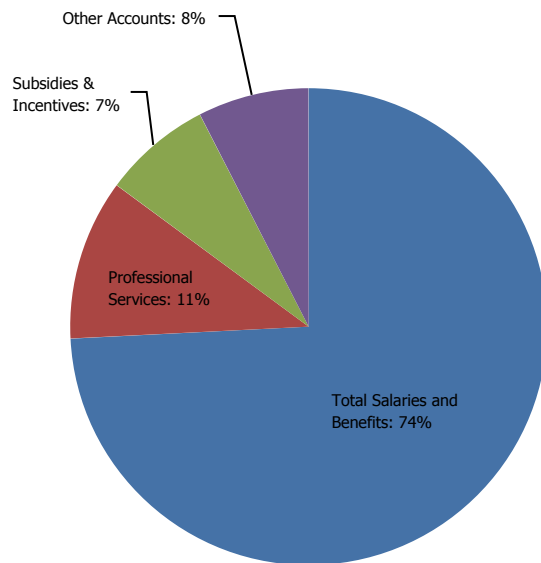
HR will maintain fiduciary responsibilities in the management of financial and retirement programs and comply with the Affordable Care Act and with all privacy and data security requirements.

O&M FINANCIAL SUMMARY

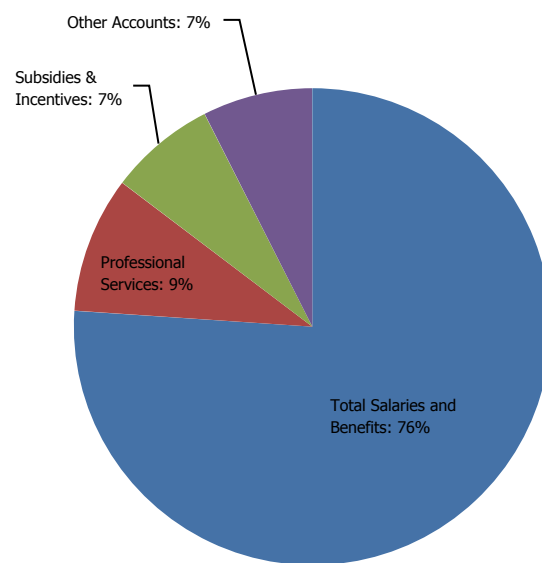
	2020/21 Actual	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Total Salaries and Benefits	11,615,280	11,792,170	12,043,795	251,625	12,551,381	507,586
Direct Charges to Capital	(53,146)	—	—	—	—	—
Total Salaries and Benefits	11,562,134	11,792,170	12,043,795	251,625	12,551,381	507,586
% Change		2.0%		2.1%		4.2%
Advertising	152,510	230,000	230,000	0	250,000	20,000
Outside Services - Non Professional / Maintenance	188,715	240,300	408,970	168,670	408,970	—
Professional Services	1,100,783	1,242,650	1,771,722	529,072	1,526,722	(245,000)
Subsidies & Incentives	1,116,870	974,800	1,191,600	216,800	1,191,600	—
Other Accounts	421,586	551,140	584,725	33,585	570,860	(13,865)
Total O&M	14,542,598	15,031,060	16,230,812	1,199,752	16,499,533	268,721
% Change		3.4%		8.0%		1.7%

Totals may not foot due to rounding.

FY 2022/23 BUDGET BY EXPENDITURE

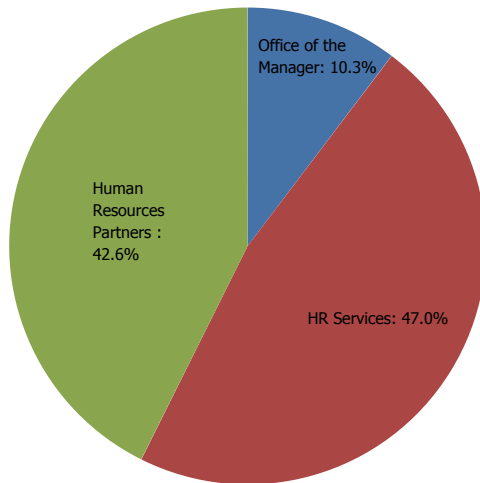


FY 2023/24 BUDGET BY EXPENDITURE

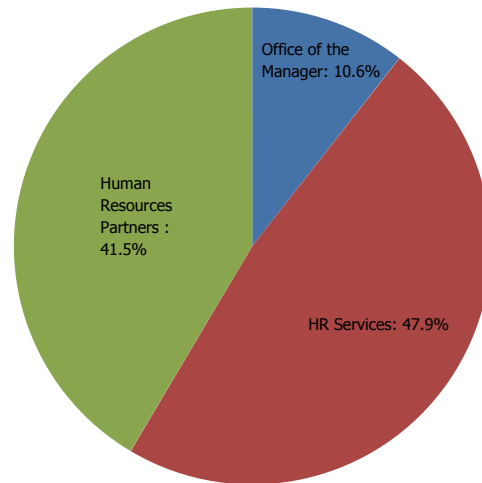


O&M BUDGET BY SECTION

FY 2022/23 BUDGET BY SECTION



FY 2023/24 BUDGET BY SECTION



	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23	Personnel Budget		
						21/22	22/23	23/24
Office of the Manager	2,256,500	1,675,500	(580,900)	1,746,100	70,600	6	4	4
HR Services	7,179,400	7,635,300	455,900	7,911,200	275,900	23	26	26
Human Resources Partners	5,595,200	6,920,000	1,324,800	6,842,300	(77,700)	15	16	16
Total O&M	15,031,100	16,230,800	1,199,800	16,499,500	268,700	44	46	46

Totals may not foot due to rounding.

PERSONNEL SUMMARY

		2020/21 Actual	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Regular	Total	41	44	44	—	44	—
	O&M	41	44	44	—	44	—
	Capital	0	—	—	—	—	—
Temporary	Total	7	5	2	(3)	2	—
	O&M	7	5	2	(3)	2	—
	Capital	—	—	—	—	—	—
Total Personnel	Total	47	49	46	(3)	46	—
	O&M	47	49	46	(3)	46	—
	Capital	—	—	—	—	—	—

Totals may not foot due to rounding.

BUDGET HIGHLIGHTS

HR's Biennial O&M Budget is \$16.2 million in FY 2022/23 and \$16.5 million in FY 2023/24 or an increase of 8.0% and an increase of 1.7% respectively from the prior budget years. The changes are due primarily to the following factors:

- Salaries and benefits reflect negotiated increases from the prior budget cycle.
- Materials and supplies reflect an increase in software licensing purchases and support.
- Professional services increase in both years due to increased organizational and employee development training and training programs, and increased recruitment activities. Additionally, there is a significant increase in outside professional services for Employee Relations Section in FY 2022/23 for Labor negotiations.
- Non-Professional services increase in both years due to increased recruitment activities.
- The budget reflects an increase in the Professional Development Expenses Reimbursement Program budget to accurately reflect the five-year usage trend.

The following are the significant changes by budget year:

FY 2022/23

Personnel–Related issues

Total Regular positions remain flat with the FY 2021/22 budget. However, two (2) positions were transferred out of Human Resources group to support EEO efforts, and two (2) new positions were added to support Recruitment and Organizational Development & Training. District Temporary positions decreased from seven (7) from the FY 2021/22 budget to two (2) District Temporary positions. The two(2) District Temporary positions are to support HRIS in the implementation of Ventiv and PeopleSoft functionalities until automation can be achieved. District Temporary positions in Recruitment were no longer required.

Salaries and Benefits reflect negotiated labor increases and merit increases for qualified employees.

Professional Services

The budget reflects increases as a result of bargaining unit negotiations. The budget also reflects increases in Recruitment, Organizational and Employee Training Programs, and Employee Relations services.

Non-Professional Services

The budget reflects increases as a result of increase in recruitment activities. In order for Recruitment to extend the candidate reach, Recruitment is using professional network services.

Materials & Supplies

The budget reflects an increase in software licensing (e.g., Adobe, DocuSign).

Subsidies & Incentives

The budget reflects an increase in the Professional Development Expenses Reimbursement Program budget to accurately reflect the five-year usage trend.

FY 2023/24

Personnel–Related issues

Personnel count remains flat from FY 2022/23. Salaries and Benefits reflect negotiated labor increases and merit increases for qualified employees.

Professional Services

The budget is anticipated to decrease due to successful Union negotiations to renew MOUs, which expire in December 31, 2022. Professional services provided by a labor consultant will not be required in FY 2023/24.

OFFICE OF DIVERSITY, EQUITY & INCLUSION

The Office of Diversity, Equity, and Inclusion (DE&I) is responsible for the strategic oversight of DE&I including planning, developing, and implementing Metropolitan's strategies and initiatives that create an organizational culture of diversity, equity, and inclusion.

PROGRAMS

Metropolitan's Office of Diversity, Equity & Inclusion was established by the Board in 2021. The Office of DE&I champions, educates and influences the importance and value of a diverse and inclusive work environment and fosters the atmosphere and culture that attracts diverse candidates who can enhance the workplace culture.

The newly established Office of DE&I will also use a diversity, equity and inclusion lens to address disparities existing in the District's contracting and economic development operations and lead the District's approach to effectively engage underserved communities and direct community engagement programs.

Business Outreach & Community Engagement

actively encourages the participation of small, locally-owned, minority-owned, disabled veteran-owned and economically disadvantaged business enterprises, and facilitates business in the solicitation and procurement of construction contracts, professional services agreements, innovation hubs and other agencies. Business Outreach & Community Engagement enhances involvement in new technologies and positions Metropolitan as an international leader in water innovation.



GOALS AND OBJECTIVES

In FY 2022/23 and FY 2023/24, the Office of Diversity, Equity & Inclusion will focus on the following key issues and initiatives:

DE&I Commitment

Normalize conversations around DE&I. Develop, recommend, and implement education and procedures to help management and employees at all levels, in all departments and in all disciplines, embrace and facilitate the mission, goals, strategies and expected outcomes of the Office of DE&I.

Develop DE&I Strategy

In collaboration with the Board, General Manager, Executive Leadership Team and the DE&I Council, create an organization-wide DE&I plan that includes a strategic blueprint of systems, structures and programs where substantial impacts in recruitment, hiring, promotion, contracting and community engagement are realized and measured.

DE&I Training and Workforce Development

Partner with the internal departments to ensure continuous learning and quality improvement regarding DE&I KPI's, metrics, and organizational culture that align with the Metropolitan's DE&I mission and operational plans.

Collaborate with the Human Resources group and EEO Office to create and refine equity-focused leadership development curriculum and educational opportunities, and to provide career advancement pathways for people of color, women and LGBTQ+ staff, as well as focus on inclusive recruitment and retention strategies.

Business Outreach

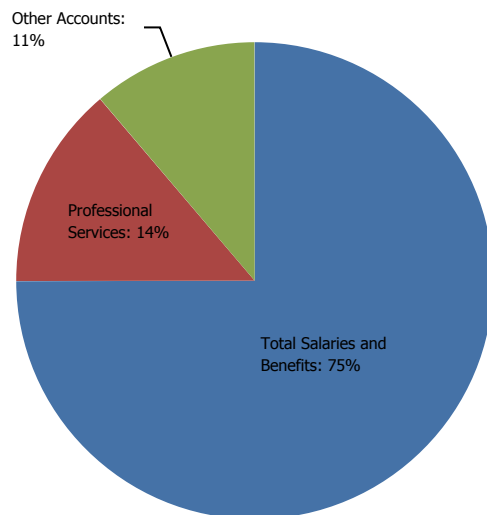
Increase opportunities to encourage small, diverse and emerging businesses to work with and secure contracts with Metropolitan through training, workshops and partnerships with organizations and other outreach to the business community. Identify and develop strategies to reduce core barriers for small and diverse business success and growth, and collaborate with Metropolitan staff to understand, advocate for, and maximize Metropolitan's business outreach policy and resources.

O&M FINANCIAL SUMMARY

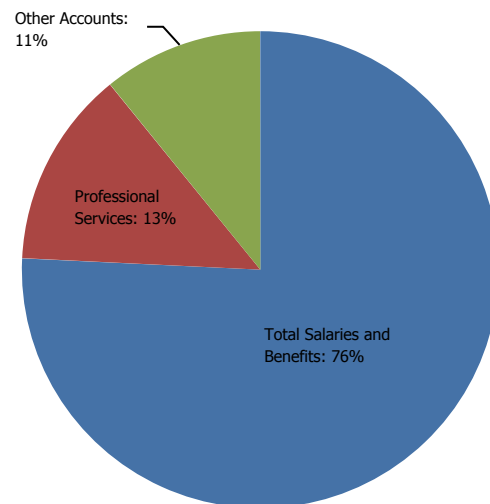
	2020/21 Actual	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Total Salaries and Benefits	2,012,619	2,044,290	2,901,432	857,142	3,030,572	129,139
<i>Direct Charges to Capital</i>	—	—	—	—	—	—
Total Salaries and Benefits	2,012,619	2,044,290	2,901,432	857,142	3,030,572	129,139
% Change		1.6%		41.9%		4.5%
Memberships & Subscriptions	102,619	50,000	143,443	93,443	143,503	60
Outside Services - Non Professional / Maintenance	48,225	79,600	56,650	(22,950)	56,650	—
Professional Services	143,749	100,000	535,000	435,000	535,000	—
Sponsorships	81,250	150,000	150,000	—	150,000	—
Other Accounts	10,513	78,224	83,570	5,346	83,570	—
Total O&M	2,398,974	2,502,115	3,870,095	1,367,981	3,999,295	129,199
% Change		4.3%		54.7%		3.3%

Totals may not foot due to rounding.

FY 2022/23 BUDGET BY
EXPENDITURE

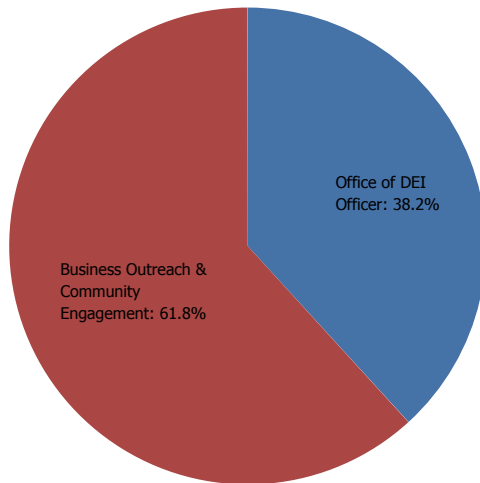


FY 2023/24 BUDGET BY
EXPENDITURE

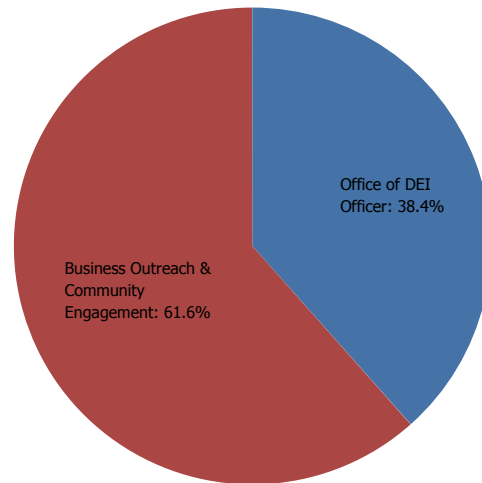


O&M BUDGET BY SECTION

FY 2022/23 BUDGET BY SECTION



FY 2023/24 BUDGET BY SECTION



	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23	Personnel Budget		
						21/22	22/23	23/24
Office of DEI Officer	—	1,479,300	1,479,300	1,537,700	58,400	—	4	4
Business Outreach & Community Engagement	2,502,100	2,390,800	(111,300)	2,461,600	70,800	7	6	6
Total O&M	2,502,100	3,870,100	1,368,000	3,999,300	129,200	7	10	10

Totals may not foot due to rounding.

PERSONNEL SUMMARY

		2020/21 Actual	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Regular	Total	7	7	9	2	9	—
	O&M	7	7	9	2	9	—
	Capital	—	—	—	—	—	—
Temporary	Total	—	—	1	1	1	—
	O&M	—	—	1	1	1	—
	Capital	—	—	—	—	—	—
Total Personnel	Total	7	7	10	3	10	—
	O&M	7	7	10	3	10	—
	Capital	—	—	—	—	—	—

Totals may not foot due to rounding.

BUDGET HIGHLIGHTS

The Diversity, Equity & Inclusion Office's Biennial Budget is \$3.9 million in FY 2022/23 and \$4.0 million in FY 2023/24 or an increase of 54.7% and an increase of 3.3% respectively from the prior budget years. The Salaries and Benefits increase in FY 2023/24 is due primarily to the negotiated labor increases and merit increases for qualified employees. The increase is due primarily to the following:

- New Office of DE&I Officer includes 1 staff transferred over from WSO and 2 new positions requested.
- Business Outreach section transferred from External Affairs to become Business Outreach & Community Engagement section.
- Professional services to support Office's key issues and initiatives.

FY 2022/23

Personnel-Related Issues

Total personnel count is increasing by 3 regular full-time positions from the FY 2021/22 budget to support the formation of Office of the DE&I Officer.

Salaries and benefits reflect negotiated labor increases and merit increases for qualified employees.

Professional Services

Professional services support new Office's key issues and initiatives.

Memberships & Subscriptions

Memberships & Subscriptions are increasing to support the Office's key issues and initiatives.

Other

Other accounts includes training & seminars, conferences & meetings, travel and other expenses necessary to support the new Office of DE&I.

FY 2023/24

Personnel-Related Issues

Total personnel count remains flat with the FY 2022/23 budget. Salaries and benefits reflect negotiated labor increases and merit increases for qualified employees.

Professional Services

Professional services remain flat with the FY 2022/23 budget.

WATER SYSTEM OPERATIONS

Water System Operations reliably treats and delivers high–quality water to Metropolitan’s member agencies in an efficient, sustainable, and environmentally responsible manner.

PROGRAMS

Water System Operations (WSO) treats and delivers water from the Colorado River and the State Water Project (SWP) through a raw water conveyance system, five treatment plants, and an extensive treated water distribution network. This flexible system provides reliable deliveries to the member agencies and moves available supplies and storage reserves to meet Metropolitan’s mission. Water quality remains paramount and all functions focus on surpassing drinking water standards in a safe and economical way.

WSO accomplishes its mission through the following programs or sections:

Office of the Group Manager provides day-to-day operational management as well as strategic and organizational leadership, directing all initiatives and core business efforts of WSO. The office also provides support functions such as budgeting and administration and coordinates and engages in regulatory and legislative activities. The Operations Projects & Asset Management unit provides oversight for the group on capital and operational project delivery, asset management, and member agency service connection requests.

Operations Support Services provides a diverse range of support to Metropolitan’s core operational reliability functions and, on a reimbursable basis, to public entities such as DWR and member agencies. The Manufacturing Services unit performs fabrication, machining, coating, valve and pump refurbishment, underwater maintenance, and crane safety and certification. Construction Services unit performs general construction, large equipment transportation, equipment installation, and emergency response. The Power & Equipment

Reliability unit provides maintenance services which include predictive, preventive, and corrective maintenance analysis for critical equipment, including all treatment plants, pumping plants, hydroelectric power plants, pressure control structures, high voltage equipment, and heating, ventilation, and air conditioning (HVAC) systems.

The Fleet Services unit acquires and maintains vehicles, construction equipment, aircraft, and emergency generators.

Water Treatment operates and maintains five water treatment plants with a combined capacity of over 2.3 billion gallons per day. The section oversees treatment processes to ensure high-quality water is reliably produced that complies with drinking water regulations. All five treatment plants are staffed and operated 24 hours a day, seven days a week to meet about half of Metropolitan’s annual deliveries. All five of the treatment plants (Jensen, Mills, Skinner, Weymouth and Diemer) have been retrofitted to use ozone as the primary disinfectant.

Water Conveyance and Distribution meets delivery requirements of member agencies by moving water into and throughout Metropolitan’s 5,200 square mile service area and performing a wide range of operations and maintenance activities to ensure system reliability. This work encompasses the Colorado River Aqueduct (CRA) system and its five pumping plants as well as the distribution system of about 830 miles of pipelines, approximately 350 service connections to member agencies, 15 hydroelectric plants, and 9 storage and regulatory reservoirs that help Metropolitan meet peak flow periods and provide dry year and

emergency supply reliability. These functions are separated into two sections: one for the desert region, and one for the eastern and western regions of the service area.

Water Quality ensures that Metropolitan provides safe and aesthetically pleasing water through the following activities: conducting chemical and biological analyses; optimizing existing treatment processes; testing new technologies to assure compliance with current and future regulations; and providing technical expertise, laboratory services, and troubleshooting of water quality issues for Metropolitan and its member agencies. Water Quality also works to preserve and improve source water quality through rigorous watershed surveys and advocate for measures to reduce the risk of point and non-point source pollution. The section is also advancing water reuse opportunities through operations and testing at the Regional Recycled Water Advanced Purification Center.

Water Operations and Planning plans and implements the movement and use of water resources. These plans incorporate infrastructure and supply limitations, hydrologic variations, agency demands, changing water quality requirements, and storage program economics. Operational scenarios that encompass a broad range of potential supplies and demands are developed and refined on a weekly basis throughout the year. This process prepares WSO for a wide variety of possible outcomes as the year develops while maintaining reliable deliveries and balancing management of water storage reserves at a reasonable cost.

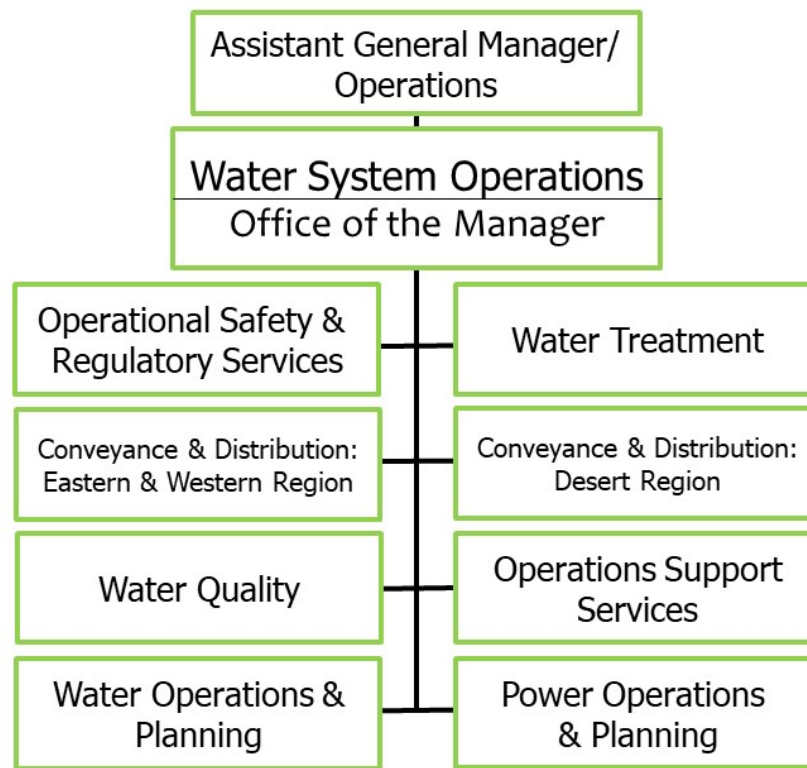
In addition, the section programs and maintains Metropolitan's automated control system, known as the Supervisory Control and Data Acquisition (SCADA) system.

Operational Safety and Regulatory Services is responsible for ensuring a safe working environment for employees through programs and training, ensuring business operations are conducted in an environmentally responsible way, and complying with all regulatory and occupational health and safety regulations and requirements. The section integrates environmental, health and safety practices into Metropolitan's operations and culture with the goal of achieving a safe workplace and eliminating regulatory incidents.

In addition, the section manages technical skills training for maintenance craft employees and sponsors an accredited apprenticeship program which is a cornerstone of WSO's proactive succession planning efforts. This is done by training industrial mechanics and electricians over a four-year period of classroom and hands on instruction.

Power Operations and Planning plans, acquires and accounts for the energy required to operate the CRA. This activity includes energy transactions with electric utilities and marketers. The section also negotiates and manages the contracts and energy accounting of renewable energy credits and greenhouse gas allowances for 15 small hydroelectric power plants and the CRA system.

In addition, the section is responsible for wholesale energy activities including evaluation of proposed energy-related regulations and legislation; analysis of state and regional transmission plans and impacts to the CRA transmission system; and reporting on compliance with regional and national electric reliability standards. Finally, the section works closely with energy staff at DWR on energy and transmission issues for the SWP.



GOALS AND OBJECTIVES

In FY 2022/23 and FY 2023/24, WSO will focus on the following key issues:

System Reliability

Manage and maintain the water system to ensure operational reliability for all reasonably expected demands. Metropolitan enters the biennium amid severe drought conditions that has led to efforts to further expand system flexibility and resilience by developing and implementing new projects and envisioning future projects, that add features to the conveyance and distribution system. These efforts will expand the movement of supplies and storage throughout the service area, with an emphasis on addressing the SWP dependent areas of the system.

Develop and distribute the Annual Operating Plan and manage water storage to provide the greatest delivery flexibility and cost effectiveness. Build on strategies such as employing operational flexibility to mitigate future drought condition impacts on water availability.

Plan, schedule, and execute the Annual Shutdown Plan to ensure reliable operation of the water delivery system, including a strategy to manage longer shutdowns to support the refurbishment of prestressed concrete cylinder pipelines.

Maintain eight-pump flow readiness on the CRA and manage storage accounts to capture all available Colorado River supplies in concert with water supplies from other sources. With member agency and regional partners, develop new water supplies to supplement the core SWP and Colorado River supplies including groundwater recovery, ocean desalination, and potable reuse.

Support the Regional Recycled Water Program by achieving regulatory acceptance for the advanced water treatment process. Conduct demonstration testing and perform optimization studies.

Support the Colorado River Aqueduct Main Pump Reliability Program, including detailed inspections of pumps, components and support systems.

Participate with the California Department of Water Resources (DWR) on value-engineering efforts to ensure cost-effective rehabilitation of SWP conveyance, pumping, and generation facilities.

Fully utilize the manufacturing shops in La Verne to maintain Metropolitan's infrastructure reliability and support projects for DWR and the member agencies.

Partner with Engineering Services and Information Technology groups to implement a comprehensive Asset Management Plan that will maximize the value of infrastructure assets and enhance reliability.

Partner with other groups to implement the Energy Sustainability Plan that will define strategies to increase operational flexibility, and reduce energy costs and greenhouse gas emissions.

Partner with other groups to implement the Energy Sustainability Plan that will define strategies to increase operational flexibility, and reduce energy costs and greenhouse gas emissions.

Continue the multi-year upgrade of the SCADA system to maintain and improve the ability to remotely operate the conveyance, distribution, and treatment systems.

Conduct emergency response exercises involving internal operational groups, member agencies, and other emergency response agencies.

Workforce Development & Succession Planning

Partner with Human Resources for an annual Leadership Academy program to improve internal recruitment pool for entry-level supervisors. Develop and implement targeted training courses for new field managers.

Recruit and begin training a new apprentice class for the mechanical and electrical trades. Support additional workforce development opportunities for the water sector.

Provide continuing education classes for licensed water treatment and distribution operators that are tailored to Metropolitan's procedures and facilities.

Water Quality, Environmental Protection, and Safety

Meet or surpass all drinking water standards and ensure delivery of aesthetically pleasing water.

Engage in the regulatory process to ensure full consideration of technical and economic feasibility for drinking water and environmental regulations. Implement increased laboratory functions to comply with new, stringent laboratory accreditation standards. Monitor for constituents of emerging concern, including PFAS and microplastics.

Engage watershed stakeholders and regulators to ensure effective control of source water contaminants such as uranium, perchlorate, hexavalent chromium, nutrients, and cyanotoxins.

Provide safety and regulatory services to ensure safe work practices and adhere to environmental and workplace health and safety regulations. Partner with the National Safety Council to identify and implement areas for improvement of the health and safety program, building upon prior efforts to continuously improve. Apply necessary workplace safety practices amid the continuing COVID-19 pandemic.

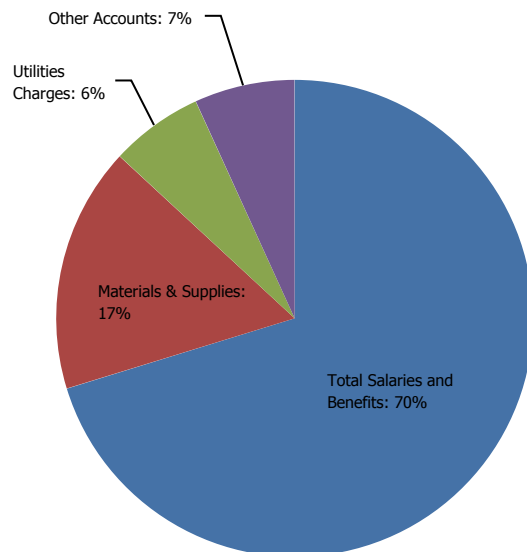
Continue effective management and monitoring of quagga mussels throughout Metropolitan's water system. Partner with DWR for monitoring quagga mussels in the west and east branches of the State Water Project and prepare quagga mussel control plans.

O&M FINANCIAL SUMMARY

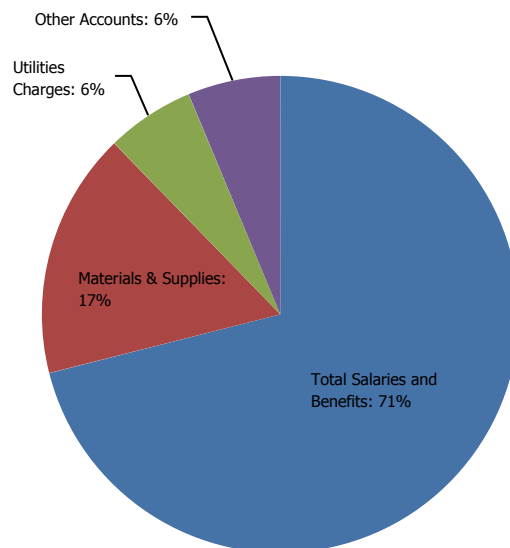
	2020/21 Actual	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Total Salaries and Benefits	191,615,334	209,058,267	212,267,843	3,209,577	220,454,060	8,186,216
Direct Charges to Capital	(10,114,740)	(8,951,284)	(9,246,454)	(295,171)	(9,619,320)	(372,865)
Total Salaries and Benefits	181,500,594	200,106,983	203,021,389	2,914,406	210,834,740	7,813,351
% Change		10.3%		1.5%		3.8%
Materials & Supplies	39,463,050	46,279,592	48,095,815	1,816,223	49,535,958	1,440,143
Outside Services - Non Professional / Maintenance	7,560,867	7,187,613	7,713,509	525,896	7,761,452	47,943
Utilities Charges	12,653,308	16,364,471	18,197,576	1,833,105	17,766,850	(430,726)
Other Accounts	9,267,514	10,683,464	11,968,304	1,284,840	10,862,777	(1,105,527)
Total O&M	250,445,333	280,622,123	288,996,593	8,374,470	296,761,777	7,765,184
% Change		12.0%		3.0%		2.7%
Operating Equipment	4,778,164	6,000,000	7,356,062	1,356,062	8,000,571	644,509
Total O&M and Operating Equipment	255,223,497	286,622,123	296,352,655	9,730,532	304,762,348	8,409,693
% Change		12.3%		3.4%		2.8%

Totals may not foot due to rounding.

FY 2022/23 BUDGET BY EXPENDITURE

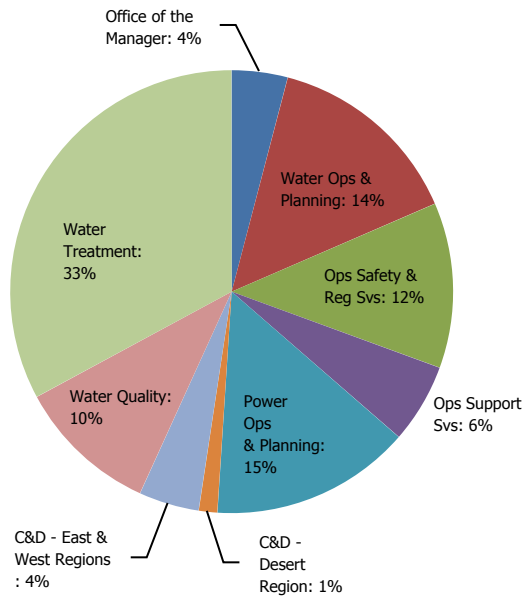


FY 2023/24 BUDGET BY EXPENDITURE

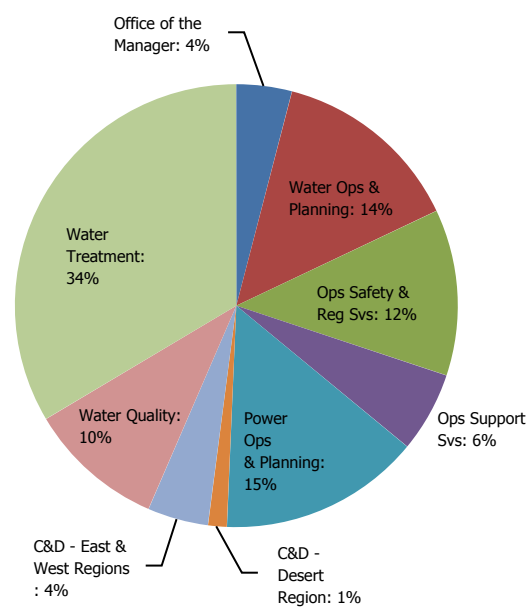


O&M BUDGET BY SECTION

FY 2022/23 BUDGET BY SECTION



FY 2023/24 BUDGET BY SECTION



	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23	Personnel Budget		
						21/22	22/23	23/24
Office of the Manager	9,793,300	11,801,900	2,008,600	12,043,100	241,300	21	22	22
C&D Section - Eastern & Western Regions	38,859,100	41,688,900	2,829,900	41,284,000	(404,900)	133	131	131
C&D Section - Desert Region	32,961,300	34,916,900	1,955,600	36,007,500	1,090,600	134	133	134
Operational Safety and Regulatory Services	16,414,100	16,776,000	362,000	17,437,100	661,100	51	50	50
Operations Support Services	39,408,200	42,332,200	2,924,000	43,664,100	1,331,900	150	154	154
Power Operations and Planning	3,800,400	3,891,300	90,800	4,056,700	165,400	12	11	11
Water Operations and Planning	12,716,200	12,747,800	31,600	13,155,900	408,100	40	38	38
Water Quality	29,428,000	29,858,100	430,100	29,593,600	(264,600)	102	102	102
Water Treatment	97,241,600	94,983,500	(2,258,100)	99,519,800	4,536,300	267	267	267
Total O&M	280,622,100	288,996,600	8,374,500	296,761,800	7,765,200	910	909	910

Totals may not foot due to rounding.

PERSONNEL SUMMARY

		2020/21 Actual	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Regular	Total	884	940	939	(1)	939	—
	O&M	845	894	893	(1)	893	—
	Capital	39	46	46	0	46	—
Temporary	Total	20	16	16	0	17	1
	O&M	19	16	16	0	17	1
	Capital	1	—	—	—	—	—
Total Personnel	Total	904	956	955	(1)	956	1
	O&M	865	910	909	(1)	910	1
	Capital	39	46	46	0	46	—

Totals may not foot due to rounding

BUDGET HIGHLIGHTS

WSO's O&M and Operating Equipment Biennial Budget is \$296.4 million in FY 2022/23 and \$304.8 million in FY 2023/24 or an increase of 3.4% and an increase of 2.8%, respectively from the prior year budgets. The main factors affecting these changes:

- Significant increases in chemical commodity prices, raised the expected chemical costs for water treatment.
- An increase in vendor pricing in all areas due to increasing fuel and labor costs.
- An increase in hazardous waste abatement costs expensed to O&M as a result of capital projects for Weymouth Basin Remediation and CRA rehabilitation.
- An increase in professional consulting services to support the next phase of testing at the Advanced Purification Center and the Environmental Planning phase of the Regional Recycled Water Program.
- An increase in Electricity costs due to planned continuous operation at the Greg Avenue pump station in FY 2022/23 to manage available supplies and help mitigate drought conditions.
- These increases are offset in part by a reduction in Agency and District Temp labor, Memberships & Subscriptions, and Travel expenses by taking advantage of greater availability for virtual training and conferences.

The following are the significant changes by budget year.

FY 2022/23

Personnel–Related issues

The number of regular positions reduced by one from the FY 2021/22 budget to support other district initiatives. This is in contrast to the need for additional staff in WSO to accomplish several key initiatives, such as the Regional Recycled Water Program, increased safety and regulatory compliance programs, system and drought

resiliency programs, and numerous reliability projects and programs in the Desert, among others.

Agency Temp labor needs are anticipated to decrease due to the filling of vacant regular positions. There was a reduction of District Temp student interns across WSO to meet budgetary

goals, which will lead to some desert and water treatment facility tasks, such as weed abatement and general maintenance to be deferred or require existing full time employees to complete at the expense of other O&M duties.

Organizational changes were made to better support business objectives, including addressing aging infrastructure and major rehabilitation programs, increased regulatory and compliance requirements, new strategic initiatives as well as workforce development efforts.

Refinements to the organizational structure were implemented to better serve changing operational needs and address gaps in high priority areas. These refinements focused on implementing asset management processes, addressing the need for improved power planning and NERC compliance, advancing CRA reliability and rehabilitation efforts, and meeting growing needs in the area of environmental health and safety.

Organizational refinements in the Water Quality Section help to prepare for new regulations addressing laboratory standards, and to advance potable reuse initiatives through operations and testing at the Regional Recycled Water Advanced Purification Center.

Salaries and Benefits reflect negotiated labor increases and merit increases for qualified employees.

Materials and Supplies

The budget reflects inflationary pressure anticipated on chemicals and other materials and supplies.

Professional Services

The budget reflects an increase in consultant services required to support demonstration testing and technical studies for the environmental planning phase for the Regional Recycled Water Program as well as strategic development of the Asset Management Program.

Non-Professional Services

The budget reflects inflationary increases in labor and fuel costs for services provided in this category such as janitorial, pest control, and inspection services.

In addition, costs for compliance-related contract services increased for environmental and safety equipment, as well as energy regulatory compliance activities for power operations.

Utilities Charges

The budget reflects an increase in waste disposal costs from facility R&R projects and an increase in expected electrical rates. Due to drought conditions, pumping at the Greg Avenue facility is anticipated for the majority of the year increasing electricity costs.

Other

A switch to high capacity circuits resulted in a reduction in Communications Expenses by reducing the amount and types of communications lines needed for both data and phone traffic.

FY 2023/24

Personnel–Related issues

Regular personnel count for both O&M and capital work remain unchanged from the FY 2022/23 budget. This is in contrast to the need for additional staff in WSO to accomplish key initiatives, such as the Regional Recycled Water Program, increased safety and regulatory compliance programs, system and drought resiliency programs, and numerous reliability projects and programs in the Desert, among others.

Temporary labor needs were reduced to meet budgetary goals including continued deferment of WSO student intern positions, which will lead to some desert and water treatment facility tasks, such as weed abatement and general maintenance to be deferred or require existing full time employees to complete at the expense of other O&M duties. .

Refinements to the organizational structure continued to be implemented to better serve the changing operational needs and address gaps in high priority areas. Focus areas include asset management and maintenance management processes, CRA reliability and rehabilitation efforts and aging infrastructure needs.

Salaries and Benefits reflect negotiated labor increases and merit increases for qualified employees.

Materials & Supplies

The budget reflects inflationary pressures anticipated on chemicals, fuel pricing and other materials and supplies.

Non-Professional Services

The budget reflects inflationary increases in labor and fuel costs for services provided in this category such as janitorial, pest control, and inspection services. In addition, costs for compliance-related contract services increased for environmental and safety equipment.

Utilities Charges

The budget reflects an increase in waste disposal costs from facility R&R projects and an increase in expected electrical rates. The overall decrease in utilities is due to pumping at the Greg Avenue facility anticipated for only half of the year.

Other

Includes a reduction in consultant services required to support demonstration testing and technical studies as the environmental planning phase for the Regional Recycled Water Program nears completion.

Operating Equipment – FY 2022/23 and FY 2023/24

The operating equipment budget is maintained to replace aging fleet, construction equipment, laboratory instruments, and other equipment to support the safe and reliable delivery of water. Increased amount reflects inflationary pressures in pricing and the culmination of aging equipment that is at the end of its useful life.

INFORMATION TECHNOLOGY

Information Technology provides innovation and outstanding value to its customers for a wide range of technical services and enterprise business solutions.

PROGRAMS

Information Technology provides innovation and value to its customers for a wide range of technical services and enterprise business solutions. The group collaboratively works with customers to deliver information technology options, services, and solutions in the areas of enterprise and business applications, Engineering Services and Water System Operations applications, data analytics, mobile/wireless computing, telecommunications, network services, cybersecurity, project management and personal computing.

Office of Group Manager oversees the management of the Information Technology (IT) group by providing strategic leadership on initiatives and capital investments to improve operational efficiencies, enhance reliability & cybersecurity capabilities, and deliver innovative options and solutions.

Cybersecurity focuses on security standards and policies to enhance Metropolitan's cybersecurity posture and to ensure protection against evolving and increasing cyber threats.

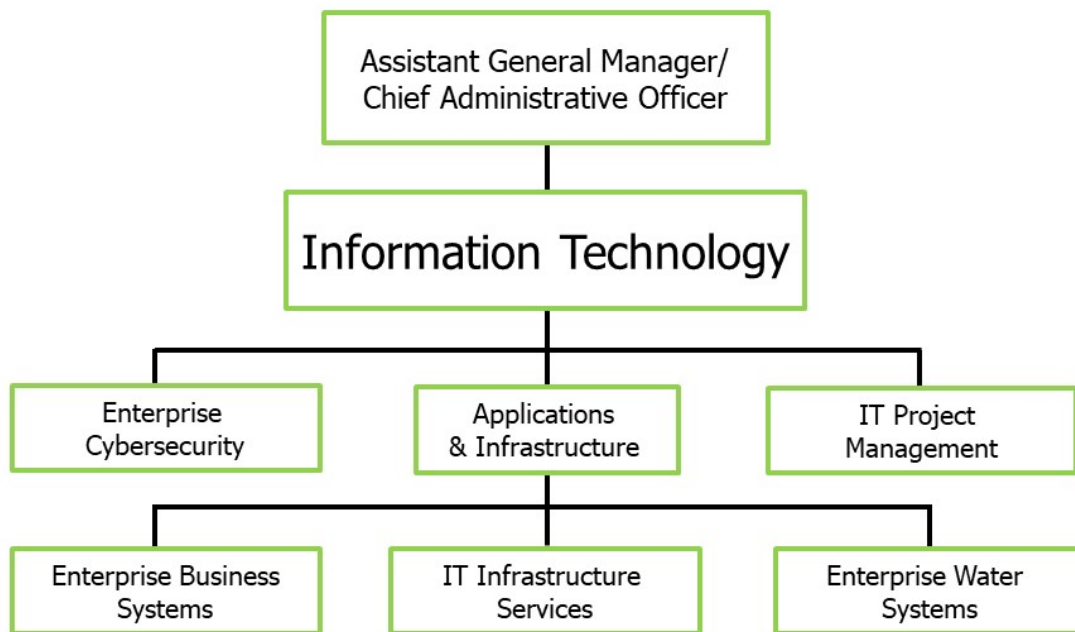
Project Management Office is responsible for the overall governance and project management of the IT program and project portfolio.

Office of IT Section Manager manages and supports IT business and service areas related to IT infrastructure, enterprise business and water systems.

IT Infrastructure monitors, manages, and maintains Metropolitan's enterprise-wide infrastructure services related to telecommunications, networks, servers, data center operations, and related client services.

Enterprise Business Systems develops and supports enterprise and business software applications and business intelligence systems.

Enterprise Water Systems provides services, solutions, and systems that support business functions in Engineering Services and Water Systems Operations.



GOALS AND OBJECTIVES

In FY 2022/23 and FY 2023/24, IT will focus on initiatives and projects that will enhance service reliability, improve resiliency, and improved workplace efficiency.

Key projects in support of strategic priorities include:

- Complete Data Center Modernization
- Implement Cybersecurity Operations Center
- Continue Cloud First Technology
- IT Capital Investment Plan
 - SCADA Control System
 - Replace end-of-life systems
 - IT Infrastructure Upgrades

Business Technology & Process Enhancement

In the prior biennium, the IT Group completed a number of key projects and initiatives providing the foundation for Metropolitan's move to the cloud. This transformation to cloud computing will enhance productivity, streamline business

processes, enhance resiliency, reliability and security, and mitigate costs for the organization.

During the FY 2022/23 and FY 2023/24 biennium, IT will continue to implement projects in support of Metropolitan's strategic initiatives, including strengthening Metropolitan's cybersecurity capabilities by deploying new and emerging technologies and implementing a new security operations center, along with completing the data-center modernization project which will mitigate risks while enhancing IT infrastructure to support critical operations and deliver greater resiliency.

In addition, the planned technology upgrades will provide greater visibility and consolidation of IT costs and performance.

Information Systems Upgrades and Projects

IT continues to collaborate with business areas to enhance the capabilities of systems that achieve Metropolitan's operational goals and objectives. The following key projects include IT deliverables

that add value to the enterprise while delivering innovative solutions.

Data Center Modernization Project

Provides an upgrade of Metropolitan's data center(s) to meet current and future needs while enhancing our resiliency and redundancy capabilities.

Water Information Systems (WINS)

The WINS upgrade will include much needed enhancement features to Metropolitan's water billing system to allow for automation and increased mobile functionality.

The Enterprise Data Analytics Project

The Enterprise Data Analytics Project will develop a data and analytics strategy, implement best practices, and engage Metropolitan stakeholders on a technology blueprint to serve the data analytics needs of Metropolitan business groups.

Water Systems Control Master Plan

The Water Systems Control Master Plan provides a road map to fully coordinate and further protect the operational and business investments of Metropolitan's SCADA systems. The master plan defines a multi-phased approach for replacing/upgrading the control system critical to Metropolitan's operations, water delivery, water quality, and infrastructure monitoring.

AMR System RTUs and Radio Modem Upgrade

Project phases include the upgrade of the Automatic Meter Reader (AMR) system, implementation of radio modems, and replacement of the Remote Terminal Units (RTUs) in support of updating obsolete equipment.

Enterprise Content Management (ECM)

Continue to partner with Administrative Services on the ECM project for the implementation of an ECM application and for the optimization of digital assets on Metropolitan's network storage devices.

Once fully implemented, the ECM system will provide a framework for collaboration, automation, and enhancements of core business processes.

Wireless Network Infrastructure

Continue deployment of upgrades to improve the reliability, performance, and capacity of Metropolitan's wireless network infrastructure comprising microwave radio wide-area networks (WANs) and wireless access point local-area-networks (LANs).

Fuel Management System Upgrade

Fuel Management System Upgrade seeks to upgrade the system that enables management controls over fuel inventories, dispensing, and security to ensure operability, vendor support, and system reliability at Metropolitan facilities as a continuation of the refurbishment initiative.

Maximo Mobile Computing Upgrade

Maximo Mobile Computing Upgrade aims to replace existing mobile devices, used in Water Systems Operations, with mobile technology. This effort will enhance access to business information and vastly increase the functionality of the existing equipment.

Cybersecurity Project

The Cybersecurity Project will assess and remediate potential vulnerabilities and evolving cyber threats with an emphasis on implementing a security operations center (SOC) at Metropolitan.

Asset Monitoring and Management System

As part of the infrastructure reliability objective, the Asset Monitoring and Management System project seeks to develop a common framework to manage condition monitoring across Metropolitan's operations.

Payroll/Timekeeping

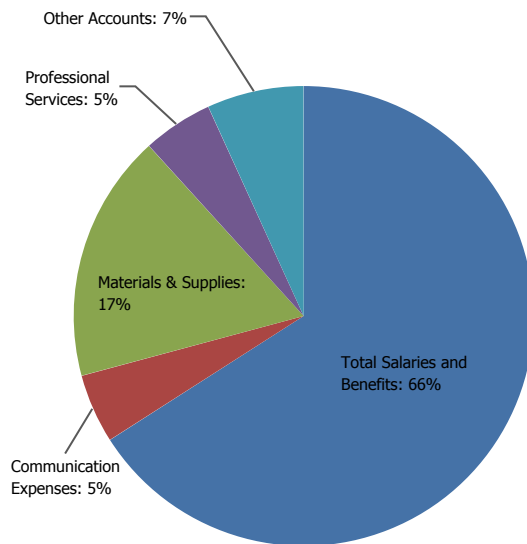
The Payroll/Timekeeping project seeks to upgrade and enhance PeopleSoft payroll and replace the current timekeeping software with a package that integrates with the payroll system and provides for ease-of-use interface for customers.

O&M FINANCIAL SUMMARY

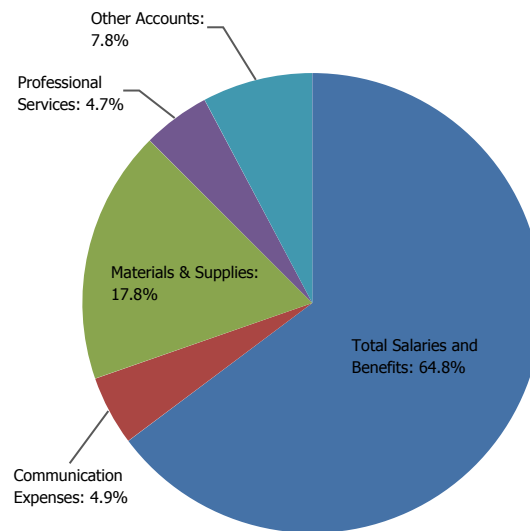
	2020/21 Actual	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Total Salaries and Benefits	32,791,961	33,340,537	35,296,616	1,956,079	36,472,999	1,176,383
Direct Charges to Capital	(2,643,640)	(1,490,986)	(1,675,060)	(184,074)	(1,731,640)	(56,580)
Total Salaries and Benefits	30,148,321	31,849,551	33,621,556	1,772,006	34,741,359	1,119,803
% Change		5.6%		5.6%		3.3%
Communication Expenses	2,190,086	2,060,370	2,477,800	417,430	2,629,200	151,400
Materials & Supplies	7,036,299	9,117,200	8,893,584	(223,616)	9,569,481	675,897
Outside Services - Non Professional / Maintenance	290,236	1,080,300	1,137,000	56,700	1,211,400	74,400
Professional Services	988,543	2,864,126	2,511,000	(353,126)	2,538,700	27,700
Repairs & Maintenance - Outside Services	941,092	1,643,700	1,766,500	122,800	2,324,500	558,000
Other Accounts	1,282,438	1,024,760	566,160	(458,600)	626,160	60,000
Total O&M	42,877,016	49,640,007	50,973,600	1,333,593	53,640,800	2,667,200
% Change		15.8%		2.7%		5.2%
Operating Equipment	589,989	528,100	244,013	(284,087)	181,385	(62,629)
Total O&M and Operating Equipment	43,467,005	50,168,107	51,217,613	1,049,506	53,822,185	2,604,571
% Change		15.4%		2.1%		5.1%

Totals may not foot due to rounding.

FY 2022/23 BUDGET BY EXPENDITURE



FY 2023/24 BUDGET BY EXPENDITURE



PERSONNEL SUMMARY

		2020/21 Actual	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Regular	Total	120	130	131	1	131	—
	O&M	112	123	125	2	125	—
	Capital	8	7	6	(1)	6	—
Temporary	Total	8	2	4	2	4	—
	O&M	6	2	4	2	4	—
	Capital	2	—	—	—	—	—
Total Personnel	Total	128	132	135	3	135	—
	O&M	119	125	129	4	129	—
	Capital	10	7	6	(1)	6	—

Totals may not foot due to rounding.

BUDGET HIGHLIGHTS

The Information Technology O&M biennial budget supports the need for Metropolitan to remain resilient, sustainable and innovative. This budget includes key investments on risk mitigation (cybersecurity), infrastructure replacement and refurbishment (data center relocation and modernization), transition to cloud-based computing and deployment of innovative technologies to support business process improvements.

Information Technology's biennial O&M and Operating Equipment budget is \$51.2 million in FY 2022/23 and \$53.8 million in FY 2023/24 or an increase of 2.1% and an increase of 5.1% respectively from the prior budget years. The changes are due primarily to the following key factors:

- Salaries and Benefits reflect negotiated labor increases and the increase of one position in FY 2022/23 to support key cybersecurity initiatives.
- Services within this biennial budget include costs associated with datacenter modernization to mitigate risk to Metropolitan while providing greater redundancy and resiliency capabilities.
- As part of the Cloud First strategy, this biennial budget includes on-going cloud services and consulting to facilitate the transforming of IT services to the cloud environment.
- Increases in communication expenses include co-location (for redundancy and resiliency), cloud-based connections, and new redundant circuits for field locations and increased capacity (bandwidth) to support Metropolitan's operational needs.
- Strengthen Metropolitan's cybersecurity capabilities by implementing a new security operations center and deploy new and emerging technologies to enhanced Metropolitan's cybersecurity countermeasures capabilities.
- Initiate end-of-life replacement/upgrade of the control system critical to Metropolitan's operations, water delivery, water quality, and infrastructure monitoring.

The following are significant changes by budget year:

FY 2022/23

Personnel-Related matters

Total personnel count increased from 130 to 131 FTEs for the FY 2022/23 budget, reflecting the increase of one FTE. to support key cybersecurity initiatives. District temporary increased by 2 FTEs to support cloud security administration, server administration, and increasing demand for IT services (UAV / drone missions).

Salaries and Benefits reflect negotiated labor increases and merit increases for qualified employees.

Professional Services

No significant change in professional services. The budget reflects IT support for critical on-call services for application enhancements, transition to cloud-based computing and other strategic IT priorities.

Communication Expenses

The budget reflects increases in communication expenses including co-location (for redundancy and resiliency), cloud-based connections, and new circuits for field locations and increased capacity (bandwidth) to support Metropolitan's operational needs.

FY 2023/24

Personnel-Related issues

Total regular personnel for O&M remained at 131 for the FY 2023/24 budget. Salaries and Benefits reflect negotiated labor increases.

Professional Services

No significant budget change in professional services for FY 2023/24.

Equipment Expensed

The budget decrease from FY 2021/22 reflects the completion of the PC Replacement Project and the transition to on-going support and replacement of break-fixes.

Materials and Supplies

No significant change in repairs and maintenance for FY 2022/23. Maintained flat budget.

Repairs and Maintenance

Increases to the budget for repairs and maintenance are attributed to hardware equipment (servers) coming off warranty, new Board Room A/V equipment, and expansion of Metropolitan network (FW).

Non-Professional Services

No significant change in repairs and maintenance for FY 2022/23. Maintained flat budget.

Communication Expenses

The budget increase in communication expenses includes inflationary factors and new circuits to improve Metropolitan's operational resiliency.

Equipment Expensed

No significant change in equipment expensed for FY 2023/24.

Materials and Supplies

The budget reflects inflationary increases for software licensing/support agreements, and continued transformation to cloud computing and the increased consumption of cloud services.

Repairs and Maintenance

Increases to the budget for repairs and maintenance are attributed to in-region and out-of-region datacenters, and associated hardware maintenance for servers, networking equipment, routers and switches supporting the business and SCADA networks.

Non-Professional Services

No significant change in repairs and maintenance for FY 2022/23. Maintained flat budget.

Operating Equipment - FY 2022/23 and FY 2023/24

The operating equipment budget reflects the critical replacement of IT equipment that has reached end-of-life, including hardware (servers and storage devices), and GIS-Workstations to supporting Metropolitan operations.

The operating equipment budget continued to decrease in FY 2022/23 and 2023/24 and is primarily attributed to fewer server replacements due to the Cloud First Technology approach. In addition to the reduction of physical servers, corresponding reductions of storage (SAN) requirements also reduces operating equipment expenses.

REAL PROPERTY

Real Property applies strategic approaches to the acquisition, management and protection of Metropolitan's real property assets, and seeks to effectively optimize revenues and control land management costs.

PROGRAMS

Real Property accomplishes its mission through the following programs or organizations:

Office of the Group Manager includes Business Management, Planning & Acquisition, Property Management, and Asset Management. The Group Manager directs the group's efforts in planning acquiring, and managing Metropolitan's real property assets; is responsible for the development of real property policies and strategies to centralize Metropolitan's land activities to ensure properties are maintained, secured, and protected for present and future needs.

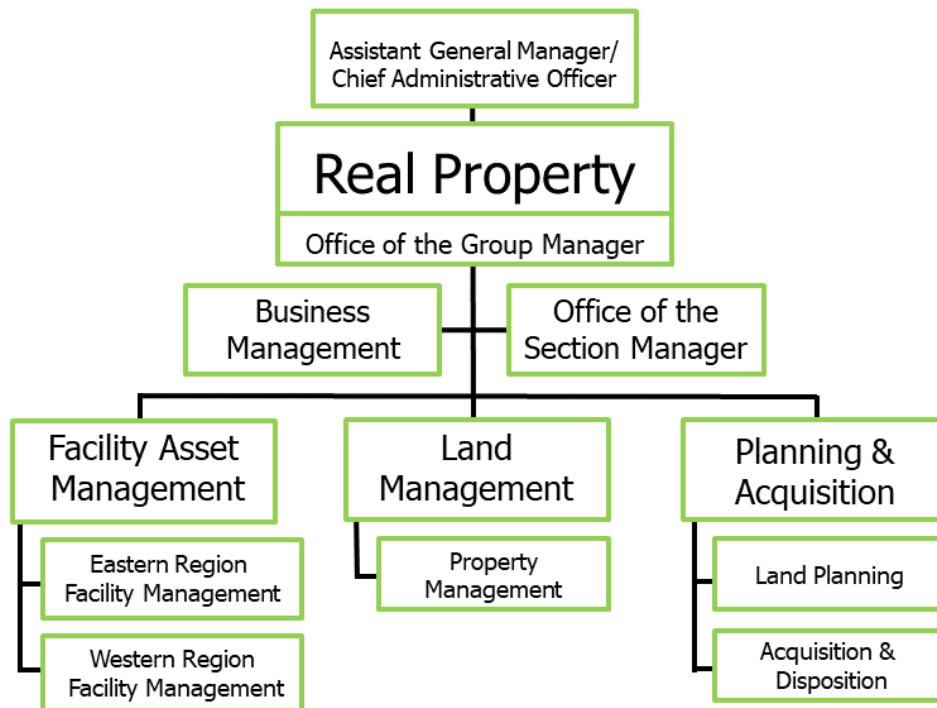
Business Management monitors and tracks the group's business plan, financial and budgetary initiatives; and provides administrative and business process support. In addition, the Team handles property tax payments, lease payments, provides contract support, and board letter and report coordination.

Planning & Acquisition is responsible for right of way planning and acquisition of real property and

real property rights for future conveyance and distribution programs and existing infrastructure rehabilitation programs. The unit is also responsible for the disposition of surplus properties.

Property Management is responsible for managing Metropolitan's real property assets, processing requests for secondary uses of real property and identification of properties that are excess to Metropolitan's needs. In addition, the Unit is responsible for the protection of Metropolitan's real property including site inspections, trespass and encroachment resolution.

Asset Management is responsible for management of Metropolitan's headquarters facility, the DVL Visitor Center and provides management and maintenance of employee housing.



GOALS AND OBJECTIVES

In FY 2022/23 and FY 2023/24, Real Property will focus on the following key issues:

Centralized Management of Metropolitan's Real Property Assets

Continue with a centralized management approach of Metropolitan's real property assets to ensure properties are regularly maintained, secured and protected for present and future needs.

Continue and complete the managerial reorganization of employee housing to the Real Property Group.

Implement and test a staffing plan, a maintenance/replacement schedule and cost estimates for the property management of approximately 100 desert housing units.

Continue to budget, administer, and provide property and facility management services for the leased office space in Sacramento, Washington DC, and San Diego.

Continue facility management direction and logistical support throughout the Union Station Headquarters Improvement Project.

Real Property Asset Protection & Stewardship

Monitor legislation regarding eminent domain, relocation assistance, and public agency real estate acquisition and appraisal practices.

Provide timely and suitable responses to property adjacent projects, land developments, and environmental proceedings.

Complete property management and right-of-way operating policies to reflect contemporary best practices.

Implement a new web-enabled right of way software and property management solution to improve processes to monitor financial compliance with terms and conditions of licensing and leasing agreements such as invoicing, insurance coverage, and accounts receivable.

Develop a staffing and implementation plan to detect and address right-of-way encroachments upon Metropolitan properties with a collaborative cross-functional approach to prioritize and remediate the highest risk conditions. Complete annual reviews to identify properties that are excess to Metropolitan's needs, and bring information to the Board for action to declare those properties surplus.

Coordinate a monthly cross-functional Property Review Council to review land-use requests by public and private entities to ensure Metropolitan's rights-of-way, facilities, environmental reserves and water quality are protected.

Complete annual site inspections of conveyed property to identify and correct any conditions in conflict with terms and conditions of the conveyance agreements.

File possessory tax reports and tax payments to appropriate counties on time.

Bay Delta Properties

Complete and start implementation of a specific comprehensive Land Management Plan to optimize use and best land owner management practices.

Maximize utilization of the 20,000 acres of agricultural lands and revenue-leases purchased in the Delta to offset costs of land ownership.

Ensure Water Reclamation District assessments, local property taxes and coalition fees are paid on time.

Provide support to the Delta conveyance and habitat rehabilitation efforts.

Palo Verde Valley Properties

Complete and start implementation of a specific comprehensive Land Management Plan to optimize use and best land owner management practices.

Manage Metropolitan's 29,000 acres of agricultural lands and revenue-leases to encourage a vibrant farming economy, water conservation, and to offset costs of land ownership.

Ensure Palo Verde Irrigation District water tolls, local property taxes, and coalition fees are paid by

the farmers and lease-holders on time.

Diamond Valley Lake Recreation and Management

Identify infrastructure improvements as part of the Diamond Valley Lake Recreation capital appropriation. These projects will enhance recreational opportunities and promote economic self-sustainability.

Explore marina and other recreational opportunities to expand lease revenues, and collaborate with the stakeholders of the DVL Recreation Area Memorandum of Intent.

Identify additional DVL land considered excess to Metropolitan's needs, and bring to the Board for action to declare those properties surplus.

Right of Way Planning, Acquisition & Disposition

Provide right-of-way planning and acquisition of real property and real property rights, including appraisal and relocation services, for future conveyance and distribution programs and infrastructure rehabilitation programs. These include the Regional Recycled Water Program, Right of Way & Infrastructure Protection Program and the Prestressed Concrete Cylinder Pipeline Rehabilitation Program.

Other projects include the CRA Reversionary Interest that is tied to the 1932 Act, which supports water supply reliability. Lastly, services include disposition of surplus properties.

Facility & Energy Management

Continue to optimize the cost of maintaining Metropolitan's headquarters building and DVL Visitor's Center while supporting Metropolitan's sustainability initiatives established by the Building Owners and Managers Association and EPA's voluntary ENERGY STAR program.

Execute a multi-year strategic approach to manage critical rehabilitation projects at Metropolitan's Headquarters as the equipment, components, and furnishings reach the end of their useful life cycle.

Complete an architectural plan and begin implementation to paint, carpet, and replace cubicle/modular furniture on all floors of the Headquarters facility.

Continue to manage employee relocations during the construction phase of the Union Station Headquarters Improvement Project.

Complete a multi-year plan, implemented in the prior budget cycle, to replace asphalt and pavement at DVL recreation areas and roads.

Workforce Development & Succession Planning

Expand knowledge, skills, and abilities of staff through training, succession planning, and educational workshops.

Engage with local universities and professional societies to promote Metropolitan employment opportunities.

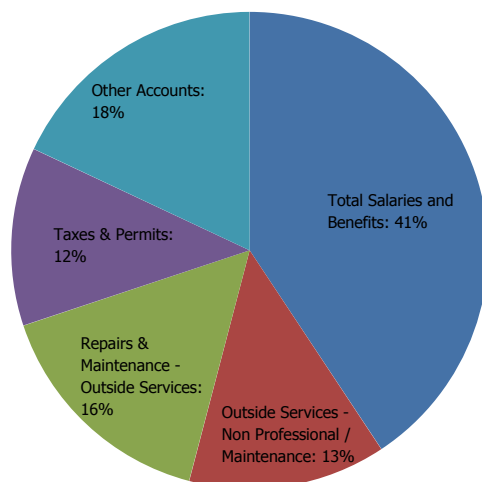
Collaborate with public agencies to identify areas where consistent real property best practices can be applied.

O&M FINANCIAL SUMMARY

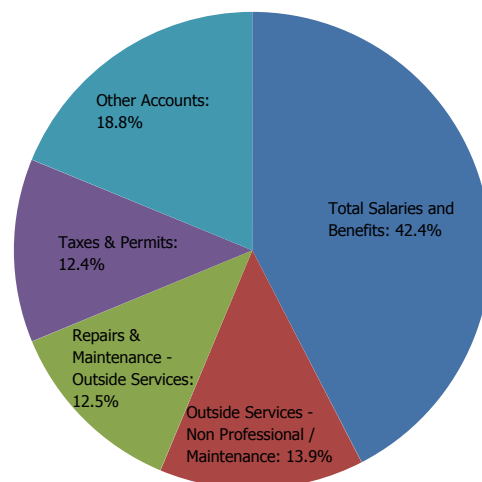
	2020/21 Actual	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Total Salaries and Benefits	11,283,075	13,521,011	13,433,727	(87,284)	14,060,616	626,889
<i>Direct Charges to Capital</i>	<i>(893,666)</i>	<i>(1,939,027)</i>	<i>(557,084)</i>	<i>1,381,943</i>	<i>(607,753)</i>	<i>(50,669)</i>
Total Salaries and Benefits	10,389,409	11,581,984	12,876,643	1,294,660	13,452,863	576,220
% Change		11.5%		11.2%		4.5%
Materials & Supplies	1,180,954	788,900	1,118,100	329,200	1,118,600	500
Outside Services - Non Professional / Maintenance	3,136,346	4,149,200	4,241,100	91,900	4,402,300	161,200
Professional Services	601,769	1,311,600	1,221,025	(90,575)	1,394,251	173,226
Rent & Leases	1,008,396	1,138,851	1,179,700	40,849	1,226,500	46,800
Repairs & Maintenance - Outside Services	2,437,276	3,492,000	5,002,500	1,510,500	3,951,500	(1,051,000)
Taxes & Permits	5,724,132	6,346,718	3,828,000	(2,518,718)	3,943,000	115,000
Utilities Charges	1,254,298	1,834,800	1,742,000	(92,800)	1,742,000	—
Other Accounts	300,587	469,980	441,510	(28,470)	462,560	21,050
Total O&M	26,033,165	31,114,033	31,650,579	536,546	31,693,575	42,996
% Change		19.5%		1.7%		0.1%
Operating Equipment	7,122	21,000	503,170	482,170	—	(503,170)
Total O&M and Operating Equipment	26,040,287	31,135,033	32,153,749	1,018,716	31,693,575	(460,174)
% Change		19.6%		3.3%		(1.4%)

Totals may not foot due to rounding.

FY 2022/23 BUDGET BY EXPENDITURE



FY 2023/24 BUDGET BY EXPENDITURE



PERSONNEL SUMMARY

		2020/21 Actual	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Regular	Total	48	53	55	2	55	—
	O&M	44	46	52	7	52	—
	Capital	4	8	3	(5)	3	—
Temporary	Total	2	7	5	(2)	5	—
	O&M	2	5	5	—	5	—
	Capital	—	2	—	(2)	—	—
Total Personnel	Total	51	60	60	0	60	—
	O&M	46	50	57	7	57	—
	Capital	4	10	3	(7)	3	—

Totals may not foot due to rounding.

BUDGET HIGHLIGHTS

Real Property's O&M and Operating Equipment Biennial Budget is \$32.2 million in FY 2022/23 and \$31.7 million in FY 2023/24 or an increase of 3.3% and a decrease of 1.4%, respectively from the prior budget years. The main factors affecting these changes:

- Expanded responsibilities for the group, including the management, maintenance and construction of Employee District Housing and recreation areas throughout the service area.
- Large maintenance and repair projects at Metropolitan's USHQ Facility, DVL Visitor Center and property structures in the Bay Delta and Palo Verde Valley.
- Significant efforts related to encroachment remediation, appraisal and marketing of surplus properties, and office relocation services during the Union Station Headquarters Improvement Project.

The following are the significant changes by budget year:

FY 2022/23

Personnel-Related Issues

Total personnel count is increasing by two regular full time positions from the FY 2021/22 budget. These positions are necessary to support critical district housing projects and land protection projects.

Capital labor allocation reflects a decrease from FY 2021/22 as a result of the completion of some projects related to the Union Station Headquarters Improvement Project, the USHQ Fire Alarm replacement, and Desert Village enhancements.

Salaries and benefits reflect negotiated labor increases and merit increases for qualified employees.

Non-Professional Services

The budget reflects an increase from the FY 2022/23 budget as a result of an increase in necessary contracts needed to support: weed abatement, pool services, pest control, and a new wellness center for our desert housing facilities.

Repairs and Maintenance - Outside Services

The budget reflects an increase in FY 2022/23 due to repairs and demolition of structures at our desert housing and in-town housing. In addition, the increase will support our support of encroachments and trespassing remediation efforts.

Taxes & Permits

The budget reflects decrease to annual property tax payments, due to this responsibility being allocated to the Bay Delta Initiatives group.

FY 2023/24

Personnel-Related Issues

Total personnel count is is not changing in FY 2023/24.

Salaries and Benefits reflect negotiated labor increases and merit increases for qualified employees.

Non-Professional Services

The budget reflects an increase in FY 2023/24 in order to provide additional security for the DVL trail system which is expected to open in FY 2023/24, along with adding portable restrooms for the trails and cost of living increases for our janitorial and building engineer contracts.

Repairs and Maintenance - Outside Services

The budget decrease in FY 2023/24 reflects the completion of certain projects, including the DVL Visitor's Center parking lot resurfacing, partial carpet replacement and courtyard recaulking at USHQ, and demolition of select structures.

Operating Equipment - FY 2022/23 and FY 2023/24

The operating equipment budget for FY 2022/23 reflects the need for six trucks, necessary to support maintenance and inspections throughout the desert villages. The budget also includes the purchase of one boat in FY 2022/23, necessary for maintenance and inspections at the DVL Marina.

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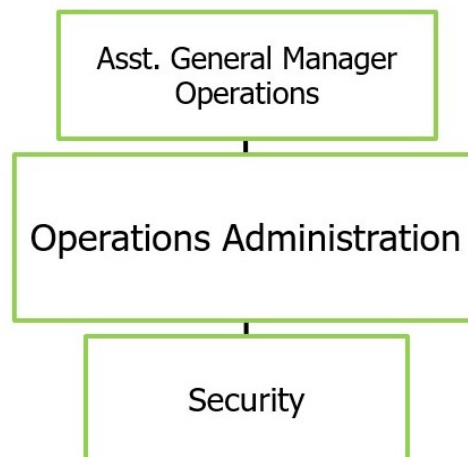
OPERATIONS ADMINISTRATION

Operations Administration provides security management services which protect Metropolitan's Board of Directors, executive management, employees, and physical assets and keep Southern California's critical infrastructure secure.

PROGRAMS

The newly established Operations Administration group accomplishes its mission through the following program or section:

Security Management provides cost-effective and innovative protection of Metropolitan's employees, patrons, infrastructure and equipment.



GOALS AND OBJECTIVES

In FY 2022/23 and FY 2023/24, Operations Administration will focus on the following key issues and initiatives:

Security Management

Implement a Security Strategic plan that is aligned with District goals and objectives and provides for an incremental and phased approach for obtaining resources, including staff, equipment and technology.

Publish specifications for security infrastructure, based on regulatory requirements and industry best practices.

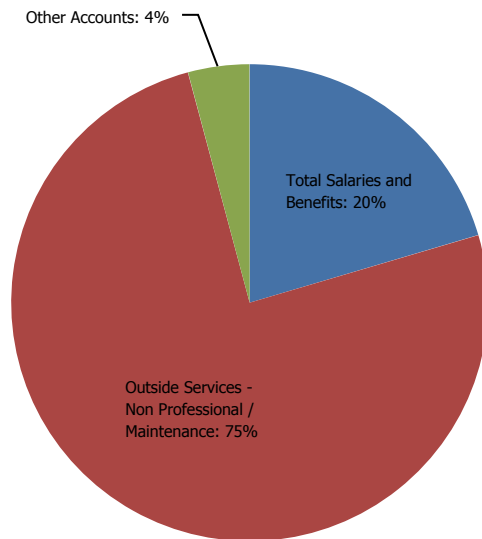
Formalize conceptual approval on capital project plans and specifications to ensure security opportunities and considerations are incorporated.

O&M FINANCIAL SUMMARY

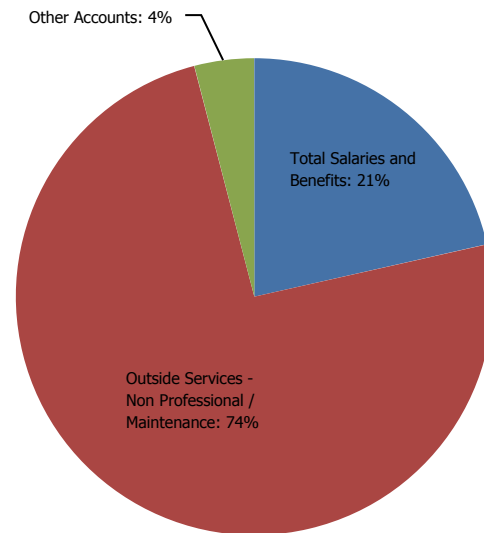
	2020/21 Actual	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Total Salaries and Benefits	2,474,792	2,860,476	3,148,410	287,934	3,352,186	203,776
<i>Direct Charges to Capital</i>	—	—	—	—	—	—
Total Salaries and Benefits	2,474,792	2,860,476	3,148,410	287,934	3,352,186	203,776
% Change		15.6%		10.1%		6.5%
Outside Services - Non Professional / Maintenance	9,610,741	10,059,000	11,625,000	1,566,000	11,625,000	—
Other Accounts	545,944	633,200	641,150	7,950	631,850	(9,300)
Total O&M	12,631,476	13,552,676	15,414,560	1,861,884	15,609,036	194,476
% Change		7.3%		13.7%		1.3%
Operating Equipment	—	—	68,421	68,421	67,343	(1,079)
Total O&M and Operating Equipment	12,631,476	13,552,676	15,482,981	1,930,305	15,676,379	193,398
% Change		7.3%		14.2%		1.2%

Totals may not foot due to rounding.

FY 2022/23 BUDGET BY EXPENDITURE



FY 2023/24 BUDGET BY EXPENDITURE



PERSONNEL SUMMARY

		2020/21 Actual	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Regular	Total	9	11	11	—	11	—
	O&M	9	11	11	—	11	—
	Capital	—	—	—	—	—	—
Temporary	Total	—	—	1	1	1	—
	O&M	—	—	1	1	1	—
	Capital	—	—	—	—	—	—
Total Personnel	Total	9	11	12	1	12	—
	O&M	9	11	12	1	12	—
	Capital	—	—	—	—	—	—

Totals may not foot due to rounding.

BUDGET HIGHLIGHTS

The Operations Administration group's Biennial Budget is \$15.5 million in FY 2022/23 and \$15.7 million in FY 2023/24 or an increase of 14.2% and an increase of 1.2% respectively from the prior budget years. The increase is due primarily to the following:

- The development and implementation of Metropolitan's Security Strategic Management Plan requires additional labor and non-labor resources in order to meet vulnerability assessment recommendations.

The following are the significant changes by budget year:

FY 2022/23

Personnel-Related Issues

Total personnel count is increasing by one district temporary position from the FY 2021/22 budget. The increase in district temporary labor is necessary to provide ongoing coverage for each of the treatment and pump plants. The added position can be rapidly deployed to resume security coverage and functions in the impacted area or responsibility should any of the security specialists be on leave, in training, or have circumstances that prevent them from fulfilling their duties.

Salaries and benefits reflect negotiated labor increases and merit increases for qualified employees.

Non-Professional Services

The budget increase from FY 2021/22 is associated with increased security staffing and coverage, as well as an increase in certified security services, in order to provide enhanced security at headquarters and other facilities to meet vulnerability assessment recommendations..

FY 2023/24

Personnel-Related Issues

Total personnel count remains flat with the FY 2022/23 budget.

Salaries and benefits reflect negotiated labor increases and merit increases for qualified employees.

Non-Professional Services

Non-Professional services remains flat with the FY 2022/23 budget.

Operating Equipment – FY 2022/23 and FY 2023/24

The operating equipment budget for Operations Administration reflects the need for two trucks. These vehicles, outfitted with specialized packages not available to the general public, will provide additional protection and personal safety for our security personnel and support them as they keep Metropolitan's facilities secure.

EXTERNAL AFFAIRS

External Affairs builds awareness and support for Metropolitan's mission and programs by directing media and stakeholder communications, public outreach and education projects, legislative activities, business outreach and innovation programs, and member agency support services.

PROGRAMS

External Affairs is responsible for advancing Metropolitan's policy objectives and communicating with large and diverse audiences on behalf of the district. A strong portfolio of communication tools, media services, public outreach and sponsorship programs, education, legislative and innovation activities is used to build positive working relationships and increase awareness of Metropolitan's programs and initiatives with the public, news media, legislators, regulators, educators, community groups, businesses, labor organizations, Metropolitan's public member agencies and other stakeholders.

Staff at the Union Station headquarters and regional representatives give voice to Metropolitan's policy priorities and projects throughout Southern California. External Affairs also manages strategic activities and regional outreach from Metropolitan's offices in Sacramento, Washington, D.C. and San Diego.

Office of Group Manager directs the activities of Business Outreach, Conservation and Community Services, Legislative Services, Media Services and the Member Services and Public Outreach sections, and the Business Management team. The Group Manager leads policy objectives and program initiatives in coordination with the board, executive management and other groups within the organization.

Legislative Services promotes and protects the interests of Metropolitan and its member agencies before executive, legislative, and regulatory agencies of the state and federal governments. The section advances Metropolitan's policy objectives and board-

adopted legislative priorities and principles with legislators and other water policymakers, and engages with member agencies and diverse community partners to mobilize and sustain regional support for Metropolitan's key initiatives.

Conservation and Community Services

advances public awareness of Metropolitan and important water and conservation issues through advertising, education and community outreach. The section promotes and helps market conservation programs and activities, and manages Metropolitan's sponsorships for education and research programs, water forums, events and community partnerships.

The Education Unit supports standards-based water education curriculum and works with educational associations, institutions and teachers to provide water education resources for elementary and secondary schools, colleges and universities.

Member Services and Public Outreach

provides support services to Metropolitan's member agencies and manages outreach efforts for Metropolitan's facility operations, construction activities and other water resource initiatives. The section works with and supports local government, business, agriculture and community organizations, and directs research efforts to support Metropolitan programs.

The Inspection Trip Team conducts board-sponsored and other special inspection trips that offer firsthand knowledge of Metropolitan's operations, introduce current water issues, and communicate Metropolitan's role in responding to

those issues through its facilities, infrastructure, policies, and programs.

The Community Relations Team manages communications and outreach to support Metropolitan's initiatives for new and existing in-region water infrastructure projects. Working in cooperation with Engineering Services, Water System Operations, Real Property and Environmental Planning, the team plans and conducts external outreach for Metropolitan's capital and O&M projects, including the Regional Recycled Water Program. The Community Relations Team serves as a liaison between Metropolitan and the community. The team works with residents, businesses and communities to inform them of upcoming activities and resolve issues. The team helps gain support of projects, manages expectations, and develops trusted relationships to ensure that Metropolitan projects move forward..

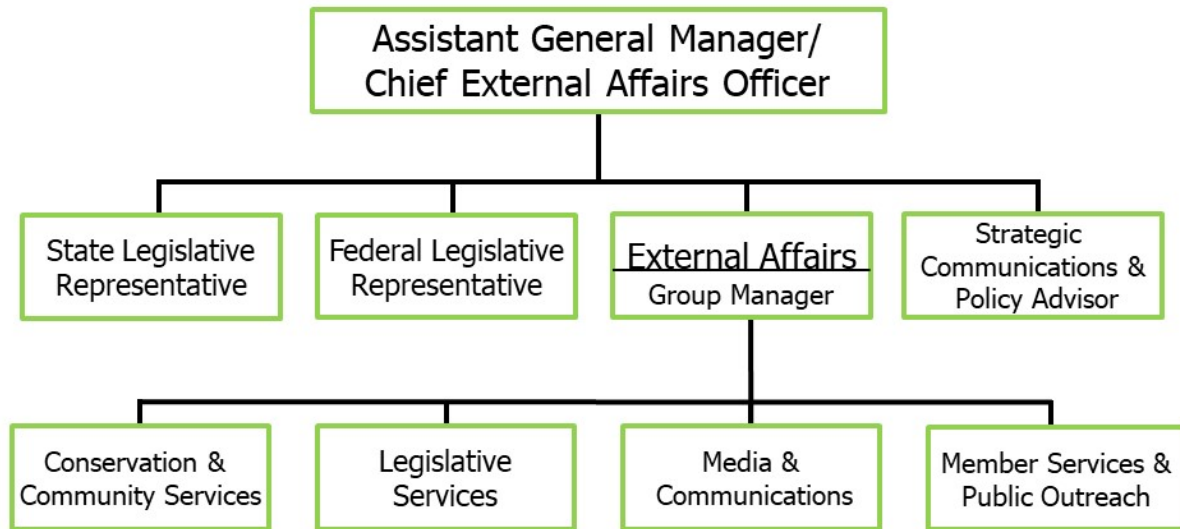
Media and Communications develops, coordinates, produces and communicates messages, information and achievements to support Metropolitan's key objectives and programs. The section comprises Media Services, Graphic Design and Creative Design teams.

Media Services is responsible for handling media inquiries, drafting and issuing press releases, hosting press conferences and other media events,

and producing informational resources and materials, including fact sheets, talking points, brochures and opinion pieces. Media Services also manages Metropolitan's websites, maintains Metropolitan's growing presence on social media platforms and digital platforms, and produces e-newsletters and blogs.

The Graphic Design Team provides Metropolitan's centralized, in-house graphic communication services. Areas of responsibility include all phases of desktop publishing and design and press-ready artwork using traditional and/or digital media; commercial art and technical illustration.

The Creative Design Team was recently established in response to Metropolitan's growing in-house execution of professional media assets, including internal and external video projects and digital advertisements. The team conceptualizes the priorities in visual and compelling ways and devises complex plans using print, video, web, social media, and other similar platforms to communicate to Metropolitan's diverse public audiences and vested stakeholders; Based on Metropolitan service area needs and internal client requests, the team uses project specifications to translate messaging designs.



GOALS AND OBJECTIVES

In FY 2022/23 and FY 2023/24, External Affairs will focus on the following key issues and objectives:

Communications and Outreach Efforts

Expand and continue to improve the use of strategic, impactful and creative communication plans and programs to inform the public, businesses, environmental and other stakeholder groups about Metropolitan's initiatives and leadership to ensure safe, reliable and sustainable water supplies now and into the future.

Maintain content and informational resources on the newly redesigned mwdh2o.com website, manage development of redesigned microsites as needed to improve the functionality, content management, security and end-user experience.

Develop in-house management of social media outreach and marketing activities, search engine optimization and marketing functions to meet business and outreach goals.

Strengthen the capacity of sponsorship and partnership programs, including the Community Partnering Program, legislative sponsorships and

memberships, and enhance information sharing on water issues and stewardship, and maintain strong relationships with non-governmental organizations, business groups, local elected officials, community organizations and other stakeholder groups throughout Southern California.

Engage in research and related activities that provide accurate and timely information on public opinions, consumer attitudes and awareness to inform future outreach activities with member agencies, stakeholders and the public.

Water Supply Reliability, Conservation and Sustainability

Develop and implement an effective and well-managed multimedia, multilingual advertising and outreach campaign to increase public awareness of water supply conditions, Metropolitan and member agency rebate programs, and support for long-term conservation strategies.

Provide communication support for Metropolitan programs, planning activities and projects that ensure water supply reliability, including existing

water operations, imported supplies from the Colorado River and State Water Project, the Integrated Resource Plan and local resource programs that diversify the region's water portfolio, conservation actions and innovative water technologies.

Increase awareness of Metropolitan's long-standing efforts to promote environmental stewardship through actions and investments for projects, programs, research and collaborative activities that promote the use of native plants, protect and enhance habitat and ecosystems, watersheds, and water quality.

Promote public awareness of climate change impacts on water supply conditions and reliability using a range of community and outreach tools to support Metropolitan's current and future initiatives, including the Climate Action Plan.

Bay-Delta and Local Supply Initiatives

Provide information and secure support of stakeholders, the public and legislators for Metropolitan's positions on policies that promote water supply reliability and an environmentally sustainable Bay-Delta. This includes programs and policies related to Delta conveyance, EcoRestore and Metropolitan-owned properties and science investments in the Delta.

Ensure strong coordination and consistent messaging with state and federal agencies, State Water Contractors, JPA-participating agencies, and member agencies on activities related to Delta conveyance.

Provide communication and community outreach to increase public awareness of and support for projects to advance local supply development, including the Regional Recycled Water Advanced Purification Center.

Legislative Policy Objectives

Work with the board, member agencies and executive management to secure support for and/or sponsorship of federal and state legislation and regulatory policies that advance Metropolitan's policy objectives, including strategic water quality and supply initiatives, conservation, Delta solutions, regional water resources projects, and sustainable water and energy management.

Conduct briefings, presentations and tours for elected officials, government leaders, and community-based environmental and business organizations to increase understanding of key water infrastructure systems, investments and key legislative and regulatory policies.

Board and Member Agency Support

Facilitate ongoing communication and coordination between Metropolitan and its member agencies through regular meetings with general managers, legislative and education coordinators, and public information officers.

Effectively manage the inspection trip program in coordination with the Board to educate the public, business and community leaders, elected officials, news media, and members of the public about Metropolitan and encourage a dialogue about the state's water supply and infrastructure, environmental issues and climate change impacts, agriculture and urban water interface and future challenges.

Provide primary support to the Board's Communications and Legislation Committee, the Agriculture and Industry Relations Committee, and the ad hoc Facilities Naming Committee, ensuring that committee presentations, Board letters and associated activities provide timely, accurate and relevant information on programs, trends and activities to help inform Board actions and ensure transparency.

Educational Programs

Update and expand distribution of Metropolitan's K-12 water education materials in the areas of science, math, language arts and social studies.

In coordination with member agencies and the educational community, explore opportunities to expand educational services through the use of new technologies and strategic partnerships to reach more students, teachers and classrooms, including underserved and culturally diverse populations. Support and manage Metropolitan's unique educational programs, including water education grants and sponsorship opportunities, the annual Solar Cup competition, and the annual Student Art Contest.

Emergency Management and Crisis Communication

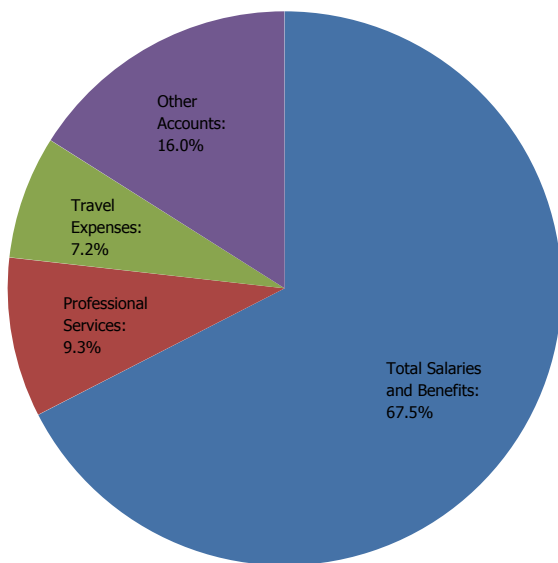
Support Metropolitan's emergency preparedness with a responsive crisis communications plan, well-trained staff, and the use of social media and other communications technologies to provide essential services during times of emergency and in response to disasters.

O&M FINANCIAL SUMMARY

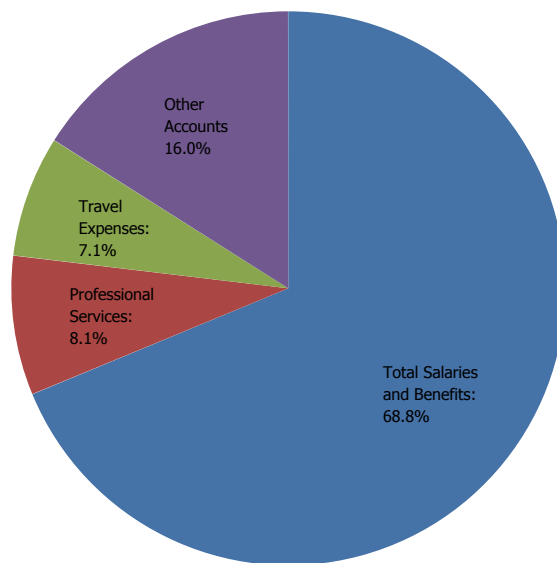
	2020/21 Actual	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Total Salaries and Benefits	17,036,925	17,666,236	17,725,370	59,134	18,346,581	621,211
Direct Charges to Capital	(28,090)	—	—	—	—	—
Total Salaries and Benefits	17,008,835	17,666,236	17,725,370	59,134	18,346,581	621,211
% Change		3.9%		0.3%		3.5%
Advertising	243,565	610,000	695,000	85,000	695,000	—
Community Outreach Activities	183,000	400,000	524,000	124,000	550,000	26,000
Memberships & Subscriptions	549,813	653,395	774,394	120,999	778,544	4,150
Outside Services - Non Professional / Maintenance	169,134	605,800	848,600	242,800	848,800	200
Professional Services	1,699,917	2,967,050	2,451,771	(515,279)	2,168,744	(283,027)
Sponsorships	85,250	514,000	545,000	31,000	545,000	—
Travel Expenses	541	1,929,500	1,890,000	(39,500)	1,890,500	500
Other Accounts	246,384	861,419	823,329	(38,090)	888,929	65,600
Total O&M	20,186,439	26,207,400	26,277,464	70,064	26,712,098	434,634
% Change		—		—		—
Operating Equipment	—	—	152,673	152,673	—	(152,673)
Total O&M and Operating Equipment	20,186,439	26,207,400	26,430,136	222,736	26,712,098	281,962
% Change		29.8 %		0.8 %		1.1 %

Totals may not foot due to rounding.

FY 2022/23 BUDGET BY EXPENDITURE

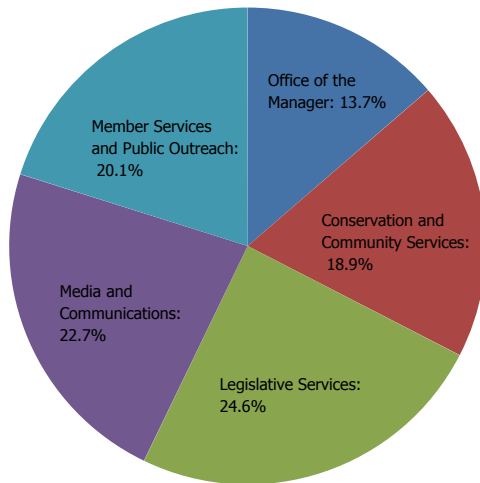


FY 2023/24 BUDGET BY EXPENDITURE

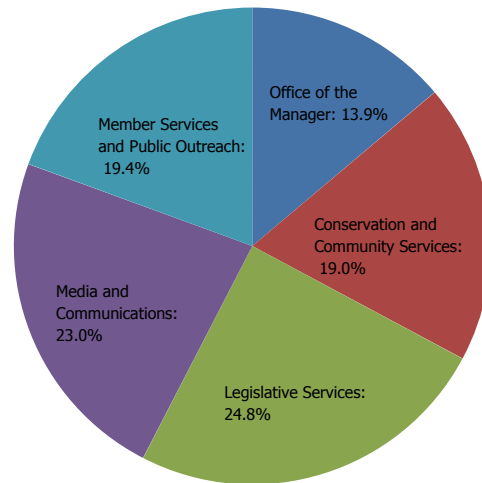


O&M BUDGET BY SECTION

FY 2022/23 BUDGET BY SECTION



FY 2023/24 BUDGET BY SECTION



	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23	Personnel Budget		
						21/22	22/23	23/24
Office of the Manager	4,094,600	3,593,700	(500,900)	3,700,100	106,400	9	9	9
Conservation and Community Services	4,929,500	4,968,000	38,500	5,068,200	100,200	11	12	12
Legislative Services	6,590,800	6,457,900	(132,800)	6,614,000	156,100	13	13	13
Media and Communications	5,385,000	5,971,100	586,100	6,145,000	173,900	19	20	20
Member Services and Public Outreach	5,207,500	5,286,700	79,100	5,184,800	(101,900)	10	10	10
Total O&M	26,207,400	26,277,500	70,100	26,712,100	434,600	62	64	64

Totals may not foot due to rounding.

PERSONNEL SUMMARY

		2020/21 Actual	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Regular	Total	63	62	63	1	63	—
	O&M	63	62	63	1	63	—
	Capital	—	—	—	—	—	—
Temporary	Total	0	—	1	1	1	—
	O&M	0	—	1	1	1	—
	Capital	—	—	—	—	—	—
Total Personnel	Total	63	62	64	2	64	—
	O&M	63	62	64	2	64	—
	Capital	—	—	—	—	—	—

Totals may not foot due to rounding.

BUDGET HIGHLIGHTS

External Affairs' O&M and Operating Equipment Biennial Budget is \$26.4 million in FY 2022/23 and \$26.7 million in FY 2023/24 or an increase of 0.8% and an increase of 1.1%, respectively from the prior budget years, due to increased costs for salaries and benefits.

In an effort to achieve savings for non-labor activities, the External Affairs budget incorporates efficiencies while maintaining the core programs to support communication and outreach through a wide range of programs, business and community partnerships, education initiatives, legislative activities and media presence.

- Advertising: In FY 2021/22, spending for advertising was reduced to \$610,000, from the prior year's \$1.3 million. By utilizing in-house resources for video services, design, social media marketing and member agency partnerships, External Affairs was able to continue its award-winning outreach and marketing efforts to promote rebates, native plants and water-use efficiency with cost savings over outsourcing. For FY 2022/23 and FY 2023/24, External Affairs has budgeted \$695,000 for each year of the biennium. This 13.9% increase over FY 2021/22 will advance the Board-directed conservation messaging through multilingual multimedia advertising to diverse audiences and will provide for new community outreach activities to support the Regional Recycled Water Program.
- Community Outreach: External Affairs will continue to provide a full range of communications and public outreach support for local supply development, capital projects and other major initiatives to promote water supply reliability, drought response, conservation and sustainability. Outreach priorities include infrastructure and rehabilitation projects, such as Delta Conveyance and Colorado River Aqueduct refurbishment. External Affairs also continues to budget for partnerships with community and environmental organizations that expand outreach consistent with direction from the general manager and board, including the outreach efforts that support construction activities expand job development and contracting opportunities.
- In FY 2022/23 and FY 2023/24, External Affairs will increase investments in Regional Recycled Water Program outreach with consultant support services, purchase of the Learning Center trailer, and support for regional recycled water communications with member agencies, impacted communities and organizations. This is in alignment with the Board-approved \$900,000 for outreach during the environmental planning phase of the Regional Recycled Water Program.
- Other outreach efforts include travel funding for a post-pandemic return to operational inspection trips and funding for public attitudes and awareness research to support conservation campaigns and other outreach priorities.
- Board Outreach Support: Resources are provided to support outreach activities by Metropolitan's Board and the general manager, including participation at conferences and community events, media support and training, coordination with member agencies for education, communication and legislative services, and logistical support. External Affairs will manage and monitor expenditures for professional services funding and for partnerships, sponsorships and memberships to support and communicate Metropolitan's mission, enhance collaboration with current and new organizations as directed by the general manager and executive management, and to partner on projects that reach diverse audiences throughout the region.

The following are the significant changes by budget year:

FY 2022/23

Personnel-Related Issues

The total personnel count has been reduced from 70 FTEs to 63 FTEs, which reflects one new position to support added media and communications demands; the reorganization of the Business Outreach Program and its 7 FTEs to the Diversity, Equity and Inclusion section; and the transfer of one Special Projects Manager to the Office of the General Manager -Colorado River Resources. Additionally, there was one FTE transferred into External Affairs from Administrative Services and one FTE transferred out to support workforce development in the Diversity, Equity and Inclusion program for zero additional impact, leaving the total number of FTEs at 63.

In support of the Education Unit and Metropolitan's commitment to advancing career technical education, District Temporary staff funding has been requested for one part-time teacher and one part-time student intern to staff the career technical education efforts.

Other

The total proposed O&M budget for the External Affairs group shows an increase over FY 2021/22 of 0.27% in FY 2022/23, followed by an increase of 1.65% in FY 2023/24.

Memberships and Subscriptions funding have been increased from FY 2021/22 level of \$653,395 to \$774,394 in FY 2022/23. This 18.5% increase will allow for new and continued partnerships that align with priorities of the Board and executive management and will advance Metropolitan's programs and initiatives.

Other non-labor planning and budgeting for External Affairs includes the return of both the state and federal annual legislator inspection trips, and 12 in-person community leader briefings throughout the service area each year of the biennium.

This budget allows for development of curriculum and new partnerships in support of diversity, equity and inclusion, career technical education programs and distance learning, including new programs focused on climate change and environmental justice.

Operating Equipment

The budget reflects operating equipment requests for FY 2022/23, to replace two vehicles being aged out pursuant to Operations/Fleet policy. The aging vehicles are assigned to inspection trip managers for the purpose of conducting inspection trips for the Board of Directors, as well as other educational trips and tours of the California water system and of Metropolitan facilities.

In addition to replacing the aging inspection trip vehicles, External Affairs is requesting one specialized van to support the increased demand for in-house communications, media, photography and video services. This vehicle will safely secure and transport Metropolitan's Creative Design Team's expensive and specialized equipment and allow for more streamlined and real-time logistical support for the general manager, executive staff, Board of Directors.

FY 2023/24

Personnel–Related Issues

The labor budget remains flat with the FY 2022/23 budget at a total of 63 FTEs. Salary and Benefit dollar increases reflect negotiated labor and merit increases for qualified employees.

Other

In FY 2023/24, External Affairs has budgeted for the purchase of the Regional Recycled Water Learning Center trailer at the Carson site. This end-of-lease purchase is budgeted at an increase of \$60,000.

Memberships and Subscriptions would see a slight increase from \$774,394 to \$778,544 in FY 2023/24. This additional 0.54% will help fund new and continued partnerships to advance Metropolitan's programs and initiatives, as well as anticipated cost increases from established long-term partnering organizations.

Operating Equipment

The budget reflects no operating equipment requests for FY 2023/24.

OFFICE OF GENERAL COUNSEL

The Office of General Counsel provides a full range of legal services in a professional, timely, cost-effective, and creative manner.

PROGRAMS

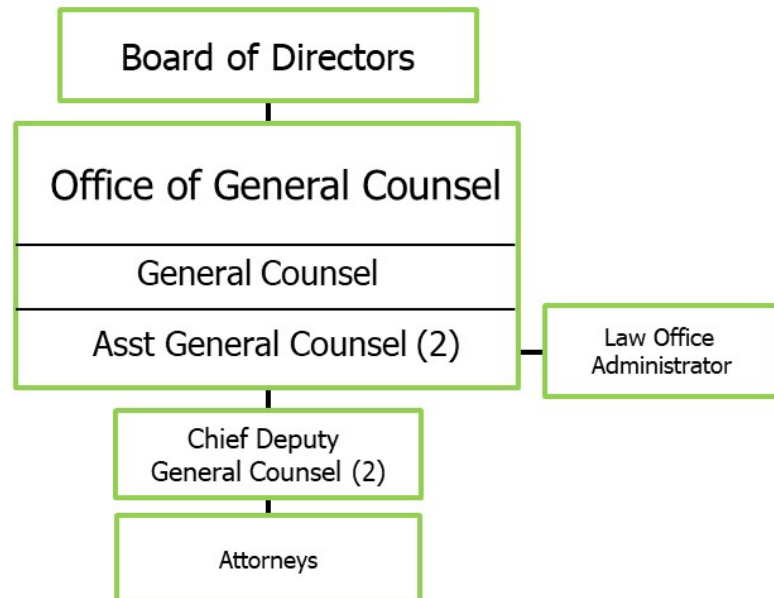
The General Counsel is the chief legal spokesperson for Metropolitan and the Board of Directors and oversees the Office of General Counsel's administrative functions.

The General Counsel represents Metropolitan in litigation and other proceedings to which Metropolitan is a party; provides legal advice to the Board, its committees, and to Metropolitan's staff; drafts, reviews, and negotiates contracts, documents, and other agreements; consults with representatives of other public and private entities on matters of mutual concern; monitors and analyzes pending and enacted legislation and, when appropriate, drafts legislative recommendations.

The Office of General Counsel provides legal services to the Board, its committees, and to Metropolitan staff with regard to the full range of substantive matters addressed by our staff and the Board as well as matters of Board governance.

- Provide support and legal assistance for the Regional Recycled Water Program, water supply, including the impacts of and response to drought conditions, water conservation, water delivery and treatment, and water quality including emerging contaminants.
- Represents Metropolitan's interests with regard to claims and litigation by or against Metropolitan.

- Provides legal advice with respect to the acquisition, management, and disposal of Metropolitan property.
- Provides legal assistance in Metropolitan's procurement and construction contract programs.
- Provides legal advice with respect to Metropolitan's financial activities, including Metropolitan's rates and charges, taxation, disclosure and bond issuance, legality of investments, and fiscal administration.
- Provides legal advice and assistance related to labor and personnel matters.
- Reviews, analyzes, and monitors pending state and federal legislation and drafts legislative recommendations.



GOALS AND OBJECTIVES

The role of the Office of General Counsel is to support the priorities established by the Board of Directors and the General Manager. The goal of the Office of General Counsel is to provide a full range of legal services in a professional, timely, cost-effective and creative manner that minimizes risk to Metropolitan.

In FY 2022/23 and FY 2023/24, the Office of General Counsel will focus on the following key issues:

Water Supply Reliability

Pursue a comprehensive legal strategy that proactively addresses legal issues associated with the operation of the SWP and the related permits and environmental matters while vigorously asserting and defending Metropolitan's interest in litigation and administrative proceedings regarding the SWP.

Provide legal advice in support of the development and implementation of the anticipated Department of Water Resources (DWR) proposal to improve the Delta conveyance facilities including the associated environmental documentation, implementing agreements and litigation in a manner supportive of Metropolitan's goals and objectives.

Develop and implement a legislative and regulatory strategy addressing the Governor's Water Resilience Portfolio.

Assist with the preparation of the SB 60 Report to the California State Legislature regarding Metropolitan's achievements in conservation, recycling and groundwater recharge.

Provide legal advice regarding permitting, implementation and financing, of any proposed improvements to the Delta conveyance facilities including agreements with DWR and other state water contractors.

Provide legal advice and support relative to the continuing litigation relating to the Oroville spillway litigation and other matters potentially impacting Metropolitan.

Provide legal advice and support for water transfers and exchanges and development of local resources, desalination and conservation projects and programs.

Provide legal support for capital projects required to upgrade, repair and provide additional flexibility in the operation of Metropolitan's distribution system.

Provide legal advice and support for update and implementation of Metropolitan's Integrated Water Resources Plan Update and Urban Water Management Plan, including development of the Long-Term Conservation Plan.

Provide legal advice and support in connection with the extension and amendments of the SWC including preparation of supporting environmental documents under CEQA litigation relating to the proposed amendments.

Continue to defend and enforce the terms of the Quantification Settlement Agreement and related agreements among the participating agencies and other agencies with Colorado River contracts.

Assist in developing, negotiating and documenting new water conservation and augmentation projects and implement the Drought Contingency Plan (DCP). Collaborate with policy staff and other agencies to develop and implement programs to protect Lake Mead.

Provide legal support for Metropolitan's efforts to protect and make optimal use of its Colorado River rights and related water transfer, storage, and exchange programs. Provide legal support for initiatives to identify and obtain new water supplies on the Colorado River, and to protect existing Colorado River water supplies against erosion by unlawful or unreasonable uses.

Finance

Provide legal advice regarding adoption of rates and charges. Work to resolve challenges to Metropolitan's rate structure.

Provide legal advice and assist with issuance of bonds and other debt instruments.

Operations

Negotiate and prepare new and amended service connection agreements for new or modified member agency connections. Provide legal assistance on regulatory and real estate issues, including CEQA issues, arising from service connection requests.

District Governance

Continue to provide timely advice to the Board and committees on governance and legal compliance matters.

Serve as the point of contact and coordinate Metropolitan responses to Public Records Act requests.

Corporate Resources/District Infrastructure

Provide legal support for capital investment projects and repair and replacement plans, including professional services and procurement contracts.

Provide legal support for environmental analysis under CEQA of Metropolitan's projects and other discretionary actions, in addition to analyzing potential environmental impacts of other agencies' projects on Metropolitan properties and facilities.

Workforce/Human Resources

Provide proactive counsel, assistance and advice on workforce issues. Continue to defend Metropolitan in EEO and PERB matters, as well as grievance and disciplinary matters. Assist with investigations or engage third party investigators.

Represent Metropolitan in claims and litigation.

Real Property

Assist the Real Property group in the negotiation and documentation of real property acquisitions and the surplusage of real property. Negotiate and provide legal support for the lease and licensing of Metropolitan property. Provide legal support for the grant and acceptance of easements and entry permits.

Represent Metropolitan in real property disputes including landlord tenant issues, condemnation and inverse condemnation issues and other matters.

Technology

Collaborate with Information Technology, External Affairs, and Human Resources groups on Information Governance Policies and the implementation of new technologies and protocols. Assist in educating the staff and Board in matters relating to technology and special media.

Assist with implementation of policies and procedures to enhance cyber-security required to upgrade physical systems including SCADA.

Energy Costs and Management

Assist with implementation of the Energy Management Plan, including providing advice on wholesale energy transactions contracts relating to energy facilities and Hoover Power, renewable energy projects and energy-related contracts and legislation.

Provide assistance including negotiation of and compliance with energy resource adequacy requirements and compliance with NERC standards.

Provide legal support to ensure that SWP energy needs are met in a cost-effective and sustainable manner.

Legal Department Administration

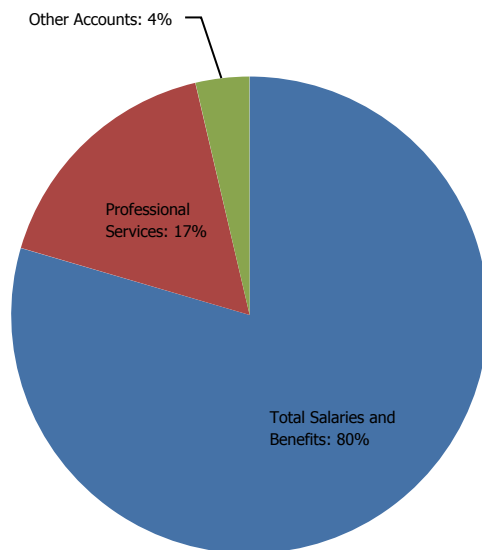
Continue to aggressively manage outside counsel costs, while obtaining effective representation to protect Metropolitan's interests. Provide on-going training opportunities and develop and implement succession planning.

O&M FINANCIAL SUMMARY

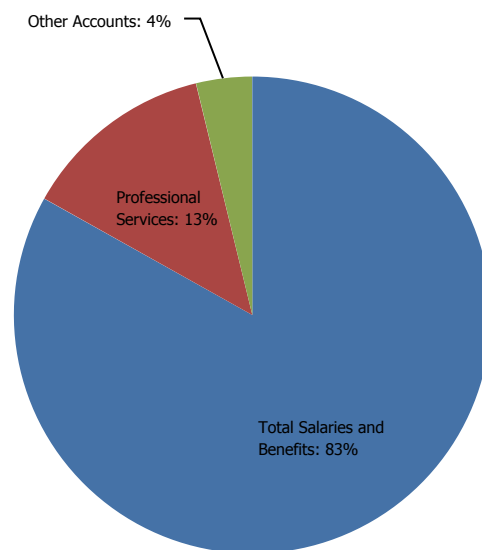
	2020/21 Actual	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Total Salaries and Benefits	11,971,002	12,775,321	13,057,727	282,406	13,540,273	482,546
<i>Direct Charges to Capital</i>	—	—	—	—	—	—
Total Salaries and Benefits	11,971,002	12,775,321	13,057,727	282,406	13,540,273	482,546
% Change		6.7%		2.2%		3.7%
Professional Services	1,352,384	4,443,000	2,760,000	(1,683,000)	2,130,000	(630,000)
Travel Expenses	871	120,000	170,000	50,000	185,000	15,000
Other Accounts	234,600	414,000	429,000	15,000	434,000	5,000
Total O&M	13,558,857	17,752,321	16,416,727	(1,335,594)	16,289,273	(127,454)
% Change		30.9%		(7.5%)		(0.8%)

Totals may not foot due to rounding.

**FY 2022/23 BUDGET BY
EXPENDITURE**



**FY 2023/24 BUDGET BY
EXPENDITURE**



PERSONNEL SUMMARY

		2020/21 Actual	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Regular	Total	35	37	37	—	37	—
	O&M	35	37	37	—	37	—
	Capital	—	—	—	—	—	—
Temporary	Total	1	2	2	—	2	—
	O&M	1	2	2	—	2	—
	Capital	—	—	—	—	—	—
Total Personnel	Total	37	39	39	—	39	—
	O&M	37	39	39	—	39	—
	Capital	—	—	—	—	—	—

Totals may not foot due to rounding.

BUDGET HIGHLIGHTS

The Office of General Counsel's Biennial Budget is \$16.4 million in FY 2022/23 and \$16.3 million in FY 2023/24 or a decrease of 7.5% and a decrease of 0.8% respectively from the prior budget years. The change is primarily due to the following factors:

- Professional services costs decrease reflects anticipated expenses for Delta Conveyance legal costs, water quality litigation, labor and employment issues, general litigation and other legal costs.
- Travel expenses increase reflects anticipated travel regarding Delta Conveyance and other project activities.
- Salaries and Benefits costs reflect negotiated labor increases and merit increases for qualified employees.

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OFFICE OF GENERAL AUDITOR

The Office of General Auditor provides independent, professional, and objective assurance and consulting services designed to add value to and improve Metropolitan's operations.

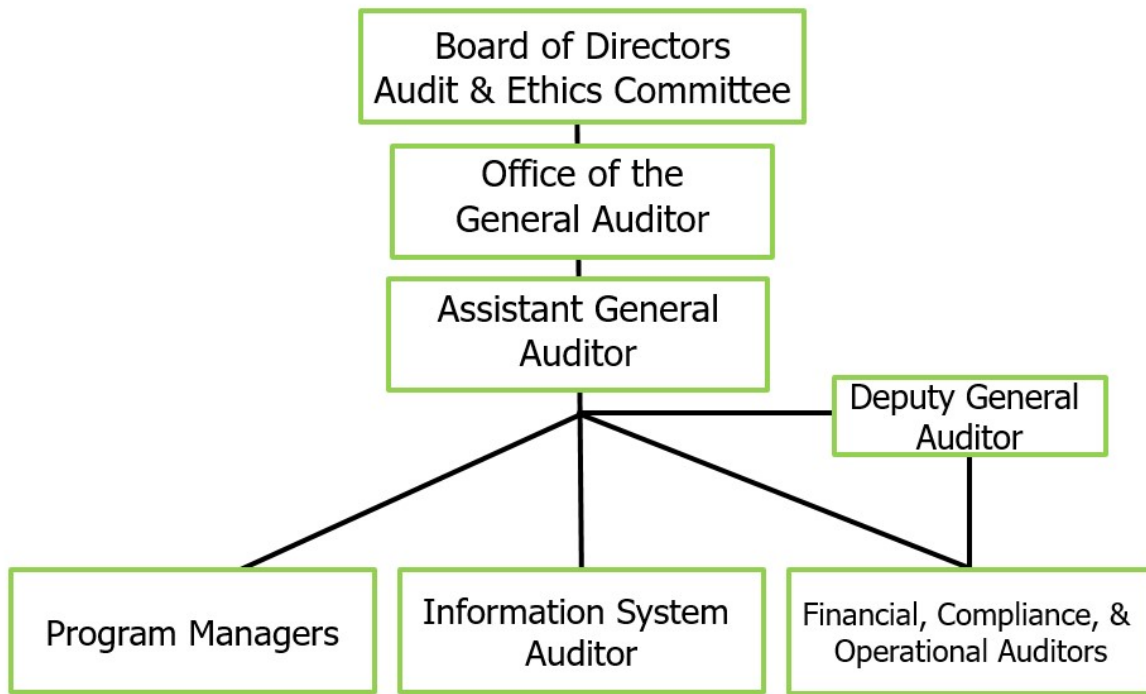
PROGRAMS

The Office of General Auditor helps the organization accomplish its objectives by using a proactive, systematic approach to evaluate and improve the effectiveness of risk management, control, and governance processes.

The scope of work of the Office of General Auditor is to determine whether Metropolitan's network of risk management, internal control, and governance processes, as designed and represented by management, is adequate and functioning in a manner to ensure:

- Risks are appropriately identified, managed, and monitored
- Significant financial, managerial, and operating information is accurate, reliable, and timely.
- Employees' actions are in compliance with policies, standards, procedures, and applicable laws and regulations.
- Resources are acquired economically, used efficiently and protected adequately.
- Programs, plans, and objectives are achieved.
- Quality and continuous improvement are fostered in the organization's control processes.
- Significant legislative or regulatory issues impacting the organization are recognized and addressed appropriately.

Opportunities for strengthening internal controls, improving efficiency, and protecting the organization's image may be identified during audits. These opportunities will be communicated to the appropriate level of management.



GOALS AND OBJECTIVES

In FY 2022/23 and FY 2023/24, the Office of General Auditor will focus on the following key issues:

Risk Analysis, Risk Mitigation and Internal Controls

Provide risk perspective and auditing advice and counsel to the Board and management in operational and financial activities.

Publish risk-focused audit reports designed to clearly communicate the General Auditor's opinion regarding the internal control structure, significant control issues, and recommendations to mitigate noted risk.

Improve the completion time for audits and evaluate the adequacy and timeliness of management's responses to, and corrective actions taken on, all significant control issues noted in audit reports.

Emphasize test work of significant projects.

Workforce Development

Encourage training opportunities for Office of General Auditor staff to enhance competencies in risk assessment and broaden knowledge of Metropolitan operations. Utilize this knowledge in fine-tuning the Annual Audit Risk Assessment and Audit Plan.

Management and Leadership

Efficiently manage the department's budget for maximum effectiveness of state budgetary objectives.

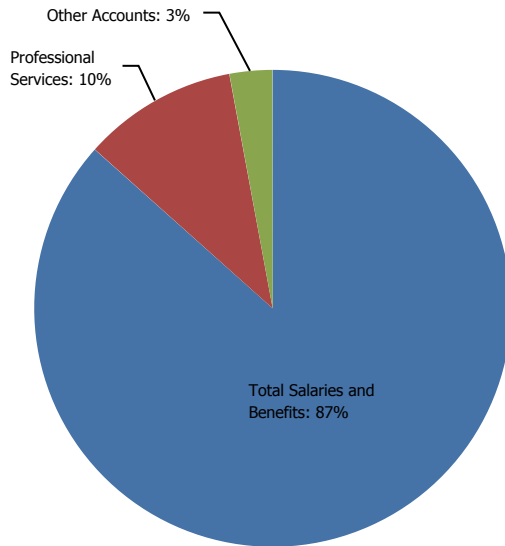
Uphold the mission, roles, and responsibilities of the Office of General Auditor.

O&M FINANCIAL SUMMARY

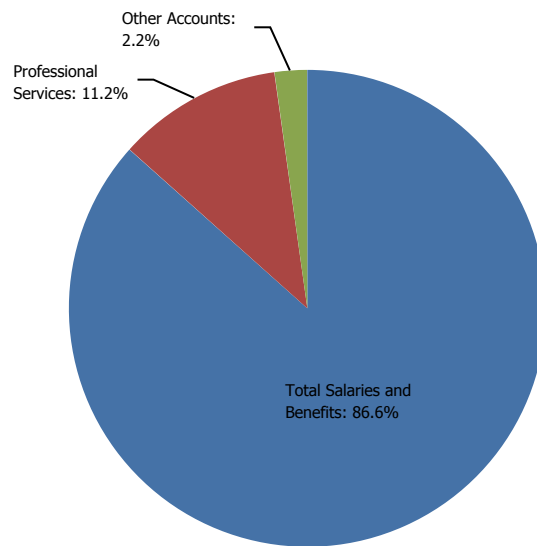
	2020/21 Actual	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Total Salaries and Benefits	3,839,547	4,159,651	4,130,870	(28,781)	4,256,013	125,143
<i>Direct Charges to Capital</i>	—	—	—	—	—	—
Total Salaries and Benefits	3,839,547	4,159,651	4,130,870	(28,781)	4,256,013	125,143
% Change		8.3%		(0.7%)		3.0%
Materials & Supplies	15,344	35,000	76,000	41,000	43,000	(33,000)
Professional Services	449,100	500,000	500,000	0	550,000	50,000
Other Accounts	30,876	55,500	61,500	6,000	61,500	—
Total O&M	4,334,867	4,750,151	4,768,370	18,219	4,910,513	142,143
% Change		9.6%		0.4%		3.0%

Totals may not foot due to rounding.

FY 2022/23 BUDGET BY
EXPENDITURE



FY 2023/24 BUDGET BY
EXPENDITURE



PERSONNEL SUMMARY

		2020/21 Actual	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Regular	Total	12	13	13	—	13	—
	O&M	12	13	13	—	13	—
	Capital	—	—	—	—	—	—
Temporary	Total	—	—	—	—	—	—
	O&M	—	—	—	—	—	—
	Capital	—	—	—	—	—	—
Total Personnel	Total	12	13	13	—	13	—
	O&M	12	13	13	—	13	—
	Capital	—	—	—	—	—	—

Totals may not foot due to rounding.

BUDGET HIGHLIGHTS

The Office of General Auditor's Biennial Budget is \$4.8 million in FY 2022/23 and \$4.9 million in FY 2023/24 or an increase of 0.4% and an increase of 3.0% respectively from the prior budget years. The main factors affecting these changes:

- Increases in Salaries and Benefits reflect negotiated labor increases, merit increases for qualified employees.
- The increase to the budget for Materials and Supplies reflects an upgrade of Audit software.
- The increase in Professional Services reflects competitive bid process to obtain a new outside firm to perform the annual financial statements audit.

ETHICS OFFICE

The Ethics Office promotes an ethical culture at Metropolitan by administering and advising Metropolitan's ethics policies and reviewing potential ethics violations.

PROGRAMS

Metropolitan's Ethics Office was established by special legislation enacted in 2000. In doing so, it was with a conviction that a strong ethical culture is the foundation of good governance. Moreover, it was based on the belief that an ethical culture is created through a robust ethics program that sets clear expectations for conducting business within the organization and with external parties. This ensures that Metropolitan is transparent, operates with integrity and upholds high ethical standards.

An ethical culture is based on the following: effective board oversight, strong tone-at-the-top, senior management involvement, organization-wide commitment, a customized code of conduct, ethics training, communications, and ongoing monitoring system. It also involves the administration of financial disclosure reports, an anonymous incident reporting system, timely investigation of reported incidents, publication of summary investigation findings, and, where appropriate, referrals to Department managers for consistent disciplinary action.

These processes promote transparency and accountability, allowing the public insight into how the District conducts its business and holding District officials accountable for meeting internal and state ethics standards. The Ethics Office accomplishes its mission through the following programs and services, each of which is critical to achieving the ultimate goal of internal ethics and compliance - maintaining an ethics-centered culture:

Ethics Compliance The Ethics Office serves as the filing officer for state-mandated financial interest disclosure reports for Directors and employees. These filings are required for individuals who make or participate in making decisions in their official capacity that could affect their personal financial

interests. To date, all Directors and over 700 employees have been identified as mandatory filers.

The Ethics Office also maintains and updates Metropolitan's conflict of interest code, designating employee reporting positions and disclosure categories. These requirements are tailored to the unique responsibilities of each designated position and are reviewed on a periodic basis for compliance with evolving standards.

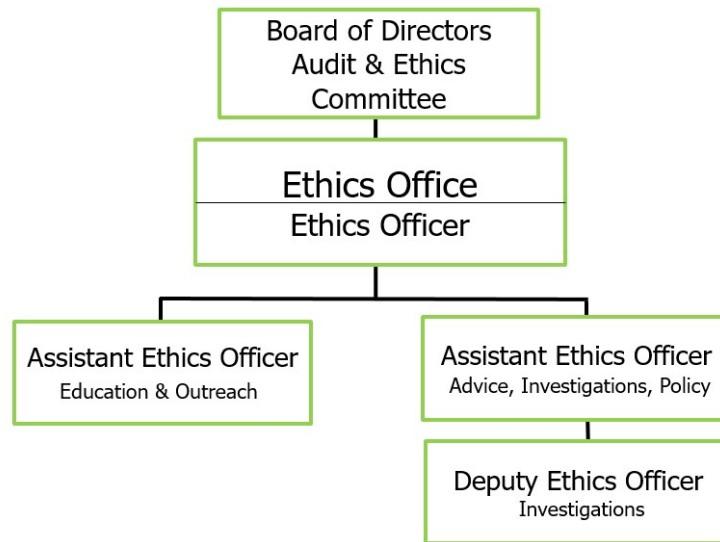
Advice and Education The Ethics Office advises employees, directors, and contractors on Metropolitan's ethics policies and standards. These include the areas of conflicts of interest and proper use of authority. Advice and education are provided through consultations, training programs, and reference materials. The Ethics Office addresses requests for advice and training and recommends consultations where appropriate.

The Ethics Office also facilitates state-mandated AB1234 training for Directors and provides orientations for new Directors and employees about Metropolitan's internal ethics provisions.

Policy Management and Program Development The Ethics Office proposes ethics rules and modifications to existing rules, performs risk assessment, and analyzes investigation procedures to maintain best practices in the field.

Investigation The Ethics Office conducts investigations to promote accountability and identify systematic changes needed in order to avoid further missteps. Comprehensive investigations, include investigation planning, gathering of evidence, document review, witness interviews, comparative analysis of facts, drafting of reports, and organization and indexing of evidence.

The Ethics Officer reviews the investigation findings, determines whether ethics violations occurred, and makes recommendations to executive management.



GOALS AND OBJECTIVES

In FY 2022/23 and FY 2023/24, the Ethics Office will focus on the following key initiatives:

Education and Outreach

Education and Outreach is a top priority and a cornerstone of our ethics program. We will develop more tailored and focused training for groups of employees like managers or functional areas within Metropolitan and for Directors. Outreach efforts will include visiting field facilities to provide ethics related information and being part of listening sessions. Extensive ethics-related training materials will be updated to reflect administrative code amendments recently approved by the Board, including updates to new employee orientation materials, website content, and online training programs on common ethics topics at Metropolitan.

Ethics Consultation

Provide ethics risk perspective and advisory services to Directors, officers, and employees needing input on ethics-related issues. In specific requests for assistance, provide thorough analysis and prompt responses. Continue to review board agendas and prepare memorandum for directors to help identify potential sources of conflicts of interest in matters coming before them. Review conflict of interest disclosures from potential contractors for the professional services contracting unit and make recommendations for resolving potential conflicts. Perform outreach to Group Managers to proactively engage in the program and project process to help maintain ethics-centered decision-making.

Policy Management and Program Development

Promote transparency by developing and implementing a lobbyist registration program and ensuring data is publicly available. Develop a Contractors Code of Conduct and improve processes and transparency to avoid conflicts of interest. Continue to assess the scope and content of Metropolitan's ethics policies and provisions. Develop new ideas for improvements and work to achieve consensus among stakeholders. Follow developments in legislation and Fair Political Practices Commission proceedings to identify emerging issues that may affect the Metropolitan community.

Investigations

The Ethics Office performs objective and comprehensive investigations of ethics complaints, which entails investigation planning, gathering evidence, document review, witness interviews, comparative analysis of facts, drafting of reports, and organization and indexing of evidence. The Ethics Officer reviews the investigation findings, determines whether ethics violations occurred, and makes recommendations to executive management.

Evaluate opportunities to streamline the investigation process. These efforts include establishing reasonable guidelines to ensure that inquiries proceed in an efficient and responsible manner. Improve the effectiveness and timeliness of communication to interested parties on the progress of investigations. Define accountability standards for investigations that address the need to discontinue or close inquiries when substantiating evidence cannot be obtained within a reasonable time period. Survey best practices in the field and recommend improvements to investigation procedures

Workforce Needs and Development

It is anticipated that the total regular personnel for O&M will be increased. Current assessment is that 4 additional FTEs are needed. Three additional FTEs will support the enhanced Education and Outreach priorities and 1 FTE will support policy and program development in the area of compliance that includes the new lobbyist registration program and database management. We will encourage training opportunities for Ethics Department staff to enhance competencies in governmental ethics and to broaden knowledge of Metropolitan operations.

Management and Leadership

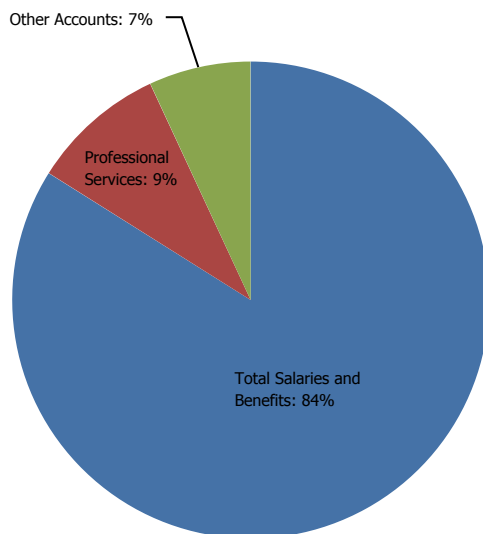
Efficiently manage the Ethics Office's budget for maximum effectiveness. Uphold the mission, roles, and responsibilities of the Ethics Office.

O&M FINANCIAL SUMMARY

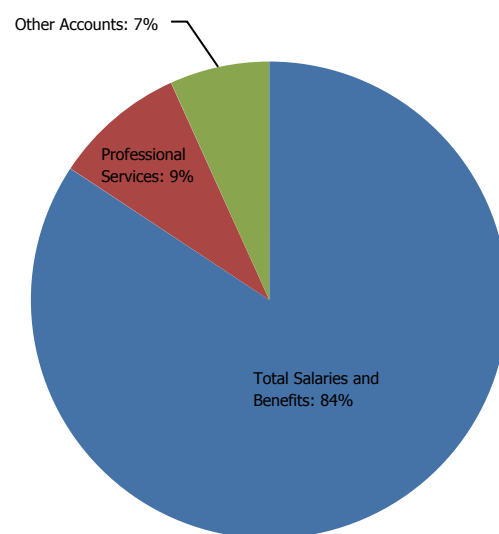
	2020/21 Actual	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Total Salaries and Benefits	1,553,232	1,518,887	1,833,374	314,487	1,883,922	50,548
<i>Direct Charges to Capital</i>	—	—	—	—	—	—
Total Salaries and Benefits	1,553,232	1,518,887	1,833,374	314,487	1,883,922	50,548
% Change		(2.2%)		20.7%		2.8%
Outside Services - Non Professional / Maintenance	26,523	17,000	70,369	53,369	70,369	—
Professional Services	317,719	85,000	200,000	115,000	200,000	—
Subsidies & Incentives	14,100	13,000	27,660	14,660	27,660	—
Travel Expenses	—	6,000	27,500	21,500	27,500	—
Other Accounts	5,371	40,000	25,300	(14,700)	25,300	—
Total O&M	1,916,945	1,679,887	2,184,203	504,316	2,234,751	50,548
% Change		(12.4%)		30.0%		2.3%

Totals may not foot due to rounding.

FY 2022/23 BUDGET BY EXPENDITURE



FY 2023/24 BUDGET BY EXPENDITURE



PERSONNEL SUMMARY

		2020/21 Actual	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Regular	Total	5	5	5	—	5	—
	O&M	5	5	5	—	5	—
	Capital	—	—	—	—	—	—
Temporary	Total	—	—	—	—	—	—
	O&M	—	—	—	—	—	—
	Capital	—	—	—	—	—	—
Total Personnel	Total	5	5	5	—	5	—
	O&M	5	5	5	—	5	—
	Capital	—	—	—	—	—	—

Totals may not foot due to rounding.

BUDGET HIGHLIGHTS

The Ethics Office's Biennial Budget is \$2.2 million in FY 2022/23 and \$2.2 million in FY 2023/24 or an increase of 30.0% and an increase of 2.3% respectively from the prior budget years. The increase is due primarily to the following:

- Salaries and Benefits reflect negotiated labor increases and merit increases for qualified employees.
- Professional Services and non-labor budgets are increasing to support ethics program development, including case management and software solutions and investigative services.
- It is anticipated the total regular personnel for O&M will be increased to 9 FTEs. The Ethics Officer will discuss the office needs with the Audit & Ethics Committee in the near future. Current assessment is that 4 additional FTEs are needed. The additional positions will support the realignment of the Ethics Office's functions to meet the enhanced education/outreach and compliance expectations and priorities in accordance with Board objectives.

STAFFING SUMMARY

Group/Department	2020/21 Actual	2021/22 Budget	2022/23 Proposed	2023/24 Proposed
Regular Employees				
Office of the General Manager	11	13	17	17
Water System Operations	884	940	939	939
Information Technology	120	130	131	131
Engineering Services	338	355	355	355
Real Property	48	53	55	55
Finance	49	51	53	53
External Affairs	63	62	63	63
Water Resource Management	63	68	68	68
Administration	79	81	80	80
Human Resources	41	44	44	44
Operations Administration	9	11	11	11
Bay Delta Initiatives	15	17	16	16
Office of Sustainability, Resilience & Innovation	16	20	25	25
Office of Diversity, Equity & Inclusion	7	7	9	9
Equal Employment Opportunity Office	—	—	6	6
Subtotal - General Manager's Department	1,743	1,852	1,872	1,872
Office of the General Auditor	12	13	13	13
Ethics Office	5	5	5	5
Office of General Counsel	35	37	37	37
Total - Departmental Regular Employees	1,795	1,907	1,927	1,927

Temporary Employees				
District Temporary	45	37	47	49

Total Authorized Positions	1,840	1,944	1,974	1,976
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Totals may not foot due to rounding.

OPERATING EQUIPMENT SUMMARY

Classification	2022/23 Quantity	2022/23 Amount	2023/24 Quantity	2023/24 Amount
Audio Visual	2	52,187	2	60,218
Automobiles	1	42,393	3	168,553
Boats	1	113,138	—	—
Communication Equipment	1	17,211	—	—
Computer Peripherals	3	62,629	—	—
Construction/Shop/Maint Equip	37	1,358,144	1	923,849
CPU's, Laptops & Servers	7	194,634	6	181,385
Equipment Accessories	1	21,900	1	21,905
Heavy Equipment	10	1,678,398	1	2,163,618
Lab Equipment	16	913,465	1	716,991
Monitoring Equipment	6	109,212	1	65,200
Other Equipment	7	132,685	1	661,531
Trucks	117	4,494,741	22	3,846,570
Utility Vehicles	5	204,148	1	26,942
Grand Total	214	9,394,884	40	8,836,761

Totals may not foot due to rounding.

STATE WATER PROJECT

OVERVIEW

Metropolitan participates in the State Water Project (SWP), which is managed, owned and operated by the California Department of Water Resources (DWR) and is an integral part of Metropolitan's conveyance system. The SWP is the largest state-built, multipurpose, user-financed water project in the country. It was designed and built primarily to deliver water, but also provides flood control, generates power for pumping, is used for recreation, and enhances habitat for fish and wildlife. The SWP provides irrigation water to 750,000 acres of farmland, mostly in the San Joaquin Valley, and provides municipal and industrial water to approximately 27 million of California's estimated 39.5 million residents.

The SWP consists of a complex system of dams, reservoirs, power plants, pumping plants, canals and aqueducts to deliver water. SWP water consists of water from rainfall and snowmelt runoff that is captured and stored in SWP conservation facilities and then delivered through SWP transportation facilities to water agencies and districts located throughout the Upper Feather River, Bay Area, Central Valley, Central Coast, and Southern California. Metropolitan receives water from the SWP through the California Aqueduct, which is 444 miles long, and at four delivery points near the northern and eastern boundaries of Metropolitan's service area. The budgeted costs for the SWP are as follows:

SWC Cost Summary, \$ millions¹

	2020/21 Actuals	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Delta Water Charge: Capital	\$57.6	\$59.7	\$80.4	\$20.7	\$85.5	\$5.1
Delta Water Charge: OMP&R	96.1	92.4	110.1	17.7	107.0	(3.1)
Transportation Capital	122.9	148.3	119.4	(28.9)	129.4	10.0
Transportation OMP&R	165.8	182.9	194.1	11.2	198.7	4.6
Power, Variable	127.5	212.7	247.3	34.6	257.5	10.1
Power, OAPF	4.3	3.5	5.1	1.6	5.0	(0.1)
Credits	(52.4)	(70.1)	(67.8)	2.4	(56.3)	11.4
CA Water Fix/ Delta Conveyance	—	25.0	10.0	(15.0)	54.5	44.5
SWC Total	\$521.8	\$654.4	\$698.7	\$44.3	\$781.2	\$82.6
SWC Dues	\$3.6	\$4.7	\$4.1	(\$0.6)	\$4.1	\$0.0
Acre-feet delivered	633,300	1,059,490	669,648	(389,842)	869,076	199,428

¹ Does not include Departmental costs reflected elsewhere in this Budget.

Annually, the DWR reviews and redetermines the water supply aspects of the SWP as required by the SWC, and the financial aspects attributable to the water supply function of the SWP.¹ This results in the annual Statement of Charges to the Contractors for each calendar year. The information that supports the Statement of Charges is published by the DWR as Appendix B to the appropriate Bulletin 132 (i.e., the Statement of Charges for Calendar Year 2022 is supported by Appendix B to Bulletin 132-20). DWR does not charge rates for water service. It does not develop a revenue requirement and then develop rates based on projected billing determinants for a calendar year. Rather, DWR apportions its costs to the Contractors based on their proportionate share of estimated supply costs (Delta Water Charge) and transportation costs (Transportation Charge). All State Water Contractors are obligated to pay all costs incurred by DWR to operate the SWP for water supply delivery, as part of their contractual participation in the project. Therefore, DWR reconciles actual costs for each year and either collects more funds from the Contractors if actual costs exceeded estimated costs, or provides a credit/refund if actual costs were lower than estimated costs.

Metropolitan's budgeted SWP costs are based on the 2022 Statement of Charges and supporting Appendix B. Power costs are estimated by Metropolitan assuming a 25 percent allocation in 2022, 40 percent allocation in 2023, and 50 percent allocation in 2024 and use of the Central Valley storage programs.

STATE WATER CONTRACT

The State Water Contractors have long-term contracts with DWR for participation in the SWP, through which they receive delivery of SWP water and use of the SWP transportation facilities. Metropolitan signed the first State Water Contract (SWC) on November 4, 1960, and received its first delivery of SWP water in 1972. Metropolitan has a contractual right to a proportionate share of the project water that DWR determines is available for allocation to the Contractors. This determination is made each year based on existing supplies in storage, forecasted hydrology, and other factors. Available project water is then allocated to the Contractors in proportion to the amounts set forth in Table A of their SWCs (Table A Allocation). Under its SWC, Metropolitan is entitled to roughly 46% of the annual Table A Allocation.

All water supply-related capital expenditures and operations, maintenance, power and replacement (OMP&R) costs associated with the SWP conservation and transportation facilities are paid for by the 29 State Water Contractors. Through Calendar Year 2020, Metropolitan has paid about 57 percent of the total payments to DWR by all Contractors. Metropolitan's financial records show that total accumulated amounts paid under the SWC are \$14.2 billion through fiscal year 2020/21. Metropolitan's SWC was originally a 75-year contract through December 31, 2035. Although the SWC had been amended for other provisions before, the term of the contract was extended and approved in December 2018. Among other amendments, the Contractors and DWR agreed to an extension to December 31, 2085.

Since inception, the SWC provided Contractors the ability to use the SWP to convey non-SWP water under certain circumstances. Specifically, Article 18(c)(2) of the original SWC addresses situations where there is a shortage in the supply of water made available under the contract and states "[T]he District, at its option, shall have the right to use any of the project transportation facilities which by reason of such permanent shortage in the supply of project water to be made available to the District are not required for delivery of project water to the District, to transport water procured by it from any other source: [p]rovided, [t]hat such use shall be within the limits of the capacities provided in the project transportation facilities for service to the District under this contract". However, Article 18(c)(2) only applied in the event a permanent shortage was declared by DWR and it was unclear on how costs would be charged for using SWP facilities to transport nonproject water. In 1994, the Contractors and DWR negotiated the Monterey Amendment to the SWC, including Article 55, which made explicit that the Contractors' rights to use the portion of the SWP conveyance system necessary to deliver water to them (their "Reaches") also includes the right to convey non-SWP water at no additional cost as long as

¹ The term "supply" is used to distinguish between other functions of the SWP such as recreation and flood control. The term is not used to distinguish between the conservation (supply) and transportation (conveyance) functions of the SWP under the State Water Contracts for participation in the SWP.

capacity exists. Power for the conveyance of non-SWP water is charged at the SWP melded power rate. The Monterey Amendment also expanded the ability to carryover SWP water in SWP storage facilities, allowed participating Contractors to store water in groundwater storage facilities outside a Contractor's service area for later use. These amendments, approved by Metropolitan's Board in 1995, secured the means for individual Contractors to increase supply reliability through water transfers, and storage outside their service areas.

The charges to the Contractors include a SWP supply charge (Delta Water Charge) and a SWP transportation charge (Transportation Charge). The Delta Water Charge recovers both Capital and OMP&R costs for those facilities that conserve and create the actual water supply of the SWP. The Delta Water Charge is based on Contractors' cumulative Table A Allocations, and is paid regardless of whether Contractors receive any Table A Allocations in a given year.

The Transportation Charge recovers the costs associated with the various aqueduct reaches that deliver project water to the Contractors. The Capital and fixed OMP&R portions of the SWP Transportation Charge recover costs from the Contractors based on their proportionate use of facilities. Unlike the Delta Water Charge, which is uniform for a unit of Table A water, the allocation of these portions of the Transportation Charge will vary based on the aqueduct segments needed to deliver water to a specific Contractor. The further a Contractor is from the Delta and the greater its capacity in the transportation facilities, the greater its allocation of the Capital and fixed OMP&R Transportation Charges. The capacity of the SWP to deliver water decreases with distance from the Banks Pumping Plant, located in the Sacramento-San Joaquin Delta, as water is delivered to Contractors through the South Bay Aqueduct and the Coastal Branch Aqueduct, and to turnouts in the San Joaquin Valley and Southern California. Payment of the Transportation Charge entitles Contractors to the right to use their capacity in the SWP facilities for transportation of SWP or non-SWP water, on a space available basis, under the SWC. A Contractor that participates in the repayment of a particular reach, or segment of the SWP, has already paid the costs of using that reach for the conveyance of water supplies through the Transportation Charge.

In addition to the charges for supply (the Delta Water Charge capital and OMP&R) and Transportation (Transportation Capital and OMP&R), DWR also charges for the power needed to deliver project water throughout the system. Two charges recover these power costs: the variable OMP&R portion of the Transportation Charge (Variable Charge) and the Off-Aqueduct Power Facilities (OAPF) charge. Because the SWC are cost recovery contracts, DWR invoices Contractors on an estimated basis for any calendar year, and then provides credits in later years once cost true-ups are finished.

The Variable Charge includes the annually estimated cost of purchased power including capacity and energy, cost of SWP power generation facilities, program costs to offset annual fish losses at the Banks Pumping Plant, purchased transmission services, and credits for sales of ancillary services and excess SWP system power sales. The Variable Charge is calculated on the basis of the energy required to pump an acre-foot of water to its take-out point multiplied by the system energy rate, less energy from the recovery generation plants. The system energy rate is a system-wide average rate calculated as the net cost of energy--total costs less revenues--divided by the net energy required to pump all water. That rate is applied to each acre-foot of water delivered to SWP customer based on the power required to pump the water to designated delivery points on the system. DWR can adjust the system energy rate as the calendar year progresses in order to reflect actual costs.

The OAPF charge recovers environmental remediation costs of power generation facilities not on the aqueduct, namely Reid Gardner Unit 4, and is negligible at this time.

The SWP uses low-cost hydroelectric and recovery generation resources, but they only provide about 50 percent of the SWP energy needs in an average water year. The SWP relies on the wholesale market and contractual resources with exposure to market price volatility for as much as 30 to 35 percent of its needs, using other contractual resources to fill in the difference.

The SWP energy required to move water to Metropolitan is related to the transportation on the East Branch through Devil Canyon and on the West Branch through Castaic.

Cost of SWP Power for Metropolitan Terminal Delivery Points, \$ per Acre-Foot

	CY 2017 DWR	CY 2018 DWR	CY 2019 DWR	CY 2020 DWR	CY 2021 Estimated	CY 2022 Estimated	CY 2023 Estimated
East Branch	\$149.60	\$173.92	\$157.28	\$171.47	\$287.46	\$369.32	\$307.83
West Branch	\$148.70	\$161.50	\$144.89	\$167.40	\$274.45	\$395.45	\$329.61

The SWP energy costs are impacted by two factors. First, the annual hydrology, secondly the energy policies of the state of California. The SWP has invested heavily in hydroelectric power generation facilities. The unit cost of operating the power facilities declines as the amount of available water increases. The SWP is acquiring renewable resources, primarily solar to date, to meet its obligation to reduce greenhouse gas emissions. The SWP energy costs are also impacted by the increasing cost of using the California Independent System Operator's (CAISO) grid to deliver power from its generating sources and the wholesale power market to its pumping loads. The SWP does not own high voltage transmission facilities and must use the CAISO grid to move power. Finally, the SWP has an obligation to acquire and surrender emissions allowances for the generating facilities the SWP owns, primarily the Lodi Energy Center.

BUDGET HIGHLIGHTS

The budget for the SWP is increasing in FY 2022/23 compared to the FY 2021/22 budget due to increased maintenance activity, and substantial capital related expenditures for Oroville Spillway repair not reimbursed by FEMA. Power costs are projected to be higher due to higher market power rates, primarily driven by substantial increases in the natural gas price forecast, along with increased O&M and clean up costs of the Hyatt-Thermalito project.

The Biennial Budget includes Metropolitan's planned contribution of \$99 million over the budget period for DCP planning activities, which contributes to the increase in SWP expenditures in FY 2023/24. This contribution follows Board policy that staff work with the State to find solutions to improve Delta conveyance. The focus over the next two years will be supporting DWR as it seeks permits for a Delta conveyance project; participating in the Delta Conveyance Design and Construction Authority; and continuing to put forward sound scientific research to help inform and improve Delta management decisions. If staff determines that Metropolitan's appropriate contribution toward planning activities should exceed the budgeted amount, the General Manager will request authorization from the Board for additional funding. Additionally, at a later date staff will recommend that the Board separately consider Metropolitan's participation in a new DCP, after project planning has progressed further.

COLORADO RIVER AQUEDUCT

OVERVIEW

Metropolitan was established to obtain an allotment of Colorado River water, and its first mission was to construct and operate the Colorado River Aqueduct (CRA). The CRA consists of 5 pumping plants, 450 miles of high voltage power lines, 1 electric switching station, 4 regulating reservoirs, and 242 miles of aqueducts, siphons, canals, conduits and pipelines terminating at Lake Mathews in Riverside County. Metropolitan first delivered CRA water in 1941 to its member agencies.

Metropolitan owns, operates, and manages the CRA. Metropolitan is responsible for operating, maintaining, rehabilitating, and repairing the CRA, and is responsible for obtaining and scheduling energy resources adequate to power pumps at the CRA's five pumping stations.

Under its contracts with the federal government, Metropolitan has a fourth priority to 550,000 acre-feet per year of Colorado River water, less certain use by higher priority holders and Indian tribes. Metropolitan also holds a fifth priority for an additional 662,000 acre-feet per year that exceeds California's 4.4 million acre-foot per year basic apportionment, 38,000 acre-feet under the sixth priority during the term of the Colorado River Water Delivery Agreement, and another 180,000 acre-feet per year when surplus flows are available. Metropolitan can obtain water under the fourth, fifth, and sixth priorities from:

- Water unused by the California holders of priorities 1 through 3;
- Water saved by extraordinary conservation programs, crop rotation, and water supply program; or,
- When the U.S. Secretary of the Interior makes available:
 - o Surplus water, Intentionally Created Surplus water, and/or
 - o Water apportioned to, but unused by, Arizona and Nevada.

Metropolitan also receives water from the Colorado River pursuant to CRA supply programs and water exchanges.

CRA Cost Summary, \$ millions

	2020/21 Actuals	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
CRA Power ¹	\$50.5	\$57.6	\$105.9	\$48.3	\$85.6	(\$20.3)
CRA Dues ²	\$0.7	\$0.8	\$0.8	\$0.0	\$0.8	—
Acre-feet	891,100	732,790	1,006,948	274,158	922,838	(84,110)

¹Does not include Departmental costs reflected elsewhere in this Budget

²Six Agency and Colorado River Authority of California

Budgeted CRA Power costs represent expenditures for the Hoover and Parker contracts and market power purchases to support budgeted CRA water deliveries.

CRA COSTS FOR TRANSPORTATION AND SUPPLY

Metropolitan incurs capital and operations and maintenance expenditures to support the CRA activities. The costs of the CRA activities include labor, materials and supplies, outside services to provide repair and maintenance, and professional services. The CRA activities benefit from Water System Operations support services and management supervision, as well as Administrative and General activities of Metropolitan. Metropolitan finances past, current and future capital improvements on the CRA, and capitalizes those improvements as assets. The costs of Metropolitan's capital financing activities are apportioned to service functions, such as the CRA.

The costs of the CRA supply portfolio developed by Metropolitan are paid by Metropolitan. The CRA supply portfolio is supported by Water Resource Management labor, materials and supplies. The CRA supply portfolio activities benefit from Water Resource Management support services and management supervision, as well as Administrative and General activities of Metropolitan. Metropolitan finances past, current and future capital improvements associated with the CRA supply portfolio capital assets and has capitalized these investments as Participation Rights.

Accordingly, the CRA costs for transportation and supply are reflected in the Departmental and General District Requirements budgets.

CRA COST FOR POWER

Metropolitan currently has four basic sources of power available to meet CRA energy requirements: Hoover Power, Parker Power, and wholesale power purchases from inside and outside the California Independent System Operator (CAISO). For wholesale power purchases within the CAISO, the appropriate price index is the South Path 15 for Southern California (SP15), whereas wholesale power purchases outside of CAISO utilize the MEAD bi-lateral index. MEAD substation is an import interconnection point for power into CAISO and can be utilized by Metropolitan to import power for the CRA from entities throughout the western United States.

Cost of CRA Power Sources, \$ per Megawatt-hour (MWh)

	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Hoover ¹	\$17.86	\$18.46	\$18.33	\$17.64	\$15.76
Parker ¹	\$15.40	\$14.38	\$17.67	\$18.34	\$15.86
SP15, off-peak ²	\$26.48	\$28.27	\$38.52	\$27.29	\$35.73
SP15, on-peak ³	\$33.46	\$38.84	\$49.97	\$38.84	\$46.60
MEAD, off-peak ⁴	\$22.94	\$25.09	\$31.89	\$23.61	\$36.98
MEAD, on-peak ⁵	\$30.25	\$33.16	\$44.31	\$29.01	\$65.89

¹Information from Annual Reports for years 2017, 2018, 2019, 2020, and 2021.

²SP15, off-peak price, is used to determine Metropolitan's off-peak energy costs.

³SP15, on-peak, is used to determine the market value of Metropolitan's sales of excess energy, if any. SP15 on-peak is also used to determine the pumping costs associated with pumping non-Metropolitan water through the CRA system, unless otherwise provided by contract.

⁴MEAD, off-peak, is used to determine Metropolitan's off-peak supplemental energy costs imported at MEAD substation for power outside of the CAISO.

⁵MEAD, on-peak, is used to determine Metropolitan's on-peak supplemental energy costs imported at MEAD substation for power outside of the CAISO. The market value of Metropolitan's sales of excess energy, when not all power supply is needed for the CRA pumps, if any is valued at SP15 index for on and off-peak periods.

Metropolitan's current basic power resource mix, which is comprised of generation from Hoover and Parker dams, is cost effective but is not sufficient energy to pump Metropolitan's Colorado River water supplies in all years. For that reason, Metropolitan is required to purchase additional or supplemental power to transport Colorado River water supplies in some years. As a result, Metropolitan requires that any party seeking to transport non-Metropolitan water through its Colorado River Aqueduct to purchase, or arrange for Metropolitan to purchase, the power supplies required to pump that water.

Supplemental power can be purchased and transmitted to Metropolitan to pump non-Metropolitan water through the CRA. The market rate for electric energy prices is regularly tracked and published for various regions in California. Metropolitan uses the CAISO Open Access Same-time Information System (OASIS) Day-Ahead Locational Marginal Price as reflective of the supplemental power costs for electric energy used for its pumping plants on the CRA. The regional index applicable to energy sold for use on the CRA is designated as "South-of-Path 15", or SP15, and is reflective of Southern California market energy prices.

South-of-Path 15 On-Peak Energy Prices, \$/MWh

	CY 2017	CY 2018	CY 2019	CY 2020	CY 2021
January	\$36.22	\$37.09	\$42.56	\$33.60	\$33.22
February	\$28.52	\$36.84	\$72.73	\$26.85	\$71.09
March	\$23.97	\$32.39	\$35.98	\$25.49	\$29.91
April	\$26.71	\$27.69	\$24.83	\$17.11	\$28.04
May	\$32.08	\$24.12	\$20.25	\$16.81	\$26.59
June	\$38.14	\$31.45	\$24.81	\$23.72	\$56.06
July	\$41.49	\$101.04	\$35.24	\$31.63	\$78.89
August	\$54.96	\$85.22	\$36.39	\$108.05	\$65.08
September	\$43.18	\$38.32	\$40.35	\$46.14	\$72.09
October	\$47.86	\$41.09	\$35.71	\$48.29	\$57.89
November	\$44.82	\$55.50	\$37.44	\$39.32	\$60.14
December	\$44.21	\$57.26	\$37.80	\$40.80	\$63.40

MWh = megawatt-hour, or 1,000 kilowatt-hours

Financial forecast for the budget assumes all supplement energy purchased at SP 15 rates.

BUDGET HIGHLIGHTS

The budget for the CRA power is increasing in FY 2022/23 compared to FY 2021/22 due to increased diversions at Intake resulting in increased use of supplemental power and increased market costs of supplemental power. Additionally, the greenhouse gas charge collected by the California Air Resources Board is increasing and a resource adequacy requirement was added to the proposed budget.

In FY 2023/24, costs are lower due to reduced diversions at Intake.

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SUPPLY PROGRAMS

OVERVIEW

Metropolitan's principal sources of water supplies are the State Water Project (SWP) and the Colorado River. Metropolitan receives water delivered from the SWP under State Water Contract (SWC) provisions, including contracted supplies, use of carryover storage in San Luis Reservoir, and surplus supplies. Metropolitan also holds rights to a basic apportionment of Colorado River water and has priority rights to an additional amount from the Colorado River depending on availability of surplus supplies. The Supply Programs supplement these SWP and Colorado River supplies. The budgeted costs for the Supply Programs are as follows:

Supply Programs Cost Summary, \$ millions

	2020/21 Actuals	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
AVEK High Desert Water Bank*	\$6.4	\$26.2	\$38.4	\$12.2	\$46.0	\$7.6
IID/MWD Conservation	11.0	13.8	12.0	(1.7)	12.4	0.4
In Basin	9.2	6.3	2.7	(3.5)	3.6	0.8
Multi Species Conservation Program	4.0	4.1	4.1	0.0	4.2	0.0
Other CRA	8.6	10.1	13.6	3.6	15.6	2.0
Other SWP Programs	11.5	8.1	9.7	1.4	1.6	(8.3)
PVID Program	7.8	0.2	7.4	9.0	7.2	1.6
Sites Reservoir	10.4	0.0	7.0	8.0	7.0	1.0
System Conservation	0.0	0.0	10.0	10.0	10.0	0.0
Total Supply Programs	\$68.9	\$68.7	\$105.1	\$36.4	\$110.1	\$5.0

* The expenditures for AVEK High Desert Water Bank program are proposed to be bond funded.

Budgeted Supply Programs costs represent opportunities and actions associated with a 25 percent SWP allocation in 2022, 40 percent allocation in 2023, and 50 percent allocation in 2024 percent SWP allocation and diversions on the CRA of 923 to 1,007 TAF. On the SWP, Supply Program expenses support maximizing storage capabilities of the Central Valley storage programs, utilizing transfer and exchange programs recently executed, and bringing the balance into the region. On the CRA, the expenses support the Palo Verde Irrigation District land fallowing program and the Imperial Irrigation District/Metropolitan Conservation Program, as well as other programs to conserve and develop supplies.

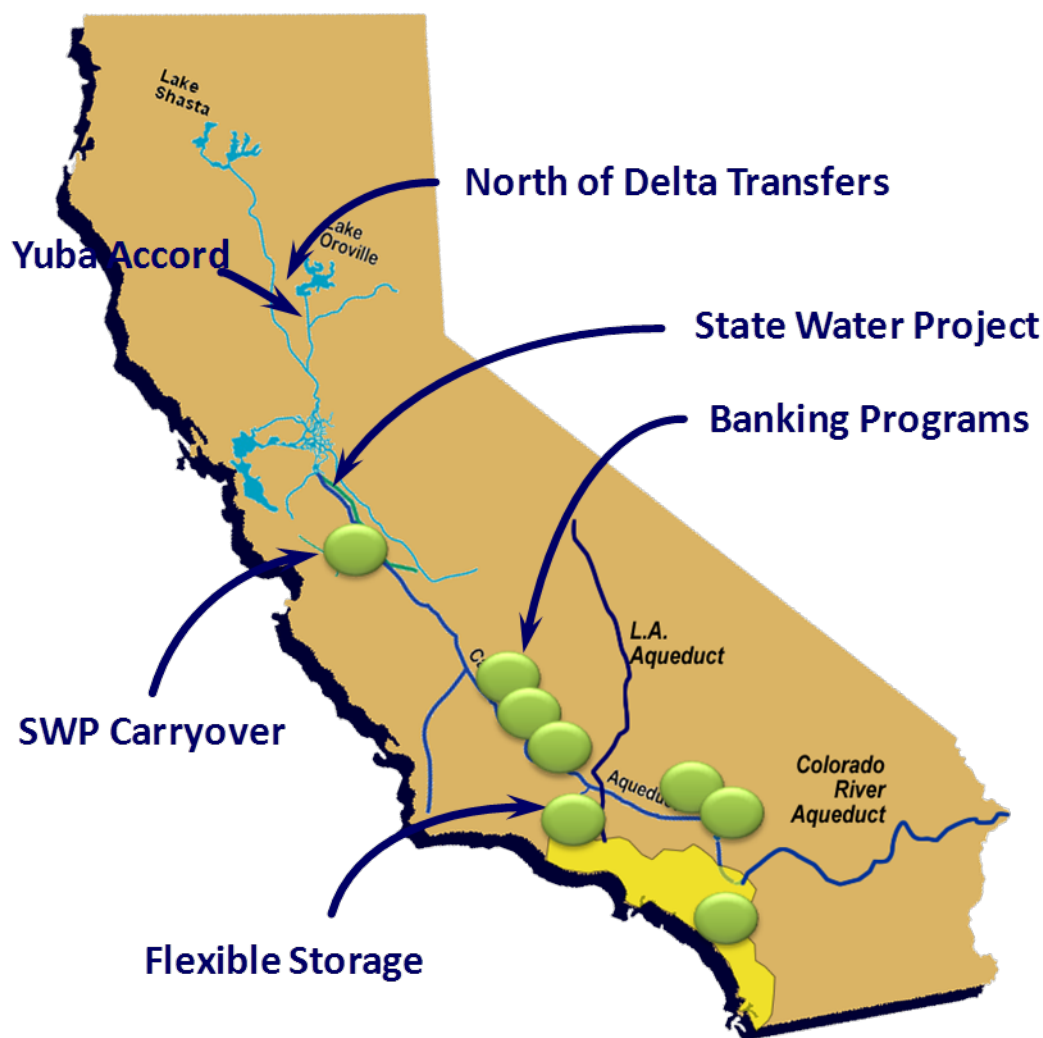
SUPPLY PROGRAMS DEVELOPED ALONG THE STATE WATER PROJECT

Since adoption of the 1996 Integrated Resources Plan (1996 IRP) and subsequent updates, Metropolitan has developed and actively managed a portfolio of supplies to convey through the California Aqueduct, as shown in Figure 10. The geographical locations of the projects are indicated by the green dots; Metropolitan's service area is designated by the yellow highlighted area. Metropolitan submits delivery schedules to DWR for these supplies, and alters these schedules throughout the year based on changes in the availability of SWP and Colorado River water. The portfolio of supplies that Metropolitan has developed to be conveyed through the SWP since adoption of the Monterey Amendments and the 1996 IRP extend from north of the Delta to Southern California.

Since the Monterey Amendments, Metropolitan has secured one-year water transfer supplies through Metropolitan-only purchases, buyer coalition-purchases, and Governor Drought Water Banks. The most recent years that Metropolitan secured these one-year transactions were 2008 through 2010, and 2015. Metropolitan opted not to pursue these transactions in 2012 through 2014 or 2018. Most of the sellers were Sacramento Valley water users who are not Contractors. Other Contractors obtained one-year water transfers during this time frame as well. There were no single-year transfer programs in 2011, 2016-2017, or 2019 because of favorable water supply conditions and lack of capacity to move transfer supplies through the Delta.

In addition to the above one-year water transfers, Metropolitan purchases long-term water transfer supplies through the Yuba Accord. The Yuba Accord has provided water to enhance SWP and CVP water supply reliability by offsetting Delta export reductions and providing dry year water supplies for participating SWP and CVP contractors. Acting as the intermediary for Yuba Accord transactions, DWR purchases water made available by the Yuba County Water Agency and sells a portion of such water to Metropolitan. Water purchased under the Yuba Accord is not SWP water.

Figure 10: California Aqueduct Portfolio of Supplies

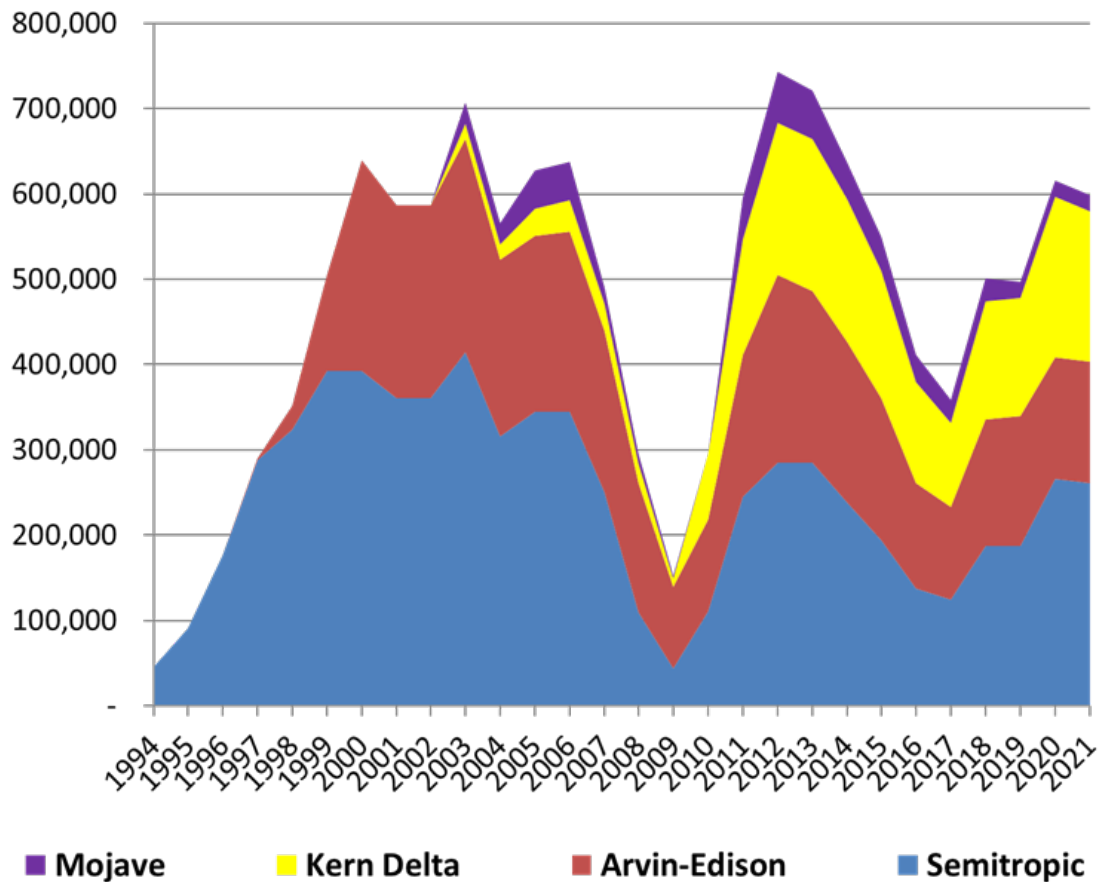


In addition to one-year transfers, and the Yuba Accord water, Metropolitan has developed groundwater storage agreements that allow Metropolitan to store available supplies in the Central Valley for return later. Metropolitan enters into point of delivery agreements with DWR to deliver water supplies from the SWP facilities to these

storage programs. Later, Metropolitan enters into introduction of local supplies agreements to return these water supplies to the SWP system for delivery to Metropolitan's service area. Metropolitan's storage activities are shown in Figure 11. The figure shows how the programs function to store supplies during surplus conditions and return supplies during a drought. The storage programs have demonstrated that they can provide a significant amount of water when needed.

SWP Groundwater Storage Programs year-end balance, acre-feet

- Arvin-Edison Storage Program: under the agreement, Arvin-Edison Water Storage District stores water on behalf of Metropolitan. Up to 350,000 acre-feet can be stored; Arvin-Edison is obligated to return up to 75,000 acre-feet of stored water in any year to Metropolitan, upon request. The water is returned by direct groundwater pump-in and exchange of SWP supplies. A 2017 State Water Resources Control Board (SWRCB) regulation setting a Maximum Contaminant Level (MCL) for trichloropropane (TCP) has temporarily suspended use of this program due to the levels detected in the program groundwater wells. In November 2021, a change in point-of-delivery was initiated to allow Metropolitan access to its stored water through an operational exchange of Friant Division CVP water supplies with SWP supplies in San Luis Reservoir.
- Semitropic Storage Program: under the agreement, Metropolitan stores water in the groundwater basin underlying land within the Semitropic Water Storage District. The maximum storage capacity is 350,000 acre-feet. Currently, the minimum annual yield to Metropolitan is 38,200 acre-feet, and the maximum annual yield is 229,700 acre-feet depending on the available unused capacity and the SWP allocation. The water is returned by direct groundwater pump-in and exchange of SWP supplies.
- Kern Delta Storage Program: under the agreement, Kern Delta Water District provides groundwater banking and exchange transfer to allow Metropolitan to store up to 250,000 acre-feet of SWP water in wet years and take up to 50,000 acre-feet annually during droughts. The water is returned by direct groundwater pump-in or by exchange of surface water supplies.
- Mojave Storage Program: under the agreement, Mojave Water Agency provides groundwater banking and exchange transfers to allow Metropolitan to store up to 390,000 acre-feet for later return. The agreement allows Metropolitan to annually withdraw Mojave Water Agency's SWP contractual amounts, after accounting for local needs. The Mojave storage program returns water only by exchange of surface water supplies.
- Antelope Valley-East Kern (AVEK) Storage Program: under the storage agreement, Metropolitan, at its discretion, would return half of the exchange water to AVEK at the Banks pumping plant. Under the Storage Program, Metropolitan, at its discretion, could store up to 30,000 acre-feet of its SWP Table A amount or other supplies in the Antelope Valley Groundwater Basin in an account designated for Metropolitan. The water is returned by exchange of SWP supplies or direct groundwater pump-in.
- Antelope Valley-East Kern (AVEK) High Desert Water Bank Program: under this agreement, AVEK provides storage for up to 70,000 acre-feet per year of its unused SWP Table A amount to Metropolitan or other supplies for later return. The maximum storage capacity for Metropolitan supplies would be 280,000 acre-feet. The program is designed to return up to 70,000 acre-feet per year by direct pump-in to the East Branch of the California Aqueduct. Water can also be returned by exchange of SWP supplies when available.
- Sites Reservoir: under a participation agreement, Metropolitan is contributing to planning activities for a proposed reservoir project of approximately 1.3 to 1.5 million acre-feet being analyzed by the Sites Reservoir Authority, to be located in Colusa County. Water stored for the proposed project would be diverted from the Sacramento River. The maximum storage capacity for Metropolitan supplies would be 311,700 acre-feet. As proposed, the program would be designed to return up to 50,000 acre-feet per year on average to Metropolitan by direct pump-in to the Sacramento River. Metropolitan's agreement to participate in funding of this phase of project development activities does not commit Metropolitan to participate in any actual reservoir project that may be undertaken in the future.

Figure 11: SWP Groundwater Storage Programs, acre-feet

Metropolitan has developed exchanges and transfers with other Contractors to enhance supply flexibility. Some of these agencies have extensive groundwater supplies and are willing to exchange their SWP supplies.

- San Gabriel Valley Water District:** under this agreement, Metropolitan delivers treated water to a San Gabriel Valley Water District (SGVMWD) sub-agency in exchange for twice as much untreated SWP supplies delivered into the Main San Gabriel groundwater basin. The groundwater basin supplies water to both Metropolitan and SGVMWD sub-agencies. Each year Metropolitan purchases 5,000 acre-feet minus the unbalanced exchange amount. By mutual agreement Metropolitan may purchase more than the 5,000 acre-feet per year should SGVMWD have additional supplies available. This program has the potential to increase Metropolitan's reliability by providing 115,000 acre-feet through 2035.
- Desert Water Agency/Coachella Valley Water District Advance Delivery Program:** under this program, Metropolitan delivers Colorado River water to the Desert Water Agency (DWA) and Coachella Valley Water District (CVWD) in advance of the exchange for their SWP Contract Table A allocations. In addition to their Table A supplies, the agencies can take delivery of SWP supplies available under Article 21 and the Turn-back Pool Program, and non-SWP supplies separately acquired by each agency. These non-SWP supplies have included Yuba Accord water, drought water bank water, and San Joaquin Valley water. By delivering enough water in advance to cover Metropolitan's exchange obligations, Metropolitan is able to receive DWA and CVWD's available SWP supplies in years in which Metropolitan's supplies are insufficient without having to deliver an equivalent amount of Colorado River water. In December 2019, the exchange agreements were amended to provide more flexibility and operational certainty for the parties involved. Additionally, under

the amended agreement, CVWD and DWA in wet years pay a portion of Metropolitan's water storage management costs, up to a combined total of \$4 million per year.

SUPPLY PROGRAMS DEVELOPED ALONG THE COLORADO RIVER AQUEDUCT

Since adoption of the 1996 IRP and subsequent updates, Metropolitan has developed and actively manages a portfolio of supplies to convey through the CRA. Metropolitan determines the delivery schedule of those resources throughout the year based on changes in the availability of SWP and of Colorado River water. Figure 12 shows the geographic location of the portfolio of additional CRA supplies, designated by the red dots, which Metropolitan has developed for diversion into the CRA since adoption of the 1996 IRP. These resources extend from Lake Mead to Southern California and provide supply to Metropolitan's service area, which is shown in the yellow highlighted area.

Figure 12: Colorado River Aqueduct Portfolio of Supplies



- **Bard Fallowing:** Approved by the MWD Board in December 2019, the Bard Water District (Bard) Seasonal Fallowing Program (Program) incentivizes farmers to fallow land irrigated with Colorado River water for the spring and summer months in order to reduce water consumption in Bard and augment Metropolitan's Colorado River supplies. Metropolitan estimates a water savings of 2.2 acre-feet per irrigable acre. A fallowing call inviting farmers in Bard Unit to participate has been made for the summer of 2022.

- Imperial Irrigation District/Metropolitan Conservation Program: Under a 1988 Conservation Agreement, Metropolitan has funded water efficiency improvements within the Imperial Irrigation District's (IID) service area in return for the right to divert the water conserved by those investments. Metropolitan provided funding for IID to construct and operate a number of conservation projects that have conserved up to 109,460 acre-feet of water per year that is then available to Metropolitan. Execution of the Quantification Settlement Agreement (QSA) and related agreements resulted in changes in the availability of water under the program. As a result of a 2014 IID-Metropolitan letter agreement, the amount of water conserved by IID has been quantified at 105,000 acre-feet per year beginning in 2016. Metropolitan is guaranteed at least 85,000 acre-feet per year, with the remainder of the conserved water being made available to the Coachella Valley Water District (CVWD), if needed under the 1989 Approval Agreement as amended. However, in a recent clarifying agreement, CVWD has agreed to limit its call to 15,000 acre-feet per year through 2026, yielding 90,000 acre-feet annually from the program for Metropolitan, with Metropolitan delivering the remaining 15,000 AF to CVWD at Whitewater.
- N-Drip Irrigation: Metropolitan has agreed to jointly fund a pilot project in Arizona to test the efficacy of a novel drip irrigation technology produced by an Israeli company called N-Drip. The key component of the technology is a drip emitter that resists clogging under relatively low water pressure, which allows for drip irrigation systems without pumps or electricity, significantly reducing the cost of installation and operation. Other funding partners include the Central Arizona Water Conservation District (the project lead), the Southern Nevada Water Authority, the Central Utah Water Conservancy District, and Denver Water. The pilot is primarily a research project expected to yield minimal water savings for Metropolitan (at most, 400 AF in 2022). However, if the technology is widely adopted in the future, it could yield significant additional conservation savings that could increase Metropolitan's Colorado River supplies.
- Palo Verde Land Management, Crop Rotation, and Water Supply Program: Under this program, participating landowners in the PVID's valley service area are paid to reduce water use by not irrigating a portion of their land. A maximum of 35 percent of the participating lands within the Palo Verde Valley can be fallowed in any given year. This program saves up to 133,000 acre-feet of water in certain years, and a minimum of 33,000 acre-feet per year. The term of the program is 35 years. Fallowing began in 2005. In March 2009, Metropolitan and PVID entered into a supplemental emergency fallowing program within PVID that provided for the fallowing of additional acreage in 2009 and 2010. Since 2005, over 1.3 million acre-feet total of Colorado River water has been conserved. The volume of water that becomes available to Metropolitan is governed by the QSA and the Colorado River Water Delivery Agreement. Under these agreements:
 - Metropolitan must reduce its consumptive use of Colorado River water by that volume of consumptive use by PVID and holders of Priority 2 that is greater than 420,000 acre-feet in a calendar year, or
 - Metropolitan may increase its consumptive use of Colorado River water by that volume of consumptive use by PVID and holders of Priority 2 that is less than 420,000 acre-feet in a calendar year.

In both cases, each acre-foot of reduced consumptive use by PVID is an additional acre-foot that becomes available to Metropolitan.

- Quechan Fallowing: Approved by the MWD Board in December 2021, the Metropolitan/Quechan Tribe Seasonal Fallowing Pilot Program (Pilot) incentivizes farmers to fallow land irrigated with Colorado River water for the spring and summer months in order to reduce water consumption in the Quechan tribal land and augment Metropolitan's Colorado River supplies. Since the Quechan Tribe's water supplies have a higher priority than Metropolitan's on the Colorado River, Metropolitan benefits from the reduced water consumption as the saved water will remain in the Colorado River and be made available for diversion.
- Southern Nevada Water Authority and Metropolitan Storage and Interstate Release Agreement: Under this 2004 agreement and a related Operational Agreement, the Southern Nevada Water Authority (SNWA) may offer a portion of its Colorado River water supplies to Metropolitan when there is space available in the CRA

to receive the water. SNWA may call for return of the water in a future year, in which Metropolitan would reduce its Colorado River water order to return this water. In 2009, 2012, and 2015, Metropolitan, the Colorado River Commission of Nevada, and SNWA amended the related Operational Agreement dealing with volumes of water that may be stored or called at various times. The agreements can be terminated upon 90 days' notice following the return of the water stored by Metropolitan.

- Lower Colorado Water Supply Project: This project develops additional water supplies by pumping groundwater into the All-American Canal for delivery to IID. An equal volume of Colorado River water is then made available for other water users along the river. Under a contract among Metropolitan, the City of Needles, and the United States Bureau of Reclamation, Metropolitan receives any excess unused water developed by the project. Metropolitan makes payments to a trust fund to develop a replacement project or to desalt the groundwater should the groundwater become too saline for discharge into the All-American Canal.
- Exchange with the United States (San Luis Rey): 16,000 acre-feet from the All-American and Coachella Canal lining projects is allocated to the San Luis Rey Settlement Parties. The United States furnishes this water at Metropolitan's Colorado River Intake on Lake Havasu. Metropolitan takes possession of the water and by exchange delivers an equal volume of Metropolitan's blended supplies to SDCWA. By separate agreement, SDCWA conveys the water to the San Luis Rey Settlement Parties.
- California ICS Agreement: Under a 2007 agreement and its amendment, Metropolitan may store a portion of IID's excess conservation in Metropolitan's service area, subject to both annual creation and total accumulation limits. IID may call for return of the water in a future year, in which Metropolitan would reduce its Colorado River water order to return the water.
- Lake Mead Storage Program: In December 2007, Metropolitan entered into agreements to set forth the guidelines under which Intentionally Created Surplus (ICS) water is developed, stored in, and delivered from Lake Mead. The amount of water stored in Lake Mead must be created through extraordinary conservation, system efficiency, or tributary conservation methods. ICS is available for delivery in a subsequent year, with Extraordinary Conservation ICS subject to a one-time deduction to benefit the river system and annual evaporation losses. Extraordinary conservation methods used by Metropolitan to date are water saved by fallowing in the Palo Verde Valley, projects implemented with IID in its service area, the Lower Colorado Water Supply Project, All American and Coachella Canal water received under the San Luis Rey Indian Water Rights Settlement Agreement prior to the settlement parties receiving the water, groundwater desalination, groundwater recovery, water conserved from Metropolitan's Landscape Transformation Program, water conserved from implementation of indoor water conservation devices, and water recycling. "System Efficiency ICS" can be created through the development and funding of system efficiency projects that save water that would otherwise be lost from the Colorado River. Metropolitan has participated in two projects to create System Efficiency ICS, and two projects to create ICS by conservation in Mexico:
 - Yuma Desalting Pilot Project: Metropolitan contributed funds toward the 2010-2011 pilot run of the Yuma Desalting Plant in exchange for a portion of the desalinated water produced by the project. The Yuma Desalting Plant treated brackish agricultural drainage that flows into Mexico to the Ciénega de Santa Clara at the terminus of the Colorado River but does not count as deliveries to Mexico under the Mexican Water Treaty. Metropolitan's portion of the desalinated water was 24,397 acre-feet and this water was stored in Lake Mead. Metropolitan can take delivery of up to the entire amount in any single year.
 - Drop 2 (Warren H. Brock) Reservoir: Metropolitan contributed funds toward the Bureau of Reclamation's construction of an 8,000 acre-foot off-stream regulating reservoir near Drop 2 of the All-American Canal in Imperial County. This reservoir conserves about 55,000 acre-feet of water per year by capturing and storing otherwise non-storable flow. In return for its funding, Metropolitan received 100,000 acre-feet of water that was stored in Lake Mead, and has the ability to take delivery of up to 25,000 acre-feet of water in any single year. Besides the additional water supply, the new reservoir adds to the flexibility of Colorado River operations.

- In November 2012, Metropolitan executed agreements in support of a program to augment Metropolitan's Colorado River supply between 2013 and 2017 through an international pilot project in Mexico. Metropolitan's total share of costs was \$5 million for 47,500 acre-feet of project supplies. The costs were paid, and the conserved water was credited to Metropolitan's intentionally-created surplus water account. In December 2013, Metropolitan and IID executed an agreement under which IID paid half of Metropolitan's program costs, or \$2.5 million, in return for half of the project supplies, 23,750 acre-feet.
- In September 2017, Metropolitan executed agreements in support and continuation of a program to augment Metropolitan's Colorado River supply through international pilot projects in Mexico. Under the new set of agreements, Metropolitan's total share of costs are expected to be \$3.75 million for 27,275 acre-feet of project supplies. The costs will be paid in three parts, 2020, 2023, and 2026. Water was and will be received in the year of payment.
- In May 2019, Upper and Lower Basin Drought Contingency Plans (DCP) were executed and became effective. The Lower Basin DCP Agreement requires California, Arizona, and Nevada to store defined volumes of water in Lake Mead at specified lake levels. Pursuant to intrastate implementation agreements, and the September 16, 2021 Settlement Agreement with IID, Metropolitan will be responsible for 93 percent of California's DCP Contributions under the Lower Basin DCP. Implementation of the Lower Basin DCP enhances Metropolitan's ability to store water in Lake Mead, changes the one-time deduction and annual evaporation rates, and ensures that water in storage can be delivered at lower elevation levels. The Lower Basin DCP increases the total volume of water the California may store in Lake Mead by 200,000 acre-feet, which Metropolitan will have the right to use. The Lower Basin DCP will be effective through 2026.

In September 2021, Metropolitan and IID executed a settlement agreement. Provisions included Metropolitan's creation of an IID ICS-Sub Account. IID can store water in this sub account, subject to both annual creation and accumulation limits. Terms of IID's ICS Sub-Account mirror those of the Drought Contingency Plan with respect to one-time deductions, annual evaporation rates, and accessibility at various Lake Mead elevations. IID may call for return of the water in a future year, in which Metropolitan would reduce its Colorado River water order to return this water.

In addition to programs that add water to Lake Mead in an ICS account in Metropolitan's name, Metropolitan has entered into various agreements to create system water. System water does not accrue to the benefit of a user, but does increase the elevation of Lake Mead, thereby increasing the reliability of Metropolitan's base and transfer supplies. Programs or agreements that generate system water include:

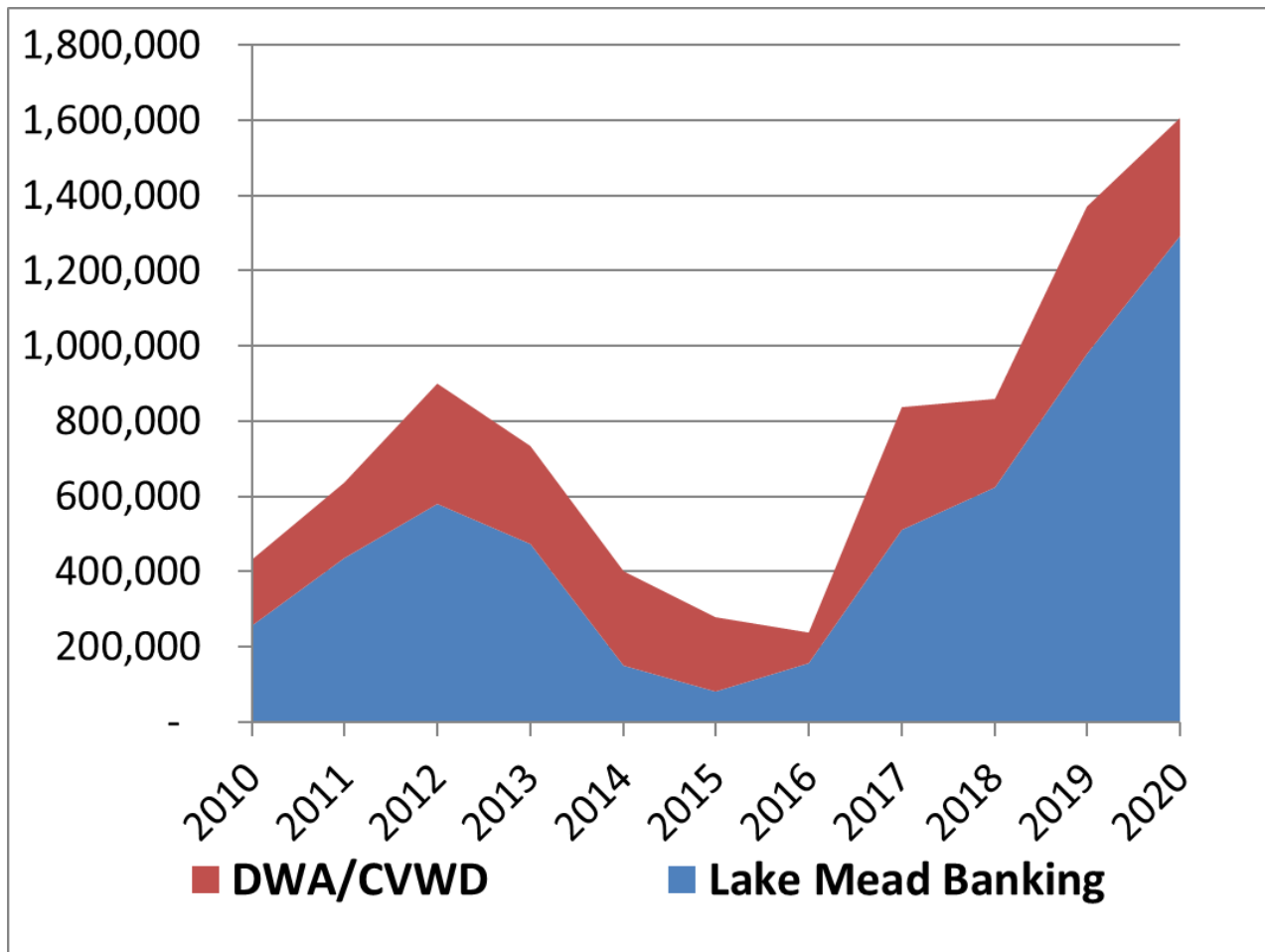
- PVID System Conservation - In June 2021, Metropolitan board approved entering into a funding agreement with the U.S. Bureau of Reclamation, Central Arizona Water Conservation District, and Southern Nevada Water Authority to fund fallowing additional acres under the Palo Verde Land Management, Crop Rotation, and Water Supply Program. The water conserved from the additional fallowed acres stays in Lake Mead to improve the system storage, thereby reducing risk of future water curtailments. The fallowing of the additional acres started August 1, 2021 and will continue through July 31, 2024. The projected water conserved under the agreement is up to 246,000 acre-feet.
- System Conservation – On July 30, 2014, Metropolitan entered into an agreement with USBR, CAWCD, SNWA, and DW for a Pilot Program for funding the creation of Colorado River system water through voluntary water conservation and reduction in use. While the pilot has ended, it was successful, and Metropolitan expects that a similar structure may be used to fund additional voluntary water conservation and reductions in use in response to the 24 Month Study's minimum probable projection of Lake Mead falling below elevation 1,030 feet within the next two years. While system conservation does not directly generate supplies for Metropolitan, it

does increase the elevation of Lake Mead, thereby increasing the reliability of Metropolitan's base and transfer supplies.

- Desert Water Agency/Coachella Valley Water District/Metropolitan Water Exchange and Advance Delivery Programs: Under these programs, Metropolitan delivers Colorado River water to the DWA and CVWD, in exchange for future deliveries by DWA and CVWD of an equal volume of their SWP supplies. By delivering enough water in advance to cover Metropolitan's exchange obligations, Metropolitan is able to receive DWA and CVWD's available SWP supplies in years in which Metropolitan's supplies are insufficient to deliver an equivalent amount of Colorado River water. In December 2019, the exchange agreements were amended to provide more flexibility and operational certainty for the parties involved. Additionally, under the amended agreement, Coachella and Desert in wet years pay a portion of Metropolitan's water storage management costs, up to a combined total of \$4 million per year¹.

¹ DWA has a SWP Table A contract right of 55,750 acre-feet per year and CVWD has a SWP Table A contract right of 138,350 acre-feet per year, for a total of 194,100 acre-feet per year. In addition to their Table A supplies, DWA and CVWD, subject to Metropolitan's written consent may by exchange take delivery of SWP supplies available under Article 21 of their SWP Contracts, the Turn-back Pool Program, and non-SWP supplies they may acquire and convey through SWP facilities. Under the Metropolitan-CVWD Delivery and Exchange Agreement for 35,000 Acre-feet, up to 35,000 acre-feet of Metropolitan's SWP Table A supply can be requested annually by CVWD for delivery by exchange. Through the Second Amendment to this agreement, CVWD can request an additional 15,000 acre-feet annually from 2020 through 2026, for an additional transfer amount of 105,000 acre-feet.

Figure 13 shows the year-end balance in Metropolitan's Colorado River storage programs. The combined capacity of the Lake Mead Storage program and the DWA/CVWD advance delivery program is 2,300,000 acre-feet. This is inclusive of the amount of water in storage in Lake Mead as a result of the Drop 2 Reservoir and Yuma Desalting Plant system efficiency projects.

Figure 13: Colorado River Storage Programs, acre-feet

In addition to the supply programs developed by Metropolitan, Metropolitan entered into an exchange agreement with the San Diego County Water Authority (SDCWA) in 1998, which was amended in 2003. The entire agreement, consideration exchanged between the parties, and obligations are found in the Amended and Restated Exchange Agreement and the related QSA Agreements. SDCWA acquires Colorado River water from two sources and exchanges up to 277,700 with Metropolitan for Metropolitan water deliveries. SDCWA makes available to Metropolitan Colorado River water it purchases from IID that is conserved within IID and conserved water from the lining of the All-American and Coachella canals. In exchange, Metropolitan delivers its own blended water to SDCWA in even monthly installments.

BUDGET HIGHLIGHTS

The budget for the Supply Programs increases over the budget period compared to FY 2020/21, primarily due to a lower SWP allocation of 25% in 2022 and 40% in 2023. As a result of lower than average SWP supplies, supply programs are being utilized to ensure adequate supplies are available to Metropolitan's service area. Additionally, as a result of historically low Lake Mead storage levels and a potential future shortage of Colorado River supplies, new and existing supply programs are being utilized to increase levels in Lake Mead.

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DEMAND MANAGEMENT

OVERVIEW

Demand Management costs are Metropolitan's expenditures for funding local water resource development programs, water conservation programs and all the Future Supply Actions Program. These demand management programs incentivize the development of local water supplies, the conservation of water to reduce the reliance on imported water, and funding of programs focused on removing barriers to the development of local water supplies. These programs are implemented after the service connection between Metropolitan and its member agencies and, as such, do not add any water to the quantity Metropolitan obtains from other sources or to Metropolitan's own supply. Rather, the effect of these downstream programs is to produce a local supply of water for the local agencies, and as a result, Metropolitan avoids and defers the need to deliver more water to its agencies, and accordingly, also avoids and defers additional costs associated with delivery of that additional water.

The budgeted costs for Demand Management are as follows:

Demand Management Cost Summary, \$ millions

	2020/21 Actuals	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Conservation Credits Program*	\$16.9	\$43.0	\$43.0	\$0.0	\$43.0	\$0.0
Local Resources Program	\$16.9	\$20.3	\$22.2	\$1.8	\$27.5	\$5.3
Future Supply Actions / Stormwater Pilot	\$1.2	\$7.1	\$3.6	(\$3.5)	\$2.4	(\$1.2)

* In FY2023 and FY2024 \$18 million per year of the expenditures for the Conservation Credits Program are proposed to be bond funded.

Budgeted Demand Management costs reflect the financial commitment for the Conservation Program, conservation messaging, and maintaining the financial incentives for existing contracts under the Local Resources Program.

In addition to Metropolitan's own objectives, Metropolitan also pursues local water resource development because it has uniquely been directed to do so by the state Legislature. In 1999, then Governor Davis signed Senate Bill (SB) 60 (Hayden) into law. SB 60 amended the Metropolitan Water District Act to direct Metropolitan to increase conservation and local resource development. No other water utility in California, public or private, has been specifically identified by the state Legislature and directed to pursue water conservation and local water resource development.

Metropolitan's Demand Management programs also support the region's compliance with the requirements of AB 1668 and SB 606. These bills build on Governor Brown's efforts to make water conservation a way of life in California and create a new foundation for long-term improvements in water conservation and drought planning. They establish guidelines for efficient water use and a framework for the implementation and oversight of the new standards, which must be in place by 2022. The two bills strengthen the state's water resiliency in the face of future droughts with provisions that include:

- Establishing water use objectives and long-term standards for efficient water use that apply to urban retail water suppliers; comprised of indoor residential water use, outdoor residential water use,

commercial, industrial and institutional (CII) irrigation with dedicated meters, water loss, and other unique local uses.

- Providing incentives for water suppliers to recycle water.
- Identifying small water suppliers and rural communities that may be at risk of drought and water shortage vulnerability and provide recommendations for drought planning.
- Requiring both urban and agricultural water suppliers to set annual water budgets and prepare for drought.

Metropolitan coordinates closely with its member agencies to achieve these provisions both at a retail agency level in compliance with legislative requirements and as a region.

Demand Management costs also support the Strategic Plan Policy Principles approved by Metropolitan's Board on December 14, 1999. These principles embody the Board's vision that Metropolitan is a regional provider of wholesale water services. In this capacity, Metropolitan is the steward of regional infrastructure and the regional planner responsible for coordinated drought management and the collaborative development of additional supply reliability and necessary capacity expansion. Through these regional services, Metropolitan ensures a baseline level of reliability and quality for service in its service area.

SB 60 DIRECTED METROPOLITAN TO EXPAND DEMAND MANAGEMENT PROGRAMS

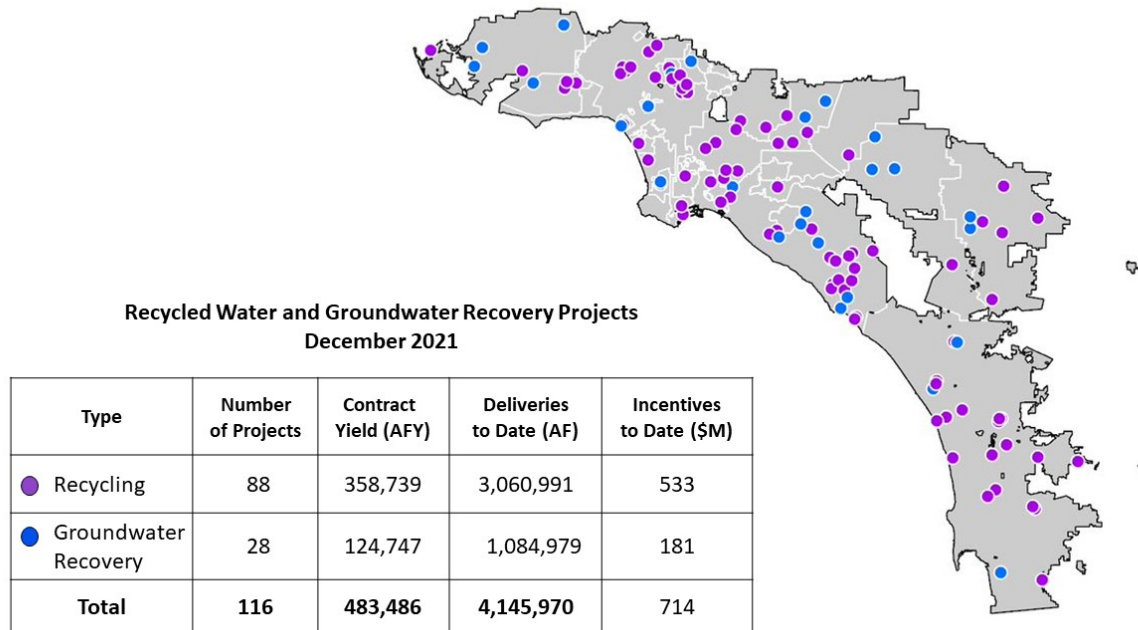
In September 1999, Governor Gray Davis signed SB 60 (Hayden) into law. SB 60 amended the Metropolitan Water District Act to direct Metropolitan to increase "sustainable, environmentally sound, and cost-effective water conservation, recycling, and groundwater storage and replenishment measures." SB 60 also requires Metropolitan to hold an annual public hearing to review its urban water management plan for adequacy in achieving an increased emphasis on cost-effective conservation and local water resource development, and to invite knowledgeable persons from the water conservation and sustainability fields to these hearings. Finally, Metropolitan is required to annually prepare and submit to the Legislature a report on its progress in achieving the goals of SB 60. SB 60 specifically indicated that no reimbursement was required by legislation because Metropolitan, as a local agency, has the authority to levy service charges, fees or assessments sufficient to pay for the program or level of service mandated by SB 60. No other water utility in California, public or private, has been specifically identified by the state Legislature and directed to pursue water conservation and local water resource development.

In FY 2020/21 alone, Metropolitan's service area achieved 1.7 million acre-feet of water savings from conservation, recycled water and groundwater recovery programs. The 1.7 million acre-feet of water savings from water management activities in fiscal year 2020/21 exceeded actual water transactions with member agencies in the same period of 1.57 million acre-feet. These savings derived from programs for which Metropolitan paid incentives, as well as code-based conservation achieved through legislation, building and plumbing codes and ordinances, and reduced consumption resulting from changes in water pricing. Cumulatively, since 1982 Metropolitan has invested more than \$1.5 billion and Metropolitan's service area has achieved 7.6 million acre-feet of water savings.

Metropolitan's Conservation Program provides incentives to residents and businesses for use of water-efficient products and qualified water-saving activities. Rebates have been provided to residential customers for turf removal and purchasing of high-efficiency clothes washers and toilets. Rebates are also provided to businesses and institutions for water-saving devices. In fiscal year 2020/21, the Conservation Program achieved 1.1 million acre-feet of saved water through new and existing conservation initiatives funded with incentives and maintained through plumbing codes. Cumulatively, through fiscal year 2020/21 the Conservation Program has achieved 3.5 million acre-feet of water savings.

Metropolitan provides financial incentives through its Local Resources Program for the development and use of recycled water and recovered groundwater. The Local Resources Program consists of 88 recycling projects and 28 groundwater recovery projects located throughout Metropolitan's service area. Under the program, there are a total of 116 projects in Operation. Since inception in 1982 through FY 2020/21, Metropolitan has provided about \$528 million in incentives to produce about 3.0 million acre-feet of recycled water and approximately \$181 million to recover 1,099,000 acre-feet of degraded groundwater for municipal use.

Local Resources Program Projects



BUDGET HIGHLIGHTS

The budget for the Demand Management costs is approximately the same when comparing the Biennial Budget to FY 2021/22. Increases in the Local Resources Program are offset by reductions in the Future Supply Actions and Stormwater Pilot Programs, while the Conservation Program remains unchanged at \$43M. Historically, conservation activity peaks during years of shortfalls and diminishes during periods of wet years. The Demand Management is budgeted at \$68.8 million for FY 2022/23 and \$72.9 million in FY 2023/24.

The demand management budget will be funded by a mixture of bond proceeds, current revenues from water rates, and any remaining balance from the Water Stewardship Fund. Historically, the annual demand management budget was funded entirely from the Water Stewardship Rate, which has since been discontinued. Per Board direction in December 2021, all future demand management costs not paid for through the issuance bonds or the use of the Water Stewardship Fund will be functionalized as supply in the cost of service and collected on the Tier 1 and Tier 2 supply rates.

DEVELOPMENTS

OVERVIEW

Today, Metropolitan finds that its challenges and goals are evolving. The Board of Directors in the 1990s was deeply concerned with member agencies relying too much on importing supplies from Northern California and the Colorado River. Programs to regionalize conservation efforts and to incentivize new local supplies such as the LRP were developed. This approach was developed through regional long-term planning via Metropolitan's Integrated Water Resources Plan (IRP) initiated in 1996.

Today, there is a shifting water landscape. Population growth and water demands, in large part due to tremendous strides in water use efficiency, are far less than once predicted. Metropolitan's water transactions, which include sales, exchanges, and wheeling, in fiscal year 2019 were the lowest in nearly 40 years, and a new generation of larger local supply projects are in the planning stages.

Delivery of imported supplies will always be a foundation to meet ongoing regional demands, even with climate change, and importantly so will storage of imported water for droughts and emergencies. Given the fluctuations in the availability of water resources, maintaining and enhancing system flexibility is a priority for Metropolitan. The evolving mix of Southern California's future water portfolio is still to be determined and will be impacted by future policies and decisions made by Metropolitan's Board.

Delta Conveyance

Within the region's water portfolio, supplies from the SWP remain an essential baseline water source for Southern California. Water from Northern California delivered through the SWP has provided key supplies in wet years to manage against dry years, and it is the only imported supply that can physically reach significant portions of Metropolitan's service area. This water source faces uncertainties due to climate change and the Delta's badly outdated delivery system; these problems are compounded by a declining ecosystem and 1,100-mile levee systems that are increasingly vulnerable.

California WaterFix was a comprehensive science-based solution proposed by the state to modernize critical water delivery infrastructure of the SWP. The California WaterFix proposed construction of new water intakes in the north Delta and two 40-foot diameter tunnels under the Delta terminating at a forebay in the south Delta. This would have fulfilled the requirement of the 2009 Delta Reform Act to contribute toward meeting the coequal goals of more reliably delivering water for California and protecting, restoring and enhancing the Delta ecosystem.

On April 29, 2019, Governor Newsom issued an executive order directing State agencies to develop a comprehensive statewide strategy to build a climate-resilient water system that included consideration of a single-tunnel Delta conveyance facility instead of the approved two-tunnel WaterFix project. In light of this order, DWR and the State Water Contractors deleted the WaterFix cost provisions from the current amendment process leaving only the water management provisions and embarked on a new public process to further negotiate proposed amendments related to cost allocation for a potential new Bay-Delta conveyance project. As a result, the costs of any such new project are yet unknown and Metropolitan's projected up to \$10.8 billion costs for California WaterFix are no longer included in its current or future budgeting or projections.

Consistent with the Governor's direction, the formal environmental review process for a proposed single tunnel Delta Conveyance Project commenced with the issuance by DWR of a Notice of Preparation under CEQA on January 15, 2020. Planning, environmental review and conceptual design work by DWR is expected to be

completed in the 2023-2024 time frame. The Proposed Biennial Budget includes Metropolitan's planned contribution of \$99.0 million for Delta conveyance project planning activities. This contribution follows Board policy that staff work with the State to find solutions to improve Delta conveyance. The focus over the next two years will be supporting the DWR as it seeks permits for a Delta conveyance project; participating in the Delta Conveyance Design and Construction Authority; and continuing to put forward sound scientific research to help inform and improve Delta management decisions. If staff determines that Metropolitan's appropriate contribution toward planning activities should exceed the budgeted amount, the General Manager will request authorization from the Board for additional funding. Additionally, the Board will separately consider Metropolitan's participation in a new Delta conveyance project once that proposed project is finalized by DWR. Information regarding the Delta conveyance project is located on Metropolitan's website at <https://www.mwdh2o.com/planning-for-tomorrow/securing-our-imported-supplies/delta-conveyance/>.

Regional Recycled Water Program

The Regional Recycled Water Program (RRWP), is a partnership between Metropolitan and the Sanitation Districts of Los Angeles County. In November 2020, Metropolitan's Board voted to proceed with the Environmental Planning Phase of the Program. This work will prepare the documentation needed for future Board approval of the Program Environmental Impact Report. As it has since its completion in 2019, the RRWP's demonstration facility will produce approximately 500,000 gallons per day and will continue to be operated to generate information needed for regulatory approval and to increase the efficiency of the treatment processes that may be used in a potential full-scale recycled water facility. The potential full-scale project, viewed as a potential third source of water for Metropolitan, would provide a reliable, drought-proof, climate-resilient, local supply for indirect potable reuse (IPR) through groundwater basin recharge, direct potable reuse (DPR) through raw water augmentation at Metropolitan's treatment plants, and direct industrial use. If approved, the full-scale project will produce 150 million gallons per day (mgd), or approximately 168,000 acre feet (AF) per year (AFY), of purified water.

Construction of the 0.5 mgd advanced water treatment demonstration plant was approved in 2017 and was completed in August 2019. Testing and operation of the plant began in October 2019 to confirm treatment costs and provide the basis for regulatory approval of the proposed treatment process and technical recommendations concerning design, operation, and optimization of the full-scale RRWP. The initial phase of testing is scheduled for completion in 2021 with future testing phases planned that will form the basis for the design, operation and optimization of, and will inform Metropolitan's Board decision whether to move forward with, a full-scaled advanced water treatment facility. The Board has not yet committed to a full-scale project; however, the planning costs for the backbone system of the RRWP are included in the Biennial Budget in the order of approximately \$20 million over the biennial period. Metropolitan has secured partners in the Southern Nevada Water Authority and Central Arizona Project who have each committed to pay a portion of the planning costs of the project and executed Memorandum of Understandings with Metropolitan to document their commitment to the program's success. Information regarding the RRWP is located on Metropolitan's website at <https://www.mwdh2o.com/planning-for-tomorrow/building-local-supplies/regional-recycled-water-program/>.

CAPITAL FINANCING

OVERVIEW

Capital financing costs are Metropolitan's expenditures for revenue bond debt service, General Obligation bond debt service, debt administration costs, and the funding of capital expenditures from current operating revenues, or Pay-As-You-Go (PAYGO).

The budgeted costs for capital financing are as follows:

Capital Financing Cost Summary, \$ millions

	2020/21 Actuals	2021/22 Budget	2022/23 Proposed	Change from 2021/22	2023/24 Proposed	Change from 2022/23
Debt Service	\$275.7	\$292.7	\$283.3	(\$9.4)	\$296.4	\$13.1
GO Bond Debt Service	7.1	8.2	2.0	(6.3)	2.0	0.0
Debt Administration	4.3	6.1	2.8	(3.3)	2.7	(0.1)
PAYGO	110.0	135.0	135.0	—	135.0	—
Total¹	\$397.1	\$442.0	\$423.0	(\$19.0)	\$436.0	\$13.0

¹ Does not include Departmental costs reflected elsewhere in this Budget.

Budgeted amounts for Capital Financing represent the expenditures for existing and future debt service, anticipated debt administration costs to support the debt portfolio, and PAYGO amounts to support the Capital Investment Plan. Metropolitan generally incurs long-term debt to finance projects or purchase assets which will have useful lives equal to or greater than the related debt. Revenue supported debt can be authorized by Metropolitan's Board of Directors.

CAPITAL INVESTMENT PLAN

The Capital Investment Plan (CIP) expenditures for FY 2022/23 and FY 2023/24 which includes Minor Capital Projects are estimated to be \$600 million. They are funded by current operating revenues (PAYGO) and revenue bond proceeds. The FY 2022/23 CIP expenditures are \$75 million higher than the FY 2021/22 budget, while the FY 2023/24 is unchanged from the FY 2022/23 budget. The largest areas of expenditures in the Biennial Budget are infrastructure refurbishment and replacement and infrastructure upgrades.

PAYGO Percentage of Funding, \$ millions

	2021/22 Budget	2022/23 Proposed	2023/24 Proposed
CIP	\$225.0	\$300.0	\$300.0
Project Funding:			
Bond Proceeds	90.0	165.0	165.0
Prior Bond Funds/Construction Fund	—	—	—
Grants and Loans Funds	—	—	—
Operating Revenues (PAYGO)	135.0	135.0	135.0
PAYGO Percentage of Funding	60.0 %	45.0 %	45.0 %

In FY 2022/23 and FY 2023/24, the percentage of capital that is funded by operating revenues is set at 45% consistent with the FY 2022/23 and FY 2023/24 ten-year forecast for this time period. The projected percentage of capital funded from operating revenues will range from 17 percent to 45 percent over the ten years of the long-range forecast.

SUPPLY PROGRAMS

In FY 2022/23 and FY 2023/24 the Supply Programs include capital expenditures related to the development of the AVEK High Desert Water Bank program. These expenditures will be recorded as participation rights and are proposed to be funded by debt. Remaining project costs total \$97.9 million and would be covered by debt issuance during the biennium.

CONSERVATION

In FY 2022/23 and FY 2023/24 the Conservation Program is budgeted at \$43 million in each year. It is proposed that expenditures in excess of \$25 million will be funded by debt. Debt issuance of \$36 million is proposed during the biennium to cover the additional conservation expenditures.

OUTSTANDING DEBT

Metropolitan has total debt outstanding of \$3.9 billion as of December 31, 2021. Metropolitan's debt issues are summarized below and discussed in detail thereafter.

Outstanding Debt, \$'s, as of December 31, 2021

Issue	Debt Outstanding
2000 Authorization, Series B-3, Water Revenue Bonds (1)	\$78,900,000
2011 Series C, Water Revenue Refunding Bonds	29,315,000
2012 Series A, Water Revenue Refunding Bonds	181,180,000
2012 Series F, Water Revenue Refunding Bonds	26,540,000
2012 Series G, Water Revenue Refunding Bonds	88,230,000
2014 Series E, Water Revenue Refunding Bonds	62,835,000
2015 Series A, Authorization Water Revenue Bonds	199,000,000
2016 Series A, Water Revenue Refunding Bonds	239,455,000
2016 Series B-1, Special Variable Rate Water Revenue Refunding Bonds (1)	41,450,000
2016 Series B-2, Special Variable Rate Water Revenue Refunding Bonds (1)	41,455,000
2017 Series A, Authorization Water Revenue Bonds (1)	80,000,000
2017 Series A, Subordinate Water Revenue Refunding Bonds	219,215,000
2017 Series B, Subordinate Water Revenue Refunding Bonds	106,930,000
2017 Series C, Subordinate Water Revenue Bonds (1)	80,000,000
2017 Series D, Subordinate Water Revenue Refunding Bonds (1)	95,630,000
2017 Series E, Subordinate Water Revenue Refunding Bonds (1)	95,625,000
2018 Series A, Subordinate Water Revenue Refunding Bonds	49,990,000
2018 Series A-1, Special Variable Rate Water Revenue Refunding Bonds (1)	45,035,000
2018 Series A-2, Special Variable Rate Water Revenue Refunding Bonds (1)	45,035,000
2018 Series B, Subordinate Water Revenue Bonds	64,345,000
2018 Series B, Water Revenue Refunding Bonds	129,125,000
2019 Series A, Water Revenue Refunding Bonds	218,090,000
2019 Series A, Subordinate Water Revenue Refunding Bonds	228,880,000
2020 Series A, Water Revenue Bonds	207,355,000
2020 Series A, Subordinate Water Revenue Refunding Bonds	152,455,000
2020 Series B, Special Variable Rate Water Revenue Refunding Bonds (2)	271,815,000
2020 Series C, Water Revenue Refunding Bonds	265,680,000
2021 Series A, Water Revenue Bonds	188,890,000
2021 Series A, Variable Rate Water Revenue Refunding Bonds (1)	222,160,000
2021 Series B, Water Revenue Refunding Bonds	98,410,000
Total Revenue Bonds	\$3,853,025,000
2019 Series A, WaterWorks General Obligation Refunding Bonds	13,165,000
2020 Series A, WaterWorks General Obligation Refunding Bonds	13,665,000
Total General Obligation Bonds	\$26,830,000
Total Revolving Note Program	—
Total Debt:	\$3,879,855,000

(1) Outstanding variable rate obligation.

(2) Issued in fixed mode.

DEBT SERVICE

Debt Service payments in FY 2022/23 are budgeted at \$288.0 million and includes \$2.0 million in General Obligation bond debt service, \$283.3 million in revenue bond debt service, and \$2.8 million for debt administration costs.

Debt Service payments in FY 2023/24 are budgeted at \$301.0 million and include \$2.0 million in General Obligation bond debt service, \$296.4 million in revenue bond debt service, and \$2.7 million for debt administration costs. Total debt service costs in FY 2023/24 are expected to be \$13.0 million greater than the FY 2022/23 payments. Interest payments on synthetic fixed rate debt were calculated at their associated swap rates. Interest rates on variable rate debt were calculated at 0.5 percent for FY 2022/23 and 0.75 percent for FY 2023/24.

Outstanding variable rate debt on December 31, 2021 was approximately \$825.3 million, including bonds bearing interest in the Index Mode, special variable rate bonds initially designated as self-liquidity bonds, variable rate demand obligations, and revolving note programs. Of the \$825.3 million, \$406.0 are treated by Metropolitan as fixed rate debt by virtue of interest rate swap agreements. The remaining \$419.3 million of variable rate obligations represent approximately 8.0 percent of total outstanding water revenue bonds and revolving notes.

Going forward, Metropolitan will finance a portion of its construction program, Supply Program capital expenditures, and additional Conservation Program expenditures through issuance of fixed-rate debt. Metropolitan intends to issue approximately \$463.9 million of new debt over the biennium.

DEBT RATINGS

Credit risk is the risk that a financial loss will be incurred if a counterparty to a transaction does not fulfill its financial obligations in a timely manner. This is measured by the assignment of a rating by a nationally recognized statistical credit rating organization. Strong credit ratings provide tangible benefits to ratepayers in the form of reduced debt service cost. A strong credit rating provides better access to capital markets, lower interest rates and better terms on debt, and access to a greater variety of debt products. Prudent financial management policies have resulted in Metropolitan's senior lien bond ratings of AAA from Standard & Poor's, Aa1 from Moody's, and AA+ from Fitch.

DEBT POLICY AND COVERAGE

Metropolitan is subject to limitations on additional revenue bonds. Resolution 8329 (the "Master Revenue Bond Resolution"), adopted by Metropolitan's Board in 1991 and subsequently supplemented and amended, provides for the issuance of Metropolitan's revenue bonds. The Master Revenue Bond Resolution limits the issuance of additional obligations payable from Net Operating Revenues, among other things, through the requirement that Metropolitan must meet an Additional Bonds Test, as defined in the Master Revenue Bond Resolution. Metropolitan's Master Subordinate Bond Resolution, Resolution 9199, adopted by the Board in March 2016, and subsequently supplemented and amended, also incorporates limitations on additional revenue bonds.

The Metropolitan Act also provides two additional limitations on indebtedness. The Act provides for a limit on general obligation bonds, water revenue bonds and other indebtedness at 15 percent of the assessed value of all taxable property within Metropolitan's service area. As of December 31, 2021, outstanding general obligation bonds, water revenue bonds and other evidences of indebtedness in the amount of \$3.9 billion represented approximately 0.11 percent of the FY 2021/22 taxable assessed valuation of \$3,392 billion. The second limitation under the Act specifies that no revenue bonds may be issued, except for the purpose of refunding, unless the amount of net assets of Metropolitan as shown on its balance sheet as of the end of the last fiscal year prior to the issuance of the bonds equals at least 100 percent of the aggregate amount of revenue bonds

outstanding following the issuance of the bonds. The net position of Metropolitan at June 30, 2021 was \$7.2 billion. The aggregate amount of revenue bonds outstanding as of December 31, 2021 was \$3.9 billion.

Metropolitan has also established its own policy regarding debt management. The purpose is to maintain a balance between current funding sources and debt financing to retain Metropolitan's financing flexibility. Flexibility allows Metropolitan to use a variety of revenue or debt-financing alternatives, including issuing low-cost variable rate and other revenue supported obligations.

Metropolitan's debt management policy is to:

- Maintain an annual senior/subordinate lien revenue bond debt coverage ratio of at least 2.0 times coverage;
- Maintain an annual fixed charge coverage ratio of at least 1.2 times coverage;
- Limit debt-funded capital to no more than 40 percent of the total capital program over the ten-year planning period; and
- Limit variable rate debt such that the net interest cost increase due to interest rate changes is no more than \$5 million, and limit the maximum amount of variable rate bonds to 40 percent of outstanding revenue bond debt (excluding variable rate bonds associated with interest rate swap agreements).

In order to comply with the debt management policy, Metropolitan has taken the following measures:

Revenue Bond Debt Coverage Ratio

This policy ensures that Metropolitan has sufficient annual operating revenues to pay its operating expenses and meet its debt service obligations on its revenue bonds and other senior debt. The revenue bond debt coverage ratio is defined as Metropolitan's net operating revenue (current year's operating revenue less the current year's operating expenses) divided by the current year's senior/subordinated lien debt service on all revenue bonds and other senior debt. The target is 2.0 times. In FY 2022/23 and FY 2023/24, the projected debt coverage ratio is 1.4 and 1.5 times, respectively.

Fixed Charge Coverage Ratio

In addition to revenue bond debt service coverage, Metropolitan also measures total coverage of all fixed obligations after payment of operating expenditures. This additional measure is used to account for Metropolitan's recurring capital costs for the State Water Contract, which are funded after debt service on revenue bonds and other parity obligations. Rating agencies expect that a financially sound utility will consistently demonstrate an ability to fund all recurring costs, whether they are operating expenditures, debt service payments or other contractual payments. Metropolitan's fixed charge coverage ratio target is 1.2 times. In FY 2022/23 and FY 2023/24, the projected fixed charge coverage ratio is 1.4 and 1.4, respectively. These levels help maintain favorable credit ratings and access to the capital markets at low cost.

BUDGET HIGHLIGHTS

The FY 2022/23 and FY 2023/24 Capital Financing budget is decreasing from the FY 2021/22 budget due to lower debt service expenditures overall. Debt service costs decrease by \$6 million over the biennium compared to the FY 2021/22 budget due to favorable refundings and lower interest rates. Lower overall Capital Financing costs provide increased financial flexibility and resiliency.

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GLOSSARY OF TERMS

20 x 2020 — 2009 Water Conservation Act goal of twenty percent reduction in per capita regional water use by 2020.

ACE — Association of Confidential Employees; an employee bargaining unit at Metropolitan.

Accrual — An accounting method that records revenues when earned and expenses when incurred regardless of the timing of when the cash is actually paid or received.

Acre-Foot — A unit of measure equivalent to 325,851.4 gallons of water and weighs approximately 62.4 pounds, which meets the needs of two average families in and around the home for one year.

ACWA — Association of California Water Agencies.

AFSCME — American Federation of State, County, and Municipal Employees, Local 1902.

Appropriation — Money set aside for a specific purpose. The designation of the use to which a fund of money is to be applied.

Bay Delta — An environmentally sensitive area of the Sacramento/San Joaquin River Delta through and from which water flows to reach portions of California from the San Francisco Bay Area to San Diego. Moving water across the delta during the high-demand summer months is becoming more difficult as additional water is set aside to mitigate for environmental impacts.

Budget — A report of all anticipated expenditures and required reserves and the source of moneys to be used to meet such expenditures and provide such reserves.

Budgeted Position — A staff position approved by the Board of Directors for the fiscal year.

Capital Investment Plan (CIP) — Metropolitan's CIP is designed to refurbish existing facilities needed to ensure a reliable distribution system, expand treatment facilities to meet current and future water quality regulations, and expand storage and conveyance facilities to meet current and future storage requirements.

Capital Project — A project that results in a new asset (e.g., a facility, betterment, replacement, equipment, etc.) that has a total cost of at least \$50,000 and a useful life of at least five years. Computer software can be capitalized if it costs \$250,000 or more and has a useful life of at least three years.

The California Environmental Quality Act (CEQA) — A statute that requires state and local agencies to identify the significant environmental impacts of their actions, and to avoid or mitigate those impacts, if feasible.

Colorado River Aqueduct (CRA) — The 242-mile-long water conveyance system built by Metropolitan to carry water from the Colorado River to its Southern California service area.

Conservation Program — A program where Metropolitan provides financial assistance for the development of conservation programs at the local level (e.g. energy efficient washing machines, low flush toilets, etc.).

CUWCC — California Urban Water Conservation Council, a non-profit 501c3 formed as a partnership of water suppliers, environmental groups, and others interested in conserving California's greatest natural resource, water.

Debt Service — The annual cost of repaying outstanding debt.

Delta Conveyance — The Department of Water Resources (DWR) is pursuing a new environmental review and planning process for a single tunnel project to modernize the State Water Project's Bay-Delta conveyance. The formal environmental review process is expected to begin with a Notice of Preparation under CEQA anticipated to be issued by DWR in the late 2019 timeframe. Planning, environmental review and conceptual design work by DWR for a proposed single tunnel project is expected to take approximately 18 to 36 months. A single tunnel project to be proposed under the new planning effort and environmental review process to be undertaken by DWR may be designed and configured differently than previously analyzed single tunnel alternatives. Information regarding the Delta conveyance project is located on Metropolitan's website at <https://www.mwdh2o.com/planning-for-tomorrow/securing-our-imported-supplies/delta-conveyance/>

Department of Water Resources (DWR) — A department within the California Resources Agency which is responsible for the state's management and regulation of water usage.

Distribution System — Refers to the network of pipelines and canals used for the conveyance of water from Metropolitan's terminal reservoirs to member agency service connections.

DVL — Diamond Valley Lake. A reservoir built by Metropolitan with a capacity of 800,000 AF.

EIR — Environmental Impact Report.

EMS — Energy Management System.

Endangered Species Act (ESA) — An act of the federal government enacted in 1973 that provides for the conservation of species that are endangered or threatened and the conservation of the ecosystems on which they depend. A species is considered endangered if it is in danger of extinction throughout all or a significant portion of its range. A species is considered threatened if it is likely to become an endangered species within the foreseeable future.

Enterprise Fund — To account for operations that are financed and operated where the intent is that the costs (expenses, including depreciation) of providing goods or services to the general public on a continuing basis be financed or recovered primarily through user charges.

Ethics Program — State law (SB 60) mandates that Metropolitan maintain a program to address and seek to avoid potential ethical abuses relating to business relationships, solicitation and/or receipt of campaign contributions, and public notice and approval procedures for contracts of \$50K or more. This program includes on-going training for board members and employees regarding ethics in the workplace.

FERC — Federal Energy Regulatory Commission.

Fund — A self-balancing set of accounts recording cash and other financial resources, together with all related liabilities and residual equities or balances, and changes therein, which are segregated for the purpose of carrying on specific activities or attaining certain objective in accordance with special regulations, restrictions, or limitations.

Fund Balance — Created from excess revenues over expenditures. This can be a combination of collections/revenues being higher than budget and actual expenditures being lower than budget.

IID/Metropolitan Conservation Agreement — Water conservation agreement with the Imperial Irrigation District (IID) that allows for the development of certain water conservation capital structures by Metropolitan in the Imperial Valley. Metropolitan, in turn, gets the quantity of water conserved during the term of this agreement, four years during construction, and 35 years after completion. It encompasses both the operating and maintenance, in direct, and capital cost of developing and implementing the program. This agreement is renewable.

IRWMP — Integrated Regional Water Management Plan.

Integrated Resources Plan (IRP) — An open and participatory planning process that takes a broad view of all water resource options available to the region and searches for the right combination of investments to achieve water supply objectives in a cost-conscious and environmentally responsible manner.

KPIs — Key Performance Indicators

Local Resources Program (LRP) — A program in which Metropolitan provides financial assistance to its member agencies for the development of local groundwater recycling and groundwater recovery projects.

MAPA — Management and Professional Employees Association, Local 1001.

Member Agency — Refers to any of the 26 cities or public water agencies that comprise the Metropolitan Water District and whose representatives constitute the Board of Directors of Metropolitan.

MAF (million acre-feet) — A unit measure of water.

Minute 319 — Agreement that amends the 1944 Treaty between Mexico and the United States by establishing new rules in sharing Colorado River water and provides immediate plans to address current challenges. Parties to the agreement include Metropolitan Water District of Southern California, Southern Nevada Water Authority, Central Arizona Water Conservation District. Minute 319 allows Mexico to store water in Lake Mead as Intentionally Created Mexican Apportionment for future delivery and environmental flows. Stored water will be exchanged among the parties to the agreement.

MOU (Memorandum of Understanding) — Legal agreements entered into between Metropolitan and any of the four employee bargaining units that dictate terms and conditions of employment.

Operating Equipment — Any portable equipment costing \$5,000 or more and having a useful life of five years or more.

Operations Maintenance Power & Recovery (OMP&R) — A component of the State Water Contract that is billed to the contracting agencies to maintain the system.

OPEB — Other Post Employment Benefits.

ORP — Oxidation Retrofit Program.

Ozone — It is an unstable form of oxygen composed of three-atom molecules that break down readily to normal oxygen and nascent oxygen. The latter is a powerful oxidizing agent and has germicidal action. Ozone is usually produced with on-site generators by passing high-voltage electricity through dry atmospheric air or pure oxygen between stationary electrodes. This process converts a small percentage of the oxygen in the air into ozone. It is usually injected into the water to be treated in a highly baffled mixing chamber.

PAYGO — The practice of funding construction expenditures from current operating revenues in lieu of using debt proceeds.

PVID — Palo Verde Irrigation District.

Palo Verde Land Management and Water Supply Program — Calls for the development of a flexible water supply of between 25,000 and 111,000 acre-feet per year for 35 years through a land management and crop rotation program to be implemented by participating farmers in the Palo Verde Valley. The maximum water supply that could be developed would be about 3.63 million acre-feet during the 35-year term while the minimum water supply required to be developed would be 1.76 million acre-feet.

Performance Measure — An indicator of progress toward completing an initiative, achieving a goal, or implementing a strategy. Performance measures are quantifiable and tracked over time. Measures can indicate

problem areas that need attention or be a guide for continual performance improvement through specific initiatives and actions.

PCCP — Pre-stressed Concrete Cylinder Pipe.

Power Recovery — Energy generated from the operation of sixteen Metropolitan-owned hydroelectric generating facilities. The term "recovery" derives from the capture of potentially wasted electrical energy from Metropolitan's water distribution system.

Quagga Mussel — A destructive non-native species of mussel from the Ukraine region that could clog pipes and water line.

Quantification Settlement Agreement (QSA) - The Quantification Settlement Agreement (QSA) and related agreements, executed by Coachella Valley Water District (CVWD), Imperial Irrigation District (IID), Metropolitan, and other parties in October 2003, establishes Colorado River water use limits for IID and CVWD, and provides for specific acquisitions of conserved water and water supply and delivery arrangements for up to 110 years. The QSA and related agreements provide a framework for Metropolitan to enter into other cooperative Colorado River supply programs and set aside several disputes among California's Colorado River water agencies.

Regional Recycled Water Program (RRWP) — The first phase was the construction of an advanced water treatment demonstration facility that takes treated wastewater and purifies it through various advanced treatment technologies to produce a safe, high-quality water source; the project was a partnership between Metropolitan and the Sanitation Districts of Los Angeles County and was completed in August 2019. The RRWP will have the flexibility to be expanded in the future to implement Direct Potable Reuse ("DPR") through raw water augmentation at the two Metropolitan treatment plants. The State Water Resources Control Board Division of Drinking Water is in the process of developing a framework for the regulation of DPR in California, and the current anticipated date for promulgation is 2023. Information regarding the RRWP is located on Metropolitan's website at <https://www.mwdh2o.com/planning-for-tomorrow/building-local-supplies/regional-recycled-water-program/>

Replacement and Refurbishment (R&R) — Capital projects that invest in Metropolitan's aging infrastructure by restoring them to optimal operating status.

Reserves — Funds set aside to comply with bond covenants, working capital policy, or other board policies as part of a prudent financial strategy.

Revenue Remainder Fund — See Financial Policies for description.

SCADA — Supervisory Control and Data Acquisition; automated systems that are used to monitor, operate, and control Metropolitan's water conveyance, treatment, and distribution systems.

Senate Bill 60 (SB 60) — This bill requires Metropolitan to place increased emphasis on sustainable, environmentally sound, and cost-effective water conservation, recycling, and groundwater storage and replenishment measures and, commencing February 1, 2001, to prepare and submit to the Legislature a prescribed annual report relating to water conservation.

State Water Contract (SWC) — State Water Contracts are the basis for all SWP construction and ongoing operations, as well as the basis for the contractors' participation in the SWP. As the largest of the now 29 contractors, Metropolitan is entitled to slightly less than half of all SWP supplies. Water supplies from the SWP are conveyed to Metropolitan via the SWP's 444-mile California Aqueduct, which was made possible pursuant to Metropolitan's State Water Contract.

State Water Project (SWP) — The SWP is the largest state-built, user-financed water supply and transportation project in the country. The SWP serves urban and agricultural agencies from the San Francisco Bay area to Southern California. Its facilities were constructed with several general types of financing, the repayment of which is made by the 29 agencies and districts that participate in the SWP through long-term contracts (the State

Water Contractors). The State Water Contractors also pay for the operations, maintenance, power, and replacement costs of the SWP.

System Overview Study — An analysis of Metropolitan’s current delivery and treatment capacities versus projected needs during the planning horizon. The System Overview Study, coupled with the Integrated Area Study, analyzes various portfolios of projects that could be used to meet future demand and then develops a potential CIP. Finally, the System Overview Study analyzes the potential impact to rates from the proposed facilities.

TAF (thousand acre–feet) — A unit of measure of water.

Total Dissolved Solids (TDS) — Refers to the total organic carbon concentration in water. Measurement of TDS removal is used as a surrogate for disinfection by-product precursor removal.

Treatment Plants — Facilities used by Metropolitan for the treatment of water to remove contaminants or total dissolved solids thus ensuring that such water is potable before it is distributed to member agencies.

U.S. Department of the Interior, Bureau of Reclamation (USBR) — Largest wholesaler of water and second largest supplier of hydroelectric power in the American West. Promotes water conservation, recycling, and reuse.

Vacancy Factor — A calculated reduction to the O&M labor budget that attempts to account for vacancies that occur within organizations throughout the year. Budgeted labor dollars assume that budgeted positions will be filled for the entire fiscal year (2,080 hours). However, positions routinely become vacant throughout Metropolitan for part of the year as staff transfer to other positions or leave employment in the company and time elapses during the recruitment period to refill the vacated positions.

WRSF — Water Rate Stabilization Fund. See Financial Policies for description.

WRM — Water Resource Management (group); an organization within Metropolitan that focuses on water resource planning and management, including conservation.

WSF — Water Stewardship Fund. See Financial Policies for description.

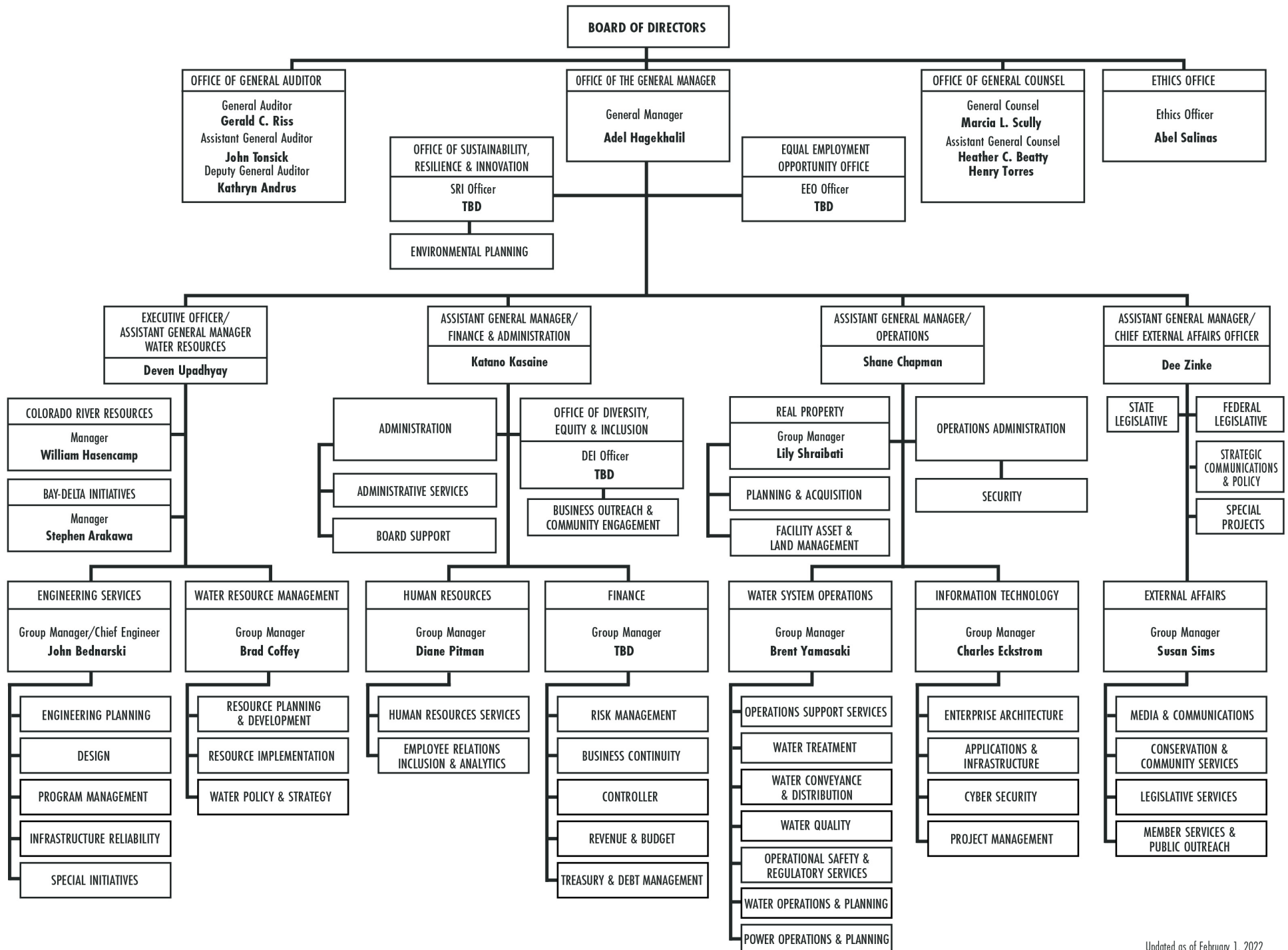
Water Supply Allocation Plan (WSAP) — This plan is intended to be implemented during periods of regional water shortages to promote conservation of scarce water supplies. The WSAP was created to approach limiting supplies in a manner that is regionally fair and minimizes impacts by establishing accurate and fair baselines for each of Metropolitan’s 26 member agencies.

Water Supply Programs — Water transfer and storage programs that supplement Colorado River and State Water Project supplies.

Water Surplus Drought Management Plan (WSDM Plan) — This plan directs Metropolitan’s resource operations to help attain the region’s reliability goal. The WSDM Plan recognizes the interdependence of surplus and shortage actions and is a coordinated plan that utilizes all available resources to maximize supply reliability. The overall objective is to ensure that shortage allocation of Metropolitan’s imported water supplies is minimized.

Working Capital — A measure of both a company’s efficiency and its short-term financial health. The working capital ratio is calculated as: $\text{Working Capital} = \text{Current Assets} - \text{Current Liabilities}$.

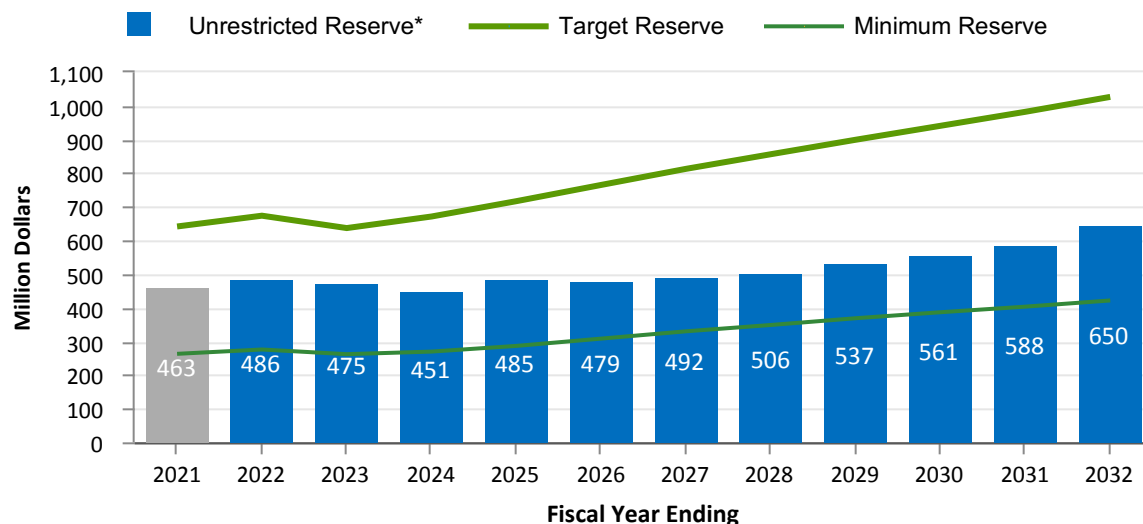
WSO — Water System Operations (group); an organization within Metropolitan responsible for operating and maintaining Metropolitan’s water conveyance, treatment, and distribution system and its appurtenant systems.



TEN-YEAR FINANCIAL FORECAST

The ability to ensure a reliable supply of high quality water for Metropolitan's 26 member agencies depends on Metropolitan's ongoing ability to fund operations and maintenance, maintain and augment local and imported water supplies, fund replacements and refurbishment of existing infrastructure, and invest in system improvements. This ten-year forecast (Ten-Year Financial Forecast) builds on the biennial budget to support long range resource, capital investment and operational planning. As such, it includes a forecast of future costs and the revenues necessary to support operations and investments in infrastructure and resources that are derived from Metropolitan's planning processes while conforming to Metropolitan's financial policies. These financial policies, which address reserve levels, financial indicators, and capital funding strategies, ensure sound financial management and fiscal stability for Metropolitan. The Ten-Year Financial Forecast is updated with every budget to reflect the most up-to-date planning assumptions and projections.

Projected Financial Indicators



Fiscal Year Ending												
Ave Rate Increase	3.0%	4.0%	8.0%	8.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
Water Transactions** (MAF)	1.57	1.60	1.59	1.54	1.54	1.51	1.53	1.53	1.54	1.55	1.55	1.57
Rev. Bond Cvg	2.0	1.6	1.4	1.5	1.8	1.6	1.8	1.8	1.8	1.9	1.9	1.8
Fixed Chg Cvg	2.2	1.4	1.4	1.4	1.9	1.7	1.7	1.6	1.6	1.6	1.6	1.5
PAYGO, \$M	110	135	135	135	175	175	175	175	200	200	200	200

* includes Revenue Remainder and Water Rate Stabilization Fund

** includes water sales and exchanges presented on a Cash Year basis

The figure above summarizes the financial metrics of the Ten-Year Financial Forecast. Metropolitan projects that the fixed charge coverage ratio will meet the board-established target of 1.2 times throughout the ten-year period. Revenue bond coverage will not meet the target of 2.0 times during this forecast period. Reserve levels will be above minimums as established by board policy; PAYGO expenditures will range to fund between 17 percent and 47 percent of the Capital Investment Plan (CIP) expenditures; and projected overall rate increases are expected to range between 5 to 8 percent.

The estimated overall rate increases for the Ten-Year Forecast is a result of higher projected costs, catch-up for the loss of the Water Stewardship Rate (WSR) revenues, lower projected water transactions over the forecast period and inclusion of the the full RRWP starting in FY 2024/25. Annual expenditures are expected to increase from \$2.0 billion in FY 2022/23 to \$2.9 billion by FY 2031/32, or an annual average increase of about 4 percent. During this same period, capital investments are expected to be about \$6.9 billion. To finance these capital investments, the ten-year forecast anticipates funding \$1.8 billion of the CIP from water revenues or PAYGO. The balance of the CIP, or \$5.2 billion, will be financed by issuing revenue bond debt, assumed to be fixed rate bonds.

Planning is necessary for Metropolitan to successfully fund the many investments necessary to meet the challenges facing the region over the next ten years with manageable rate increases. Among the more significant challenges are:

- Investing in the elements of the 2020 IRP Update to ensure reliable water supplies for Metropolitan's service area and preparing for uncertainty.
- Continuing to provide supply reliability through a diversified portfolio of actions to stabilize and maintain imported supplies.
- Meeting future growth through increased water conservation and the development of new local supplies, while protecting existing supplies, to achieve higher retail water use efficiency, in compliance with state policy.
- Building storage in wet and normal years to manage risks and drought.
- Funding an estimated \$6.9 billion capital program that provides projects meeting water quality, reliability, stewardship, information technology directives, and includes the RRWP.
- Funding for Metropolitan's planned contribution for Delta Conveyance Project (DCP) planning costs of \$110.6 million are included in the years FY 2023 through FY 2025. The focus over the next two years will be supporting the California Department of Water Resources as it seeks permits for a DCP; participating in the Delta Conveyance Design and Construction Authority; and continuing to put forward sound scientific research to help inform and improve Delta management decisions. If staff determines that Metropolitan's appropriate contribution toward planning activities should exceed the amount included in the Biennial Budget for FY 2023 and 2024, the General Manager will request authorization from the Board for additional funding. Metropolitan's planning contribution for FY 2025 will be considered with the next biennial budget to be considered in FY 2024. Long-term costs for a DCP have not been included in the forecast. At a later date staff will recommend that the Board separately consider Metropolitan's participation in a new DCP after project planning has progressed further.
- Funding for the proposed Regional Recycled Water Program of \$20 million for preparation of a programmatic environmental impact report is included in the Operating and Maintenance budget for FY2023 and FY2024. This is the next step before the Board will be fully informed and ready to make a decision on if, how, and when to proceed with further investments in this project. Long-term costs of the RRWP are included in the forecast.

ASSUMPTIONS FOR THE TEN-YEAR FORECAST

The following table summarizes key assumptions that underlie the Ten-Year Forecast.

Fiscal Year Ending	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Water Transactions, MAF *	1.59	1.54	1.54	1.51	1.53	1.53	1.54	1.55	1.55	1.57
CRA Diversions, TAF	1,007	923	774	772	765	758	778	833	876	882
SWP allocation, %	25% / 40%	40% / 50%	50%	50%	50%	50%	50%	50%	50%	50%
CIP, \$M	300	300	372	381	475	838	1,045	1,191	1,202	842
PAYGO, \$M	135	135	175	175	175	175	200	200	200	200
Conservation, \$M	43	43	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
Interest on investments, %	0.35%	0.50%	0.75%	1.00%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%
Interest rate, fixed bonds, %	2.75%	2.75%	3.00%	3.00%	3.25%	3.25%	3.50%	3.50%	3.50%	3.50%
Interest rate, variable bonds, %	0.50%	0.75%	1.00%	1.00%	1.00%	1.00%	1.25%	1.25%	1.25%	1.25%

* includes water sales and exchanges presented on a Cash Year basis

Metropolitan's principal sources of water supplies are the SWP and the Colorado River. Metropolitan receives water delivered from the SWP under SWC provisions, including Table A allocation, use of carryover storage in San Luis Reservoir, and surplus supplies. Metropolitan holds rights to a basic apportionment of Colorado River water and has priority rights to an additional amount depending on availability of surplus supplies. The Supply Programs and other contractual arrangements supplement these SWP and Colorado River supplies. The SWP and Colorado River sources derive from two different hydrologic regions, which have helped buffer shortages. The Ten-Year Forecast assumes an average hydrology on the Colorado River and hydrology on the SWP starting under drought conditions and returning to average conditions by calendar year 2024. Together with Metropolitan's Supply Programs, dry periods in either region can be managed.

The CIP has been reviewed to maintain affordability throughout the ten-year period. CIP projects have been carefully reviewed, scored and ranked to continue the ability to deliver water reliably and safely while meeting all regulatory requirements.

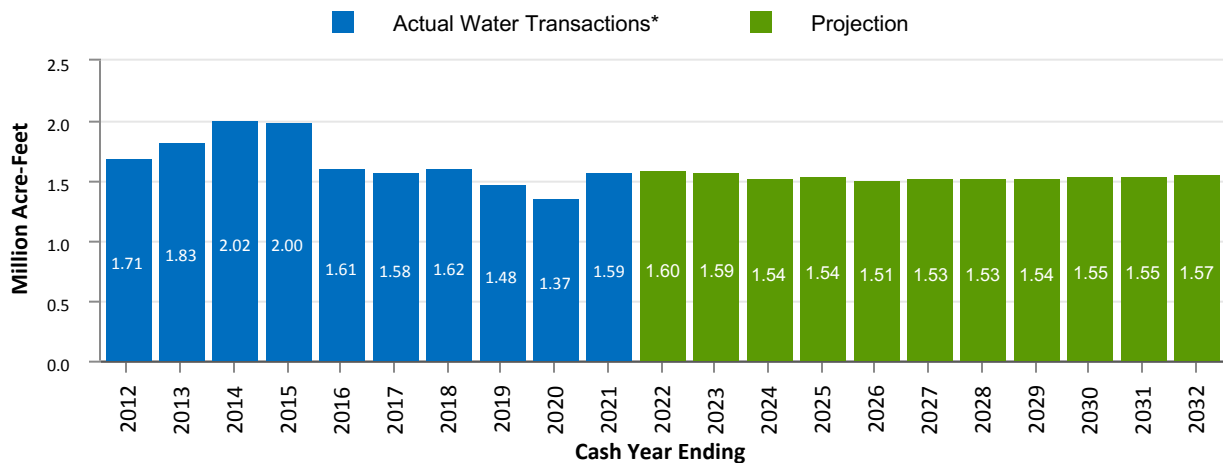
The inflation factor is based on forecasts by economists and is applied to Metropolitan's O&M expenses, such as chemicals, but excluding labor and additives, which are based on the Memoranda of Understanding for the represented employees. The interest rate applicable to Metropolitan's investment portfolio is based on an analysis of the current forward curve for investments over a ten-year period. This interest rate forecast informs the interest rate applicable to variable rate bonds. The interest rate for new fixed rate bonds is also based on forecasts.

FORECAST OF WATER TRANSACTIONS

Revenues from water transactions (sales, exchanges, and wheeling) provide approximately 80 percent of the revenues necessary to support Metropolitan's capital and operating costs. It is expected that demand for Metropolitan supplies will decrease over the ten-year period, from 1.59 million acre-feet in Cash Year 2022/23 to 1.57 million acre-feet by Cash Year 2031/32. This forecast includes water delivered to the San Diego County Water Authority (SDCWA) pursuant to the 2003 Amended and Restated Exchange Agreement (exchange water).

The figure below shows historic and forecasted water transactions, including the exchange water and wheeling.

Water Transactions, MAF



* includes water sales, and exchanges

SOURCES OF FUNDS

Revenues

Through FY 2031/32, revenues from rates and charges, which include the Readiness-to-Serve (RTS) Charge, Capacity Charge, and water transaction revenues, collected from the member agencies will account for approximately 89 percent of total revenues. Total revenues are projected to increase from about \$1.9 billion in FY 2022/23 to \$3.0 billion in FY 2031/32. This increase is almost entirely attributed to increases in water rates and charges.

Water Rates and Charges

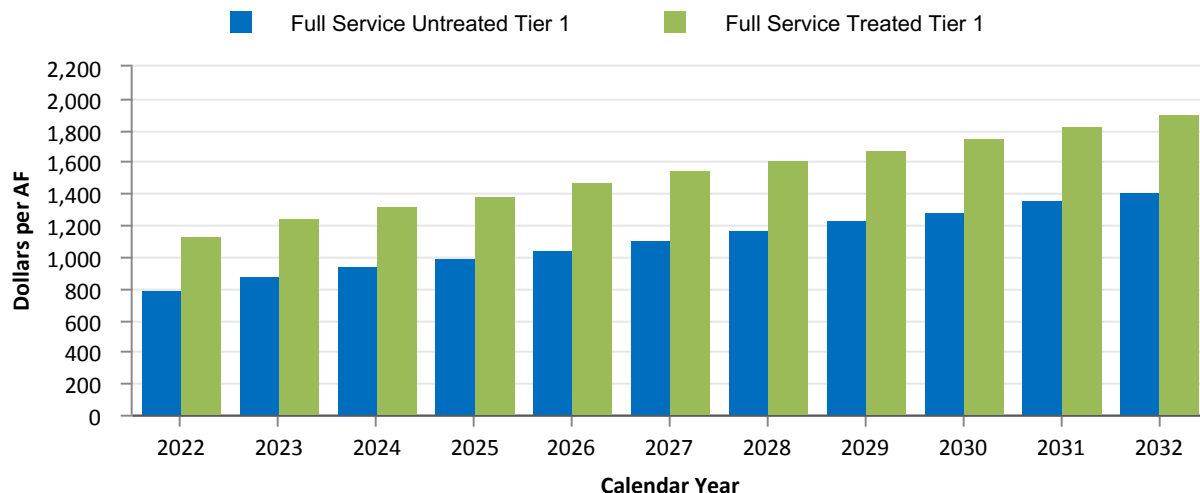
The table below shows the estimated unbundled water rates and charges under the current rate structure. The rate structure components may experience different increases, on a percentage basis, depending on the costs recovered. The full-service treated Tier 1 water rate is estimated to be \$1,915 per acre-foot by January 1, 2032, compared to \$1,143 per acre-foot on January 1, 2022, reflecting an average increase of 5.3 percent per year over the ten-year period.

Rates & Charges Effective January 1st	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Tier 1 Supply Rate (\$/AF)	\$243	\$328	\$348	\$371	\$403	\$427	\$455	\$473	\$491	\$510	\$520
Tier 2 Supply Rate (\$/AF)	\$285	\$532	\$538	\$573	\$603	\$627	\$652	\$671	\$688	\$705	\$723
System Access Rate (\$/AF)*	\$389	\$373	\$416	\$429	\$442	\$470	\$502	\$533	\$564	\$598	\$635
System Power Rate (\$/AF)*	\$167	\$187	\$188	\$201	\$210	\$219	\$223	\$227	\$240	\$253	\$257
Full Service Untreated Volumetric Cost (\$/AF)											
Tier 1	\$799	\$888	\$952	\$1,001	\$1,055	\$1,116	\$1,180	\$1,233	\$1,295	\$1,361	\$1,412
Tier 2	\$841	\$1,092	\$1,142	\$1,203	\$1,255	\$1,316	\$1,377	\$1,431	\$1,492	\$1,556	\$1,615
Treatment Surcharge (\$/AF)	\$344	\$364	\$370	\$394	\$421	\$436	\$443	\$453	\$463	\$473	\$503
Full Service Treated Volumetric Cost (\$/AF)											
Tier 1	\$1,143	\$1,252	\$1,322	\$1,395	\$1,476	\$1,552	\$1,623	\$1,686	\$1,758	\$1,834	\$1,915
Tier 2	\$1,185	\$1,456	\$1,512	\$1,597	\$1,676	\$1,752	\$1,820	\$1,884	\$1,955	\$2,029	\$2,118
Readiness-to-Serve Charge (\$M)	\$140	\$145	\$183	\$183	\$183	\$183	\$188	\$207	\$225	\$241	\$271
Capacity Charge (\$/cfs)	\$12,200	\$10,700	\$11,700	\$13,600	\$14,700	\$16,000	\$18,200	\$21,600	\$22,900	\$24,500	\$25,600

* This rate element is currently included in the price term of the MWD-SDCWA Exchange Agreement

In 2023, the Water Stewardship Rate is no longer collected as per Board direction in December 2021. All demand management costs are functionalized as supply and collected on the Tier 1 and Tier 2 supply rates. The following figure shows the volumetric cost per acre-foot for Tier 1 Full Service untreated water and Tier 1 Full Service treated water.

Volumetric Cost, \$ AF



Property tax revenue is expected to increase from \$163.1 million in FY 2022/23 to 224.4 million in FY 2031/32. This projection assumes the Board maintains the ad valorem tax rate at 0.0035 percent of assessed valuations, by determining the inapplicability of MWD Act Section 124.5, and assessed value increases by 4.0 percent per year. Property tax revenue is used to pay Metropolitan's general obligation bonds and a portion of the SWC costs. By FY 2025/26 almost all of the revenues will be used to pay SWC costs as voter-approved general obligation bonds mature.

Power sales from Metropolitan's hydroelectric power recovery plants and the CRA are projected to average about \$15 million per year over this ten-year period. Metropolitan has 16 small hydroelectric plants on its distribution system. These revenues are dependent on the amount of water that flows through Metropolitan's

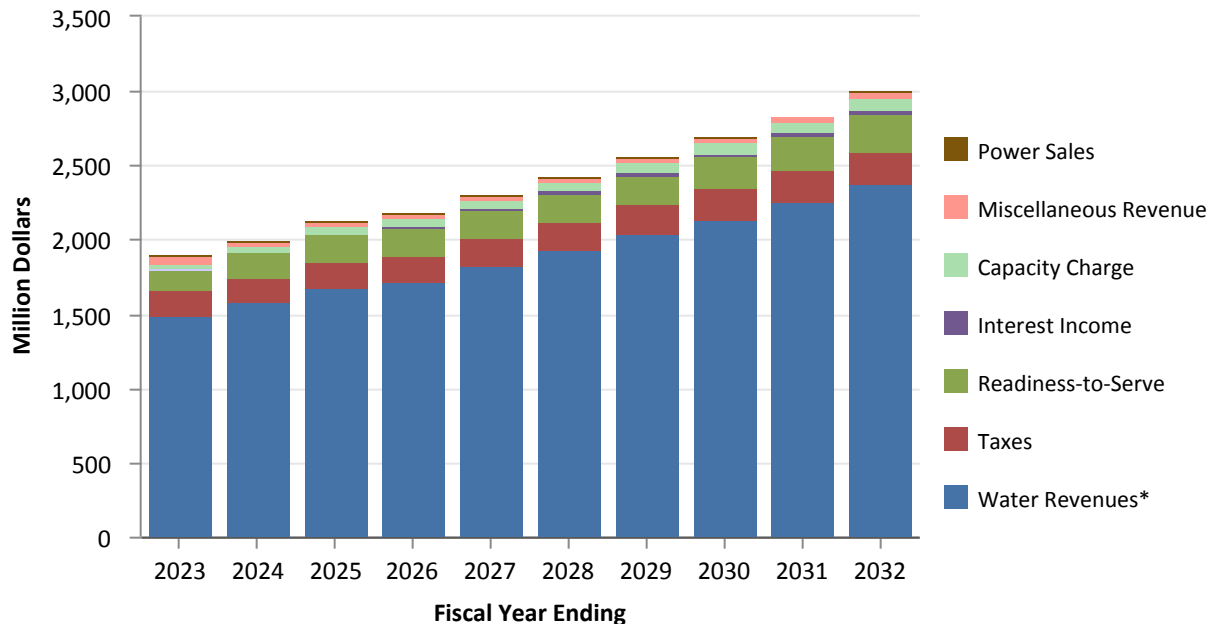
distribution system and the price paid. Power from some of the plants is sold under existing contracts that are priced higher compared to the prices currently being offered for renewable power. CRA revenues derive from the management of loads and resources on the CRA; energy not needed to meet hourly CRA loads is sold into the California Independent System Operator.

Interest income is projected to increase from \$6.4 million in FY 2022/23 to \$25.1 million in FY 2031/32 as a result of increased balances with returns of 0.35 percent in FY 2022/23 growing to 1.25 percent annually in FY 2026/27 through FY 2031/32. Metropolitan earns interest on invested fund balances and uses this income to reduce the costs that must be recovered through rates and charges. These invested funds also act as a partial hedge against changes in interest rates on Metropolitan's variable rate debt obligations. Interest income will vary over the ten-year forecast period as interest rates and cash balances available for investments will fluctuate.

Miscellaneous revenue is forecasted to average \$31.6 million over the ten-year forecast period. Miscellaneous revenue includes items such as leases, late fees, and water transactions with non-member agencies including Coachella Valley Water District and United States Bureau of Reclamation.

Forecasted revenues by major category are shown in the figure below.

Revenue Forecast, \$ millions



* includes revenues from water sales, and exchanges

Other Funding Sources

Other sources of funds include withdrawals from bond construction funds, Refurbishment and Replacement (R&R) Fund, General Fund, Water Stewardship Fund (WSF), Treatment Surcharge Stabilization Fund (TSSF), Water Rate Stabilization Fund (WRSF), and the Revenue Remainder Fund.

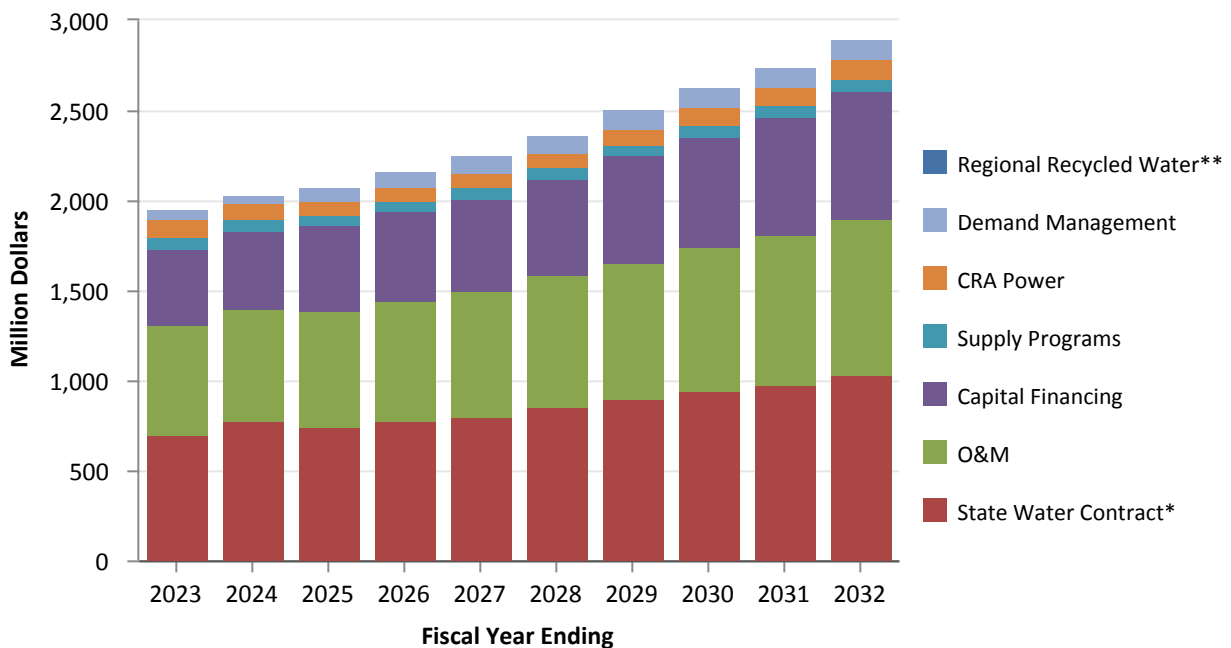
USES OF FUNDS

Over the next ten years, total annual expenditures are projected to range from \$1.95 billion in FY 2022/23 to \$2.90 billion in FY 2031/32.

Expenditures

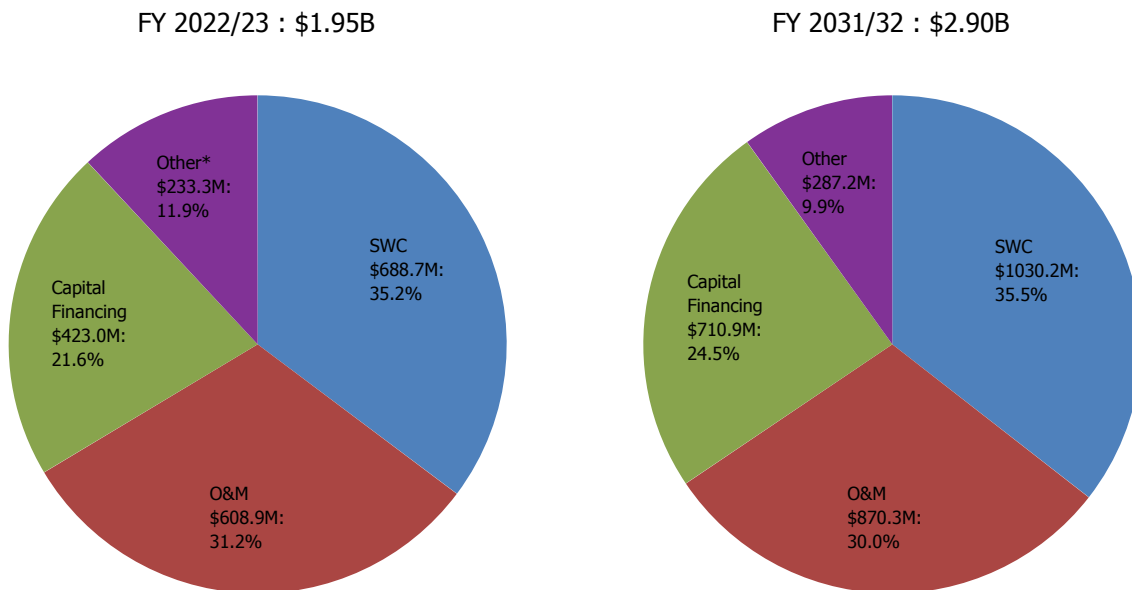
Expenditures are grouped into eight major categories: SWC, O&M, Regional Recycled Water, Delta Conveyance, demand management programs, CRA power costs, supply programs, and capital financing. The first figure below illustrates the general trends in expenditures over the ten-year period from FY 2022/23 to FY 2031/32. The second figure following shows the comparison of FY 2022/23 to FY 2031/32 in terms of the contribution of expenditures to the total.

Expenditure Forecast, \$ millions



* includes Delta conveyance planning costs

Expenditure Forecast, Contribution by Major Area



* includes Delta conveyance planning costs

Regional Recycled Water Program Planning Costs

The ten year forecast includes planning costs for the Regional Recycled Water Program at \$12.9 million in FY 2022/23 and \$7.4 million in FY 2023/24 for preparation of a programmatic environmental impact report. This is the next step before the Board will be fully informed and ready to make a decision on if, how, and when to proceed with further investments in this project.

State Water Project

Metropolitan is one of 29 agencies that contract with the State of California for participation in the SWP's water supply function¹. Metropolitan is obligated to pay its share of the capital and minimum operations, maintenance, power, and replacement charges of the SWP regardless of the amount of water actually received. In addition, Metropolitan pays the power costs to convey the water. The Ten-Year forecast assumes that SWC annual costs, including power, will increase from \$688.7 million in FY 2022/23 to \$1,030.2 million in FY 2031/32, as shown in the figure below. SWC costs account for 35 percent of Metropolitan's expenses in FY 2022/23, growing to 36 percent in FY 2031/32. The remainder of the fixed costs is based upon information provided by the DWR, and is associated with Transportation Capital and Minimum Operations & Maintenance, and the Delta Water Supply Capital and Minimum Operations & Maintenance. Variable SWP power costs are projected to gradually increase over the ten-year period.

Power costs will vary depending on the price of electricity, total system deliveries, storage operations, and the amount of water pumped on the SWP. SWP variable power costs are projected to increase about 3 percent per year over the ten-year forecast period. The SWP energy costs are impacted by two factors. First, the annual hydrology, secondly the energy policies of the state of California. The SWP has invested heavily in hydroelectric power generation facilities. The unit cost of operating the power facilities declines as the amount of available water increases. The SWP is acquiring renewable resources, primarily solar to date, to meet its obligation to reduce greenhouse gas emissions. The SWP energy costs are also impacted by the increasing cost of using the California Independent System Operator's (CAISO) grid to deliver power from its generating sources and the wholesale power market to its pumping loads. The SWP does not own high voltage transmission facilities and must use the CAISO grid to move power. Finally, the SWP has an

obligation to acquire and surrender emissions allowances for the generating facilities the SWP owns, primarily the Lodi Energy Center. Net flows through the SWP that incur power are expected to average about 861 TAF per year.

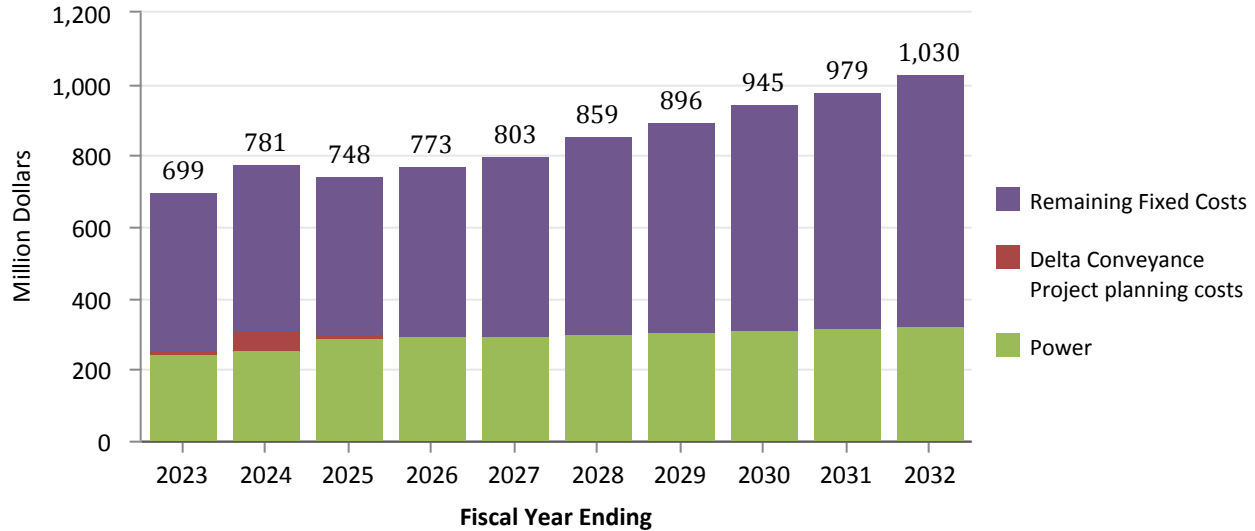
¹ The term “supply” is used to distinguish between other functions of the SWP such as recreation and flood control. The term is not used to distinguish between the conservation (supply) and transportation (conveyance) functions of the SWP under the State Water Contracts for participation in the SWP.

On April 29, 2019, Governor Newsom issued an executive order directing State agencies to develop a single-tunnel Bay-Delta conveyance facility instead of the approved WaterFix project. In light of this, the WaterFix project is no longer included in the ten year projection. Funding for Metropolitan’s contribution for Delta conveyance project planning activities of \$110.6 million is included in the years FY 2022/23 through FY 2024/25. The focus over the next two years will be supporting the DWR as it seeks permits for a Delta Conveyance Project; participating in the Delta Conveyance Design and Construction Authority; and continuing to put forward sound scientific research to help inform and improve Delta management decisions. If staff determines that Metropolitan’s appropriate contribution toward planning activities should exceed the amount included in the Biennial Budget for FY 2022/23 and 2023/24, the General Manager will request authorization from the Board for additional funding. Long-term costs for a Delta conveyance project has not been included in the forecast. At a later date staff will recommend that the Board separately consider Metropolitan’s participation in a new Delta conveyance project after project planning has progressed further.

Please refer to the section on the SWP for additional details on SWP expenditures.

The total SWC costs are shown in the figure below. The SWP is described under the Non-Departmental Budgets section of the Biennial Budget.

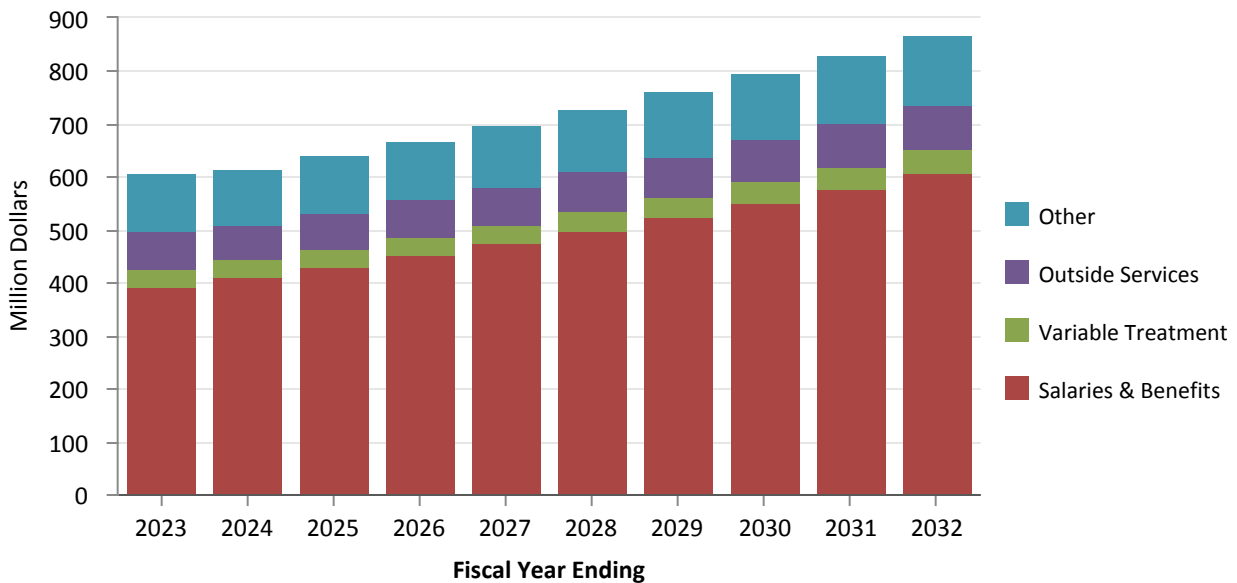
SWP Forecast, \$ millions



Operations and Maintenance

O&M costs are projected to increase from \$609 million in FY 2022/23 to \$870 million in FY 2031/32. This represents an average annual increase of 4.0 percent from FY 2022/23. During this time frame, inflation is assumed to be 3.0 percent. The ten-year forecast assumes Metropolitan continues to fully fund the annual required contribution to meet future retiree medical costs (Other Post-Employment Benefits, or OPEB) and retirement benefits.

O&M Forecast, \$ millions



Demand Management

Demand management costs include funding for the Local Resource Programs (LRP), the Conservation Program, Future Supply Actions Program and the Stormwater Pilot Program. These expenditures are projected to increase from \$50.8 million in FY 2022/23 to \$106.2 million in FY 2031/32. The LRP costs are projected to increase from \$22.2 million in FY 2022/23 to \$73.9 million in FY 2031/32. The projections anticipate that new projects will receive funding to meet IRP goals. The Conservation costs are projected to be \$43 million per year in the budget years and \$30.5 million per year for the remainder of the ten-year period. This program provides continued funding of residential, commercial, and outdoor conservation programs, and conservation messaging. In addition, Future Supply Actions and Stormwater Pilot costs average about \$2.2 million per year throughout the ten-year period.

Demand Management programs are described under the Non-Departmental Budgets section of the Biennial Budget.

CRA Power Costs

CRA Power costs are projected to increase from \$105.9 million in FY 2022/23 to \$111.9 million in FY 2031/32. Power costs will vary depending on the price of electricity, Metropolitan's resource portfolio to meet electricity needs, storage operations, and the amount of water pumped on the CRA.

Colorado River diversions are expected to average about 837 TAF over the ten-year period, slightly more than deliveries as water is stored.

Power costs are described under the Non-Departmental Budgets section of the Biennial Budget.

Supply Programs

Supply programs increase slightly over the ten-year period from \$66.7 million in FY 2022/23 to \$69.1 million in FY 2031/32. The estimates represent expenditures for average year conditions. If extreme weather conditions are experienced, these cost estimates could be much higher or lower. If higher than normal demand is coupled with lower than normal supply, supply program costs could be significantly higher.

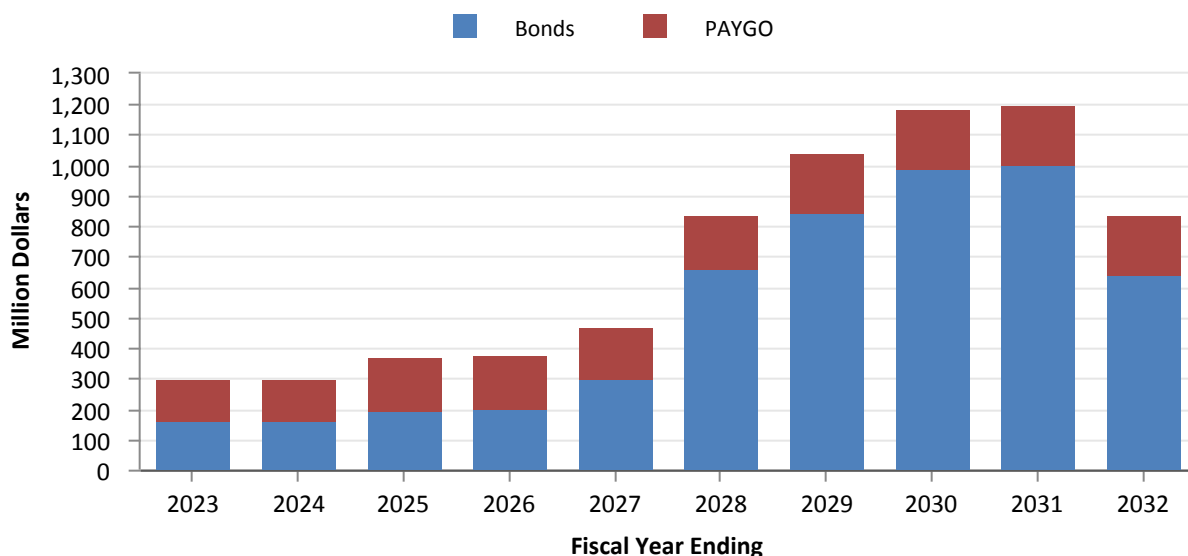
A description of Metropolitan's Supply Programs is provided under the Non-Departmental section of the Biennial Budget.

Capital Investment Plan

The ten-year projected CIP through FY 2031/32 is estimated at \$6.9 billion and includes the RRWP. The CIP continues to reflect the deferral of facility expansion projects. The CIP focuses on projects that enhance reliability while focusing on necessary refurbishment and replacement of aging infrastructure and compliance with regulatory requirements. Accordingly, the O&M impact from the resulting CIP is negligible. Without this emphasis on repair and replacement of aging facilities, O&M expenses could potentially be much higher.

The following figure shows the funding source for the ten-year CIP.

CIP Ten-Year Forecast and Funding Sources, \$ millions



Capital Financing Options

The CIP will be funded from a combination of bond proceeds and operating revenues. In order to mitigate increases in water rates, provide financial flexibility, and support Metropolitan's high credit ratings including maintaining revenue bond debt service and fixed charge coverage ratios, it is anticipated that 17 to 45 percent of the CIP will be funded from current revenues, or PAYGO. This level of PAYGO funding is appropriate given that a significant portion of future CIP projects has been identified as R&R projects. This level of PAYGO also helps ensure that Metropolitan meets its coverage targets by generating a margin of revenues over operating and debt expenditures. The additional revenue required to meet Metropolitan's revenue bond debt service coverage target of 2.0 times and fixed charge coverage of 1.2 times is available to fund the CIP. PAYGO funding throughout the ten-year horizon of the planning period ensures that current customers are always contributing funds towards the capital investments from which they benefit, and not deferring these costs entirely to future generations of ratepayers.

Bond funded expenditures may include a combination of variable and fixed rate debt. Debt has been structured to mitigate near-term rate impacts and smooth out long-term debt service. The principal advantage of variable rate debt is the opportunity for a lower interest cost. Normally, short-term interest rates are lower than long-term interest rates for debt of comparable credit quality. If interest rates remain constant, Metropolitan will generally have significantly lower interest costs on variable rate debt than on fixed rate debt, even after remarketing and liquidity facility costs. Also, if interest rates decline, Metropolitan will benefit from lower interest costs without the necessity or cost of a refunding. If interest rates rise, variable rates could stay lower than the fixed rate originally avoided, and the longer the variable rate debt is outstanding at favorable spreads, the higher the break-even point becomes on fixed rate debt. Variable rate debt is used to mitigate interest costs over the long term, and provides a natural hedge against changes in investment earnings: when interest rates are high, interest costs on variable rate debt is higher but so are earnings from Metropolitan's investment portfolio. When interest rates are low, interest earnings are lower, but so are variable rate interest costs.

Typically, fixed rate bonds are only redeemable a given number of years after their issuance. Variable rate debt, on the other hand, is generally redeemable on any interest payment or reset date.

However, variable rate debt does have risks. These risks include:

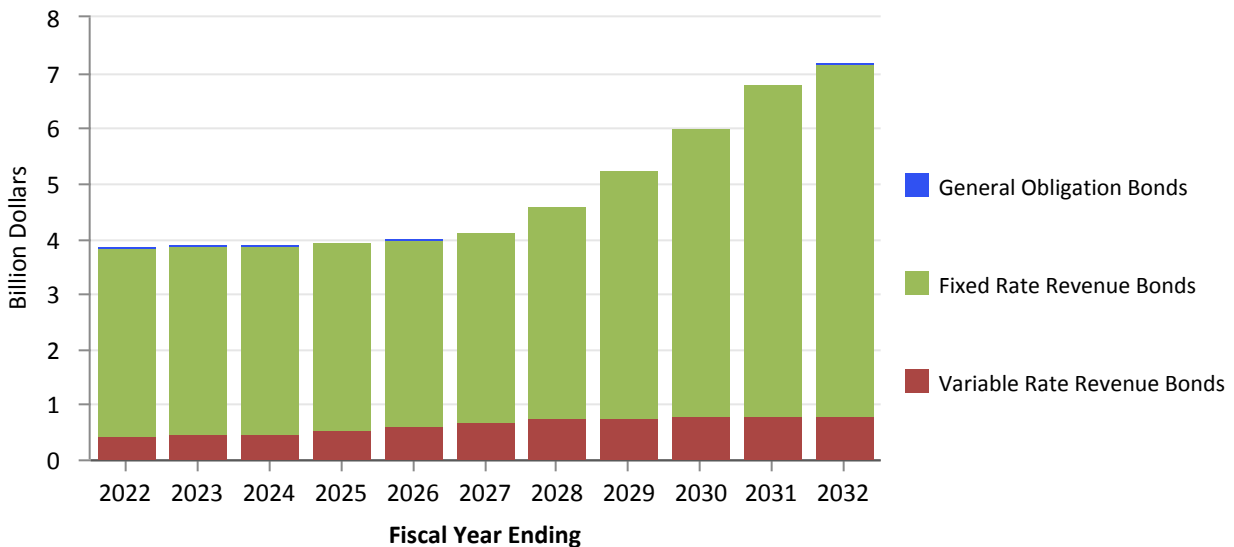
- Rising interest rates. Because future interest rates are unknown, the costs of capital improvements financed with variable rate debt are more difficult to estimate for revenue planning purposes. Significant interest rate increases could cause financial stress.
- Liquidity facility renewal risk. Variable rate debt normally requires a liquidity facility to protect the investors and issuers against "puts" of a large portion or all of the debt on a single day. Liquidity facilities generally do not cover the full term of the debt. If an issuer's credit declines or the liquidity facility capacity is not available, the issuer runs the risk of not being able to obtain an extension or renewal of the expiring liquidity facility. In that event, the issuer may have to retire the debt or convert it to fixed rate debt.

Debt Financing

It is anticipated that there will be about \$6.9 billion of capital expenditures over the ten-year period. Of this, \$5,175.8 million, or 75 percent of future capital expenditures, are anticipated to be funded by debt proceeds. Outstanding debt, including revenue and general obligation bonds ("GO bonds"), as of December 31, 2021 is \$3.9 billion. The net position of Metropolitan at June 30, 2021 was \$7.2 billion. Metropolitan is limited to not have outstanding revenue bond debt in amounts greater than 100 percent of its net position (equity). As of June 30, 2021, Metropolitan's debt to equity ratio was 56 percent.

Total outstanding debt is illustrated below. Total outstanding debt is estimated to be \$7.2 billion by FY 2031/32, approximately 85 percent higher than the current level.

Outstanding Debt, \$ billions

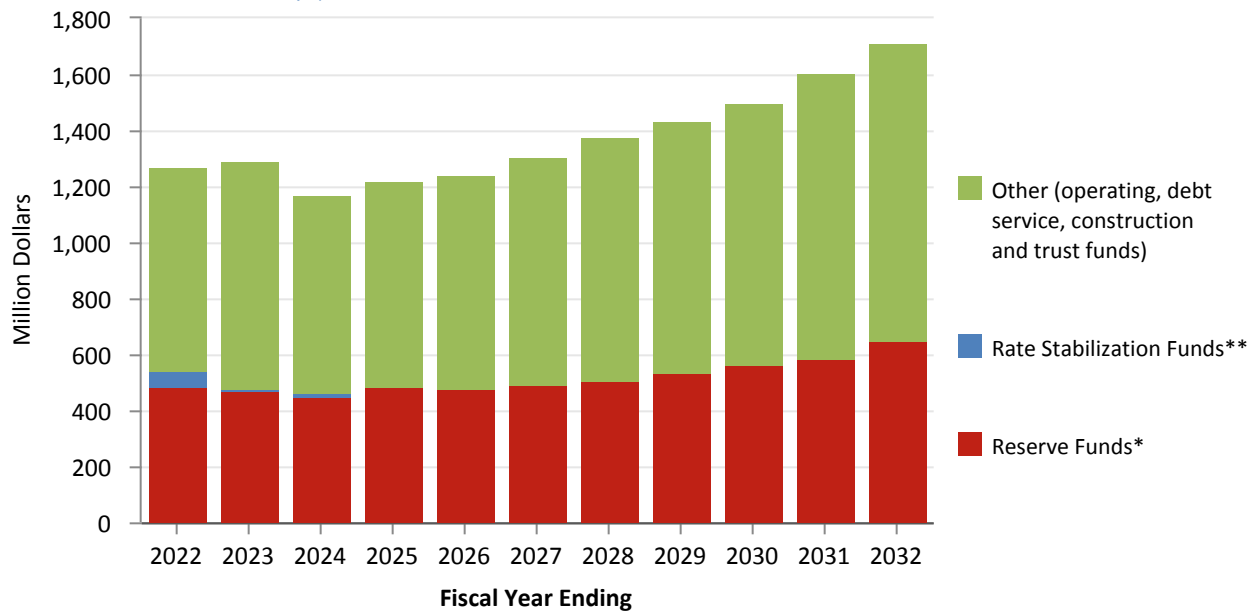


Metropolitan's variable rate debt as a percentage of total revenue bond debt is projected to stay approximately the same at 11% percent over this time period. The appropriate amount of variable rate debt will continue to be monitored and adjusted depending on market rates, financing needs, available short-term investments, and fund levels in the investment portfolio with which variable interest rate exposure can be hedged. GO bond debt will decrease as voter approved indebtedness matures.

FUND BALANCES AND RESERVES

As shown in the figure below, over the next ten years total fund balances are projected to increase to \$1.7 billion in FY 2031/32.

End of Year Fund Balances, \$ millions



* includes Water Rate Stabilization Fund and Revenue Remainder Fund.

** includes Water Stewardship Fund and Treatment Surcharge Stabilization Fund.

FINANCIAL RATIOS

Revenue bond debt service coverage is one primary indicator of credit quality, and is calculated by dividing net operating revenues by debt service. Revenue bond debt service coverage measures the amount that net operating revenues exceed or "cover" debt service payments over a period of time. Higher coverage levels are preferred since they indicate a greater margin of protection for bondholders. For example, a municipality with 2.0 times debt service coverage has twice the net operating revenues required to meet debt service payments. The ten-year forecast projects that Metropolitan's revenue bond coverage ratio ranges from 1.4 times to 1.9 times over the period. Metropolitan's minimum coverage policy is vital to continued strong credit ratings and low cost bond funding.

In addition to revenue bond debt service coverage, Metropolitan also measures total coverage of all fixed obligations after payment of operating expenditures. This additional measure is used primarily because of Metropolitan's recurring capital costs for the SWC. Rating agencies expect that a financially sound utility consistently demonstrate an ability to fund all recurring costs, whether they are operating expenditures, debt service payments or other contractual payments. The ten-year forecast projects that Metropolitan's fixed charge coverage ratio is at least 1.4 times over the ten-year period. These levels help maintain strong credit ratings and access to the capital markets at low cost, and provide PAYGO funding for the CIP.

Ten-Year Financial Forecast, Sources and Uses of Funds, \$ millions

Fiscal Year Ending	2023 Proposed	2024 Proposed	2025 Forecast	2026 Forecast	2027 Forecast	2028 Forecast	2029 Forecast	2030 Forecast	2031 Forecast	2032 Forecast
SOURCES OF FUNDS										
Revenues										
Taxes	163.1	168.3	175.0	178.5	185.5	192.7	200.2	207.9	216.0	224.4
Interest Income	6.4	9.2	12.1	15.6	19.4	20.4	21.3	22.3	23.5	25.1
Power Sales	16.7	14.2	15.5	15.7	15.7	16.2	16.3	13.3	12.9	13.1
Fixed Charges (RTS & Capacity Charge)	181.3	200.1	223.8	228.6	232.5	240.7	261.7	287.8	309.5	336.8
Water Revenues (1)	1,500.1	1,586.1	1,682.7	1,724.5	1,835.2	1,938.7	2,042.1	2,141.9	2,255.1	2,380.0
Miscellaneous Revenue	48.9	33.6	28.4	29.1	31.4	26.7	27.4	29.2	30.0	30.8
Bond Proceeds	303.1	159.2	199.0	209.0	298.5	666.7	845.8	985.1	1,005.0	636.8
Sub-total Revenues	2,219.5	2,170.8	2,336.5	2,401.1	2,618.1	3,102.1	3,414.7	3,687.4	3,851.9	3,646.9
Fund Withdrawals										
R&R and General Fund	135.0	135.0	175.0	175.0	175.0	175.0	200.0	200.0	200.0	200.0
Bond Funds for Construction	—	94.8	11.3	—	1.8	—	—	6.1	—	4.8
Water Stewardship Fund	49.3	—	—	—	—	—	—	—	—	—
Treatment Surcharge Stabilization Fund	4.0	—	11.2	—	—	—	0.1	1.5	—	—
Decrease in Required Reserves	—	1.6	—	—	—	—	—	—	—	—
Decrease in Water Rate Stabilization Fund	—	31.3	—	27.4	8.3	5.5	—	—	—	—
Sub-total Fund Withdrawals	188.3	262.7	197.6	202.4	185.1	180.5	200.1	207.7	200.0	204.8
TOTAL SOURCES OF FUNDS	2,407.8	2,433.6	2,534.1	2,603.5	2,803.2	3,282.6	3,614.8	3,895.1	4,051.9	3,851.7
Water Transactions* (MAF)	1.59	1.54	1.54	1.51	1.53	1.53	1.54	1.55	1.55	1.57

Totals may not foot due to rounding.

(1) includes revenues from water sales and exchanges presented on a Cash Year basis

Fiscal Year Ending	2023 Proposed	2024 Proposed	2025 Forecast	2026 Forecast	2027 Forecast	2028 Forecast	2029 Forecast	2030 Forecast	2031 Forecast	2032 Forecast
USES OF FUNDS										
Expenses										
State Water Contract*	688.7	726.7	736.3	773.1	803.4	858.9	895.7	945.1	978.7	1,030.2
Supply Programs (cash funded portion)	66.7	64.1	55.6	59.5	62.1	62.8	63.8	65.6	67.4	69.1
Delta Conveyance Project planning costs	10.0	54.5	11.6	—	—	—	—	—	—	—
Colorado River Power	105.9	85.6	74.9	77.3	78.6	80.5	85.2	94.8	108.8	111.9
Debt Service	288.0	301.0	305.3	324.1	338.2	356.8	392.2	415.6	450.1	510.9
Demand Management (cash funded portion)	50.8	54.9	76.4	90.3	98.1	107.0	110.5	110.5	109.4	106.2
Departmental O&M	562.1	568.0	593.6	620.3	648.4	677.7	708.4	740.6	774.3	809.5
Treatment Chemicals, Sludge & Power	32.5	34.9	35.5	34.8	36.0	37.3	38.7	40.2	41.7	43.3
Other O&M	14.4	13.8	14.3	14.7	15.1	15.6	16.0	16.5	17.0	17.5
Sub-total Expenses	1,819.0	1,903.6	1,903.4	1,994.1	2,079.8	2,196.5	2,310.6	2,429.0	2,547.3	2,698.6
Capital Investments	381.4	389.0	385.3	381.1	475.3	837.8	1,045.1	1,191.2	1,201.9	841.6
Fund Deposits										
R&R and General Fund	135.0	135.0	175.0	175.0	175.0	175.0	200.0	200.0	200.0	200.0
Revenue Bond Construction	56.7	—	—	2.9	—	3.8	0.6	—	3.0	—
Water Stewardship Fund	—	—	—	—	—	—	—	—	—	—
Treatment Surcharge Stabilization Fund	—	5.9	—	—	—	1.6	—	—	—	—
Interest for Construction & Trust Funds	0.1	0.1	(0.3)	(0.4)	(0.5)	(0.5)	(0.5)	(0.6)	(0.6)	(0.6)
Increase in Required Reserves	13.3	—	53.9	50.9	73.6	68.4	47.9	68.7	89.9	68.6
Increase in Water Rate Stabilization Fund	2.4	—	16.8	—	—	—	11.0	6.8	10.4	43.6
Sub-total Fund Deposits	207.5	141.0	245.4	228.3	248.1	248.3	259.0	274.9	302.7	311.6
TOTAL USES OF FUNDS	2,407.8	2,433.6	2,534.1	2,603.5	2,803.2	3,282.6	3,614.8	3,895.1	4,051.9	3,851.7

Totals may not foot due to rounding.

* Without Delta Conveyance Costs

Ten-Year Financial Forecast, Coverage Ratios and Fund Balances, \$ millions

Fiscal Year Ending	2023 Proposed	2024 Proposed	2025 Forecast	2026 Forecast	2027 Forecast	2028 Forecast	2029 Forecast	2030 Forecast	2031 Forecast	2032 Forecast
RATIOS										
Fixed Charge Coverage	1.4	1.4	1.9	1.7	1.7	1.6	1.6	1.6	1.6	1.5
Revenue Bond Coverage	1.4	1.5	1.8	1.6	1.8	1.8	1.8	1.9	1.9	1.8
Var. Rate Debt as % of Rev. Bond Debt	11.7 %	12.5 %	14.0 %	15.8 %	16.8 %	16.4 %	14.7 %	13.2 %	11.9 %	11.0 %
RESTRICTED AND DESIGNATED FUNDS										
General Fund	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
Treatment Surcharge Stabilization Fund	5.3	11.2	—	—	—	1.6	1.5	—	—	—
Water Stewardship Fund	—	—	—	—	—	—	—	—	—	—
R&R Fund	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Other	756.1	652.1	677.4	709.1	758.6	811.5	839.4	883.5	959.3	1,004.1
Sub-total Restricted Funds	819.1	721.0	735.2	766.8	816.3	870.8	898.6	941.3	1,017.0	1,061.8
UNRESTRICTED FUNDS										
Reserve Funds (1)	474.7	451.0	484.7	479.0	492.4	505.7	536.9	561.5	588.4	650.4
Sub-total Unrestricted Funds	474.7	451.0	484.7	479.0	492.4	505.7	536.9	561.5	588.4	650.4
TOTAL FUNDS	1,293.8	1,172.1	1,219.9	1,245.8	1,308.8	1,376.5	1,435.5	1,502.7	1,605.5	1,712.2

Totals may not foot due to rounding.

(1) includes Water Rate Stabilization Fund and Revenue Remainder Fund.

Metropolitan Water District of Southern California

FISCAL YEARS 2022/23 and 2023/24 COST OF SERVICE REPORT FOR PROPOSED WATER RATES AND CHARGES



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EXECUTIVE SUMMARY

Metropolitan's current rate design was adopted by its Board of Directors on October 16, 2001 following a lengthy and open process. Metropolitan is required to adopt rates and charges that are reasonable, and cost of service is one reasonable method. In 2001, Metropolitan chose to adopt a cost of service rate structure that it found reasonable for recovering the costs of providing full-service water service (treated and untreated) and wheeling service to its 26 member agencies, as previously defined in Metropolitan's Administrative Code Section 4405. The rate structure is designed in accordance with the Rate Structure Action Plan of December 12, 2000; the Composite Rate Structure framework of April 11, 2000; the Strategic Plan Policy Principles of December 14, 1999; and the Strategic Plan Steering Committee Guidelines of January 6, 2000. The Board adopted the rate structure on October 16, 2001. On August 18, 2020, the Board of Directors repealed the Administrative Code sections that established the wheeling service it previously made available to its member agencies (short-term wheeling service under one year) and the pre-set wheeling rate for that wheeling service. As a result of the Board's action, short-term wheeling to member agencies is now determined on a case by case basis and is set by contract, as has been done for wheeling service for member agencies lasting more than one year and wheeling for third parties. Additionally, on November 23, 2021, the Board took an action to direct staff to incorporate all demand management costs in Metropolitan's supply rate elements for future rates and charges proposals, eliminating the Water Stewardship Rate element.

This report describes the updated rate structure in detail including the cost of service process that supports the proposed rates and charges for calendar years 2023 and 2024, which are based on the Proposed Biennial Budget for Fiscal Years 2022/23 and 2023/24 prepared for the Board and committee meetings scheduled in February 2022 (the "Biennial Budget") through April 2022.

The rate structure supports the strategic planning vision that Metropolitan is a regional provider of services, encourages the development of additional local supplies by member agencies through programs such as recycling, encourages conservation, and accommodates a water transfer market. Through its regional services, Metropolitan ensures a baseline of reliability and quality for imported water deliveries in its service area. Metropolitan's rate structure recognizes the foregoing and other unique aspects of Metropolitan's services, governance structure, and operational circumstances. Although there are general tenants that are important in cost of service industry guidelines, all guidelines recognize that customization of cost of service is necessary to reflect the service being provided. Accordingly, Metropolitan's cost of service and the rate structure developed therefrom is in line with industry guidelines and Metropolitan's unique operational circumstances.

Objectives

In accordance with the Strategic Plan Policy Principles adopted in 1999, the rate structure is designed to accomplish the following:

Accountability. Define the linkage among costs, charges, and benefits through a cost of service approach consistent with industry guidelines.

Regional Provider. Ensure that regional services are provided to meet the existing and growth needs of member agencies.

Equity. Ensure that users, including member agencies and other entities, pay the same rates and charges for like classes of services and provide fair and reasonable allocation of costs through rates and charges.

Environmental Responsibility. Encourage wise environmental stewardship and effective demand management by funding conservation and recycling projects and programs and using pricing¹ to encourage investments in conservation, recycling, and other economical local supplies.

Choice and Competition. Offer choices for services to member agencies and accommodate the development of a water transfer market.

Water Quality. Support source quality improvements and water treatment systems that are required to ensure safe drinking water and the feasibility of water recycling and groundwater management programs.

Financial Integrity. Establish a financial commitment from the member agencies that provides financial security for Metropolitan and does not transfer undue risk to member agencies, individually or as a whole.

¹ Metropolitan's rates reflect the cost of providing its services and the impact of those costs may have an impact on member agencies' conservation and local resource development. Metropolitan invests in demand management, by providing incentives to those conserving and developing local resource projects that reduce the price of those projects for the participants. Those demand management investments lower system costs and reduce the need for Metropolitan to import additional supplies into the service area.

DISTRICT OVERVIEW

This Report provides an overview of Metropolitan generally, its governance structure, operational characteristics, and the services it provides to its member agencies. The District Overview provides context for the cost of service process applied, which result in the proposed rates and charges.

District Profile

The Metropolitan Water District of Southern California (Metropolitan) is a metropolitan water district created in 1928 under authority of the Metropolitan Water District Act (California Statutes 1927, Chapter 429, as reenacted in 1969 as Chapter 209, as amended (the Act)). Metropolitan has 26 member public agencies and its primary purpose is to provide its members with a reliable wholesale water supply service for domestic and municipal uses. To do so, Metropolitan imports water from the Colorado River and Northern California. Metropolitan also helps its member agencies develop increased water conservation, recycling, storage, and other local resource programs.

Metropolitan is authorized to develop, store, and distribute water for domestic and municipal purposes and other beneficial uses if excess water is available, and may provide, generate, and deliver electric power within or outside the state for the purpose of developing, storing, and distributing water. All powers, privileges and duties vested in or imposed upon Metropolitan are exercised and performed by and through its Board of Directors. Metropolitan is governed by a 38-member Board of Directors representing the 26 member agencies. Metropolitan directors are selected by their respective member agencies and some of those directors also serve on the governing body of their member agency. Board and committee meetings are open to the public and are broadcast on the Internet through Metropolitan's website, www.mwdh2o.com. Although the Board and its committees have met virtually since the start of the COVID-19 pandemic, Metropolitan has made participation, observation, viewing, and listening options available to the public for all meetings. A schedule of Board and committee meetings, as well as current and archived Board materials, is available at the same website.

Metropolitan was established to obtain an allotment of Colorado River water and to construct and operate the 242-mile Colorado River Aqueduct (CRA), which runs from an intake at Lake Havasu on the California-Arizona border, to an endpoint at Metropolitan's Lake Mathews reservoir in Riverside County. Metropolitan owns and operates an extensive portfolio of capital facilities including the CRA, 16 hydroelectric facilities, nine reservoirs, 830 miles of large-scale pipes, and five water treatment plants.

In 1960, Metropolitan, followed by other public agencies, signed a long-term contract with the state Department of Water Resources (DWR) to participate in the State Water Project (SWP). The SWP is the largest state-built, user-financed water supply and transportation project in the country. Its facilities were constructed with several general types of financing, the repayment of which is made by the 29 agencies and districts that participate in the SWP through long-term contracts (the State Water Contractors). The State Water Contractors also pay for the operations, maintenance, power, and replacement (OMP&R) costs of the SWP, as the State Water Contracts are the basis for all SWP construction and ongoing operations. DWR manages and operates the SWP. As the largest of the now 29 contractors, Metropolitan is allocated slightly less than half of all SWP supplies. Water supplies from the SWP are conveyed to Metropolitan via the SWP's 444-mile California Aqueduct, which was made possible pursuant to Metropolitan's State Water Contract. The SWP serves urban and agricultural agencies from the San Francisco Bay area to Southern California.

To secure additional supplies, Metropolitan also has groundwater banking partnerships and water transfer arrangements within and outside of its service area. Metropolitan also provides financial incentives to its member agencies for local investments in demand management programs and projects. An increasing

percentage of Southern California's water supply comes from these conservation programs and local resources projects, including water recycling and recovered groundwater.

To pay for its costs, the Act authorizes Metropolitan to: levy property taxes within its service area; establish water rates; collect charges for water standby and service availability; incur general obligation bonded indebtedness and issue revenue bonds, notes and short-term revenue certificates; execute contracts; and exercise the power of eminent domain for the purpose of acquiring property. In addition, Metropolitan's Board is authorized to establish terms and conditions under which additional areas may be annexed to Metropolitan's service area.

District Mission

The mission of Metropolitan is to provide its 5,200-square-mile service area with an adequate and reliable supply of high-quality water to meet present and future needs in an environmentally and economically responsible way.

Metropolitan Service Area

Metropolitan's service area comprises approximately 5,200 square miles and includes portions of the six counties of Los Angeles, Orange, Riverside, San Bernardino, San Diego and Ventura. When Metropolitan began delivering water in 1941, its service area consisted of approximately 625 square miles. Its service area has increased by 4,500 square miles since that time. The expansion was primarily the result of annexation of the service areas of additional member agencies. Metropolitan has historically provided between 40 and 60 percent of the water used annually within its service area.

The area served by Metropolitan represents the most densely populated and heavily industrialized portions of Southern California. Metropolitan estimates that approximately 19 million people lived in Metropolitan's service area in 2020, based on official estimates from the California Department of Finance and on population distribution estimates from the Southern California Association of Governments (SCAG) and the San Diego Association of Governments (SANDAG). Recent population projections prepared by SCAG in 2020 and by SANDAG in 2019, which will be used as base data for Metropolitan's 2020 Integrated Water Resources Plan, show expected population growth of approximately 17 percent in Metropolitan's service area between 2010 and 2035, which is slightly lower than the approximately 18 percent population growth rate projected by SCAG in 2012 and SANDAG in 2013 (which projections were used as base data for Metropolitan's prior 2015 Integrated Water Resources Plan update).

The economy of Metropolitan's service area is exceptionally diverse. In 2019, the economy of the six counties which contain Metropolitan's service area had a gross domestic product larger than all but twelve nations of the world. The Six County Area economy ranked between South Korea (\$1.642 trillion) and Spain (\$1.394 trillion), with an estimated gross domestic product (GDP) of \$1.596 trillion. The Six County Area's gross domestic product in 2019 was larger than all states except California, Texas, and New York.

The climate in Metropolitan's service area ranges from moderate temperatures throughout the year in the coastal areas to hot and dry summers in the inland areas. Annual rainfall in an average year has historically been approximately 13 to 15 inches along the coastal area, up to 20 inches in foothill areas and less than 10 inches inland.

Service Area Map

Figure 1 below shows the area served by Metropolitan. It includes parts of the six counties that comprise Southern California (Six County Area) consisting of Los Angeles, Orange, Riverside, San Bernardino, San Diego, and Ventura counties. Although these counties comprise Metropolitan's service area, Metropolitan's territory does not encompass all the area within each of the six counties.

Figure 2: Metropolitan Organization Chart

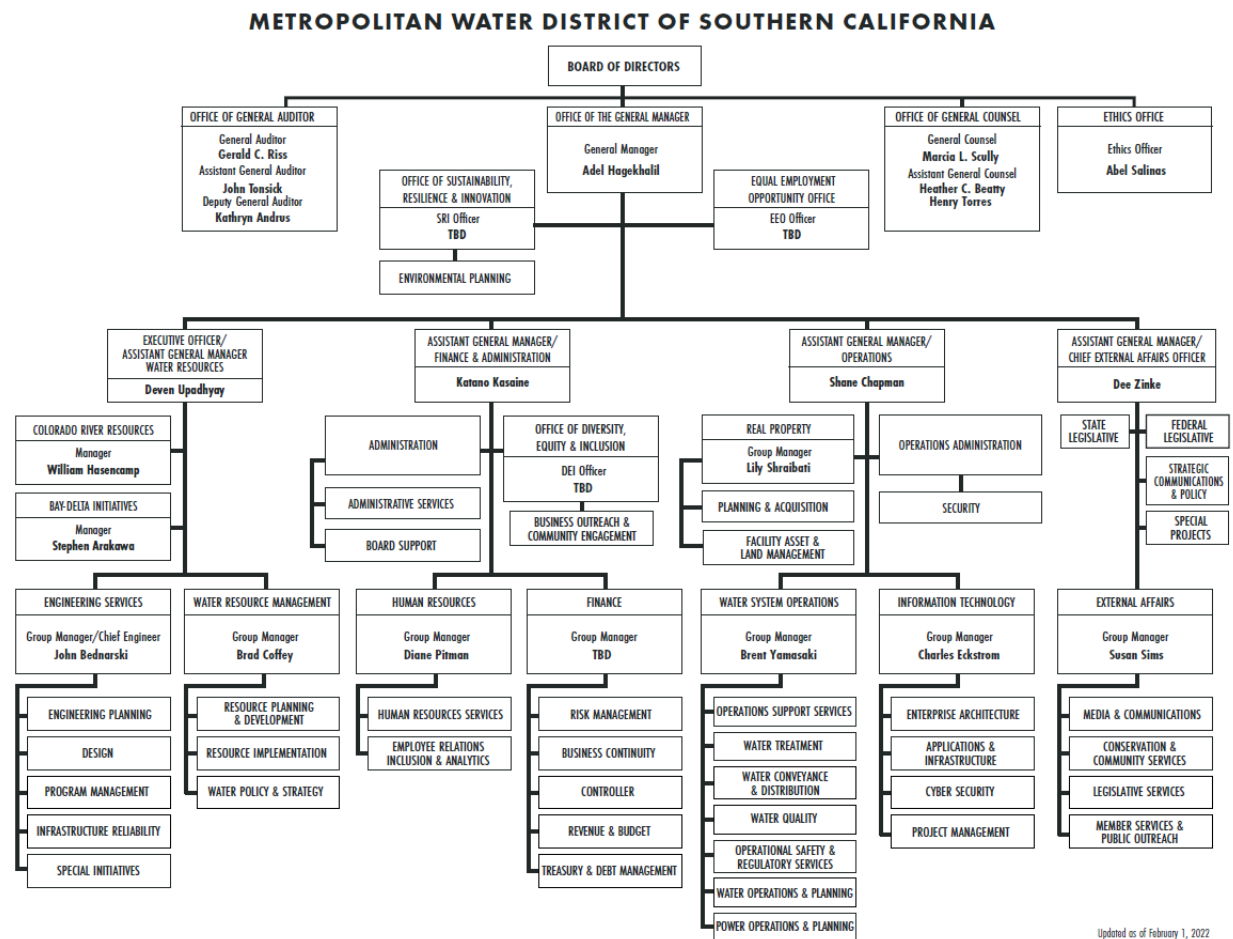


Table 1: Metropolitan Senior Management

Adel Hagekhalil	General Manager
Marcia Scully	General Counsel
Gerald Riss	General Auditor
Abel Salinas	Ethics Officer
Deven Upadhyay	Executive Officer and Assistant General Manager/Water Resources
Katano Kasaine	Assistant General Manager/Finance & Administration
Dee Zinke	Assistant General Manager/Chief External Affairs Officer
Shane Chapman	Assistant General Manager/Operations
Rosa Castro	Board Administrator

Member Agencies

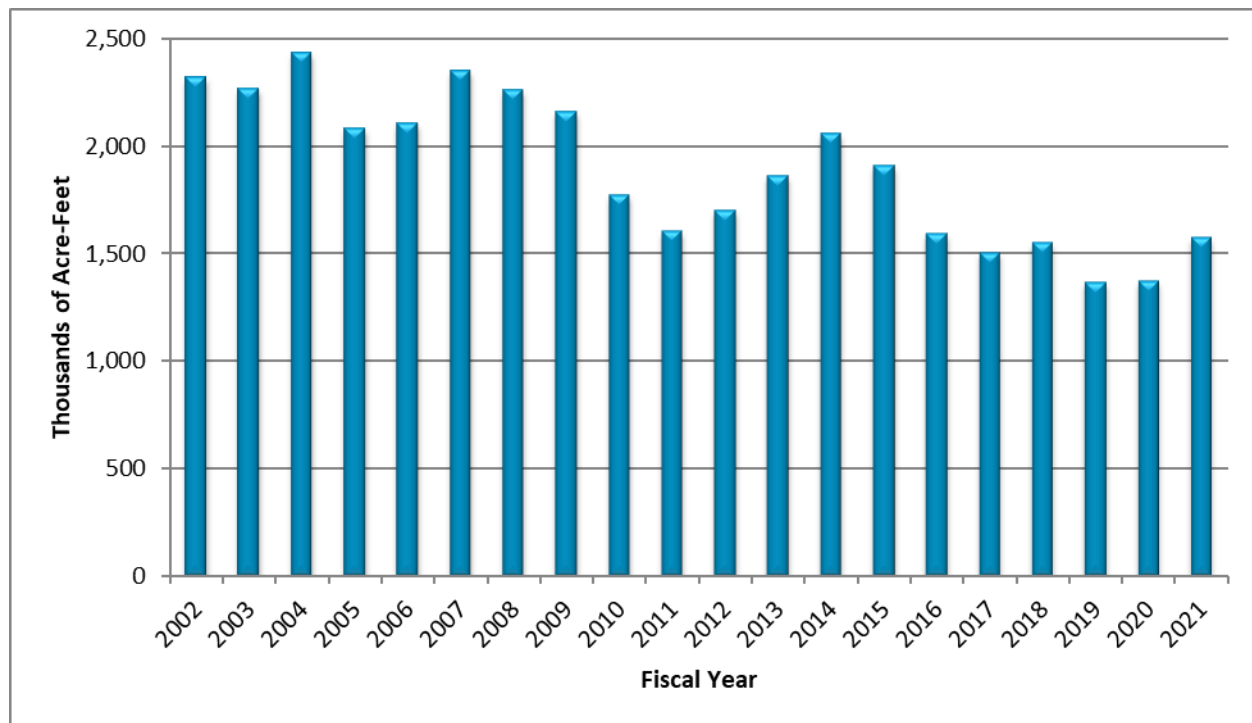
Table 2 lists the 26 member agencies of Metropolitan which include 11 municipal water districts, 14 cities and one county water authority.

Table 2: Metropolitan Member Agencies

Municipal Water Districts	Cities	County Water Authority
Calleguas	Anaheim	San Diego
Central Basin	Beverly Hills	
Eastern	Burbank	
Foothill	Compton	
Inland Empire Utilities Agency	Fullerton	
Upper San Gabriel Valley	Glendale	
Western of Riverside County	Long Beach	
Las Virgenes	Los Angeles	
Orange County	Pasadena	
Three Valleys	San Fernando	
West Basin	San Marino	
	Santa Ana	
	Santa Monica	
	Torrance	

Metropolitan's Water Transactions with Member Agencies

Due to Metropolitan's role as a voluntary cooperative of, and supplemental wholesale supplier to, member agencies with varying degrees of reliance on Metropolitan, and other factors described below, water transactions are highly variable and unpredictable from year to year. In the past 20 years, water transactions have been as high as 2.4 million acre-feet (MAF) in FY 2003/04 and as low as 1.4 MAF in FY 2018/19, as shown in Figure 3. Figure 3 includes total transactions by fiscal year, which includes water sales, exchanges, and wheeling. Variation occurs for many reasons. The demand for supplemental supplies is dependent on water use at the retail consumer level and the amount of local water supplies available to member agencies. Consumer demand and locally supplied water vary from year to year, resulting in variability in Metropolitan's water transactions. Both economic growth and recessions can also lead to increases and decreases in demand. Weather also affects demands. Wet cool weather not only increases the availability of local supplies, it also decreases retail demands. Conversely, hot and dry weather results in significant increases in retail demand. Member agencies also rely on Metropolitan during times of operational emergencies. Examples include: power outages, when member agencies need gravity-fed supplies to replace energy-dependent operations; water quality issues, such as when contaminants in groundwater force member agencies to shut down wells; and fires, when member agencies rely on Metropolitan for increased flows.

Figure 3: Historic Water Transactions FY 2002 -2021 ¹

¹ Occur period Water Transactions. Includes transactions for services provided to member agencies and transactions based on contracts with member agencies and third parties.

Table 3 identifies the amounts paid by member agency, including fixed charges and volumetric rates, as well as the volume of water transactions by Metropolitan member agencies for FY 2021. Water transactions include sales, exchanges, and wheeling.

Table 3: Metropolitan Water Transactions with Member Agencies, Year Ended June 30, 2021(Accrual Basis, Dollars in Thousands) ^{1, 2}

Agency	Revenues				Water Transactions	
	Fixed Charges (\$ thousands)	Volumetric Charges (\$ thousands)	Total (\$ thousands)	Percent of Total	AF	Percent of Total
Anaheim	\$ 1,344	\$ 41,292	\$ 42,636	2.87%	41,970	2.99%
Beverly Hills	1,196	10,675	11,871	0.80%	9,784	0.70%
Burbank	853	8,760	9,613	0.65%	11,112	0.79%
Calleguas	8,046	103,711	111,757	7.51%	96,240	6.85%
Central Basin	836	27,263	28,099	1.89%	28,849	2.05%
Compton	61	2	63	0.00%	2	0.00%
Eastern	7,830	89,647	97,476	6.55%	97,615	6.95%
Foothill	645	10,598	11,243	0.76%	9,733	0.69%
Fullerton	486	7,552	8,038	0.54%	6,947	0.49%
Glendale	1,348	17,719	19,067	1.28%	16,183	1.15%
Inland Empire	4,521	44,465	48,986	3.29%	84,622	6.03%
Las Virgenes	1,842	23,056	24,897	1.67%	21,153	1.51%
Long Beach	2,379	24,043	26,422	1.78%	23,105	1.65%
Los Angeles	28,159	271,083	299,242	20.11%	323,306	23.02%
MWDOC	15,423	137,769	153,192	10.30%	165,144	11.76%
Pasadena	1,644	23,314	24,958	1.68%	21,297	1.52%
San Diego CWA	19,952	197,949	217,901	14.64%	69,347	4.94%
San Fernando	3	-3	0	0.00%	-	0.00%
San Marino	108	796	903	0.06%	738	0.05%
Santa Ana	734	8,423	9,157	0.62%	7,738	0.55%
Santa Monica	707	6,113	6,820	0.46%	5,666	0.40%
Three Valleys	5,078	62,301	67,379	4.53%	68,514	4.88%
Torrance	1,294	14,195	15,489	1.04%	29,155	2.08%
Upper San Gabriel	492	46,902	47,393	3.19%	62,253	4.43%
West Basin	12,177	118,108	130,285	8.76%	108,807	7.75%
Western MWD	4,404	70,673	75,077	5.05%	95,139	6.77%
Total	\$ 121,561	\$ 1,366,404	\$ 1,487,965	100.00%	1,404,418	100.00%

¹ Water Transactions include sales, exchanges, and wheeling.² Water Transactions as billed.

Due to differences in local supply resources and demand characteristics, usage profiles differ significantly among the member agencies. Table 4 summarizes the usage characteristics of the member agencies for the ten calendar years ended 2020. As can be seen from this table, individual agency purchases vary substantially from year to year, and the Metropolitan system accommodates usage behavior that varies widely among member agencies. The table shows that Metropolitan's transactions can vary as much as ± 30 percent from average. This range of variability is not typical for a retail water utility, but Metropolitan is a wholesale supplemental supplier with varying demands placed on it by its member agencies. Additionally, Metropolitan maintains its service available to all member agencies, regardless of each agencies' usage patterns.

Table 4: Member Agency Water Usage ProfilesCalendar Years 2011-2020 ^{1, 2, 3}

Agency	Average (AF)	Maximum (AF)	Minimum (AF)	Peak Day (CFS)
Anaheim	19,504	38,582	13,267	84.1
Beverly Hills	10,634	12,102	9,498	32.7
Burbank	15,690	19,815	7,747	22.6
Calleguas	100,699	133,688	87,759	240.8
Central Basin	42,659	73,685	17,546	79.2
Compton	420	1,597	-	6.9
Eastern	102,891	113,109	83,878	267.4
Foothill	8,270	9,532	7,218	19.9
Fullerton	7,515	10,339	5,057	27.4
Glendale	17,480	20,941	14,487	49.0
Inland Empire	81,713	103,526	63,287	153.9
Las Virgenes	20,807	24,639	17,815	46.1
Long Beach	33,225	45,221	25,953	80.4
Los Angeles	267,855	444,526	106,380	782.5
MWDOC	304,336	361,491	161,758	443.1
Pasadena	18,754	21,103	16,501	52.5
San Diego	443,762	600,211	323,909	1,138.2
San Fernando	31	108	-	4.9
San Marino	972	1,601	309	7.5
Santa Ana	10,452	16,675	4,747	21.7
Santa Monica	4,757	6,629	2,989	22.7
Three Valleys	67,162	73,500	55,988	178.6
Torrance	18,021	28,013	15,209	39.1
Upper San Gabriel	39,359	61,263	17,416	79.1
West Basin	144,806	156,213	119,443	230.2
Western	93,279	114,317	83,498	198.6
Total	1,875,053	2,492,428	1,261,658	4,309.3

¹ Water Transactions include sales, exchanges, and wheeling.² Occur period Water Transactions.³ Peak Day from May 1 through September 30, excluding replenishment.

Based on the variability of supplemental wholesale water transactions and unpredictability of future hydrologic conditions, transaction projections are based on long-term average forecasts consistent with Metropolitan's 2020 Integrated Resources Plan update analysis.

Metropolitan's Water Resources and Facilities

Metropolitan's total water system has been built over time to meet the widely differing needs of its member agencies and the sources of water available to Metropolitan. Some agencies have no local water resources and rely on Metropolitan for 100 percent of their annual water needs. Other agencies have adequate local surface supplies and storage and/or groundwater basins that provide them with the majority of their water supplies during wet and average years. However, during dry periods these agencies rely on Metropolitan to

make up any shortfalls in local water supplies. All members rely on the entirety of the system reliability during any emergency or shortage period. Therefore, Metropolitan operates its system to attempt to ensure the availability of its services to all its member agencies throughout the entire year. Challenges arise in managing water available from the SWP, the Colorado River, and water supply projects of Metropolitan.

Metropolitan's water delivery system is comprised of three integrated conveyance and delivery components:

- SWP;
- CRA; and
- Distribution System.

The California Aqueduct of the SWP and the CRA convey imported water into the Metropolitan service area. This water is then delivered to Metropolitan's member agencies via a regional network of canals, pipelines, and appurtenant facilities, which constitute the Distribution System. Supply, treatment, and storage facilities augment the Distribution System.

Water Conveyance System

For purposes of this report, components of the conveyance system are considered to include only those major trunk facilities that transport water from primary supply sources to either regional storage facilities or feeder lines linked to the primary conveyance facilities. All other water transport facilities, including pipelines, feeders, laterals, canals and aqueducts are considered part of the distribution facilities. Distribution facilities can be further identified in that they generally have at least one connection to a member agency's local distribution system. Existing regional conveyance facilities include both the SWP and CRA facilities. SWP facilities transport water from the Sacramento-San Joaquin Delta southward through a series of pumps, aqueducts, siphons, and tunnels that comprise the California Aqueduct. Conveyance facilities in or near Metropolitan's service area include the East Branch and West Branch of the California Aqueduct, the San Bernardino Tunnel, the Devil Canyon Power Plant, and the Santa Ana Valley Pipeline, which constitute the terminus of the reaches of the SWP facilities used and allocable to Metropolitan under its State Water Contract. The characteristics of the California Aqueduct are described more fully under the "State Water Project" heading below. Metropolitan operates the CRA. The CRA transports water from the Colorado River approximately 242 miles to its terminus at Lake Mathews in Riverside County. The characteristics of the CRA are more fully described under the "Colorado River Aqueduct" heading below. A summary of conveyance facilities is presented in Table 5.

Table 5: Components of Metropolitan's Water Conveyance System

Facility Name	Design Capacity (cfs)
East Branch SWP to Devil Canyon (a)	1,500
West Branch SWP (a)	1,490
Santa Ana Valley Pipeline SWP (a)	420
Colorado River Aqueduct	1,605
Inland Feeder	1,000

(a) The availability of additional capacity is dependent on coordination of Metropolitan's needs and the needs of other SWP Contractors

Metropolitan's conveyance facilities deliver available water to meet regional supplemental water demands either through direct deliveries or through deliveries to storage for later use. The two most important factors considered in evaluating water conveyance needs are:

- Availability of water supplies; and
- Supplemental water demands, including both:
 - Consumptive demands; and
 - Deliveries to storage during water surplus periods.

Additional factors that are considered in modeling operational needs and planning for additional water conveyance facilities include:

- Water quality blend requirements,
- System reliability in an emergency or unusual supply year; and
- System flexibility under other-than-normal operating conditions.

Conveyance system planning and operational needs are evaluated using both 1) computer simulation models, which indicate how much imported water is available during a given year, and 2) a distribution system mass balance model, which indicates system capacity constraints. These models use available imported supplies based on historical hydrology, and then map these supplies over projected supplemental water demands on a monthly basis. Modeling results are analyzed to determine if shortages occur because of conveyance constraints or water supply constraints under various wet, dry, and normal conditions. The need for additional conveyance facilities is governed by the most restrictive of the conveyance constraints.

State Water Project (SWP)²

One of Metropolitan's two major sources of water is the SWP, which is managed and operated by DWR, and is an integral part of Metropolitan's conveyance system. The SWP is the largest state-built, multipurpose, user-financed water project in the country. It was designed and built primarily to deliver water, but also provides flood control, generates power for pumping, is used for recreation, and enhances habitat for fish and wildlife. The SWP provides irrigation water for 750,000 acres of farmland, primarily in the San Joaquin Valley, and provides municipal and industrial water for approximately 27 million of California's estimated 39.5 million residents.

The SWP consists of a complex system of dams, reservoirs, power plants, pumping plants, canals and aqueducts to deliver water. SWP water consists of water from rainfall and snowmelt runoff that is captured and stored in SWP conservation facilities and then delivered through SWP transportation facilities to water agencies and districts located throughout the Upper Feather River, Bay Area, Central Valley, Central Coast, and Southern California. Metropolitan receives water from the SWP through the California Aqueduct, which is 444 miles long, and at four delivery points near the northern and eastern boundaries of Metropolitan's service area. The SWP facilities are shown in Figure 4.

The capacity of the SWP to deliver water decreases with distance from the Banks Pumping Plant, located in the Sacramento-San Joaquin Delta, as water is delivered to Contractors through the South Bay Aqueduct and the Coastal Branch Aqueduct, and to turnouts in the San Joaquin Valley and Southern California. The design pumping capacity at Banks Pumping Plant is 10,670 cubic feet-per-second (cfs) but only 4,480 cfs at the Edmonston Pumping Plant, located at the base of the Tehachapi Mountains.

In addition to the delivery of SWP water, the SWP is also used to convey transfers of SWP water and non-SWP water. SWP operations are closely coordinated and integrated with the federal Central Valley Project (CVP) and the San Luis Reservoir and San Luis Canal section of the California Aqueduct are shared SWP/CVP facilities. The SWP is also connected to other water sources upstream of the Sacramento-San Joaquin Delta, and along the California Aqueduct as it passes through Central Valley.

² For historical and current information regarding the SWP, refer to Bulletin 132, published periodically by DWR since 1963. The most recently published Bulletin is Bulletin 132-18 dated January 2021 and titled "Management of the California State Water Project". Appendices to the Bulletin are also updated separately. Both are available at: <https://water.ca.gov/Programs/State-Water-Project/Management/Bulletin-132>.

This map illustrates the extensive California Aqueduct system, which transports water from the Sacramento-San Joaquin Delta to the Central Valley. The main aqueduct runs north-south, with several major branches extending eastward and southward. Key components labeled include:

- North End:** Thermalito Diversion Dam Powerplant, Thermalito Forebay, Robie Thermalito Pumping-Generating Plant, Thermalito Afterbay, Hyatt Powerplant, and various reservoirs like Antelope Lake, Lake Oroville, and Frenchman Lake.
- Delta Region:** Barker Slough Pumping Plant, Cordelia Pumping Plant, North Bay Aqueduct, South Bay Pumping Plant, South Bay Aqueduct, Del Valle Pumping Plant, O'Neill Pumping Plant, San Luis Reservoir, Los Banos Reservoir, Little Panoche Reservoir, and the Clifton Court Forebay.
- Central Valley:** Badger Hill Pumping Plant, Devil's Den Pumping Plant, Bluestone Pumping Plant, Polonio Pass Pumping Plant, Las Perillas Pumping Plant, and the California Aqueduct main line.
- East Branch:** Teerink Pumping Plant, Chrisman Pumping Plant, Edmonston Pumping Plant, Alamo Powerplant, and the East Branch Aqueduct.
- West Branch:** Buena Vista Pumping Plant, Oso Pumping Plant, Quail Lake, Warne Powerplant, Castaic Pumping-Generating Plant (LADWP), Elderberry Forebay, and the West Branch Aqueduct.
- South End:** Pearblossom Pumping Plant, Mojave Siphon Powerplant, Devil Canyon Powerplant, Greenspot Pump Station, Crafton Hills Pump Station, Crafton Hills Reservoir, Lake Perris, and the East Branch Extension.

State Water Contractors participate in the SWP through responsibility for costs of the SWP in exchange for delivery of water conserved and stored by the SWP, an allocated portion of that total supply, and other participation rights. Each year, DWR determines the percentage of the total contracted amount it estimates

will be available to the State Water Contractors (the DWR allocation). Under a 100 percent allocation, Metropolitan would receive 1,911,500 acre-feet of SWP water. Late each year, DWR announces an initial allocation estimate for the upcoming year but may revise the estimate throughout the year if warranted by developing precipitation and water supply conditions. State Water Contractors are obligated to pay all costs of the SWP, except for those attributable to recreation, flood control, and other costs not associated with water deliveries to the State Water Contractors, regardless of the annual allocation determined by DWR. In addition to SWP water, Metropolitan also obtains water from water transfers, groundwater banking and exchange programs delivered through the California Aqueduct. From calendar years 2004 through 2020 the amount of water received by Metropolitan from the SWP, including water from water transfer, groundwater banking and exchange programs delivered through the California Aqueduct (described under “Water Transfer, Storage and Exchange Programs” below), varied from a low of 593,000 acre-feet in calendar year 2015 to a high of 1,800,000 acre-feet in 2004. In calendar year 2020, DWR’s allocation to State Water Contractors was 20 percent of contracted amounts, or 382,200 acre-feet, for Metropolitan. In calendar year 2021, DWR’s allocation to State Water Contractors was 5 percent of contracted amounts, or 95,550 acre-feet, for Metropolitan.

On December 1, 2020, DWR announced an initial calendar year 2020 allocation of 10 percent. On March 23, 2021, DWR decreased the allocation to 5 percent. Decreased hydrologic conditions, including below-average precipitation in the month of January and February, led to the decrease to 5 percent. For calendar year 2021, DWR’s initial allocation was announced on December 1, 2021 and was 0 percent of contracted amounts. This is the first year in DWR’s history of setting an initial allocation of 0 percent. As a result of improved runoff conditions, on January 20, 2022 DWR increased the allocation to 15 percent.

In addition to the allocation percentage set by DWR, the availability of SWP water to its contractors depends on the ability of the system to convey the water to each contractor. Regulatory constraints have reduced the ability of the SWP to divert water from the Bay-Delta, and subsidence has reduced the capacity to convey water to the service area of contractors south of the Bay-Delta.

In addition to being a source of water for diversion into the SWP, the Bay-Delta is also the source of water for local agricultural, municipal and industrial needs, and, in addition, supports significant resident and anadromous fish and wildlife resources and important recreational uses of water. Both the SWP’s upstream reservoir operations and its Bay-Delta diversions can at times affect these other uses of Bay-Delta water directly, or indirectly, through impacts on Bay-Delta water quality.

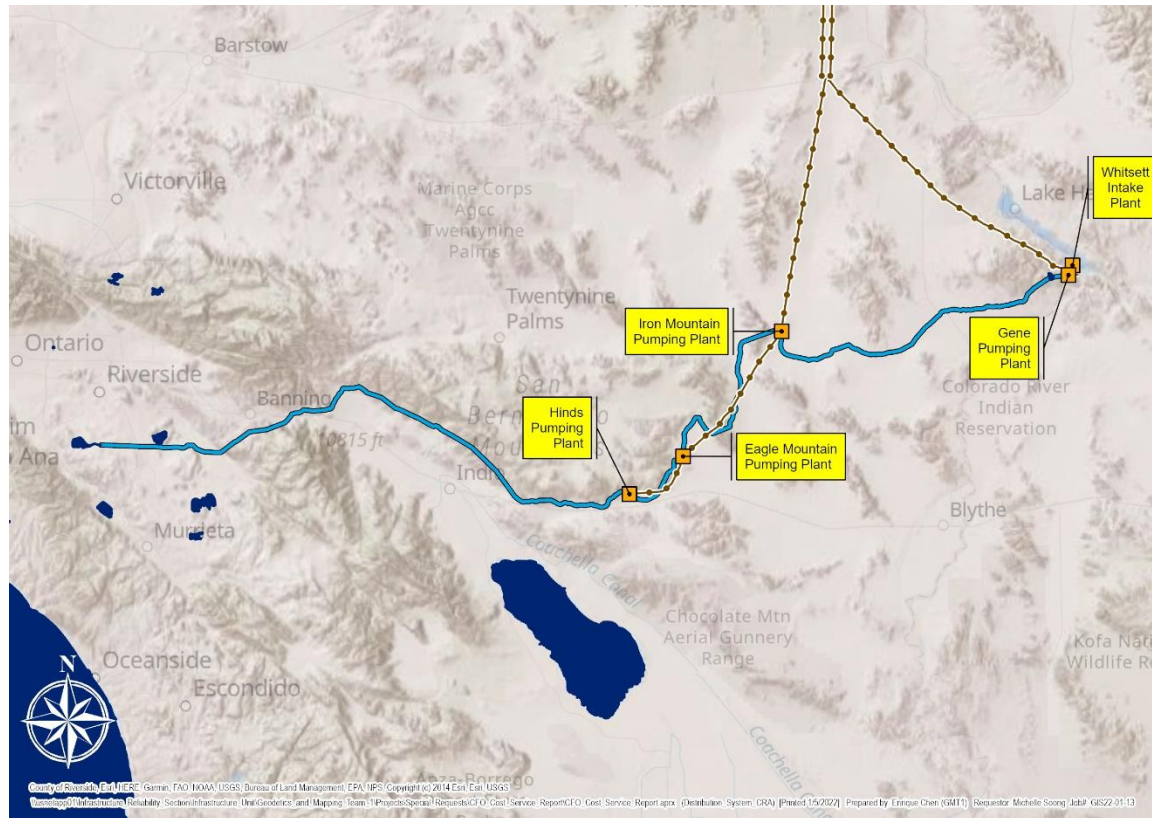
Colorado River Aqueduct (CRA)

The other major source of water for Metropolitan is the Colorado River through the CRA. Metropolitan was established to obtain an allotment of Colorado River water, and its first mission was to construct and operate the CRA. The CRA consists of 5 pumping plants, 450 miles of high voltage power lines, 1 electric switching station, 4 regulating reservoirs, and 242 miles of aqueducts, siphons, canals, conduits and pipelines terminating at Lake Mathews in Riverside County.

The Colorado River was Metropolitan’s original source of water after Metropolitan’s establishment in 1928. Metropolitan has a legal entitlement to receive water from the Colorado River under a permanent service contract with the Secretary of the Interior. Water from the Colorado River and its tributaries is also available to other users in California, as well as users in the states of Arizona, Colorado, Nevada, New Mexico, Utah, and Wyoming (the Colorado River Basin States), resulting in both competition and the need for cooperation among these holders of Colorado River entitlements. In addition, under a 1944 treaty, Mexico has an allotment of 1.5 MAF of Colorado River water annually except in the event of extraordinary drought or serious accident to the delivery system in the United States, in which event the water allotted to Mexico would be curtailed. Mexico also can schedule delivery of an additional 200,000 acre-feet of Colorado River water per year if water is available in excess of the requirements in the United States and the 1.5 MAF allotted to Mexico.

The CRA, which is directly owned and operated by Metropolitan, transports water from the Colorado River approximately 242 miles to its terminus at Lake Mathews in Riverside County. The CRA is shown in Figure 5. Up to 1.25 MAF of water per year may be conveyed through the CRA to Metropolitan's service area, subject to availability of Colorado River water for delivery to Metropolitan as described below.

Figure 5: Colorado River Aqueduct



California is apportioned the use of 4.4 MAF of water from the Colorado River each year plus one-half of any surplus that may be available for use collectively in Arizona, California and Nevada. Under the 1931 priority system that has formed the basis for the distribution of Colorado River water made available to California, Metropolitan holds the fourth priority right to 550,000 acre-feet per year. This is the last priority within California's basic apportionment. In addition, Metropolitan holds the fifth priority right to 662,000 acre-feet of water, which is in excess of California's basic apportionment. Until 2003, Metropolitan had been able to take full advantage of its fifth priority right as a result of the availability of surplus water and water apportioned to Arizona and Nevada that was not needed by those states. However, during the 1990s, Arizona and Nevada increased their use of water from the Colorado River and by 2002 no unused apportionment was available for California. In addition, a severe drought in the Colorado River Basin reduced storage in system reservoirs, ending the availability of surplus deliveries to Metropolitan. As a result, California has been limited to 4.4 MAF since 2003. Prior to 2003, Metropolitan could divert over 1.25 MAF in any year, but since that time, Metropolitan's net diversions of Colorado River water have ranged from a low of 537,607 acre-feet in 2019 to a high of approximately 1,179,000 acre-feet in 2015. Metropolitan has taken steps to augment its share of Colorado River water through agreements with other agencies that have rights to use such water.

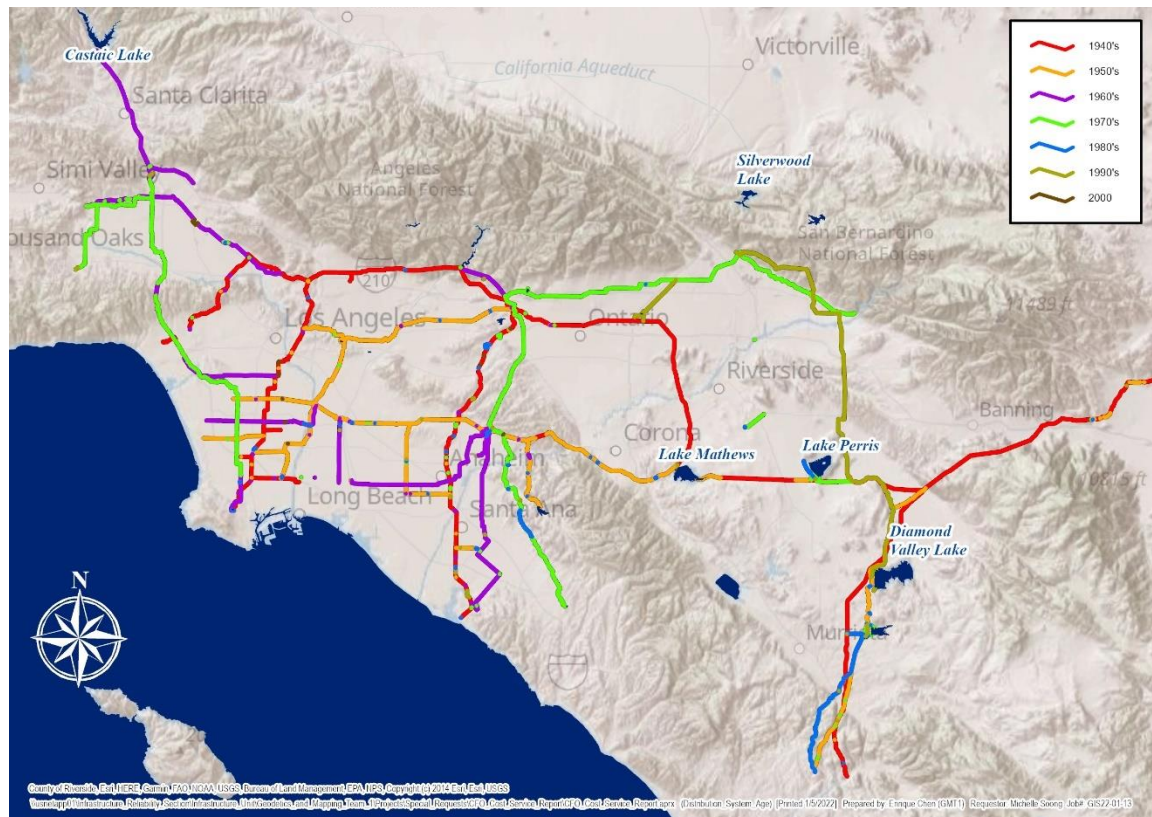
The Quantification Settlement Agreement (QSA) and related agreements, executed by Coachella Valley Water District (CVWD), Imperial Irrigation District (IID), Metropolitan, and other parties in October 2003, establishes Colorado River water use limits for IID and CVWD, and provides for specific acquisitions of conserved water and water supply and delivery arrangements for up to 110 years. The QSA and related

agreements provide a framework for Metropolitan to enter into other cooperative Colorado River supply programs and set aside several disputes among California's Colorado River water agencies.

Specific programs under the QSA and related agreements include lining portions of the All-American and Coachella Canals, which conserve approximately 96,000 acre-feet annually. Included under the QSA is an allocation agreement, in which Metropolitan assigned about 80,000 acre-feet of conserved canal lining water per year to the San Diego County Water Authority (SDCWA) for 110 years. Also included is an exchange agreement with SDCWA, under which SDCWA makes available to Metropolitan at Lake Havasu the conserved canal lining water and conserved transfer water from IID, and in exchange Metropolitan delivers a like quantity of water to SDCWA in its service area. Additionally, included under the QSA is the delivery and exchange agreement between Metropolitan and CVWD that provides for Metropolitan, when requested, to deliver annually up to 35,000 acre-feet of Metropolitan's SWP contractual water to CVWD by exchange with Metropolitan's available Colorado River supplies. Metropolitan and CVWD also share in 105,000 acre-feet annually of water conserved by IID, with Metropolitan receiving no less than 85,000 acre-feet. In 2021, the transfer of water conserved annually by IID to SDCWA was 205,000 acre-feet. With full implementation of the programs identified in the QSA, at times when California is limited to its basic apportionment of 4.4 MAF per year, Metropolitan expects to be able to annually divert to its service area approximately 900,000 acre-feet of Colorado River water plus water from other water augmentation programs it develops, including the Palo Verde Irrigation District (PVID) program, which provides up to approximately 133,000 acre-feet of water per year.

Distribution System

All water transport facilities not specifically identified as part of the regional conveyance system are considered part of the distribution facilities (Distribution System). While conveyance and aqueduct system components are regional in nature and do not link directly to local agency distribution systems, Distribution System facilities do ultimately connect to local agency systems. As a result, these facilities rely on conveyance and aqueduct facilities to import water from regional supply sources. The Distribution System is a complex network of facilities which routes water from the SWP and CRA to storage reservoirs and treatment plants within Metropolitan's member agencies and also to the member agencies. Beginning at the terminal delivery points of the CRA and SWP, Metropolitan's Distribution System includes approximately 775 miles of pipelines, feeders, and canals. The Distribution System includes components dating from the 1930's up to the present day, as shown in Figure 6. Distribution System operations are coordinated from the Operations Control Center in Eagle Rock. The control center plans, schedules, and balances daily water operations in response to member agency demands and the operational limits of the system as a whole. Metropolitan's storage and treatment facilities augment the Distribution System. Metropolitan operates and maintains separate untreated and treated distribution facilities.

Figure 6: Metropolitan's Distribution System

¹ Figure includes Colorado River Aqueduct and Inland Feeder which are part of the Conveyance and Aqueduct Facilities.

Storage Facilities

Existing imported water storage available to the region consists of Metropolitan's raw water reservoirs, a share of the SWP's raw water reservoirs in and near the service area, and the portion of the groundwater basins used for conjunctive-use storage. Figure 7 shows the geographical location of Metropolitan's major storage facilities. Table 6 lists surface water storage facilities owned and operated by Metropolitan. With some limitations, these reservoirs can be used to help meet the region's water storage requirements. Total storage capacity currently available to Metropolitan in these existing reservoirs is about 1,041,830 acre-feet.

Metropolitan's water storage is divided into three categories: emergency, regulatory, and drought carryover storage. Emergency storage capacity is intended to provide the Metropolitan service area with a supply of water in the event of a major regional catastrophe isolating Southern California from its imported water supplies. Regulatory storage requirements are based on historical reservoir cycling and known cycling targets intended to meet the delivery schedules of the member agencies. Drought carryover storage is intended to prevent water shortages during dry years and is evaluated using computer simulation models, incorporating historic hydrologic data, projections of future demand, and information on currently available storage levels.

644,000 AF, based on the availability at the reservoirs and need of all State Water Contractors with access to the reservoirs.

Under a conjunctive-use groundwater program, groundwater basins are used to store imported supplies during years when water is abundant. The stored water is then used during shortages and emergencies, reducing demand on imported supplies. Consequently, groundwater conjunctive use enables member agencies to better capture surplus surface flows Metropolitan receives from the SWP and the CRA and reduces demand that would otherwise be placed on Metropolitan's system during dry periods.

Treatment Plants

In addition to raw water supply, Metropolitan provides treated water to supplement the potable water needs of its member agencies. Table 7 identifies Metropolitan's water treatment plants and related design capacities.

Metropolitan's Water Treatment Plants

Table 7: Water Treatment Plants

Water Treatment Plants	Design Capacity (cfs)
Diemer Filtration Plant	803
Jensen Filtration Plant	1,163
Mills Filtration Plant	341
Skinner Filtration Plant	543
Weymouth Filtration Plant	803
Total	3,652

Metropolitan's water treatment plants are listed in Table 7 and shown geographically in Figure 8. More than 60 percent of Metropolitan's demand for supplemental treated water is located in a region of the service area referred to as the "Central Pool". Agencies located partially or entirely within the Central Pool include Los Angeles, Orange, and Ventura Counties. Three existing Metropolitan treatment plants serve the Central Pool's treated water needs:

- The Jensen plant in Granada Hills;
- The Weymouth plant in La Verne; and
- The Diemer plant in Yorba Linda.

While some areas of the Central Pool receive treated water from one plant, the three plants together also jointly produce water for a common area of the Central Pool referred to as the "Common Pool". The Mills plant and the Skinner plant do not produce water for the Common Pool but serve areas in the eastern part of Metropolitan's service area.

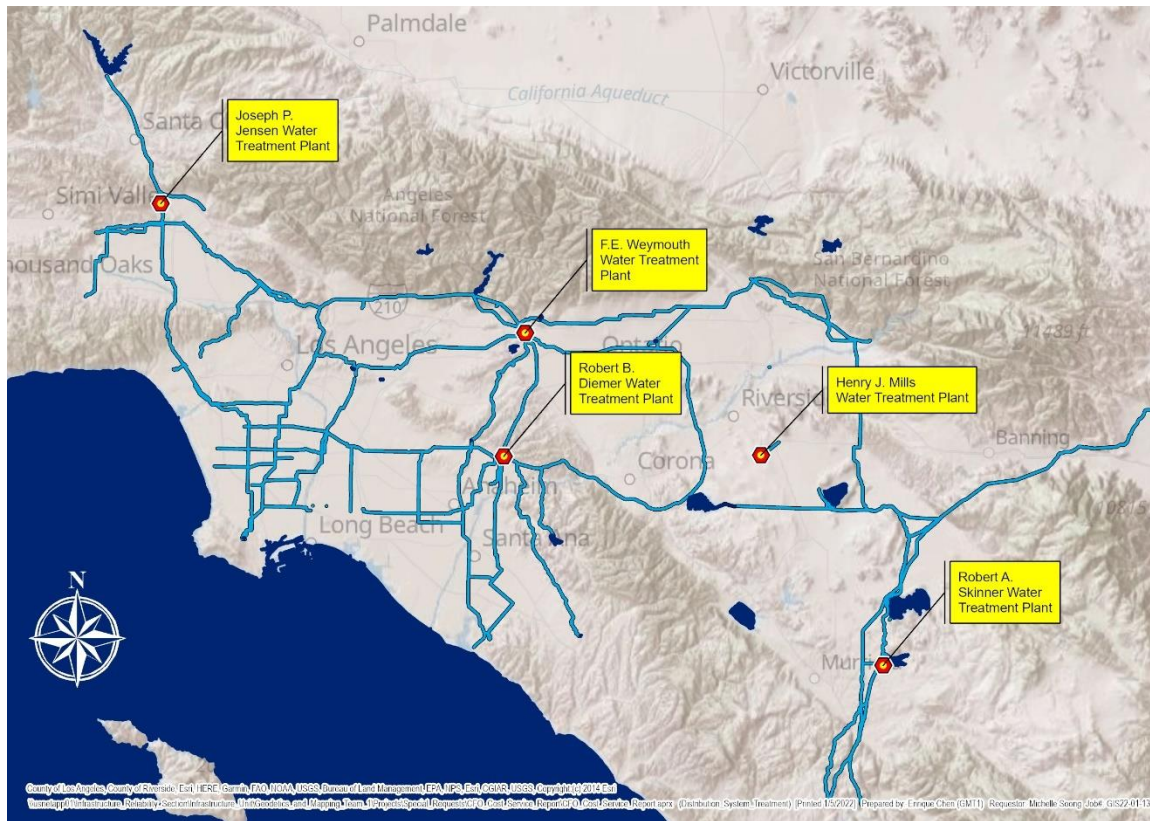
Figure 8: Metropolitan's Treatment Plants' Geographical Location

Table 8 shows Metropolitan's treated and untreated water transactions by member agency for FY 2020/21. Approximately 50 percent of Metropolitan's water transactions in FY 2020/21 were treated.

Table 8: Treated and Untreated Water Transactions by Member Agency, FY 2021

Acre-Feet^{1, 2}

Agency	Treated (AF)	Untreated (AF)	Total (AF)
Anaheim	28,353	13,611	41,964
Beverly Hills	9,784	-	9,784
Burbank	4,449	5,472	9,920
Calleguas	94,351	-	94,351
Central Basin	25,529	-	25,529
Compton	2	-	2
Eastern	65,641	27,133	92,773
Foothill	9,733	-	9,733
Fullerton	6,947	-	6,947
Glendale	16,183	-	16,183
Inland Empire	-	71,347	71,347
Las Virgenes	21,153	-	21,153
Long Beach	22,387	-	22,387
Los Angeles	78,233	238,305	316,538
MWDOC	107,923	32,635	140,558
Pasadena	21,297	-	21,297
San Diego	52,886	284,939	337,825
San Fernando	-	-	-
San Marino	738	-	738
Santa Ana	7,738	-	7,738
Santa Monica	5,603	-	5,603
Three Valleys	35,838	27,861	63,699
Torrance	14,341	-	14,341
Upper San Gabriel	5,146	54,895	60,041
West Basin	109,101	-	109,101
Western	46,064	27,503	73,567
Total	789,416	783,701	1,573,117

¹ Water Transactions include sales, exchanges, and wheeling.

² Water Transactions are based on occur period.

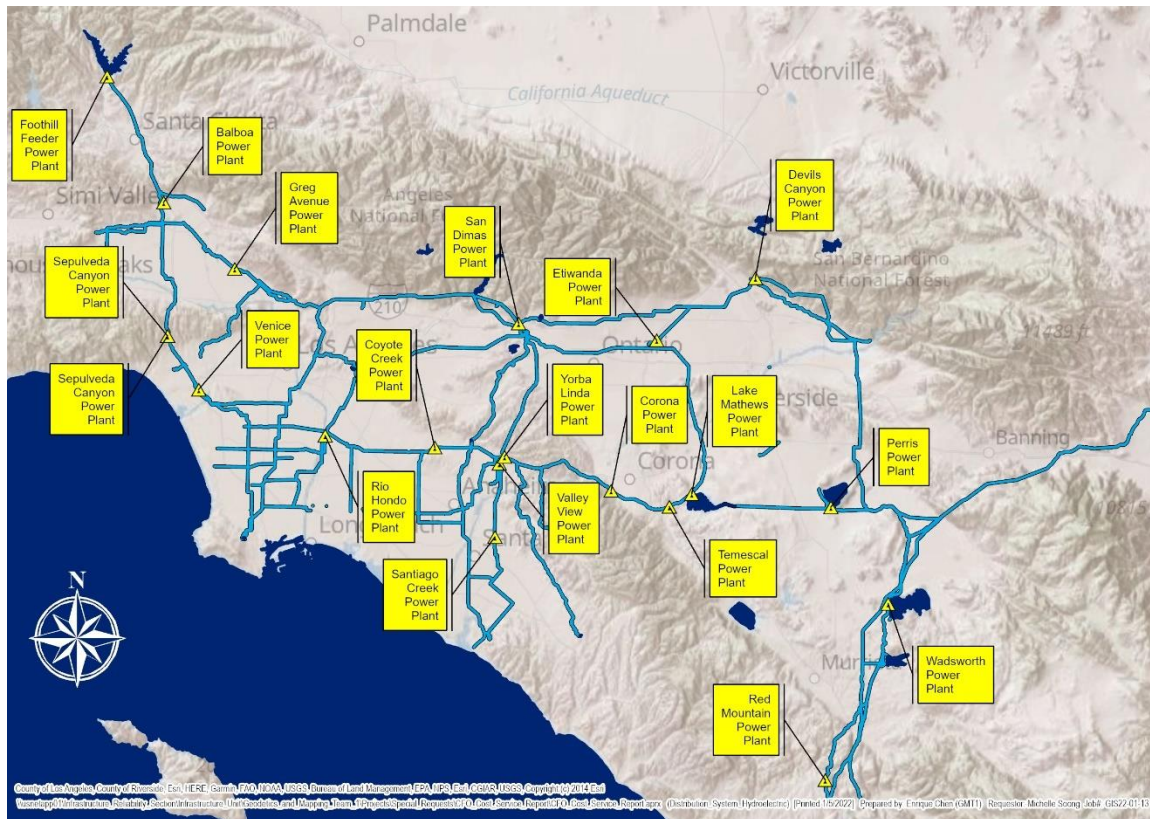
Hydroelectric Facilities

Metropolitan's Distribution System has 16 small hydroelectric plants located throughout the service area. The plants are located in Los Angeles, Orange, Riverside, and San Diego Counties as shown in Figure 9. The combined generating capacity of these plants and the generating capacity at Diamond Valley Lake (DVL) are approximately 130 megawatts. Depending upon annual water deliveries, projected annual income for the next several years is expected to range between \$11 million and \$13 million.

Power from four of the plants is sold to DWR at a contract rate. Power from four plants is sold to the Southern California Public Power Authority based on a contract rate. Power generation from the Sepulveda Canyon Plant is sold to the Los Angeles Department of Water and Power based on a contract rate. Power from the Etiwanda Power Plant has been sold to the Pacific Gas and Electric Company based on contract rates. Power generated by DVL and the remaining four plants are sold into the wholesale market, while the resource adequacy attributes are retained by Metropolitan to serve the CRA Bulk Electric System resource adequacy requirements.

Electricity generated by Metropolitan hydroelectric facilities is sold rather than used internally because of the costs and inefficiencies that would be associated with building an internal electric distribution network for transmitting the electricity throughout the Metropolitan system. The costs associated with contracting for such transmission services from others would be similarly prohibitive.

Figure 9: Metropolitan's Hydroelectric Facilities



DEVELOPMENTS

Today, Metropolitan finds that its challenges and goals are evolving. The Board of Directors in the 1990s was deeply concerned with member agencies relying too much on importing supplies from Northern California and the Colorado River. Programs to regionalize conservation efforts and to incentivize new local supplies such as the LRP were developed. This approach was developed through regional long-term planning via Metropolitan's Integrated Water Resources Plan (IRP) initiated in 1996.

Today, there is a shifting water landscape. Population growth and water demands, in large part due to tremendous strides in water use efficiency, are far less than once predicted. Metropolitan's water transactions, which include sales, exchanges, and wheeling, in fiscal year 2019 were the lowest in nearly 40 years. A new generation of larger local supply projects are in the planning stages.

Delivery of imported supplies will always be a foundation to meet ongoing regional demands, even with climate change, and importantly so will storage of imported water for droughts and emergencies. Given fluctuations in the availability of water resources, maintaining and enhancing system flexibility is a priority for Metropolitan. The evolving mix of Southern California's future water portfolio is still to be determined and will be impacted by future policies and decisions made by Metropolitan's Board.

Delta Conveyance

Within the region's water portfolio, supplies from the SWP remain an essential baseline water source for Southern California. Water from Northern California delivered through the SWP has provided key supplies in wet years to manage against dry years, and it is the only imported supply that can physically reach significant portions of Metropolitan's service area. This water source faces uncertainties due to climate change and the Delta's badly outdated delivery system; these problems are compounded by a declining ecosystem and 1,100-mile levee systems that are increasingly vulnerable.

California WaterFix was a comprehensive science-based solution proposed by the state to modernize critical water delivery infrastructure of the SWP. The California WaterFix proposed construction of new water intakes in the north Delta and two 40-foot diameter tunnels under the Delta terminating at a forebay in the south Delta. This would have fulfilled the requirement of the 2009 Delta Reform Act to contribute toward meeting the coequal goals of more reliably delivering water for California and protecting, restoring and enhancing the Delta ecosystem.

On April 29, 2019, Governor Newsom issued an executive order directing State agencies to develop a comprehensive statewide strategy to build a climate-resilient water system that included consideration of a single-tunnel Delta conveyance facility instead of the approved two-tunnel WaterFix project. In light of this order, DWR and the State Water Contractors deleted the WaterFix cost provisions from the current amendment process leaving only the water management provisions and embarked on a new public process to further negotiate proposed amendments related to cost allocation for a potential new Bay-Delta conveyance project. **As a result, the costs of any such new project are yet unknown and Metropolitan's projected up to \$10.8 billion costs for California WaterFix are no longer included in its current or future budgeting or projections.**

Consistent with the Governor's direction, the formal environmental review process for a proposed single tunnel Delta Conveyance Project commenced with the issuance by DWR of a Notice of Preparation under CEQA on January 15, 2020. Planning, environmental review and conceptual design work by DWR is expected to be completed in the 2023-2024 timeframe. The Proposed Biennial Budget includes Metropolitan's planned contribution of \$99.0 million for Delta conveyance project planning activities. This contribution follows Board policy that staff work with the State to find solutions to improve Delta conveyance. The focus over the FYs 2022/23 and 2023/24 Cost of Service Report

next two years will be supporting the DWR as it seeks permits for a Delta conveyance project; participating in the Delta Conveyance Design and Construction Authority; and continuing to put forward sound scientific research to help inform and improve Delta management decisions. If staff determines that Metropolitan's appropriate contribution toward planning activities should exceed the budgeted amount, the General Manager will request authorization from the Board for additional funding. Additionally, the Board will separately consider Metropolitan's participation in a new Delta conveyance project once that proposed project is finalized by DWR. Information regarding the Delta conveyance project is located on Metropolitan's website at <https://www.mwdh2o.com/planning-for-tomorrow/securing-our-imported-supplies/delta-conveyance/>.

Regional Recycled Water Program

The Regional Recycled Water Program (RRWP), is a partnership between Metropolitan and the Sanitation Districts of Los Angeles County. In November 2020, Metropolitan's Board voted to proceed with the Environmental Planning Phase of the Program. This work will prepare the documentation needed for future Board approval of the Program Environmental Impact Report. As it has since its completion in 2019, the RRWP's demonstration facility will produce approximately 500,000 gallons per day and will continue to be operated to generate information needed for regulatory approval and to increase the efficiency of the treatment processes that may be used in a potential full-scale recycled water facility. The potential full-scale project, viewed as a potential third source of water for Metropolitan, would provide a reliable, drought-proof, climate-resilient, local supply for indirect potable reuse (IPR) through groundwater basin recharge, direct potable reuse (DPR) through raw water augmentation at Metropolitan's treatment plants, and direct industrial use. If approved, the full-scale project will produce 150 million gallons per day (mgd), or approximately 168,000 acre-feet (AF) per year (AFY), of purified water.

Construction of the 0.5 mgd advanced water treatment demonstration plant was approved in 2017 and was completed in August 2019. Testing and operation of the plant began in October 2019 to confirm treatment costs and provide the basis for regulatory approval of the proposed treatment process and technical recommendations concerning design, operation, and optimization of the full-scale RRWP. The initial phase of testing is scheduled for completion in 2021 with future testing phases planned that will form the basis for the design, operation and optimization of, and will inform Metropolitan's Board decision whether to move forward with, a full-scaled advanced water treatment facility. **The Board has not yet committed to a full-scale project; however, the planning costs for the backbone system of the RRWP is included in the Biennial Budget in the order of approximately \$20 million over the biennial period.** Metropolitan has secured partners in the Southern Nevada Water Authority and Central Arizona Project who have each committed to pay a portion of the planning costs of the project and executed Memorandum of Understandings with Metropolitan to document their commitment to the program's success. Information regarding the RRWP is located on Metropolitan's website at <https://www.mwdh2o.com/planning-for-tomorrow/building-local-supplies/regional-recycled-water-program/>.

2020 IRP Update

The IRP is a plan for providing reliable and affordable water to Southern California for the next 25 years, from its inception in 1996 and then from regular updates, most recently in 2015. It broadly identifies and aligns regional and local needs, priorities, resources and opportunities, both in the scale of actions and in their timing. The emphasis is on its broad collaborative approach to planning.

Each IRP sets important targets for actions such as developing local supply, water use efficiency, or average-year expectations from the Colorado River and the SWP. It does not signal that Metropolitan will build or pay for any specific initiative or project to meet those targets, nor does it assume any particular local supply project will be funded or constructed. The IRP is a method for setting targets and reassessing them approximately every five years along with the Urban Water Management Plan.

Metropolitan is preparing to finalize the 2020 IRP Update in early 2022 and initiate the IRP Implementation Plan shortly thereafter. During this update Metropolitan's Board will be faced with deciding the vision for Metropolitan's second century – to provide service at reduced levels of demand and provide resilient operations through variable hydrology. This vision will help drive the direction of the 2020 IRP Update as well as many other decisions.

Rate Structure Review

Since its creation Metropolitan has shifted from receiving the bulk of its revenues from a single source, ad valorem property taxes, to a mix of fixed charges and volumetric rates. This shift took place over decades for numerous reasons, including the availability of water to deliver to Metropolitan's member agencies. Currently about 80 percent of Metropolitan's revenues come from the volumetric rates and the remaining 20 percent comes from fixed sources such as the fixed charges, ad valorem property taxes, and miscellaneous revenue sources including interest income, hydroelectric power sales, leases and grant funding.

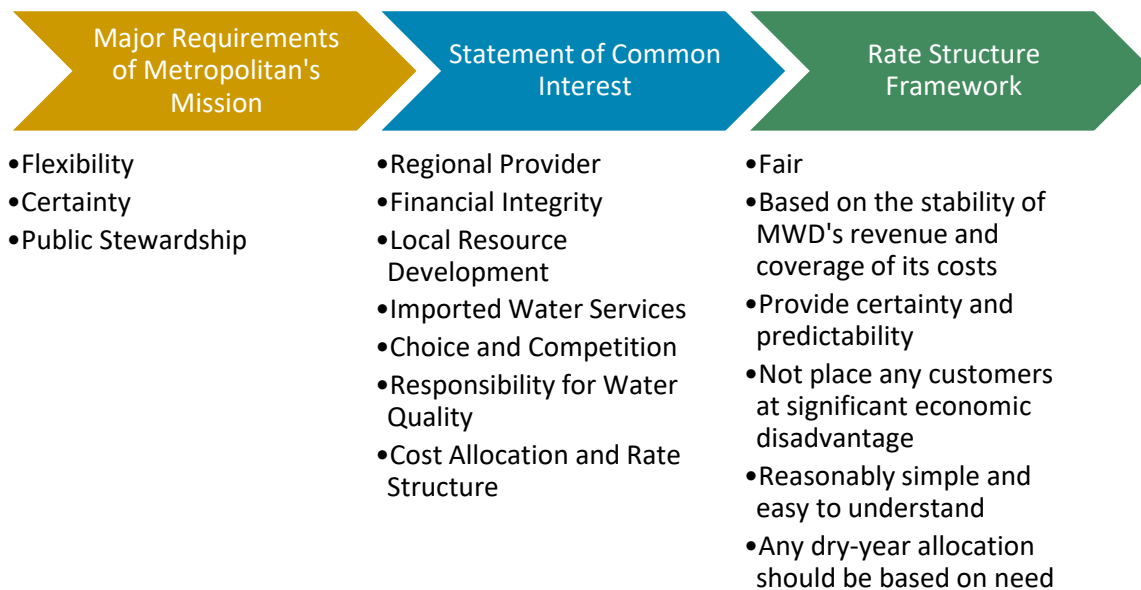
Member agencies' purchases and use of Metropolitan's system have always varied for many reasons, with member agencies able to call on Metropolitan's services at various levels from year to year. Because Metropolitan's deliveries to its member agencies have generally remained consistent on a long-term basis (as opposed to year-to-year), the volumetric revenue base has provided consistent necessary revenue for Metropolitan. **However, if through the IRP process and strategic planning, the Board determines that reliance on Metropolitan will be less consistent, then the current rate structure may not be consistent with that role.** Any changes to the rate structure should seek to maintain a structure that is sustainable for the long-term and remains equitable to Metropolitan's member agencies throughout the service area.

RATE STRUCTURE

Framework

The Rate Structure Framework evolved through a comprehensive strategic planning process initiated in 1998. As depicted in the following figure, the first step of the process was to identify the “Major Requirements of Metropolitan’s Mission,” which was reflected in the Strategic Plan Policy Principles. The Statement of Common Interests formed the basis of Metropolitan’s strategic plan to address these mission requirements. One of the most important common interests was “Cost Allocation and Rate Structure.” In determining the most appropriate Cost of Service (COS) and rate structure, a set of pricing objectives, or guiding rate principles, was developed. These guiding rate principles defined Metropolitan’s Rate Structure Framework by which various COS and rate-setting methodologies could be evaluated.

Development of the Rate Structure Framework



The strategic planning process which established the foundation of the Rate Structure Framework is discussed below.

Major Requirements of Metropolitan’s Mission

As one of the first steps in the strategic planning process in 1998, the Board developed a list of three mission requirements in its Metropolitan vision statement – flexibility, certainty, and public stewardship, which it described as:

- **Flexibility.** Metropolitan is aware of the legislative and economic pressures which make flexibility in providing water services for a changing demand and in a competitive water market paramount. Fair compensation for wheeling through Metropolitan’s conveyance systems is an essential element of Southern California’s developing market.

- **Certainty.** The certainty that Metropolitan's water supply is reliable, and that the COS is appropriate is of utmost importance to member agencies and their retailers who are endeavoring to provide not only water, but value to the residents in their service area.
- **Public Stewardship.** As public stewards of much of Southern California's water supply, Metropolitan and its member agencies are responsible for making certain that the water is provided in a cost-effective and environmentally sound manner.

Statement of Common Interests

From the strategic planning mission requirements, the Board developed a list of seven areas of common interest that formed the major focus elements of the Metropolitan strategic plan, described as:

- **Regional provider.** This area includes the concerns of protecting regional infrastructure and providing service during drought periods. Regional water must be provided to meet the needs of the member agencies, and water supplies must be equitably allocated during drought periods based on the Water Surplus and Drought Management Plan principles.
- **Financial integrity.** It is a common interest of the members for Metropolitan to assure the financial integrity of the agency in all aspects of its operations.
- **Local resource development.** Metropolitan supports local resources development by working in partnership with its member agencies and by providing member agencies with financial incentives for water conservation and for local projects.
- **Imported water service.** Metropolitan is responsible for providing imported water to meet the committed needs of its member agencies.
- **Choice and competition.** After Metropolitan provides imported water for the member agencies' committed demands, a member agency can choose the most cost-effective additional water supplies for its customers. These choices include either Metropolitan, local resource development, market transfers, or some combination of these secondary options. Metropolitan and its member agencies can decide how to provide these additional supplies collaboratively while balancing local, imported, and market opportunities with affordability.
- **Responsibility for water quality.** Metropolitan must advocate for source water quality and implement in-basin water quality for the imported water it supplies. This is necessary to guarantee compliance with primary drinking water standards and to meet the water quality requirements for water recycling and ground water replenishment.
- **Cost allocation and rate structure.** The framework for a revised rate structure will be established to address allocation of costs, financial commitment, unbundling of services, and fair compensation for services including wheeling, peaking, growth, and others.

Rate Structure Framework

A major element of common interest was "*Cost Allocation and Rate Structure.*" In addressing this element, a set of pricing objectives, or guiding rate principles, had to be developed to evaluate alternative COS and rate setting approaches, or methodologies. As a result, the Board adopted a set of rate principles which was defined as the *Rate Structure Framework*. The Rate Structure Framework provided the principles for the Strategic Planning Steering Committee to develop a preferred rate structure. The Rate Structure Framework includes the following principles:

- The rate structure should be *fair*;
- It should be based on the *stability* of Metropolitan's revenue and coverage of its costs;
- It should provide certainty and predictability;

- It should not place any customers at *significant economic disadvantage*;
- It should be reasonably *simple and easy to understand*; and
- Any dry-year allocation should be *based on need*.

The 2001 COS and rate structure was adopted by the Board to address the Rate Structure Framework. That COS process and rate structure remain today, with the exception of recent modifications by the Board. First, in August 2020, the Board repealed the pre-set wheeling rate for short-term wheeling service to member agencies. As a result, charges for short-term wheeling to member agencies is now subject to contractual negotiations on a case-by-case basis, as has been the case with long-term wheeling arrangements for member agencies, all wheeling for third parties, and all exchange transactions. In December 2019, the Board directed staff (1) to incorporate the 2019/20 fiscal-year-end balance of the Water Stewardship Fund to fund all demand management costs in the proposed FYs 2020/21 and 2021/22 Biennial Budget; and (2) to not incorporate the Water Stewardship Rate, or any other rate or charge to recover demand management costs, with the proposed rate and charges for CYs 2021 and 2022. In November 2021, the Board directed staff to allocate all demand management costs to Metropolitan's supply rate elements, and no Water Stewardship Rate or other demand management recovery charge is included in the rate structure after 2022.

Rate Structure Design

The elements of the rate structure are summarized in Table 9 below, along with the current amounts for rates and charges effective in the current calendar year 2022:

Table 9: Rate Elements, Calendar Year 2022

Rate Design Elements	Functional Costs Recovered	Type of Charge	Rate or charge effective January 1, 2022
Tier 1 Supply Rate	Supply, Drought Storage	Volumetric (\$/af)	\$243
Tier 2 Supply Rate	Tier 1 Supply costs, plus cost of transfers from north of the Delta	Volumetric (\$/af)	\$285
System Access Rate	Conveyance/Distribution (Average Capacity), portion of Regulatory/Emergency Storage	Volumetric (\$/af)	\$389
Water Stewardship Rate (incorporated in Supply Rates after 2022)	Demand Management	Volumetric (\$/af)	\$-
System Power Rate	Power on CRA and SWP	Volumetric (\$/af)	\$167
Treatment Surcharge	Treatment	Volumetric (\$/af)	\$344
Capacity Charge	Peak Distribution Capacity, portion of Regulatory Storage	Fixed (\$/cfs)	\$12,200
Readiness-to-Serve Charge	Available Conv. & Dist. Capacity, Emergency Storage	Fixed (\$M)	\$140

Supply Rates

Purpose

The rate structure recovers supply costs through a two-tiered price structure. The amount of water a member agency may purchase at a lower Tier 1 Supply Rate (water sales within a member agency's Tier 1 maximum) is established by either a purchase order agreement or calculated as 60 percent of its Revised Base Firm Demand.

Tier 1 Supply Rate

The Tier 1 Supply Rate is a volumetric rate charged on Metropolitan's water sales that are within a member agency's Tier 1 maximum. The Tier 1 Supply Rate supports a regional integrated approach through the uniform, postage stamp rate. The Tier 1 Supply Rate is calculated as the amount of the total revenue requirement functionalized as supply divided by the estimated amount of Tier 1 water sales. Per Board direction in December 2021, all demand management costs are now functionalized as supply and collected on the Tier 1 and Tier 2 supply rates.

The Supply Rate includes the costs of supply programs and demand management.

Tier 2 Supply Rate

The Tier 2 Supply Rate is a volumetric rate that reflects the costs of Tier 1 and Metropolitan's cost of purchasing water transfers north of the Delta. The Tier 2 Supply Rate is charged on Metropolitan water sales that exceed a member agency's Tier 1 maximum. The higher costs reflected in the Tier 2 Supply Rate encourages the member agencies and their customers to maintain existing local supplies and develop cost-effective local supply resources and conservation. Per Board direction in December 2021, all demand management costs are now functionalized as supply and collected on the Tier 1 and Tier 2 supply rates.

Implementation

Because the Tier 1 maximum is set at a total member agency level and not at a meter level, all system water delivered will be billed at the Tier 1 Supply Rate. Any water delivered that exceeds the Tier 1 maximum will be billed an additional amount equivalent to the difference between the Tier 2 and Tier 1 Supply Rates.

For member agencies without purchase orders and member agencies with purchase orders that accrue a cumulative Tier 2 obligation at the end of year five of the purchase order, the Tier 2 Supply Rate will be applied in the month where the Tier 1 maximum is surpassed on all applicable deliveries. Otherwise, any obligation to pay the Tier 2 Supply Rate will be calculated over the ten-year period, consistent with the calculation of any purchase order commitment obligation.

System Access Rate (SAR)

Purpose

The SAR recovers the costs of Conveyance, Distribution, and Storage that is used on an average annual basis through a uniform, volumetric rate. All member agencies pay the SAR for the conveyance and distribution capacity associated with deliveries of full-service water.

Implementation

The SAR is charged for each acre-foot of water transported by Metropolitan to its member agencies and delivered as a full-service water transaction.

System Power Rate (SPR)

Purpose

The SPR recovers the costs of energy required to pump water to Southern California through the SWP and CRA. The cost of power is recovered through a uniform, volumetric rate.

Implementation

The SPR is applied to all deliveries of Metropolitan water to member agencies.

Treatment Surcharge

Purpose

The Treatment Surcharge recovers all costs of providing treatment capacity and operations through a uniform, volumetric rate per acre-foot of treated water transactions.

Implementation

The Treatment Surcharge is charged on all treated water transactions.

Capacity Charge

Purpose

The Capacity Charge recovers the costs incurred to provide peak capacity within the Distribution System. The Capacity Charge also provides a price signal to encourage agencies to reduce peak demands on the Distribution System and to shift demands that occur during the May 1 through September 30 period into the October 1 through April 30 period, resulting in more efficient utilization of Metropolitan's existing infrastructure and deferring capacity expansion costs.

Implementation

Each member agency will pay the Capacity Charge per cubic feet per second (cfs) based on a three-year trailing peak (maximum) day demand, measured in cfs. Each member agency's peak day is likely to occur on different days; therefore, this measure approximates peak week demands on Metropolitan.

Readiness-To-Serve Charge (RTS)

Purpose

The RTS recovers the cost of the portion of system that is available to provide emergency service and available capacity during outages and hydrologic variability.

Implementation

The RTS is a fixed charge that is allocated among the member agencies based on a ten-fiscal-year rolling average of firm demands. Water transfers and exchanges are included for purposes of calculating the ten-year rolling average³. The Standby Charge is collected at the request of some member agencies that have elected to use the charge as a direct offset to the member agency's RTS obligation.

³ The SDCWA exchange water transactions are excluded from the calculation of the ten-year rolling average per the terms of the parties' exchange agreement.

Purchase Order Option

Purpose

The current rate structure allows member agencies to choose to purchase water from Metropolitan by means of a Purchase Order. Purchase Orders are voluntary agreements that determine the amount of water that a member agency can purchase at the Tier 1 Supply Rate. They allow member agencies to purchase a greater amount of water at the lower Tier 1 Supply Rate than would otherwise be authorized by the Administrative Code. In exchange for the higher Tier 1 Maximum, the member agency commits to purchase a specific amount of water (based on past purchase levels) over the term of the agreement. Such agreements allow member agencies to manage costs and provide Metropolitan with a measure of secure revenue.

In November 2014, the Metropolitan Board approved new Purchase Orders effective January 1, 2015 through December 31, 2024 (the "Purchase Order Term"). Twenty-one of the twenty-six-member agencies have Purchase Orders, which commit the member agencies to purchase a minimum amount of supply from Metropolitan (the "Purchase Order Commitment").

The key terms of the Purchase Orders include:

- A ten-year term, effective January 1, 2015 through December 31, 2024;
- A higher Tier 1 limit based on the Base Period Demand, determined by the member agency's choice between (1) the Revised Base Firm Demand, which is the highest fiscal year purchases during the 13-year period of fiscal year 1989/90 through fiscal year 2001/02, or (2) the highest year purchases in the most recent 12-year period of fiscal year 2002/03 through 2013/14. The demand base is unique for each member agency, reflecting the use of Metropolitan's system water over time;
- An overall purchase commitment by the member agency equal to the Demand Base period chosen, multiplied by ten to reflect the ten-year Purchase Order term. Those agencies choosing the more recent 12-year period may have a higher Tier 1 Maximum and commitment. The commitment is also unique for each member agency.
- The opportunity to reset the Base Period Demand using a five-year rolling average;
- Any obligation to pay the Tier 2 Supply Rate will be calculated over the ten-year period, consistent with the calculation of any Purchase Order commitment obligation; and
- An appeals process for agencies with unmet purchase commitments that will allow each acre-foot of unmet commitment to be reduced by the amount of production from a local resource project that commences operation on or after January 1, 2014.

Member agencies that do not have Purchase Orders in effect are subject to Tier 2 Supply Rates for amounts exceeding 60 percent of their base amount (equal to the member agency's highest fiscal year demand between 1989/90 and 2001/02) annually.

Implementation

Purchase Order Commitments are unique for each member agency. The commitment is calculated based on the demand base chosen (the "Base Period Demand") and multiplied by ten to reflect the ten-year Purchase Order Term. If a member agency opted to use the Revised Base Firm Demand, which is the highest fiscal year purchases during the original 13-year period of fiscal year 1989/90 through fiscal year 2001/02 for their Purchase Order, their Commitment is 60 percent of the 2003 Initial Base Firm Demand, the same as the previous Amended and Restated Purchase Order agreement, multiplied by ten. If a member agency opted to use the more recent 12-year period of fiscal year 2002/03 through fiscal year 2013/14 for their Purchase Order, their Commitment is 60 percent of the highest year in the period of fiscal year 2002/03 through fiscal year 2013/14, multiplied by ten. The Purchase Order Commitment is fixed for the Purchase Order Term.

At the end of the Purchase Order Term, if the member agency has not purchased enough firm supply to meet its Purchase Order Commitment, it will be billed for the remaining balance of the Purchase Order Commitment at the average of the Tier 1 Supply Rate in effect during the Term. This payment may be prorated with interest evenly over the next 12 invoices.

If a member agency fulfills its Purchase Order Commitment prior to the end of the Purchase Order Term, then the member agency has met its obligation under the Purchase Order. The member agency may continue to purchase up to 90 percent of its cumulative Base Period Demand over the Term at the Tier 1 Supply Rate for the duration of the Purchase Order Term.

Firm water purchases made under the terms of the Purchase Order agreements are subject to reduction in accordance with the shortage allocation provisions of the Water Surplus and Drought Management Plan (WSDM Plan) implemented through the Water Supply Allocation Plan (WSAP). In the event that Metropolitan's Board or General Manager determines to reduce, interrupt or suspend deliveries of water, any outstanding balance of the Purchase Order Commitment at the end of the Term will be reduced by the "Purchase Order Commitment—Annual Average" for each and every fiscal or calendar year that a reduction, interruption or suspension occurred. The original Purchase Order Commitment was reduced by 10 percent due to the WSAP implantation in FY 2015/16.

The following water transactions will be counted toward the Purchase Order Commitment:

- Full-service sales (Tier 1 or Tier 2 Supply Rates) of treated or untreated water
- Conjunctive Use sales
- Cyclic sales.

The current bundled full-service costs are shown in Table 10.

Table 10: Bundled Full-Service Costs⁴

Rate Type	Type of Charge	Rate or charge effective January 1, 2022
Tier 1 Full-Service Untreated Cost	Volumetric (\$/af)	\$799
Tier 2 Full-Service Untreated Cost	Volumetric (\$/af)	\$841
Tier 1 Full-Service Treated Cost	Volumetric (\$/af)	\$1,143
Tier 2 Full-Service Treated Cost	Volumetric (\$/af)	\$1,185

The Tier 1 Full-Service Untreated Cost consists of the following rate elements: The Tier 1 Supply Rate, the System Access Rate, the System Power Rate, and the Water Stewardship Rate (currently set at \$0).

The Tier 2 Full-Service Untreated Cost consists of the following rate elements: The Tier 2 Supply Rate, the System Access Rate, the System Power Rate, and the Water Stewardship Rate (currently set at \$0).

The Tier 1 Full-Service Treated Cost consists of the following rate elements: The Tier 1 Supply Rate, the System Access Rate, the System Power Rate, the Water Stewardship Rate (currently set at \$0), and the Treatment Surcharge.

The Tier 2 Full-Service Treated Cost consists of the following rate elements: The Tier 2 Supply Rate, the System Access Rate, the System Power Rate, the Water Stewardship Rate (currently set at \$0), and the Treatment Surcharge.

⁴ Nineteen of Metropolitan's member agencies have invoices prepared using bundled rates; seven of Metropolitan's member agencies have invoices prepared using the unbundled rate elements.

COST OF SERVICE

A cost of service (COS) report contains analysis of costs using a methodology to equitably allocate the revenue requirements of a utility between the various users of service. Costs of operating a utility are not accounted for on a specific user or service basis. Many costs are incurred for the joint benefit of all users, while other costs may benefit only the users of certain services. Metropolitan uses the COS methodology to functionalize, allocate and distribute costs to services provided. The unbundled rate structure is used to collect revenue based on the services provided to different member agencies and contractual arrangements. Metropolitan provides full-service water (treated and untreated) to its member agencies. Exchanges, wheeling, and other arrangements are provided on a contractual basis.

AWWA Guidelines

The American Water Works Association (AWWA) is the professional association which, among other functions, identifies water industry standards for financial management and rate-setting practices. AWWA publishes a document on these topics in its Manual of Water Supply Practices series, which is the AWWA's M1, Principles of Water Rates, Fees, and Charges, Seventh Edition.

AWWA manual M1 Seventh Edition delineates a number of guidelines and principles that are intended to be observed in the broad development of cost of service and rate setting steps⁵. The COS process reflects the M1 Seventh Edition guidelines and principles, which were carefully considered in the conceptual design of the Metropolitan COS. Major AWWA guidelines and principles considered in the proposed COS approach are outlined below.

- One of the most effective methods used to accommodate the impact of rapidly increasing costs on rate design is the use of a "forward looking" or prospective rate period. This procedure is frequently used by government-owned utilities in determining cost of service. Metropolitan's COS follows this approach by incorporating budget data for upcoming fiscal years, using projected debt service and State Water Contract payment obligation data, and applying annual escalation factors to operations and maintenance costs.
- The purpose of performing functional assignment of costs is to express the utility's cost of service in terms that make it possible to allocate and then distribute costs to services in accordance with the costs of serving each class of customer, or in Metropolitan's case, each function type. In keeping with AWWA recommendations, the functional assignment and commodity/demand allocation modules of the COS allow identification of functional cost components at a level that allows the unbundling of Metropolitan's rates.
- The cash-needs approach, which develops the revenue requirements for a utility based on total estimated cash expenditures for a time period, is one of two methodologies endorsed by AWWA principles and is frequently used by government-owned utilities. The COS's revenue requirements module is consistent with this approach.
- In areas where seasonal usage patterns impose significant demands and ultimately costs on the utility, consideration may be given to separate charges for such use. System costs associated with accommodating seasonal use may be recovered either through rates applied to separate metering for

⁵ The majority of the M1 Seventh Edition is written for utilities providing retail service or combined retail and wholesale service. The distinction in practices for wholesale-only utilities is indirect; care must be taken to be attuned to these distinctions such that the guidelines are not incorrectly applied or misrepresented.

such services or through charges applied based on seasonal use. This principle is consistent with the conceptual design of the COS's allocation module.

General principles for establishing charges state that:

- Beneficiaries of a service should pay for that service.
- The level of service charges should be related to the cost of providing the service.
- The price of services may be used to change user behavior and demand for the good or service.⁶

The proposed COS process is consistent with these principles.

AWWA's M1 Seventh Edition provides rate-setting objectives as a basis for evaluating water utility rate designs. These objectives have all been considered in the development of the proposed COS process and resulting rates, fees and charges for service⁷.

- Effectiveness in yielding total revenue requirements (full cost recovery).
- Revenue stability and predictability.
- Stability and predictability of the rates themselves from unexpected or adverse changes.
- Promotion of efficient resource use (conservation and efficient use).
- Fairness in the apportionment of total costs of service among the different ratepayers.
- Avoidance of undue discrimination (subsidies) within the rates.
- Dynamic efficiency in responding to changing supply and demand patterns.
- Freedom from controversies as to proper interpretation of the rates.
- Simple and easy to understand.
- Simple to administer.
- Legal and defensible.

It should be noted that there are circumstances in which some of these objectives can be in conflict with each other. For example, competing objectives could be conservation and revenue stability. To incentivize conservation, a utility might develop a rate structure that was 100 percent volumetric. To provide revenue stability, the same utility might develop a rate structure that was 100 percent fixed. Because of such conflict potential, all AWWA pricing objectives must be carefully balanced when selecting a preferred COS and rate setting approach.

Cost of Service

Prior to discussing the specific rates and charges that make up the rate structure, it is important to understand the cost of service process that supports the rates and charges. The AWWA M1 Seventh Edition sets out the steps in the COS process as: (1) identify which costs should be recovered through rates and charges (the revenue requirement); (2) organize costs into operational functions (functionalize); (3) allocate operational function costs on the basis for which the cost was incurred (allocate); and (4) distribute costs to rate elements (distribute). The process acronym is FAD: functionalize, allocate, distribute. The balance of

⁶ Metropolitan's rates reflect the cost of providing its services and the impact of those costs may have an impact on member agencies' conservation and local resource development. Metropolitan invests in demand management, by providing incentives to those conserving and developing local resource projects that reduce the price of those projects for the participants. Those demand management investments lower system costs and reduce the need for Metropolitan to import additional supplies into the service area.

⁷ Manual of Water Supply Practices, M1, Principles of Water Rates, Fees and Charges, American Water Works Association, Seventh Edition, pg.4

this report uses this nomenclature, while tailoring the process to Metropolitan's unique service obligations and member agency needs.

The purpose of sorting Metropolitan's costs in a manner that reflects the type of function (e.g., supply vs. conveyance), the characteristics of the cost (e.g., fixed or variable) and the reason why the cost was incurred (e.g., to meet peak or average demand) is to create logical cost of service "building blocks". The building blocks can then be arranged to design rates and charges with a reasonable nexus between costs and benefits.

Cost of Service Process

The general cost of service process involves the basic steps outlined below.

Step 1 - Development of Revenue Requirements

In the revenue requirement step, the costs that Metropolitan must recover through rates and charges, after consideration of revenue offsets (such as property tax revenue, interest income, and miscellaneous income), are identified. The cash-needs approach, an accepted industry practice for government-owned utilities, has historically been used in identifying Metropolitan's revenue requirements⁸. Although the utility approach would be acceptable under AWWA guidelines, the cash-needs approach was applied for the purposes of this study. All of Metropolitan's costs fall under the broad categories of either Departmental Costs or General District Requirements. Departmental Costs include budgeted items identified with specific departments within Metropolitan. General District Requirements primarily consist of requirements associated with the CRA, SWP, Supply Programs, Demand Management Programs, and capital financing costs. General District Requirements also include reserve fund transfers required by bond covenants and Metropolitan's Administrative Code. Under the cash needs approach, revenue requirements include operating costs and annual requirements for meeting financed capital items (debt service and funding of the CIP from operating revenues).

Step 2 - Functionalization of Costs

To allow for the development of rates that properly reflect the costs of providing different service types (full-service (treated and untreated), revenue requirements should be categorized based on the operational functions associated with each cost. In the functional assignment step, revenue requirements are assigned to different categories based on the operational functions associated with each cost. The functional categories are identified in such a way as to allow the development of logical assignment bases. The functional categories used in this cost of service process include:

- Supply
- Conveyance and Aqueduct
- Storage
- Treatment
- Distribution
- Demand Management
- Administrative and General
- Hydroelectric

These functional assignments reflect the unique functions that Metropolitan undertakes and is consistent with the Strategic Plan Policy Principles. In order to provide more finite functional assignment, many of these functional categories are subdivided into more detailed sub-functions in the COS process. For example, costs

⁸ The primary difference between the two methods is how capital-related costs are approached. The cash-needs approach uses debt service on bonds and capital funded from rates; the utility approach uses depreciation and a return on Rate Base or Investment.

for the Supply and Conveyance and Aqueduct (C&A) functions are further subdivided into the sub-functions SWP, CRA, and Other. Similarly, costs in the Storage function are broken down into the sub-functions Emergency Storage, Drought Carryover Storage, and Regulatory Storage.

Step 3 - Allocation of Costs

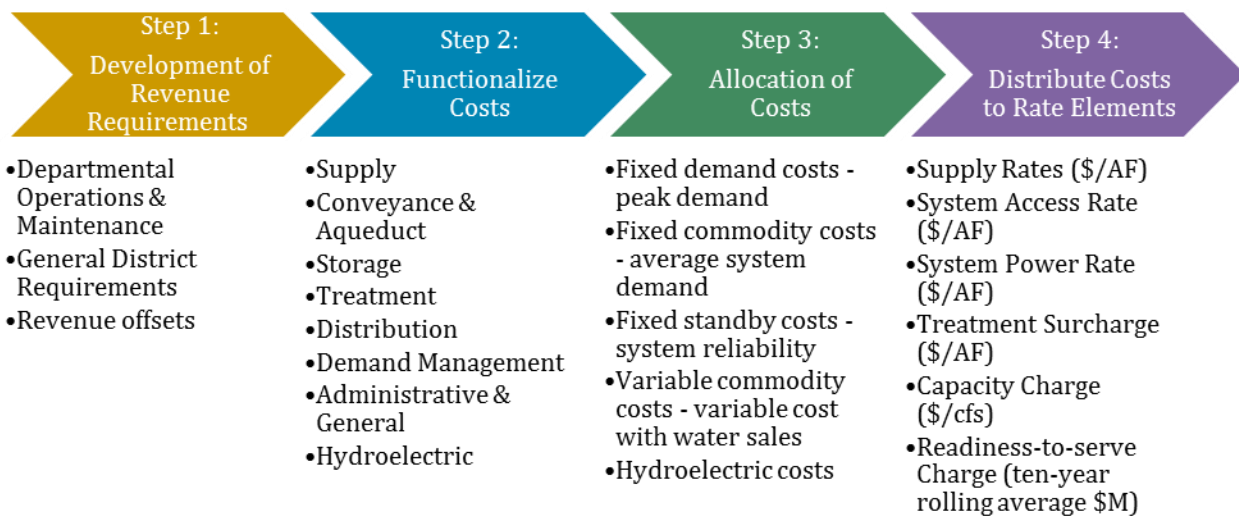
In the cost allocation step, functionalized costs are separated into categories according to their causes and behavioral characteristics. Proper cost allocation is critical in developing a rate structure that recovers costs in a manner consistent with the causes and behaviors of those costs. Under AWWA guidelines, cost allocation may be done using either the Base/Extra-Capacity approach or the Commodity/Demand approach. In the simplest sense, these approaches offer alternative means of distinguishing between utility costs incurred to meet average or base demands and costs incurred to meet peak demands. The Commodity/Demand approach was selected because it: (1) is best suited for systems where design criteria are focused on peaking patterns within a long-term time frame, such as peak month and peak week, (2) it works well in situations where complex cost relationships exist in the service area and attempting to allocate costs to peak day and peak hour functions would be complicated and often impractical, and (3) it allows for the development of the most appropriate COS classification bases because of the way Metropolitan's financial and operational data is organized. The Commodity/Demand approach was modified for its application to Metropolitan's rate structure by adding a separate cost allocation for costs related to Metropolitan's standby function. Analysis of system operating data indicated that a modified Commodity/Demand approach was most appropriate for developing Metropolitan's cost of service allocation bases.

Step 4 - Distribution to Rate Elements

The distribution of costs to the rate design elements depends on the purpose for which the cost was incurred and the manner in which the member agencies use the Metropolitan system. For example, costs incurred to meet average system demands are typically recovered by dollar per acre-foot rates and are distributed based on the volume of water purchased by each agency. Rates that are levied on the amount or volume of water delivered are commonly referred to as volumetric rates as the customer's costs vary with the volume of water purchased. Costs incurred to meet peak distribution demands (referred to in this report as demand costs) are recovered through a peaking charge (the Capacity Charge) and are distributed to agencies based on their peak summer demand behavior. Costs incurred to provide system reliability in the event of an emergency, major outage or hydrologic variability (referred to in this report as standby costs) are recovered through a Readiness-To-Serve Charge. Differentiating between costs for average, peak, and standby is just one example of how the COS process allows for the design of rates and charges to achieve overall customer equity and efficiency.

With regards to treatment-related costs, all costs, whether for average, peak, or standby, are recovered by dollar per acre-foot rates and are distributed based on the volume of treated water purchased. The following figure summarizes the Metropolitan COS process.

Cost of Service Process



Revenue Requirements

The estimated revenue requirements presented in this report are for FY 2022/23 and 2023/24. Throughout the report, the fiscal years are used as the “test years” to demonstrate the application of the COS process. Schedule 1 and Schedule 2 summarize the FY 2022/23 and FY 2023/24 revenue requirements, respectively, by the major budget line items used in Metropolitan’s budgeting process.

Current estimates indicate Metropolitan’s annual expenditures (including capital financing costs, but not construction outlays financed with bond proceeds) will total approximately \$1.95 billion in FY 2022/23 and \$2.04 billion in FY 2023/24. These expenditures support sales of 1.59 MAF in FY 2022/23 and 1.54 MAF in FY 2023/24 and assume a 25 percent SWP allocation in CY 2022, 40 percent SWP allocation in CY 2023, and 50 percent SWP allocation in CY 2024 with CRA diversions of 1.01 MAF in FY 2022/23 and 0.92 MAF in FY 2023/24.

The rates and charges do not have to cover the entire amount of estimated expenditures. Metropolitan generates a significant amount of revenue from interest income, hydroelectric power sales and miscellaneous income. These internally generated revenues are referred to as revenue offsets and are expected to generate about \$72 million in FY 2022/23 and \$57million in FY 2023/24. It is expected that Metropolitan will also generate about \$163 million in ad valorem property tax revenues (assuming that ad valorem tax rates are maintained at 0.0035 percent of assessed valuation) in FY 2022/23 and \$168 million in FY 2023/24. Property tax revenues are used to pay for a portion of Metropolitan’s general obligation bond debt service, a portion of Metropolitan’s obligation to pay for debt service on bonds issued to fund the SWP, and other SWP costs. The total revenue offsets are estimated to be about \$235 million in FY 2022/23 and \$225 million in FY 2023/24. Therefore, the revenue required from rates and charges is the difference between the total estimated expenditures (costs) and the revenue offsets, or \$1.73 billion in FY 2022/23 and \$1.81 billion in FY 2023/24. Given an effective date of January 1, 2023 and January 1, 2024, respectively, the rates and charges recommended in this report, combined with rates and charges effective through December 31, 2022 will generate a total of \$1.68 billion in FY 2022/23 and \$1.79 billion in FY 2023/24.

All of Metropolitan's costs fall under the broad categories of Departmental Costs or General District Requirements. Departmental Costs include budgeted items identified with specific organizational groups. General District Requirements consist of requirements associated with the CRA, SWP, Supply Programs, Demand Management Programs, and capital financing costs associated with the Capital Investment Plan (CIP). General District Requirements also include reserve fund transfers required by bond covenants and Metropolitan's Administrative Code.

Schedule 1: Revenue Requirements (by budget line item), FY 2022/23

	Fiscal Year Ending 2023	% of Revenue Requirements (1)
Departmental Operations & Maintenance		
Office of General Manager	\$ 9,957,842	0.5%
Water Systems Operations	278,733,635	12.7%
Water Resources Management	24,988,740	1.1%
Engineering Services	49,013,044	2.2%
Bay Delta Initiatives	12,055,551	0.5%
Business Technology	82,298,910	3.7%
Real Property	29,365,077	1.3%
Human Resources	15,654,418	0.7%
Office of the Chief Financial Officer	28,941,344	1.3%
External Affairs	27,650,213	1.3%
General Counsel	15,833,730	0.7%
General Auditor	4,599,034	0.2%
Ethics Office	2,106,637	0.1%
Sustainability, Resilience & Innovation	9,952,336	0.5%
Diversity, Equity & Inclusion	1,426,735	0.1%
Equal Employment Opportunity	1,975,822	0.1%
Total	594,553,066	27.0%
General District Requirements		
State Water Contract	698,671,850	31.7%
Colorado River Aqueduct Power Costs	105,857,041	4.8%
Supply Programs (cash funded portion)	66,659,522	3.0%
Demand Management (cash funded portion)	50,815,317	2.3%
Capital Financing	423,023,470	19.2%
Regional Recycled Water Program planning costs	-	0.0%
Other Operating Costs	14,394,884	0.7%
Increase/(Decrease) in Required Reserves	13,300,000	0.6%
Total	1,372,722,085	62.3%
Revenue Offsets	(234,941,633)	10.7%
Net Revenue Requirements	1,732,333,518	100.0%
(1) Given as a percentage of the absolute values of total dollars apportioned		
* Includes Delta Conveyance planning costs		
Totals may not foot due to rounding		

Schedule 2: Revenue Requirements (by budget line item), FY 2023/24

	Fiscal Year Ending 2024	% of Revenue Requirements (1)
Departmental Operations & Maintenance		
Office of General Manager	\$ 10,247,595	0.5%
Water Systems Operations	286,332,441	12.6%
Water Resources Management	25,647,792	1.1%
Engineering Services	47,623,932	2.1%
Bay Delta Initiatives	12,415,696	0.5%
Business Technology	85,928,077	3.8%
Real Property	29,386,669	1.3%
Human Resources	15,919,677	0.7%
Office of the Chief Financial Officer	25,693,953	1.1%
External Affairs	28,148,429	1.2%
General Counsel	15,716,806	0.7%
General Auditor	4,737,939	0.2%
Ethics Office	2,156,213	0.1%
Sustainability, Resilience & Innovation	9,342,510	0.4%
Diversity, Equity & Inclusion	1,483,649	0.1%
Equal Employment Opportunity	2,070,834	0.1%
Total	602,852,212	26.6%
General District Requirements		
State Water Contract	781,239,991	34.5%
Colorado River Aqueduct Power Costs	85,626,149	3.8%
Supply Programs (cash funded portion)	64,100,985	2.8%
Demand Management (cash funded portion)	54,886,221	2.4%
Capital Financing	436,025,242	19.2%
Regional Recycled Water Program planning costs	-	0.0%
Other Operating Costs	13,836,761	0.6%
Increase/(Decrease) in Required Reserves	(1,600,000)	0.1%
Total	1,434,115,349	63.4%
Revenue Offsets	(225,350,101)	9.9%
Net Revenue Requirements	1,811,617,460	100.0%
(1) Given as a percentage of the absolute values of total dollars apportioned		
* Includes Delta Conveyance planning costs		
Totals may not foot due to rounding		

Departmental Costs

Departmental costs consist of salary and benefits, chemicals, power, outside services, materials and supplies, association dues, insurance expenses, leases, and property taxes budgeted by the General Manager's Department, as well as the General Counsel, General Auditor, and Ethics Officer.

The proposed FY 2022/23 O&M budget includes \$608.9 million for labor and benefits, water treatment chemicals, power, and solids handling, materials and supplies, professional services, and operating equipment purchases. This is \$29.0 million, or 5.0 percent, higher than the FY 2021/22 budget of \$579.9 million due primarily to negotiated labor, benefits, and outside services cost increases. Variable treatment costs are also higher due to higher chemical prices. The total authorized personnel complement for the FY 2022/23 budget is 1,974 authorized positions, including 47 district temporary full-time equivalents (FTEs), and reflects an increase of 30 full-time positions from the FY 2021/22 budget. Total funded positions are 1,974 FTEs.

The proposed FY 2023/24 O&M budget is \$616.7 million, an increase of \$7.8 million, or 1.3 percent, compared to the FY 2022/23 budget. This increase is primarily due to negotiated labor, benefits, and outside services cost increases, and slight increase in chemical prices. The total authorized personnel complement FYs 2022/23 and 2023/24 Cost of Service Report

for FY 2023/24 is increased by 2 positions to 1,976 authorized positions. Total funded positions are 1,976 FTEs.

The Departmental Budget is described in detail in the Biennial Budget document.

General District Revenue Requirements

General District Requirements include costs for the SWP, CRA power, Supply Programs, Demand Management Programs, and the Capital Financing costs. Each of these areas is described in the following.

State Water Project

Metropolitan participates in the State Water Project (SWP), which is managed and operated by the California Department of Water Resources (DWR) and is an integral part of Metropolitan's conveyance system, through its State Water Contract. All costs of the SWP capital expenditures and costs of the operations, maintenance, power and replacement (OMPR) associated with water conservation (supply) and transportation (delivery) are paid by the 29 State Water Contractors. Metropolitan recovers the costs associated with the SWP through ad valorem property taxes, the Tier 1 Supply Rate, System Access Rate, the System Power Rate, and the Readiness-to-Serve Charge.

All State Water Contractors are obligated to pay all costs incurred by DWR to operate the SWP for water supply delivery, as part of their contractual participation in the project. Articles 22 through 26 of the State Water Contract provide that all costs DWR might incur to conserve and transport water to Metropolitan will be recovered from Metropolitan. Metropolitan is responsible for paying the costs of the system necessary to conserve and transport SWP water regardless of whether Metropolitan receives any water at all. Only the Transportation Variable, which recovers power costs for pumping through SWP transportation facilities to Metropolitan, varies depending on the amount of water delivered to Metropolitan. In the event Metropolitan does not pay DWR, DWR can require Metropolitan to recover its SWP costs through property taxes. DWR has no recourse to go to the State General Fund to pay SWP costs. DWR has no exposure whatsoever for any revenue shortfall, cost changes, or the cost impacts of operational limitations; these risks are solely the Contractors' risks.

Annually, the DWR reviews and redetermines the water supply and financial aspects of the SWP as required by the State Water Contract. The annual review and redetermination results in the annual Statement of Charges to the Contractors for each calendar year. The information that supports the Statement of Charges is published by the DWR as Appendix B to the appropriate Bulletin 132 (i.e., the Statement of Charges for Calendar Year 2022 is supported by Appendix B to Bulletin 132-21). DWR does not charge rates for water service. It does not develop a revenue requirement and then develop rates based on projected billing determinants for a calendar year. Rather, DWR apportions its costs to the Contractors based on their proportionate share of conservation (supply) costs (the Delta Water Charge) and transportation (delivery) costs (the Transportation Charge). DWR reconciles actual costs for each year and either collects more funds from the Contractors if actual costs exceeded estimated costs or provides a credit/refund if actual costs were lower than estimated costs.

The Biennial Budget includes Metropolitan's planned contribution for Delta conveyance project planning activities of \$99.0 million. The expenditures for the SWP are described in detail in the Biennial Budget document.

Colorado River Aqueduct

Metropolitan owns, operates, and manages the CRA. Metropolitan is responsible for operating, maintaining, rehabilitating, and repairing the CRA, and is responsible for obtaining and scheduling energy resources adequate to power pumps at the CRA's five pumping stations.

The CRA costs for delivery and supply are reflected in the Departmental costs and in the costs of the appropriate operational functions. The expenditures for CRA power are described in detail in the Biennial Budget document.

In fiscal years 2022/23 and 2023/24, it is projected Metropolitan will receive annual CRA water diversions of approximately 1.01 MAF and 0.92 MAF respectively. The budgeted power costs for the CRA are \$105.9 million in FY 2022/23 and \$85.6 million in FY 2023/24.

Supply Programs: SWP

Since inception, the SWC provided Contractors the ability to use the SWP to convey non-SWP water under certain circumstances. Specifically, Article 18(c)(2) of the original SWC addresses situations where there is a shortage in the supply of water made available under the SWC and states, "[T]he District, at its option, shall have the right to use any of the project transportation facilities which by reason of such permanent shortage in the supply of project water to be made available to the District are not required for delivery of project water to the District, to transport water procured by it from any other source: [p]rovided, [t]hat such use shall be within the limits of the capacities provided in the project transportation facilities for service to the District under this contract". However, Article 18(c)(2) only applied in the event a permanent shortage was declared by DWR and it was unclear on how costs would be charged for using SWP facilities to transport nonproject water. In 1994, the Contractors and DWR negotiated the Monterey Amendment to the SWC, including Article 55, which made explicit that the Contractors' rights to use the portion of the SWP conveyance system necessary to deliver water to them (their "Reaches") also includes the right to convey non-SWP water at no additional cost as long as capacity exists. Power for the conveyance of non-SWP water is charged at the SWP melded power rate. The Monterey Amendment also expanded the ability to carry over SWP water in SWP storage facilities, allowed participating Contractors to borrow water from terminal reservoirs, and allowed Contractors to store water in groundwater storage facilities outside a Contractor's service area for later use. These amendments, approved by Metropolitan's Board in 1995, secured the means for individual Contractors to increase supply reliability through water transfers, and storage outside their service areas.

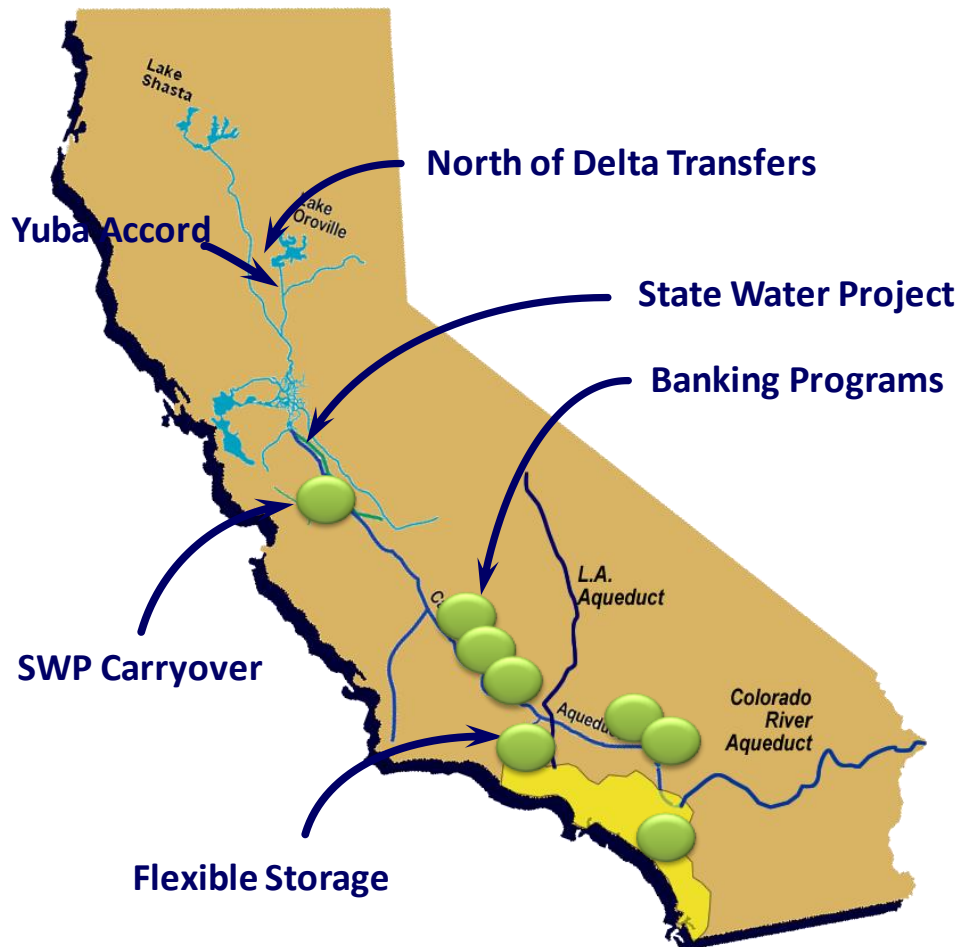
Since adoption of the 1996 Integrated Resources Plan (1996 IRP) and subsequent updates, Metropolitan has developed and actively managed a portfolio of supplies to convey through the California Aqueduct, as shown in Figure 10. The geographical locations of the projects are indicated by the green dots; Metropolitan's service area is designated by the yellow highlighted area. Metropolitan submits delivery schedules to DWR for these supplies and alters these schedules throughout the year based on changes in the availability of SWP and Colorado River water. The portfolio of supplies that Metropolitan has developed to be conveyed through the SWP since adoption of the Monterey Amendments and the 1996 IRP extend from north of the Delta to Southern California.

Since the Monterey Amendments, Metropolitan has secured one-year water transfer supplies through Metropolitan-only purchases, buyer coalition-purchases, and Governor Drought Water Banks. The most recent years that Metropolitan secured these one-year transactions were 2015, and 2021. Metropolitan opted not to pursue these transactions in 2018 or 2020. Most of the sellers were Sacramento Valley water users who are not Contractors. Other Contractors obtained one-year water transfers during this timeframe as well. There were no single-year transfer programs in, 2016-2017, or 2019 because of favorable water supply conditions and lack of capacity to move transfer supplies through the Delta.

In addition to the above one-year water transfers, Metropolitan purchases long-term water transfer supplies through the Yuba Accord. The Yuba Accord has provided water to enhance SWP and CVP water supply reliability by offsetting Delta export reductions and providing dry year water supplies for participating SWP

and CVP contractors. This water is Yuba River water developed by Yuba County Water Agency (YCWA) making reservoir releases or by YCWA's member units substituting groundwater for their surface water supplies; it is not SWP water.

Figure 10: California Aqueduct Portfolio of Supplies

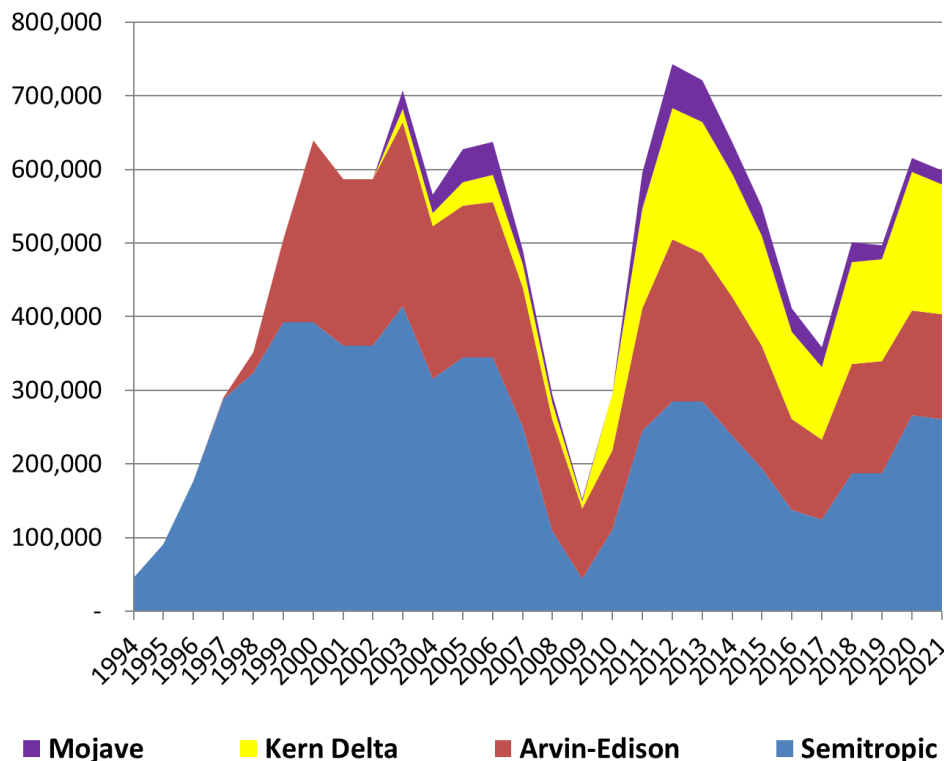


In addition to one-year transfers, and the Yuba Accord water, Metropolitan has developed groundwater storage agreements that allow Metropolitan to store available supplies in the Central Valley for return later. Metropolitan enters into point of delivery agreements with DWR to deliver water supplies from the SWP facilities to these storage programs. Metropolitan enters into agreements for introduction of local supplies to return these water supplies to the SWP system for delivery to Metropolitan's service area. Metropolitan's storage activities are shown in Figure 11. The figure shows how the programs function to store supplies during surplus conditions and return supplies during a drought. The storage programs have demonstrated that they can provide a significant amount of water when needed.

- **Arvin-Edison Storage Program:** under the agreement, Arvin-Edison Water Storage District stores water on behalf of Metropolitan. Up to 350,000 acre-feet can be stored; Arvin-Edison is obligated to return up to 75,000 acre-feet of stored water in any year to Metropolitan, upon request. The water is returned by direct groundwater pump-in and exchange of SWP supplies. A 2017 State Water Resources Control Board (SWRCB) regulation setting a Maximum Contaminant Level (MCL) for TCP has temporarily suspended use of this program due to the levels detected in the program groundwater wells. In November 2021, a change in the point-of-delivery was initiated to allow Metropolitan access to its stored water through an operational exchange of Friant Division CVP water supplies with SWP supplies in San Luis Reservoir.
- **Semitropic Storage Program:** under the agreement, Metropolitan stores water in the groundwater basin underlying land within the Semitropic Water Storage District. The maximum storage capacity

is 350,000 acre-feet. Currently, the minimum annual yield to Metropolitan is 38,200 acre-feet, and the maximum annual yield is 229,700 acre-feet depending on the available unused capacity and the SWP allocation. The water is returned by direct groundwater pump-in and exchange of SWP supplies.

- Kern Delta Storage Program: under the agreement, Kern Delta Water District provides groundwater banking and exchange transfer to allow Metropolitan to store up to 250,000 acre-feet of SWP water in wet years and take up to 50,000 acre-feet annually during droughts. The water is returned by direct groundwater pump-in or by exchange of surface water supplies.
- Mojave Storage Program: under the agreement, Mojave Water Agency provides groundwater banking and exchange transfers to allow Metropolitan to store up to 390,000 acre-feet for later return. The agreement allows Metropolitan to annually withdraw Mojave Water Agency's SWP contractual amounts, after accounting for local needs. The Mojave storage program returns water only by exchange of surface water supplies.
- Antelope Valley East Kern (AVEK) Storage Program: under the Storage Program, Metropolitan, at its discretion, could store up to 30,000 acre-feet of its SWP Table A amount or other supplies in the Antelope Valley Groundwater Basin in an account designated for Metropolitan. The water is returned by exchange of SWP supplies or direct groundwater pump-in.
- Antelope Valley-East Kern (AVEK) High Desert Water Bank Program: under this agreement, AVEK provides storage for up to 70,000 acre-feet per year of its unused SWP Table A amount to Metropolitan or other supplies for later return. The maximum storage capacity for Metropolitan supplies would be 280,000 acre-feet. The program is designed to return up to 70,000 acre-feet per year by direct pump-in to the East Branch of the California Aqueduct. Water can also be returned by exchange of SWP supplies when available.
- Sites Reservoir: under a participation agreement, Metropolitan is contributing to planning activities for a proposed reservoir project of approximately 1.3 to 1.5 million acre-feet being analyzed by the Sites Reservoir Authority, to be located in Colusa County. Water stored for the proposed project would be diverted from the Sacramento River. The maximum storage capacity for Metropolitan supplies would be 31,700 acre-feet. As proposed, the program would be designed to return up to 50,000 acre-feet per year on average to Metropolitan by direct pump-in to the Sacramento River. Metropolitan's agreement to participate in funding of this phase of project development activities does not commit Metropolitan to participate in any actual reservoir project that may be undertaken in the future.

Figure 11: SWP Groundwater Storage Programs, acre-feet

Metropolitan has developed exchanges and transfers with other Contractors to enhance supply flexibility. Some of these agencies have extensive groundwater supplies and are willing to exchange their SWP supplies.

- San Gabriel Valley Water District:** under this agreement, Metropolitan delivers treated water to a San Gabriel Valley Water District (SGVMWD) subagency in exchange for twice as much untreated SWP supplies delivered into the Main San Gabriel groundwater basin. The groundwater basin supplies water to both Metropolitan and SGVMWD subagencies. Each year Metropolitan purchases 5,000 acre-feet minus the unbalanced exchange amount. By mutual agreement Metropolitan may purchase more than the 5,000 acre-feet per year should SGVMWD have additional supplies available. This program has the potential to increase Metropolitan's reliability by providing 115,000 acre-feet through 2035.
- Desert Water Agency/Coachella Valley Water District Advance Delivery Program:** under this program, Metropolitan delivers Colorado River water to the Desert Water Agency (DWA) and Coachella Valley Water District (CVWD) in advance of the exchange for their SWP Contract Table A allocations. In addition to their Table A supplies, the agencies can take delivery of SWP supplies available under Article 21 and the Turn-back Pool Program, and non-SWP supplies separately acquired by each agency. These non-SWP supplies have included Yuba Accord water, drought water bank water, and San Joaquin Valley water. By delivering enough water in advance to cover Metropolitan's exchange obligations, Metropolitan is able to receive DWA and CVWD's available SWP supplies in years in which Metropolitan's supplies are insufficient without having to deliver an equivalent amount of Colorado River water. In December 2019, the exchange agreements were amended to provide more flexibility and operational certainty for the parties involved. Additionally, under the amended agreement, Coachella and Desert in wet years pay a portion of Metropolitan's water storage management costs, up to a combined total of \$4 million per year.

Supply Programs: CRA

Since adoption of the 1996 IRP and subsequent updates, Metropolitan has developed and actively manages a portfolio of supplies to convey through the CRA. Metropolitan determines the delivery schedule of those resources throughout the year based on changes in the availability of SWP and of Colorado River water. Figure 12 shows the geographic location of the portfolio of additional CRA supplies, designated by the red dots, which Metropolitan has developed for diversion into the CRA since adoption of the 1996 IRP. These resources extend from Lake Mead to Southern California and provide supply to Metropolitan's service area, which is shown in the yellow highlighted area.

Figure 12: Colorado River Aqueduct Portfolio of Supplies



- **Bard Fallowing:** Approved by the MWD Board in December 2019, the Bard Water District (Bard) Seasonal Fallowing Program (Program) incentivizes farmers to fallow land irrigated with Colorado River water for the spring and summer months in order to reduce water consumption Bard and augment Metropolitan's Colorado River supplies. Metropolitan estimates a water savings of 2.2 acre-feet per irrigable acre. Metropolitan benefits from the reduced water consumption as the saved water will remain in the Colorado River and be made available for diversion.
- **Imperial Irrigation District/Metropolitan Conservation Program:** Under a 1988 Conservation Agreement, Metropolitan has funded water efficiency improvements within the Imperial Irrigation District's (IID) service area in return for the right to divert the water conserved by those investments. Metropolitan provided funding for IID to construct and operate a number of conservation projects that have conserved up to 109,460 acre-feet of water per year that is then

available to Metropolitan. Execution of the Quantification Settlement Agreement (QSA) and related agreements resulted in changes in the availability of water under the program. As a result of a 2014 IID-Metropolitan letter agreement, the amount of water conserved by IID has been quantified at 105,000 acre-feet per year beginning in 2016. Metropolitan is guaranteed at least 85,000 acre-feet per year, with the remainder of the conserved water being made available to the Coachella Valley Water District (CVWD), if needed under the 1989 Approval Agreement as amended. However, in a recent clarifying agreement, CVWD has agreed to limit its call to 15,000 acre-feet per year through 2026, yielding 90,000 acre-feet annually from the program for Metropolitan, with Metropolitan delivering the remaining 15,000 AF to CVWD at Whitewater.

- N-Drip Irrigation: Metropolitan has agreed to jointly fund a pilot project in Arizona to test the efficacy of a novel drip irrigation technology produced by an Israeli company called N-Drip. The key component of the technology is a drip emitter that resists clogging under relatively low water pressure, which allows for drip irrigation systems without pumps or electricity, significantly reducing the cost of installation and operation. Other funding partners include the Central Arizona Water Conservation District (the project lead), the Southern Nevada Water Authority, the Central Utah Water Conservancy District, and Denver Water. The pilot is primarily a research project expected to yield minimal water savings for Metropolitan (at most, 400 AF in 2022). However, if the technology is widely adopted in the future, it could yield significant additional conservation savings that could increase Metropolitan's Colorado River supplies.
- Palo Verde Land Management, Crop Rotation, and Water Supply Program: Under this program, participating landowners in the PVID's valley service area are paid to reduce water use by not irrigating a portion of their land. A maximum of 35 percent of the participating lands within the Palo Verde Valley can be fallowed in any given year. This program saves up to 133,000 acre-feet of water in certain years, and a minimum of 33,000 acre-feet per year. The term of the program is 35 years. Fallowing began in 2005. In March 2009, Metropolitan and PVID entered into a supplemental emergency fallowing program within PVID that provided for the fallowing of additional acreage in 2009 and 2010. Since 2005, over 1.3 million acre-feet total of Colorado River water has been conserved. The volume of water that becomes available to Metropolitan is governed by the QSA and the Colorado River Water Delivery Agreement. Under these agreements:
 - Metropolitan must reduce its consumptive use of Colorado River water by that volume of consumptive use by PVID and holders of Priority 2 that is greater than 420,000 acre-feet in a calendar year, or
 - Metropolitan may increase its consumptive use of Colorado River water by that volume of consumptive use by PVID and holders of Priority 2 that is less than 420,000 acre-feet in a calendar year.

In both cases, each acre-foot of reduced consumptive use by PVID is an additional acre-foot that becomes available to Metropolitan.

- Quechan Forbearance: In 2005, Metropolitan entered into a settlement agreement in *Arizona v. California* with the Quechan Indian Tribe and other parties. The Tribe uses Colorado River water on the Fort Yuma Indian Reservation. Under the settlement agreement, the Tribe, in addition to the amounts of water decreed for the benefit of the Reservation in the 1964 decree in *Arizona v. California*, is entitled to (a) 20,000 acre-feet of diversions from the Colorado River, or (b) the amount necessary to supply the consumptive use required for irrigation of a specified number of acres, and for the satisfaction of related uses, whichever is less. Of the additional diversions, 13,000 acre-feet became available to the Tribe in 2006. Metropolitan agreed to provide annual incentive payments to the Tribe if the Tribe forbore diversion of the additional water, thereby allowing Metropolitan to divert it.
- Quechan Fallowing: Approved by the MWD Board in December 2021, the Metropolitan/Quechan Tribe Seasonal Fallowing Pilot Program (Pilot) incentivizes farmers to fallow land irrigated with Colorado River water for the spring and summer months in order to reduce water consumption in

the Quechan tribal land and augment Metropolitan's Colorado River supplies. Since the Quechan Tribe's water supplies have a higher priority than Metropolitan's on the Colorado River, Metropolitan benefits from the reduced water consumption as the saved water will remain in the Colorado River and be made available for diversion.

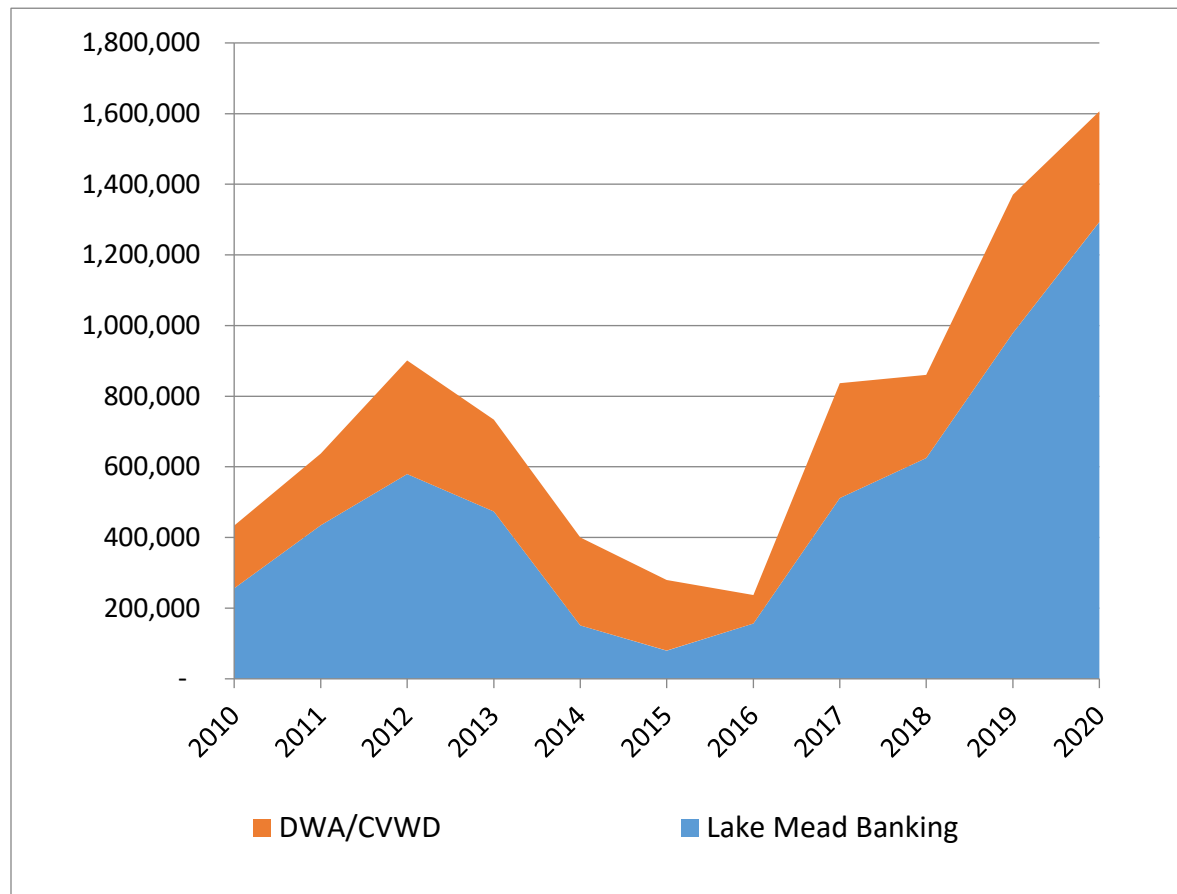
- Southern Nevada Water Authority and Metropolitan Storage and Interstate Release Agreement: Under this 2004 agreement and a related Operational Agreement, the Southern Nevada Water Authority (SNWA) may offer a portion of its Colorado River water supplies to Metropolitan when there is space available in the CRA to receive the water. SNWA may call for return of the water in a future year, in which Metropolitan would reduce its Colorado River water order to return this water to SNWA. In 2009, 2012, and 2015, Metropolitan, the Colorado River Commission of Nevada, and SNWA amended the related Operational Agreement dealing with volumes of water that may be stored or called at various times. The agreements can be terminated upon 90 days' notice following the return of the water stored by Metropolitan.
- Lower Colorado Water Supply Project: This project develops additional water supplies by pumping groundwater into the All-American Canal for delivery to IID. An equal volume of Colorado River water is then made available for other water users along the river. Under a contract among Metropolitan, the City of Needles, and the United States Bureau of Reclamation, Metropolitan receives any excess unused water developed by the project. Metropolitan makes payments to a trust fund to develop a replacement project or to desalt the groundwater should the groundwater become too saline for discharge into the All-American Canal.
- Exchange with the United States (San Luis Rey): 16,000 acre-feet from the All-American and Coachella Canal lining projects is allocated to the San Luis Rey Settlement Parties. The United States furnishes this water at Metropolitan's Colorado River Intake on Lake Havasu. Metropolitan takes possession of the water and by exchange delivers an equal volume of Metropolitan's blended supplies to SDCWA. By separate agreement, SDCWA conveys the water to the San Luis Rey Settlement Parties.
- California ICS Agreement: Under a 2007 agreement and its amendment, Metropolitan may store a portion of IID's excess conservation in Metropolitan's service area, subject to both annual creation and total accumulation limits. IID may call for return of the water in a future year, in which Metropolitan would reduce its Colorado River water order to return the water.
- Lake Mead Storage Program: In December 2007, Metropolitan entered into agreements to set forth the guidelines under which Intentionally Created Surplus (ICS) water is developed and stored in and delivered from Lake Mead. The amount of water stored in Lake Mead must be created through extraordinary conservation, system efficiency, or tributary conservation methods. ICS is available for delivery in a subsequent year, with Extraordinary Conservation ICS subject to a one-time deduction to benefit the river system and annual evaporation losses. Extraordinary conservation methods used by Metropolitan to date are: water saved by fallowing in the Palo Verde Valley, projects implemented with IID in its service area, the Lower Colorado Water Supply Project, All American and Coachella Canal water received under the San Luis Rey Indian Water Rights Settlement Agreement prior to the settlement parties receiving the water, groundwater desalination, groundwater recovery, water conserved from Metropolitan's Landscape Transformation Program, water conserved from implementation of indoor water conservation devices, and water recycling. "System Efficiency ICS" can be created through the development and funding of system efficiency projects that save water that would otherwise be lost from the Colorado River. Metropolitan has participated in two projects to create System Efficiency ICS, and two projects to create ICS by conservation in Mexico:
 - Yuma Desalting Pilot Project: Metropolitan contributed funds toward the 2010-2011 pilot run of the Yuma Desalting Plant in exchange for a portion of the desalinated water produced by the project. The Yuma Desalting Plant treated brackish agricultural drainage that flows into Mexico to the Ciénega de Santa Clara at the terminus of the Colorado River but does not count as deliveries to Mexico under the Mexican Water Treaty. Metropolitan's portion of the desalinated

water was 24,397 acre-feet and this water was stored in Lake Mead. Metropolitan can take delivery of up to the entire amount in any single year.

- Drop 2 (Warren H. Brock) Reservoir: Metropolitan contributed funds toward the U.S. Bureau of Reclamation's construction of an 8,000 acre-foot off-stream regulating reservoir near Drop 2 of the All-American Canal in Imperial County. This reservoir conserves about 55,000 acre-feet of water per year by capturing and storing otherwise non-storable flow. In return for its funding, Metropolitan received 100,000 acre-feet of water that was stored in Lake Mead and has the ability to take delivery of up to 25,000 acre-feet of water in any single year. Besides the additional water supply, the new reservoir adds to the flexibility of Colorado River operations.
- In November 2012, Metropolitan executed agreements in support of a program to augment Metropolitan's Colorado River supply between 2013 and 2017 through an international pilot project in Mexico. Metropolitan's total share of costs was \$5 million for 47,500 acre-feet of project supplies. The costs were paid and the conserved water was credited to Metropolitan's intentionally-created surplus water account. In December 2013, Metropolitan and IID executed an agreement under which IID paid half of Metropolitan's program costs, or \$2.5 million, in return for half of the project supplies, 23,750 acre-feet.
- In September 2017, Metropolitan executed agreements in support and continuation of a program to augment Metropolitan's Colorado River supply through international pilot projects in Mexico. Under the new set of agreements, Metropolitan's total share of costs are expected to be \$3.75 million for 27,275 acre-feet of project supplies. The costs will be paid in three parts in 2020, 2023, and 2026. Water was and will be received in the year of payment.
- Desert Water Agency/Coachella Valley Water District/Metropolitan Water Exchange and Advance Delivery Programs: Under these programs, Metropolitan delivers Colorado River water to the DWA and CVWD, in exchange for future deliveries by DWA and CVWD of an equal volume of their SWP supplies. By delivering enough water in advance to cover Metropolitan's exchange obligations, Metropolitan is able to receive DWA and CVWD's available SWP supplies in years in which Metropolitan's supplies are insufficient to deliver an equivalent amount of Colorado River water⁹.

Figure 13 shows the year-end balance in Metropolitan's Colorado River storage programs. The combined capacity of the Lake Mead Storage program and the DWA/CVWD advance delivery program is 2,300,000 acre-feet, plus the amount of water in storage in Lake Mead as a result of the Drop 2 Reservoir and Yuma Desalting Plant system efficiency projects.

⁹ DWA has a SWP Table A contract right of 55,750 acre-feet per year and CVWD has a SWP Table A contract right of 138,350 acre-feet per year, for a total of 194,100 acre-feet per year. In addition to their Table A supplies, DWA and CVWD, subject to Metropolitan's written consent may by exchange take delivery of SWP supplies available under Article 21 of their SWP Contracts, the Turn-back Pool Program, and non-SWP supplies they may acquire and convey through SWP facilities. Under the Metropolitan-CVWD Delivery and Exchange Agreement for 35,000 Acre-feet, up to 35,000 acre-feet of Metropolitan's SWP Table A supply can be requested annually by CVWD for delivery by exchange. Through the Second Amendment to this agreement, CVWD can request an additional 15,000 acre-feet annually from 2020 through 2026, for an additional transfer amount of 105,000 acre-feet.

Figure 13: Colorado River Storage Programs, acre-feet

In addition to the supply programs developed by Metropolitan, Metropolitan entered into an exchange agreement with the San Diego County Water Authority (SDCWA) in 1998, which was amended in 2003. The entire agreement, consideration exchanged between the parties, and obligations are found in the Amended and Restated Exchange Agreement and the related QSA Agreements. SDCWA acquires Colorado River water from two sources and exchanges up to 277,700 with Metropolitan for Metropolitan water deliveries. SDCWA makes available to Metropolitan Colorado water it purchases from IID that is conserved within IID and conserved water from the lining of the All- American and Coachella canals. In exchange, Metropolitan delivers its own blended water to SDCWA in even monthly installments.

Supply Programs Developed in Basin

Metropolitan has developed a number of local programs to work with its member agencies to increase storage in groundwater basins. Metropolitan has encouraged storage through its cyclic and conjunctive use storage programs. These programs allow Metropolitan to deliver water into a groundwater basin in advance of agency demands. Metropolitan has drawn on dry-year supply from nine contractual conjunctive use storage programs to address shortages from the State Water Project and the CRA.

- **Cyclic Storage Agreements:** Under these agreements, the pre-delivery of imported water is used for recharge into groundwater basins in excess of an agency's planned and budgeted deliveries making best use of available capacity in conveyance pipelines, use of storm channels for delivery to spreading basins, and use of spreading basins. This water is then purchased at a later time when the agency has a need for groundwater replenishment deliveries. Total program capacity is 525,000 AF.

- **Conjunctive Use Agreements:** Under these agreements, excess imported water can be stored, and then called for use by Metropolitan during dry, drought, or emergency conditions. During a dry period, Metropolitan has the option to call water stored in the groundwater basins pursuant to its contractual conjunctive use agreements. At the time of the call, the member agency pays Metropolitan the prevailing rate for that water. Nine conjunctive use projects provide about 210,000 acre-feet of groundwater storage and have a combined extraction capacity of about 70,000 acre-feet per year.
- **Operational Shift Cost-Offset Program:** Under these agreements, Metropolitan works with the member agencies to shift the points of delivery to meet demands wherever possible to preserve SWP storage during calendar years 2021 and 2022. Shifts are made at Metropolitan's request and in accordance with the member agencies' capabilities. Metropolitan provides these member agencies a credit of up to \$332/AF in CY 2021 and \$349/AF in CY 2022 to offset additional operational costs the member agencies may accrue from shifting delivery locations. OSCOP allows for improved availability of storage reserves to supplement supplies during dry years by maximizing current available resources from the Colorado River and SWP storage. This program helps reduce the need for purchasing more expensive transfer supplies and helps Metropolitan fully utilize its diverse portfolio to increase reliability for the entire region. This Program continues through end of CY 2022, which covers the first half of the first fiscal year of the proposed biennial budget.

The budget for the Supply Programs is \$105.1 million in FY 2022/23 and \$110.1 million in FY 2023/24. This includes expenditures of \$38.4 million in FY 2022/23 and \$46.0 million in FY 2023/24 for the AVEK High Desert Water Bank that are proposed to be bond funded. The expenditures for the Supply Programs are described in detail in the Biennial Budget document.

Demand Management Programs

Demand Management is an operational function Metropolitan undertakes to enable it to provide its full-service water to its member agencies, as well as to benefit Metropolitan's integrated system used for contractual arrangements such as wheeling and exchanges. Demand Management costs are Metropolitan's expenditures for funding local water resource development programs, water conservation programs, the Future Supply Actions Program, and the Stormwater Pilot Program. These Demand Management Programs incentivize the development of local water supplies and the conservation of water to reduce the need to import water to deliver to Metropolitan's member agencies. These programs are implemented below the delivery points between Metropolitan's and its member agencies' distribution systems and, as such, do not add any water to Metropolitan's supplies. Rather, the effect of these downstream programs is to produce a local supply of water for the local agencies and to reduce demands by member agencies for water imported through Metropolitan's system.

Metropolitan also pursues conservation and local water resource development because it has uniquely been directed to do so by the state Legislature. In 1999, then Governor Davis signed SB 60 (Hayden) into law. SB 60 amended the Metropolitan Water District Act to direct Metropolitan to increase conservation and local resource development. No other water utility in California, public or private, has been specifically identified by the state Legislature and directed to pursue water conservation and local water resource development.

Metropolitan's Demand Management programs also support the region's compliance with the requirements of SB X7-7. In 2009, the state Legislature passed SB X7-7, which was enacted to reduce urban per capita water use by 20 percent by December 31, 2020. Urban retail water suppliers are not eligible for state water grants or loans unless they comply with the water conservation requirements of the legislation. Demand Management programs helped the region achieve urban per capita water use reductions.

AB 1668 and SB 606 build on Governor Brown's efforts to make water conservation a way of life in California and create a new foundation for long-term improvements in water conservation and drought planning. These bills establish guidelines for efficient water use and a framework for the implementation and oversight of the new standards, which will set a new target for retail agencies in 2026. Metropolitan's Demand Management programs will also support Metropolitan's member agencies' ability to meet these guidelines and standards.

Demand Management costs also support the Strategic Plan Policy Principles approved by Metropolitan's Board on December 14, 1999. These principles represent the Board's vision that Metropolitan is a regional provider of wholesale water services. In this capacity, Metropolitan is the steward of regional infrastructure and the regional planner responsible for coordinated drought management and the collaborative development of additional supply reliability and necessary capacity expansion. Through these regional services, Metropolitan ensures a baseline level of reliability and quality for service in its service area.

Capital Financing Costs

Capital financing costs are Metropolitan's expenditures for Revenue Bond debt service, General Obligation bond debt service, debt administration costs, and the funding of capital expenditures from current operating revenues or Pay-As-You-Go (PAYGO).

Budgeted amounts for Capital Financing represent the expenditures for existing and future debt service, anticipated debt administration costs to support the debt portfolio, and PAYGO amounts to support the Capital Investment Plan (CIP). Metropolitan generally incurs long-term debt to finance projects or purchase assets which will have useful lives equal to or greater than the related debt. Revenue supported debt can be authorized by Metropolitan's Board of Directors.

- **Revenue Bond Debt Service:** Includes the annual principal and interest payments for Metropolitan's outstanding and estimated future Revenue Bond debt service costs. Revenue bonds are used to finance the majority of Metropolitan's CIP. Long-term interest rates are assumed to be 3.5 percent for new fixed rate bonds.
- **G.O. Bond Debt Service:** Includes Metropolitan's currently outstanding General Obligation (GO) bond interest and principal payments. In the long-term, it is assumed that no additional GO debt is issued to finance the CIP.
- **Debt administration costs:** Includes liquidity, remarketing, and broker-dealer fees.
- **PAYGO:** For FY 2022/23 and 2023/24, 45 percent of Metropolitan's capital costs are assumed to be funded from current revenues. It is projected that \$135 million PAYGO funding will be available per year, which is revenue collected through the rates and charges for this purpose over the next two fiscal years.

Expenditures for Capital Financing are \$423 million in FY 2022/23 and \$436 million in FY 2023/24. The Capital Financing costs are described in more detail in the Biennial Budget document.

Required Reserves

Metropolitan's Administrative Code and provisions of the revenue bond covenants require that reserves be held in certain funds at certain times. Therefore, as costs increase, reserves also increase to meet the Administrative Code and revenue bond covenants requirements. This line item reflects current policy requiring O&M fund and minimum requirements for the Revenue Remainder Fund. The increase in Required Reserves is \$13.3 million in FY 2022/23 and Required Reserves decreases by \$1.6 million in FY 2023/24.

Functional Costs

Metropolitan undertakes several major operational functions in order to deliver full-service water to Metropolitan's member agencies. These include the supply itself, the conveyance capacity and energy used to move the supply, storage of water, distribution of supplies within Metropolitan's system, and treatment of these supplies. Metropolitan's rate structure recovers the majority of the costs of these functions through rates and charges.

The functional categories developed for Metropolitan's cost of service process are consistent with the AWWA rate setting guidelines. A standard chart of accounts for utilities is provided in the AWWA publication "Financial Management for Water Utilities: Principles of Finance, Accounting, and Management Controls".

Figure 5-2, page 46, lists Operation and Maintenance (O&M) Expense Accounts. As noted, these are Expense Accounts, which provide the means by which O&M and capital financing costs are functionalized for COS. Because all water utilities are not identical, the functional categories used in the COS reflect, as they should, Metropolitan's unique physical, financial, and institutional characteristics, as permitted under the AWWA guidelines. Metropolitan has modified these functional categories as follows:

Pumping: Metropolitan functionalizes its pumping costs for the SWP and the CRA to a Conveyance and Aqueduct subaccount.

Customer Accounts, Customer Service and Sales Promotion: These are not applicable as Metropolitan is not a retail utility.

Storage: Metropolitan provides significant emergency storage, dry-year supply and regulatory services, and functionalizes costs to Storage to reflect Metropolitan's unique physical and operational reliability services.

Demand Management: Metropolitan incurs expenditures to support its Demand Management program, as described throughout this document.

Hydroelectric: Metropolitan has developed recovery generation facilities throughout its distribution system and recovers the costs and revenues from this investment in its COS.

A key goal of functional assignment is to maximize the degree to which rates and charges reflect the costs of undertaking different types of operational functions. For functional assignment to be of maximum benefit, two criteria must be kept in mind when establishing functional categories.

- The categories should correlate rates and charges elements with the costs of the functions associated with those elements; and
- Each function should include reasonable allocation bases by which costs may be allocated.

Each of the functions developed for the cost of service process is described below.

Supply

This function includes costs for those SWP and CRA facilities and programs that relate to managing and developing supplies to meet the member agencies' demands.

Metropolitan has a contractual right to a proportionate share of the project water that DWR determines is available for allocation to the Contractors. This determination is made each year based on existing supplies in storage, forecasted hydrology, and other factors. Available project water is then allocated to the Contractors in proportion to the amounts set forth in Table A of their State Water Contracts (Table A Allocation). The costs of the SWP supply are paid pursuant to Metropolitan's State Water Contract.

DWR's Delta Water Charge recovers the Capital and Minimum Operation, Maintenance, Power and Replacement (OMP&R) costs for the facilities that DWR determines are Conservation costs, meaning they conserve water to supply to the Contractors. Metropolitan reviews DWR's determination for purposes of functionalization. The Delta Water Charge is based on Contractors' cumulative Table A Allocations, which is approximately 46 percent for Metropolitan, regardless of whether it receives any Table A water in a year.

Under its contract with the federal government, Metropolitan has a fourth priority to 550,000 acre-feet per year of Colorado River water, less certain use by higher priority holders and Indian tribes in California. Metropolitan also holds a fifth priority for an additional 662,000 acre-feet per year that exceeds California's 4.4-million-acre-foot normal year basic apportionment, 38,000 acre-feet under the sixth priority during the term of the Colorado River Water Delivery Agreement, and another 180,000 acre-feet per year when surplus flows are available. Metropolitan can obtain water under the fourth, fifth, and sixth priorities from:

- Water unused by the California holders of priorities 1 through 3;
- Water saved by extraordinary conservation and crop rotation programs; or,
- When the U.S. Secretary of the Interior makes available:

- Surplus water, Intentionally Created Surplus water, and/or
- Water apportioned to, but unused by, Arizona and Nevada.

In fiscal years 2022/23 and 2023/24 it is projected that Metropolitan will receive annual CRA water diversions of approximately 1.01 MAF and 0.92 MAF respectively.

The costs of the CRA supply portfolio developed by Metropolitan are paid by Metropolitan. The CRA supply portfolio is supported by Water Resource Management labor, materials and supplies, outside services and professional services. The CRA supply portfolio activities benefit from Water Resource Management support services and management supervision, as well as Administrative and General activities of Metropolitan.

Metropolitan's supply related costs include investments in the Conservation Agreement with the IID, the PVID Program, and other CRA supply programs previously described. SWP programs include the Kern Delta Program, Semitropic Water Storage Program, Yuba Accord Program, Arvin-Edison Water Storage Program, Mojave Storage Program, AVEK Storage and Water Bank Programs, and others as previously described. Costs for programs within Metropolitan's service area, such as Conjunctive Use Agreements and Cyclic Storage Agreements, are also included.

Metropolitan finances past, current and future capital improvements associated with the supply portfolio capital assets and capitalizes investments associated with IID/Metropolitan Conservation Program, the PVID Land Management, Crop Rotation, and Water Supply Program, the Kern Delta Storage Program, Semitropic Storage Program, the Arvin-Edison Storage Program, and the AVEK High Desert Water Bank Program as Participation Rights.

California EcoRestore

California EcoRestore represents the state's near-term effort to accelerate habitat restoration in the Delta. This effort parallels a Delta Conveyance project and is a separate effort to improve the long-term health of the Delta. To date, California EcoRestore efforts include tidal restoration, fish passage improvements in the Yolo Bypass, tidal marsh restoration efforts, and floodplain projects. State Water Contractors and Central Valley Contractors have an obligation to pay for an existing commitment for habitat restoration. Any future costs are a public benefit and not a cost of the SWP. Any costs incurred by the SWP under the existing habitat restoration commitment under existing operating permits are likely to be recovered through the Delta Water Charge in Metropolitan's SWP bills and functionalized to Supply.

Conveyance and Aqueduct

This function includes the capital, operations, maintenance, and overhead costs for SWP and CRA facilities that convey water to Metropolitan's internal distribution system. Variable power costs for the SWP and CRA are also considered to be Conveyance and Aqueduct costs but are separately reported under a "power" sub-function. Conveyance and Aqueduct facilities can be distinguished from Metropolitan's other facilities primarily by the fact that they do not typically include direct connections to the member agencies. For purposes of this analysis, the Inland Feeder Project functions as an extension of the SWP East Branch and is therefore considered a Conveyance and Aqueduct facility as well.

Conveyance and Aqueduct: SWP¹⁰

Since inception, the State Water Contract provided Contractors the ability to use the SWP to convey non-SWP water under certain circumstances. Specifically, Article 18(c)(2) of the original SWC addressed situations where there is a shortage in the supply of water made available under the contract and stated, "[T]he District, at its option, shall have the right to use any of the project transportation facilities which by reason of such permanent shortage in the supply of project water to be made available to the District are not required for delivery of project water to the District, to transport water procured by it from any other source: [p]rovided, [t]hat such use shall be within the limits of the capacities provided in the project transportation facilities for service to the District under this contract". However, Article 18(c)(2) only applied in the event a permanent shortage was declared by DWR and it was unclear how costs would be charged for using SWP facilities to transport non-project water. In 1994, the Contractors and DWR negotiated the Monterey Amendments to the State Water Contract, including Article 55, which made explicit the Contractors' rights to use the portion of the SWP conveyance system necessary to deliver water to them (their "reaches") also includes the right to convey non-SWP water at no additional cost as long as capacity exists. Power is charged at the SWP average power rate. The Monterey Amendments also expanded the ability to carryover SWP water in SWP storage facilities, allowed Contractors to store water in groundwater storage facilities outside a Contractor's service area for later use, and permitted certain Contractors to borrow water from terminal reservoirs. These amendments, approved by Metropolitan's Board in 1995, secured the means for individual Contractors to increase supply reliability through water transfers and storage outside their service areas.

The impact of the Monterey Amendments on SWP operations is shown in Tables 11 and 12 below, which are based on information supplied by DWR¹¹. In the nine calendar years ending in 2020, only 67.7 percent of the SWP deliveries to Metropolitan were Table A water delivered in the year it is paid for. Fully 32.3 percent of the deliveries were for non-Table A water. Non-SWP water comprised 8.6 percent of Metropolitan's deliveries from the SWP. For the other Contractors, 46.2 percent of the SWP deliveries were what one would consider "supply", or Table A water delivered in the year it is paid for; 53.8 percent of the deliveries are for non-Table A water. Non-SWP water transported by the other Contractors comprised 23.8 percent of their deliveries from the SWP. Non-Contractors using the SWP to wheel transfer supplies comprised 4.3 percent of all deliveries through the SWP. Fully 20.9 percent of the deliveries on the SWP were for non-SWP water.

¹⁰ For historical and current information regarding the SWP, refer to Bulletin 132, published periodically by DWR since 1963. The most recently published Bulletin is Bulletin 132-18, dated January 2021 and titled, "Management of the California State Water Project." Appendices to the Bulletin are also updated separately. Both are available at: <https://water.ca.gov/Programs/State-Water-Project/Management/Bulletin-132>.

¹¹ DWR, Water Deliveries Section, State Water Project Analysis Office, January 27, 2022.

Table 11: State Water Project Water Management Activities, CY 2010 through 2020, Acre-Feet

SWP Deliveries--Acre-feet											
Metropolitan				Other SWP Contractors				Non-SWC Agencies		Total Deliveries ⁴	
(a)	(b)	(c)	(d) = (a) + (b) + (c)	(e)	(f)	(g)	(h) = (e) + (f) + (g)	(i) = (d) + (h)	(j)	(k) = (i) + (j)	
Table A ¹	Other SWP ²	Non-SWP ³	Total MWD	Table A ¹	Other SWP ²	Non-SWP ³	Total Other SWC	Total SWC	Non-SWP ⁴		
2010	639,537	352,831	265,720	1,258,088	686,826	360,138	355,908	1,402,872	2,660,960	148,986	2,809,946
2011	857,794	590,003	145,907	1,593,704	1,218,697	601,769	182,579	2,003,045	3,596,749	61,739	3,658,488
2012	906,009	308,689	10,010	1,224,708	933,103	445,898	250,144	1,629,145	2,853,853	109,064	2,962,917
2013	613,271	145,147	113,469	871,887	472,427	392,367	371,733	1,236,527	2,108,414	130,642	2,239,056
2014	59,181	224,077	114,032	397,290	25,291	167,928	488,830	682,049	1,079,339	97,493	1,176,832
2015	379,296	37,459	148,149	564,904	253,861	176,621	380,150	810,632	1,375,536	57,810	1,433,346
2016	989,125	12,646	42,081	1,043,852	717,887	248,552	232,388	1,198,827	2,242,679	70,404	2,313,083
2017	1,084,494	453,261	37,521	1,575,276	1,146,288	712,860	291,728	2,150,876	3,726,152	83,270	3,809,422
2018	562,026	78,366	30,247	670,639	417,894	511,356	384,834	1,314,084	1,984,723	193,316	2,178,039
2019	1,012,458	322,158	10,975	1,345,591	914,657	568,778	219,533	1,702,968	3,048,559	131,516	3,180,075
2020	330,879	78,112	22,514	431,505	222,086	360,065	444,255	1,026,406	1,457,911	89,414	1,547,325
Total	7,434,070	2,602,749	940,625	10,977,444	7,009,017	4,546,332	3,602,082	15,157,431	26,134,875	1,173,654	27,308,529

¹ Table A delivered and not exchanged or transferred or stored² Other SWP = SWP Exchanges, Transfers, Carryover Storage, Flexible Storage, Article 21, Pool A/B, settlement³ Non-SWP = banking, non-SWP transfers and exchanges, Dry Year Purchase Program, local water, general conveyance water, operations exchange⁴ Deliveries made to non State Water Contractors. Does not include FSRA, include BBID and CVC. Del="Y", SWP="N"**Table 12: State Water Project Water Management Activities, CY 2010 through 2020, percentages**

SWP Deliveries--Percentages								
	=(a) / (d)	=(b) + (c) / (d)	= (c) / (d)	= (e) / (h) Other	= ((f) + (g)) / (h)	= (g) / (h)	= (j) / (k)	=(c)+(g)+(j) / (k)
MWD Table A	MWD Non-Table A	MWD Non-SWP	Contractors Table A	Other Contractors Non-Table A	Other Contractors Non-SWP	Non SWC to Total	Total non-SWP to Total	
2010	50.8%	49.2%	21.1%	49.0%	51.0%	25.4%	5.3%	27.4%
2011	53.8%	46.2%	9.2%	60.8%	39.2%	9.1%	1.7%	10.7%
2012	74.0%	26.0%	0.8%	57.3%	42.7%	15.4%	3.7%	12.5%
2013	70.3%	29.7%	13.0%	38.2%	61.8%	30.1%	5.8%	27.5%
2014	14.9%	85.1%	28.7%	3.7%	96.3%	71.7%	8.3%	59.5%
2015	67.1%	32.9%	26.2%	31.3%	68.7%	46.9%	4.0%	40.9%
2016	94.8%	5.2%	4.0%	59.9%	40.1%	19.4%	3.0%	14.9%
2017	68.8%	31.2%	2.4%	53.3%	46.7%	13.6%	2.2%	10.8%
2018	83.8%	16.2%	4.5%	31.8%	68.2%	29.3%	8.9%	27.9%
2019	75.2%	24.8%	0.8%	53.7%	46.3%	12.9%	4.1%	11.4%
2020	76.7%	23.3%	5.2%	21.6%	78.4%	43.3%	5.8%	35.9%
Total	67.7%	32.3%	8.6%	46.2%	53.8%	23.8%	4.3%	20.9%

The SWP has transformed from being solely a transporter of SWP water to a transporter of other water sources as well for Metropolitan, other State Water Contractors, and non-Contractors. The reason for this is quite simple: the SWP has allocated only about 50 percent on average of the water due to State Water Contractors. The State Water Contractors have a significant investment in the costs of operating, maintaining and financing the SWP, and have developed creative programs to develop additional supplies and improved supply reliability by using the SWP as a transportation system. Specifically, during times of shortage or low SWP supply allocations, Metropolitan uses the SWP facilities to transport non-SWP water, which is water it has acquired through use of non-SWP sources, to its service area. When Metropolitan conveys non-project water, it is using the SWP transportation facilities in transactions that have nothing to do with SWP water supply. The ability to move non-SWP water through the SWP facilities, either as a result of purchases of non-SWP water or withdrawals from banking programs, enhances Metropolitan's operational flexibility and contributes to regional system reliability from which all member agencies benefit.

In addition, Metropolitan has, from time to time, used its capacity in the SWP to wheel non-Metropolitan water to its member agencies. Examples include water delivered to Santa Margarita Water District (1,665.2 acre-feet net in 1998-2000) and Irvine Ranch Water District (1,000 acre-feet in 2015), sub-agencies of the Municipal Water District of Orange County, and for the San Diego County Water Authority (23,077 acre-feet in 2008 and 15,520 acre-feet net in 2009).

The costs of the SWP conveyance facilities are paid pursuant to Metropolitan's State Water Contract. DWR's Transportation Charge recovers the costs associated with the various aqueduct reaches that deliver project water to the Contractors. The Capital and fixed OMP&R portions of the SWP Transportation Charge recover costs from the Contractors based on the accumulation of allocated costs for each aqueduct reach to each Contractor. Unlike the Delta Water Charge, which is uniform for a unit of Table A water, the allocation of these portions of the Transportation Charge will vary based on the aqueduct segments needed to deliver water to a specific Contractor. The further a Contractor is from the Delta and the greater its capacity in the transportation facilities, the greater its allocation of the Capital and fixed OMP&R Transportation Charges. Payment of the Transportation Charge allocates Contractors the right to use their capacity in the SWP facilities for transportation of SWP or non-SWP water, on a space available basis, under the SWC. A Contractor that participates in the repayment of a particular reach, or segment of the SWP, has already paid the costs of using that reach for the conveyance of water supplies through the Transportation Charge. On average, Metropolitan pays approximately 57 percent of the total fixed transportation costs of the SWP.

Delta Conveyance

In May 2019, Governor Newsom announced actions to begin the environmental review process for a single-tunnel conveyance in the Delta (which has become known as the "Delta Conveyance Project"). At this time, the environmental review process of Delta Conveyance is underway. Metropolitan is working with the administration to advance the single-tunnel project.

DWR has not provided an analysis for how it proposes to categorize the capital financing and operating costs of the Delta Conveyance Project on State Water Contractor Statement of Charges. In fiscal year 2022/23, Metropolitan's planned contribution for Delta Conveyance Project planning activities are budgeted at \$34.5 million in fiscal year 2022/23 and \$64.5 million in fiscal year 2023/24, as explained above. Metropolitan has allocated these costs as transportation costs based on the intended function of the facility, which is to convey water from the Delta.

Conveyance and Aqueduct: CRA

The CRA has also transformed from being source dedicated to delivering only Metropolitan's entitlement of Colorado River water to a delivery system supporting many different supply sources. Specifically, Metropolitan uses the CRA to:

- transport water made available as a result of cooperative programs implemented through agreements with other water agencies, either in the year made available or in a subsequent year as intentionally-created surplus from Lake Mead storage to its service area;
- recharge water in a groundwater basin so that it can subsequently plan to recover it for delivery to Metropolitan's service area; and
- exchange water with and deliver water in advance to other water agencies.

When Metropolitan conveys water made available as a result of cooperative programs implemented through agreements with other water agencies, to recharge water and subsequently recover it, or to exchange water with or deliver water in advance to other agencies, it is by definition using the CRA as a transportation facility. The ability to convey such water through the CRA facilities enhances Metropolitan's operational flexibility and contributes to regional system reliability for the benefit of all member agencies. Metropolitan's total calendar year CRA water management activities from 2010 through 2020 are shown in Table 13.

Table 13: CRA Water Management Activities in Acre-Feet, CY 2010 through 2020

CRA Water Management Activities--Acre-Feet								
	(a)	(b)	(c)	(d)	(e)	(f)	(g) = (a) / (f)	= ((f) - (a)) / (f)
				Other, including	MWD			
	Priority 4 & 5	IID/MWD	PVID + Bard**	Storage (to)/from	Exchange w SDCWA	Total Net Diversions	Priority 4 & 5 to Total	Non Priority 4 and 5 to Total
2010	815,525	97,000	148,600	(113,571)	151,507	1,099,061	74.2%	25.8%
2011	485,178	99,940	122,200	(151,571)	143,243	698,990	69.4%	30.6%
2012	467,166	93,677	73,700	(85,285)	186,861	736,119	63.5%	36.5%
2013	545,087	98,307	32,750	156,315	180,256	1,012,715	53.8%	46.2%
2014	484,937	84,305	43,010	383,959	180,123	1,176,334	41.2%	58.8%
2015	616,685	101,105	94,477	187,311	179,347	1,178,925	52.3%	47.7%
2016	613,491	90,374	126,383	(11,503)	178,278	997,023	61.5%	38.5%
2017	590,021	105,000	121,689	(319,009)	179,326	677,027	87.1%	12.9%
2018	663,915	105,000	95,752	(183,305)	207,746	889,108	74.7%	25.3%
2019	610,573	105,000	44,477	(460,154)	237,711	537,607	113.6%	-13.6%
2020	721,720	105,000	49,933	(331,235)	270,200	815,618	88.5%	11.5%
Total	2,797,893	1,084,708	903,038	(136,659)	2,094,598	6,743,578	41.5%	58.5%

(a) Use by holders of Indian and Miscellaneous present perfected rights and use by holders of Priorities 1, 2, and 3b above 420,000 acre-feet absent the Metropolitan-PVID Land Management, Crop Rotation, and Water Supply Program have been deducted from the Priority 4 supply of 550,000 acre-feet.

In the 11 calendar years ending 2020, approximately 42 percent of the CRA diversions to Metropolitan represent Metropolitan's entitlements under the Seven Party Agreement system. The remaining 58 percent represents volumes of Colorado River water moved through other programs. Metropolitan periodically transports water for Tijuana, Mexico through the CRA. Recent amounts are 316 acre-feet in calendar year 2018, 706 acre-feet in 2019, and 1,502 acre-feet in 2020.

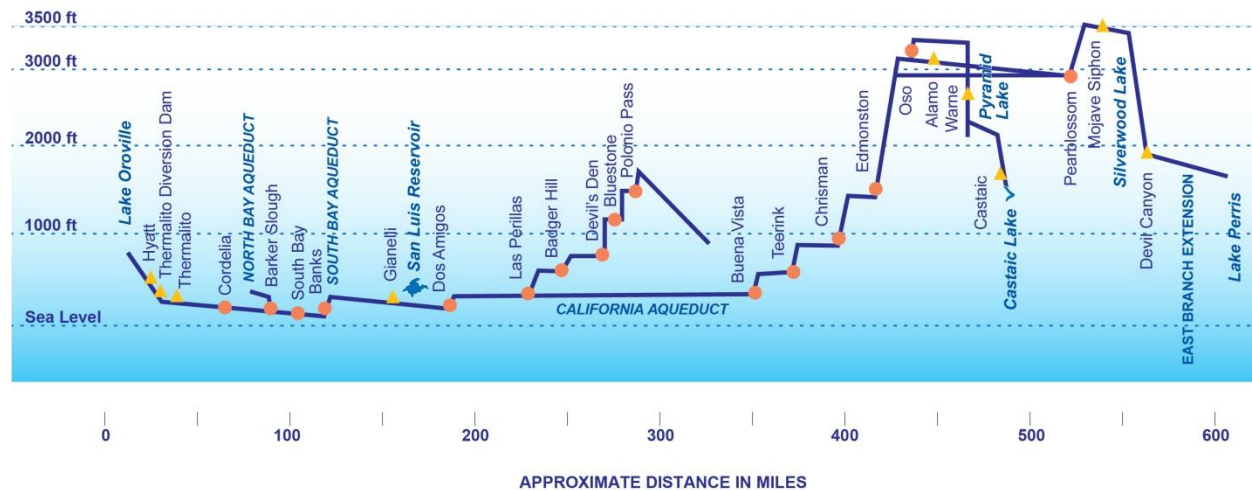
With regard to use as a transportation facility, the CRA differs from the SWP's California Aqueduct in that the capacity of the CRA is uniform through its entire length. The CRA was designed to move a relatively uniform volume of water through its entire length, and Metropolitan relies on the entire length to move water. There are no "reaches", or segments of the aqueduct, that are associated with deliveries to take-out points. The 4 regulating reservoirs are small, so water cannot be "batched" like the SWP, where pumps are cycled on and off to take advantage of cheaper time periods of the day to use electricity. Unlike the SWP, each CRA pump is uniformly sized at 225 cfs; none are variable speed pumps. This means the pumps are either operating at 225 cfs of capacity or are off at 0 cfs.

The costs of the CRA itself are paid by Metropolitan directly, as it operates the CRA. Metropolitan incurs capital and operations and maintenance expenditures to support the CRA activities. The costs of the CRA activities include labor, materials and supplies, outside services to provide repair and maintenance, and professional services. The CRA activities benefit from Water System Operations support services and management supervision, as well as Administrative and General activities of Metropolitan. Metropolitan finances past, current and future capital improvements on the CRA, and capitalizes those improvements as assets. The costs of Metropolitan's capital financing activities are apportioned to operational functions, such as conveyance and aqueduct.

Conveyance and Aqueduct: SWP Power

In addition to the charges for supply (the Delta Water Charge capital and OMP&R) and Transportation (Transportation Capital and OMP&R), DWR also charges for the power needed to deliver project water throughout the system. Two charges recover these power costs: the variable OMP&R portion of the Transportation Charge (Variable Charge) and the Off-Aqueduct Power Facilities (OAPF) charge. Because the State Water Contracts are cost recovery contracts, DWR invoices Contractors on an estimated basis for any calendar year, and then provides credits in later years once cost true-ups are finished.

Figure 14: Pumping Lift and Recovery Generation Facilities, SWP



The Variable Charge includes the annually estimated cost of purchased power including capacity and energy, cost of SWP power generation facilities, program costs to offset annual fish losses at the Banks Pumping Plant, purchased transmission services, and credits for sales of ancillary services and excess SWP system power sales. The various lifts and recovery generation facilities of the SWP are shown in Figure 14; the orange circles indicate pumps to lift water, and the yellow triangles indicate recovery generation facilities.

The Variable Charge is calculated on the basis of the energy required to pump an acre-foot of water to its take-out point multiplied by the system energy rate, less energy from the recovery generation plants. The system energy rate is a system-wide average rate calculated as the net cost of energy--total costs less revenues--divided by the net energy required to pump all water. That rate is applied to each acre-foot of water delivered to SWP customer based on the power required to pump the water to designated delivery points on the system. DWR can adjust the system energy rate as the calendar year progresses in order to reflect actual costs.

The OAPF charge recovers only ongoing environmental remediation costs of power generation facilities not on the aqueduct, namely Reid Gardner Unit 4, and is negligible at this time.

The SWP uses low-cost hydroelectric and recovery generation resources, but they only provide about 50 percent of the SWP energy needs in an average water year. The SWP relies on the wholesale market and contractual resources with exposure to market price volatility for as much as 30 to 35 percent of its needs, using other contractual resources to fill in the difference.

The SWP energy required to move water to Metropolitan is related to the transportation on the East Branch through Devil Canyon and on the West Branch through Castaic. Because Metropolitan moves the largest amount of water on the SWP and Metropolitan's delivery points on the East and West Branch are at or near the southern extreme of the SWP, Metropolitan pays approximately 70 percent of the SWP power costs. The cost of power per acre-foot to Metropolitan's delivery points on the East and West Branches are shown in Table 14.

Table 14: Cost of SWP Power for Metropolitan Terminal Delivery Points, \$ per Acre-Foot

	CY 2017 DWR	CY 2018 DWR	CY 2019 DWR	CY 2020 DWR	CY 2021 Estimated	CY 2022 Estimated	CY 2023 Estimated
East Branch	\$149.60	\$173.92	\$157.28	\$171.47	\$287.46	\$369.32	\$307.83
West Branch	\$148.70	\$161.50	\$144.89	\$167.40	\$274.45	\$395.45	\$329.61

The SWP energy costs are impacted by two factors. First, the annual hydrology, secondly the energy policies of the state of California. The SWP has invested heavily in hydroelectric power generation facilities. The unit cost of operating the power facilities declines as the amount of available water increases. The SWP is acquiring renewable resources, primarily solar to date, to meet its obligation to reduce greenhouse gas emissions. The SWP energy costs are also impacted by the increasing cost of using the California Independent System Operator's (CAISO) grid to deliver power from its generating sources and the wholesale power market to its pumping loads. The SWP does not own high voltage transmission facilities and must use the CAISO grid to move power. Finally, the SWP has an obligation to acquire and surrender emissions allowances for the generating facilities the SWP owns, primarily the Lodi Energy Center.

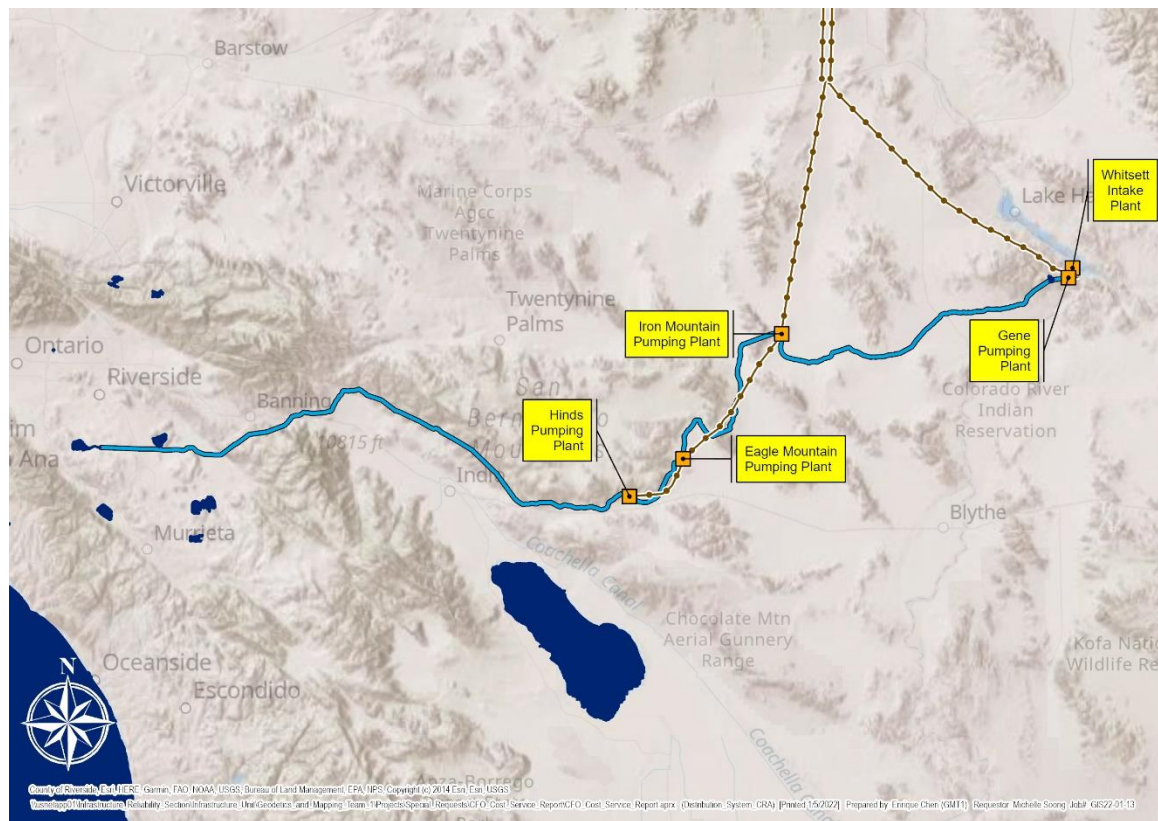
Conveyance and Aqueduct: CRA Power

Metropolitan operates five pumping plants on the CRA, which are shown in Figure 15. Water enters the aqueduct system from Lake Havasu at the Whitsett Intake Pumping Plant (Intake). It is then pumped to its highest elevation of 1,807 feet above sea level at the Hinds Pumping Plant (Hinds), which is about 126 miles west of Intake. Five pumping plants lift the water a total of 1,617 feet to the Hinds Pumping Plant. From Hinds, the water flows 116 miles by gravity to Lake Mathews.

Metropolitan currently has four basic sources of power available to meet CRA energy requirements: Hoover Power, Parker Power, wholesale purchases from inside and outside of the California Independent System Operator (CAISO). For wholesale power purchases within the CAISO, the standard index is South-of-Path 15 for southern California (SP15) to indicate CAISO power prices, whereas wholesale power purchases outside of CAISO utilize the MEAD bi-lateral index. MEAD substation is an import interconnection point for power into CAISO and can be utilized by Metropolitan to import power for the CRA from entities throughout the western United States. For budgeting purposes, it is assumed that Metropolitan buys supplemental power at forecasted SP15 rates.

Under a contract between the United States, Department of Energy, Western Area Power Administration, and Metropolitan, Metropolitan currently has a right to approximately 250 megawatts (MW) of capacity at the Hoover Dam power plant. Metropolitan has an annual firm energy entitlement of 1,291,227 megawatt-hours (MWh). The cost charged to Metropolitan for Hoover power is based on the revenue required by the U.S. Bureau of Reclamation to operate and maintain the power plant. This source of power has historically been at a lower cost than power purchased at market rates.

Metropolitan funded the total cost of construction of Parker Dam and incidental facilities, and 50 percent of the construction cost of the Parker Power plant. In consideration for this funding, Metropolitan is entitled in perpetuity to 50 percent of the capacity and energy of the four Parker generating units, which is approximately 54 MW of capacity. Parker power is also cost-based.

Figure 15: Metropolitan CRA Pumping Plants

Metropolitan's current basic power resource mix comprised of generation from Hoover and Parker dams is very cost effective but is not enough to provide power supply to pump Metropolitan's Colorado River water supplies in all years. For that reason, Metropolitan is required to purchase additional or supplemental power to transport Colorado River water supplies in some years. As a result, Metropolitan requires any party seeking to wheel non-Metropolitan water through its CRA to purchase, or arrange for Metropolitan to purchase, the power supplies required to pump that water. Any Colorado River water that is pumped through Metropolitan's CRA is diverted above Parker Dam and cannot generate energy for Metropolitan's use at the Parker Dam Power plant. To compensate for this loss, an additional 32 kilowatt-hours per acre-foot are required to make Metropolitan whole for undertaking to pump non-Metropolitan water through the CRA that would otherwise have flowed through the Parker Power plant. In total, 2,032 kilowatt-hours (or 2.032 MWh) of energy must be provided to Metropolitan to convey each acre-foot of non-Metropolitan water supplies through the CRA.

Supplemental power can be purchased to pump non-Metropolitan water through the CRA. The market rate for electric energy prices is regularly tracked and published for various regions in California. Metropolitan uses the CAISO Open Access Same-time Information System (OASIS) Day Ahead Locational Marginal Price as reflective of the supplemental power costs for electric energy used for its pumping plants on the CRA. The regional index applicable to energy sold for use on the CRA is designated as South-of-Path 15, or SP15, and is reflective of Southern California market energy prices.

Any party seeking to pump non-Metropolitan water through the CRA would have to purchase, or arrange for Metropolitan to purchase on its behalf, supplemental power. The market costs for purchases of power for the CRA are reflected in the CAISO OASIS Day Ahead Locational Marginal Price. Because Metropolitan utilizes the pumping capacity on the CRA for its own water supplies during off-peak hours to minimize its costs, the pumping of non-Metropolitan wheeled water would occur during on-peak hours and the on-peak price index published on the CAISO OASIS Day Ahead Locational Marginal Price is indicative of the price that would be paid to pump non-Metropolitan water.

Table 15: Cost of CRA Power Sources, \$ per Megawatt-hour (MWh)

	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Hoover ¹	\$17.86	\$18.46	\$18.33	\$17.64	\$15.76
Parker ¹	\$15.40	\$14.38	\$17.67	\$18.34	\$15.86
SP15, off-peak ²	\$26.48	\$28.27	\$38.52	\$27.29	\$35.73
SP15, on-peak ³	\$33.46	\$38.84	\$49.97	\$31.69	\$46.60
MEAD, off-peak ⁴	\$22.94	\$25.09	\$31.89	\$23.61	\$36.98
MEAD, on-peak ⁵	\$30.25	\$33.16	\$44.31	\$29.01	\$65.89

¹Information from Annual Reports for years 2017, 2018, 2019, 2020 and 2021

²SP15, off-peak is used to determine Metropolitan's off-peak energy costs. The costs were calculated by taking the annual average.

³SP15, on-peak is used to determine the market value of Metropolitan sales of excess energy, if any. SP15, on-peak is also used to determine the pumping costs associated with pumping non-Metropolitan water through the CRA system, unless otherwise provided by contract. The costs were calculated by taking the annual average.

⁴MEAD, off-peak is used to determine Metropolitan's off-peak supplemental energy costs imported at MEAD substation for power outside of the CAISO.

⁵MEAD, on-peak is used to determine Metropolitan's on-peak supplemental energy costs imported at MEAD substation for power outside of the CAISO.

The market value of Metropolitan's sales of excess energy, when not all power supply is needed for the CRA pumps, if any is valued at SP15 index for on and off-peak periods.

Metropolitan from time to time sells excess energy into the wholesale market and realizes revenues, which offset the total cost of energy as reflected in the System Power Rate. If Metropolitan were to deliver additional water through the CRA, these sales become a lost opportunity. The on-peak price index published on the CAISO OASIS Day Ahead Locational Marginal Price is indicative of the price that Metropolitan could realize by selling excess energy.

Table 16: South-of-Path 15 On-Peak Energy Prices (\$/MWh*)

	CY 2017	CY 2018	CY 2019	CY 2020	CY 2021
January	\$ 36.22	\$ 37.09	\$ 42.56	\$ 33.60	\$ 33.22
February	\$ 28.52	\$ 36.84	\$ 72.73	\$ 26.85	\$ 71.09
March	\$ 23.97	\$ 32.39	\$ 35.98	\$ 25.49	\$ 29.91
April	\$ 26.71	\$ 27.69	\$ 24.83	\$ 17.11	\$ 28.04
May	\$ 32.08	\$ 24.12	\$ 20.25	\$ 16.81	\$ 26.59
June	\$ 38.14	\$ 31.45	\$ 24.81	\$ 23.72	\$ 56.06
July	\$ 41.49	\$ 101.04	\$ 35.24	\$ 31.63	\$ 78.89
August	\$ 54.96	\$ 85.22	\$ 36.39	\$ 108.05	\$ 65.08
September	\$ 43.18	\$ 38.32	\$ 40.35	\$ 46.14	\$ 72.09
October	\$ 47.86	\$ 41.09	\$ 35.71	\$ 48.29	\$ 57.89
November	\$ 44.82	\$ 55.50	\$ 37.44	\$ 39.32	\$ 60.14
December	\$ 44.21	\$ 57.26	\$ 37.80	\$ 40.80	\$ 63.40

*MWh = megawatt-hour, or 1,000 kilowatt-hours

The budget assumes all supplement energy purchased at forecasted SP 15 rates.

Metropolitan has an obligation to acquire and surrender emissions allowances for fossil-fuel energy generated out-of-state and imported into California through its 230,000-volt transmission system. Alternatively, Metropolitan can purchase power in California, which already incorporates any necessary emissions allowances, but must pay to use the CAISO transmission network. Metropolitan has contracted with Arizona Electric Power Cooperative (AEP) to provide energy management and scheduling services on a per Megawatt-hour basis. AEP also provides operational services for Metropolitan's CRA transmission system, assuring compliance with federal reliability requirements. Finally, Metropolitan's CRA power system is within the Balancing Authority Area of the CAISO; Metropolitan incurs Grid Management Charges from the CAISO on a per Megawatt-hour basis and may realize a Resource Adequacy obligation depending on its pumping load and available firm resources.

Storage

Storage costs include the capital financing, operating, maintenance, and overhead costs for Diamond Valley Lake, Lake Mathews, Lake Skinner, and five smaller regulatory reservoirs within the Distribution System. Metropolitan's larger storage facilities are operated to provide: (1) emergency storage in the event of an earthquake or similar system outage; (2) drought storage that produces additional supplies during times of shortage; and (3) regulatory storage to balance system demands and supplies and provide for operating flexibility. To reasonably allocate the costs of storage capacity among member agencies, the storage function is categorized into sub-functions of emergency, drought, and regulatory storage.

Table 17: Functional Assignment of Metropolitan Storage Facilities

Storage Facilities	Functional Assignments		
	Emergency	Drought	Regulatory
Diamond Valley Lake	54%	33%	13%
Other Regulatory			100%
Lake Skinner	77%		23%
Lake Mathews	44%		56%
Semi-Tropic		100%	
Arvin-Edison		100%	
CRA Off-Stream		100%	
Groundwater Conjunctive Use		100%	

(a) DVL allocations are based on the 2019 Update of Metropolitan's Emergency Storage Objective, the 2010-2019 DVL Daily Average Available Storage, and the WSO Regulatory Storage White Paper.

(b) Lake Skinner and Lake Matthews allocation percentages are derived from the 2019 Update of Metropolitan's Emergency Storage Objective, and the WSO Regulatory Storage White Paper.

Treatment

This function includes capital financing, operating, maintenance, and overhead costs for Metropolitan's five treatment plants and is considered separately from other costs so that the treatment function may be priced separately.

Distribution

This function includes capital financing, operating, maintenance, and overhead costs for the Distribution System of feeders, canals, pipelines, laterals, and other appurtenant works. The Distribution System facilities are distinguished from Conveyance and Aqueduct facilities at the point of connection to the SWP, Lake Mathews (CRA), and other major turnouts along the CRA facilities. Examples include the Rialto Pipeline; the Etiwanda Pipeline; the Foothill Feeder; the Sepulveda Feeder; the Santa Monica Feeder; the Upper, Middle, and Lower Feeders; and the San Diego Pipelines No.1, No. 2, No. 3, No. 4, and No. 5.

Demand Management

A separate demand management function has been used to clearly identify the cost of Metropolitan's programs designed to reduce the need to import water, such as conservation, incentives for local resource projects like recycling and desalination, the Future Supply Action Program, and the Stormwater Pilot Program. Demand management is an important part of Metropolitan's resource management efforts. Metropolitan's incentives in these areas contribute to savings for all users of the system in terms of lower capital costs that would otherwise have been required to expand and maintain the system.

Metropolitan increased the emphasis on Demand Management programs after the devastating drought of the early 1990's. Metropolitan's 1996 Integrated Resources Plan identified the Preferred Resource Mix as the resource plan that achieved the region's reliability goal of providing the full capability to meet all retail-level demands during foreseeable hydrologic events, represented the least-cost sustainable resources plan, met the region's water quality objectives, was balanced and diversified and minimized risks, and was flexible, allowing for adjustments should future conditions change.

The Preferred Resource Mix included locally developed water supplies and conservation and recognized that regional participation was important to achieve their development. Additional imported supplies frequently have relatively lower development costs but can create a large cost commitment for regional infrastructure to transport and store those imported supplies. On the other hand, local projects, like those designed to recycle water or increase groundwater production, may have higher development costs but require little or no additional infrastructure to distribute water supplies to customers. This trade-off between relatively lower-cost imported supplies requiring large regional infrastructure investments and relatively higher-cost local supply development requiring less additional local infrastructure was an important consideration in the development of the Preferred Resource Mix. A strategy of aggressively investing in imported water supply would lead to higher costs for the region because of the larger investments required in infrastructure.

Metropolitan's 1996 Integrated Resource Plan included an analysis of future demand scenarios and their effect on infrastructure requirements. A comparison of capital infrastructure costs with and without Demand Management Programs showed a difference of around \$2 billion. In other words, the ability to meet demand through local Demand Management Programs resulted in an anticipated \$2 billion in capital cost savings. A sensitivity analysis further showed that a 5 percent increase or decrease in demand had a correlative effect on when Metropolitan would need to incur capital infrastructure costs. Since then, Metropolitan has seen the benefits materialize. Metropolitan has been able to defer the need to build additional infrastructure such as the Central Pool Augmentation Project tunnel and pipeline, completion of San Diego Pipeline No. 6, the West Valley Interconnection, and the completion of the SWP East Branch expansion. Overall, the decrease in demand resulting from these projects is estimated to defer the need for projects between four and twenty-five years at a savings of approximately \$3 billion in 2019 dollars.

Since 1996, the Integrated Resources Plan has been updated three times, in 2004, 2010, and 2015, with a fourth update for 2020 in process, reaffirming long-term sustainability of the region's water supply through implementation of conservation and local resource development. Based on the 1996 IRP and its updates, Metropolitan determined Demand Management Programs decrease and avoid operating and capital maintenance and improvement costs, such as costs for repair of and construction of additional or expanded water conveyance, distribution, and storage facilities. Investments in demand side management programs like conservation, water recycling, and groundwater recovery help defer the need for additional conveyance, distribution, and storage facilities. The programs also free up capacity in Metropolitan's system to convey both Metropolitan water, and water from other non-Metropolitan sources.

Metropolitan allocated demand management costs to the transportation operational functions since the unbundling of its rate structure in 2001, which was implemented in January 2003. The functionalization of the costs was supported by the 1996 Integrated Resources Plan's (IRP) 25-year capital and resource planning, which expired this year. SDCWA challenged that allocation in court beginning in June 2010, alleging the Water Stewardship Rate could not be collected as part of Metropolitan's pre-set wheeling rate or the transportation rates charged under the SDCWA-Metropolitan Exchange Agreement. On June 21, 2017, the Court of Appeal entered a decision. The appellate court ruled Metropolitan may collect State Water Project transportation costs as part of Metropolitan's System Access Rate and System Power Rate in the wheeling rate and the Exchange Agreement price. However, the appellate court found the administrative record before it for the rates in calendar years (CYs) 2011 through 2014 did not support Metropolitan's inclusion of the Water Stewardship Rate in the wheeling rate or the transportation rates charged under the Exchange Agreement, but the opinion did not address the allocation in subsequent years based on a different record.

On September 21, 2021, the Court of Appeal issued a new appellate decision in which it interpreted its 2017 appellate decision. The Court of Appeal clarified that its 2017 decision regarding the Water Stewardship Rate was not limited to 2011-2014, and that it prohibits the inclusion of the Water Stewardship Rate in transportation rates charged under Metropolitan's wheeling rate and in the price term of the SDCWA-Metropolitan Exchange Agreement from 2015 forward. Accordingly, staff removed all Demand Management Cost Recovery Alternatives that include transportation rate elements for the Board Workshop on November 8, 2021. On November 23, 2021, the Metropolitan Board of Directors directed staff to incorporate 100 percent of demand management costs into the Supply rate elements the proposals for rates and charges.

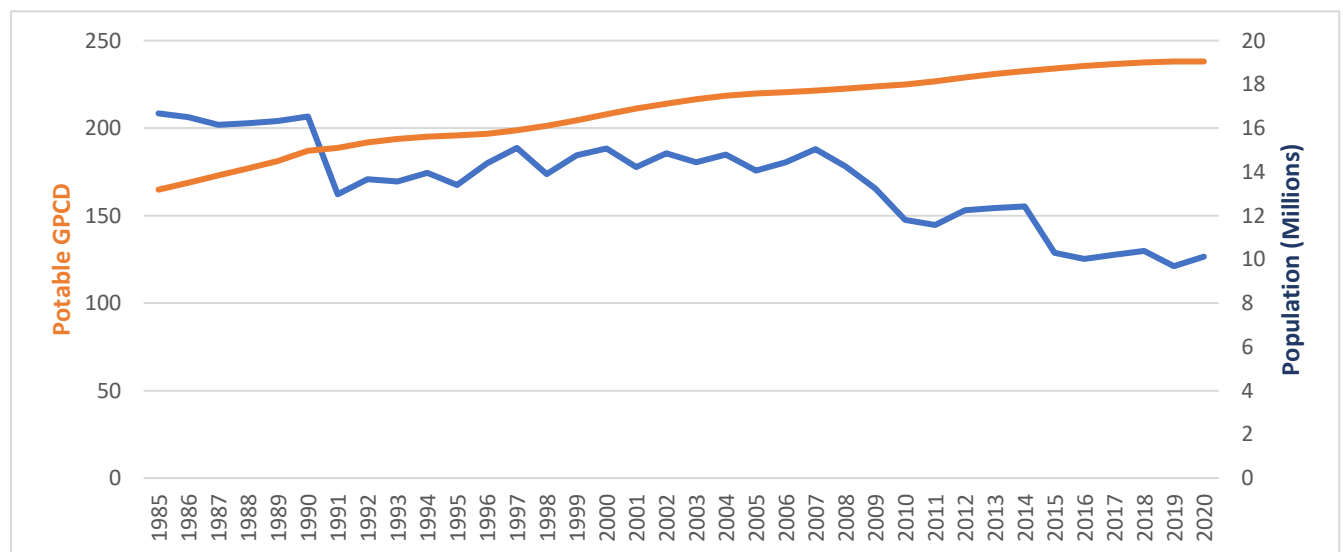
Accordingly, revenue requirements for demand management will be met with the Tier 1 and Tier 2 Supply Rates.

Demand Management: SB-60

In September 1999, Governor Gray Davis signed SB 60 (Hayden) into law. SB 60 amended the Metropolitan Water District Act to direct Metropolitan to increase “sustainable, environmentally sound, and cost-effective water conservation, recycling, and groundwater storage and replenishment measures.” SB 60 also requires Metropolitan to hold an annual public hearing to review its urban water management plan for adequacy in achieving an increased emphasis on cost-effective conservation and local water resource development, and to invite knowledgeable persons from the water conservation and sustainability fields to these hearings. Finally, Metropolitan is required to annually prepare and submit to the Legislature a report on its progress in achieving the goals of SB 60. SB 60 specifically indicated that no reimbursement was required by legislation because Metropolitan, as a local agency, has the authority to levy service charges, fees or assessments sufficient to pay for the program or level of service mandated by SB 60. No other water utility in California, public or private, has been specifically identified by the state Legislature and directed to pursue water conservation and local water resource development.

In fiscal year 2020/21 alone, Metropolitan’s service area achieved 1.7 million acre-feet of water savings from conservation, recycled water and groundwater recovery programs. Figure 16 below compares population in millions on the right axis and gallons per capita daily (GPCD) water use on the left axis. While the population has increased to approximately 19 million in 2020, GPCD water use has decreased to approximately 127 GPCD. These reductions derived from programs for which Metropolitan paid incentives, as well as code-based conservation achieved through legislation, building and plumbing codes and ordinances, and reduced consumption resulting from changes in water pricing. Cumulatively, since 1982 Metropolitan has invested \$1.5 billion and Metropolitan’s service area has achieved 7.6 million acre-feet of water savings. These water savings reduce per capita water demands, allowing Metropolitan to serve a growing population with existing supplies and without constructing additional facilities to import water.

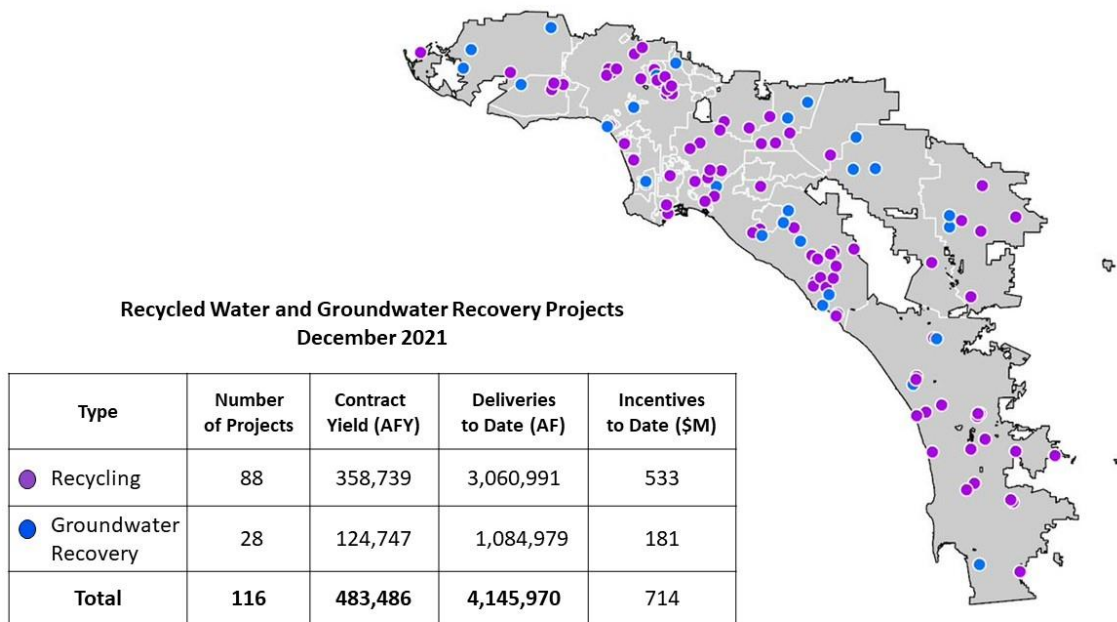
Figure 16: Population and Per Capita Daily Water Use



Metropolitan's Conservation Credits Program provides incentives to residents and businesses for use of water-efficient products and qualified water-saving activities. Rebates have been provided to residential customers for turf removal and purchasing of high-efficiency clothes washers and toilets. Rebates are also provided to businesses and institutions for water-saving devices. In fiscal year 2020/21, the Conservation Credits Program achieved 1.1 million acre-feet of saved water through new and existing conservation initiatives funded with incentives and maintained through plumbing codes. Cumulatively, through fiscal year 2020/21 the Conservation Credits Program has achieved 3.5 million acre-feet of water savings.

Metropolitan provides financial incentives through its Local Resources Program for the development and use of recycled water and recovered groundwater for the participants. The Local Resources Program consists of 88 recycling projects and 28 groundwater recovery projects located throughout Metropolitan's service area, of which 116 projects are in operation, as shown in Figure 17. From the Local Resources Program's inception in 1982 through FY 2020/21, Metropolitan has paid out about \$528 million in incentives to produce about 3.0 million acre-feet of recycled water. Metropolitan also provided approximately \$181 million to produce 1,099,000 acre-feet of recovered degraded groundwater for municipal use.

Figure 17: Local Resources Program Projects



Demand Management: SB X7-7, AB 1668, and SB 606

SB X7-7 mandated a new requirement to lower urban per capita water use 20 percent by December 31, 2020. Enacted by the state Legislature and signed into law by Governor Schwarzenegger as part of a historic package of water reforms in November 2009, the "20x2020" plan gave local communities flexibility in meeting this target while accounting for previous efforts in conservation and recycling. The Legislature found that reducing water use through conservation and regional water resources management would result in protecting and restoring fish and wildlife habitats, reducing dependence on water through the Delta, and providing significant energy and environmental benefits. Metropolitan coordinated closely with its member agencies to achieve these targets both at a retail agency level in compliance with legislative requirements, and as a region, in achieving a true 20 percent reduction in per-capita water use.

AB 1668 and SB 606 build on Governor Brown's efforts to make water conservation a way of life in California and create a new foundation for long-term improvements in water conservation and drought planning. These bills establish guidelines for efficient water use and a framework for the implementation and oversight of the new standards, which must be in place by 2022. The two bills strengthen the state's water resiliency in the face of future droughts with provisions that include:

- Establishing water use objectives and long-term standards for efficient water use that apply to urban retail water suppliers; comprised of indoor residential water use, outdoor residential water use, commercial, industrial and institutional (CII) irrigation with dedicated meters, water loss, and other unique local uses.
- Providing incentives for water suppliers to recycle water.
- Identifying small water suppliers and rural communities that may be at risk of drought and water shortage vulnerability and provide recommendations for drought planning.
- Requiring both urban and agricultural water suppliers to set annual water budgets and prepare for drought.

Metropolitan coordinates closely with its member agencies to achieve these provisions both at a retail agency level in compliance with legislative requirements and as a region.

Administrative and General (A&G)

These costs occur in each of the Groups' departmental budgets and reflect overhead costs that cannot be directly functionalized. The COS process allocates A&G costs to the operational functions based on the labor costs of non-A&G dollars allocated to each function.

Hydroelectric

Hydroelectric costs include the capital financing, operating, maintenance, and overhead costs incurred to operate the 16 small hydroelectric plants located throughout the water distribution system.

Functional Assignment Bases

The functional assignment bases are used to assign costs that make up the Revenue Requirement into the various operational functions. The primary functional assignment bases used in the COS process are listed below.

- Direct assignment
- Net Book Value plus Work-In-Progress
- Prorating in proportion to other allocations
- Manager analysis
- Prior year results

Schedule 3 summarizes the total dollar amounts assigned, including the absolute value of Revenue Offsets (rather than showing Revenue Offsets as a reduction to costs), using each of the above types of assignment bases, for FY 2022/23 and FY 2023/24. It assigns both total Revenue Requirements before Revenue Offsets and Revenue Offsets by summing the items before assigning dollars to the primary functional assignment bases. To ensure the correct amount has been assigned, the Revenue Requirement is restated at the bottom portion of each fiscal year chart.

Schedule 3: Summary of Functional Assignments by Type of Assignment Basis, FY 2022/23 and FY 2023/24

Primary Functional Assignment Bases	Estimated for FY 2023	% of Assigned Dollars
Direct Assignment	\$ 1,276,059,016	57.9%
Net Book Value	472,036,515	21.4%
Pro-Rating	112,359,841	5.1%
Manager Analysis	167,363,929	7.6%
Prior-Year Results	107,737,962	4.9%
Other	66,659,522	3.0%
Total Dollars Assigned	\$ 2,202,216,784	100.0%
Portion of Above Assignment Relating to:		
Revenue Requirements before Offsets	1,967,275,151	
Revenue Offsets	234,941,633	
Total Dollars Assigned	\$ 2,202,216,784	
Net Revenue Requirements		
Revenue Requirements before Offsets	1,967,275,151	
Revenue Offsets	(234,941,633)	
Net Revenue Requirements	\$ 1,732,333,518	

Totals may not foot due to rounding

Primary Functional Assignment Bases	Estimated for FY 2024	% of Assigned Dollars
Direct Assignment	\$ 1,314,610,179	58.1%
Net Book Value	483,649,174	21.4%
Pro-Rating	118,245,243	5.2%
Manager Analysis	172,096,269	7.6%
Prior-Year Results	109,615,811	4.8%
Other	64,100,985	2.8%
Total Dollars Assigned	\$ 2,262,317,661	100.0%
Portion of Above Assignment Relating to:		
Revenue Requirements before Offsets	2,036,967,561	
Revenue Offsets	225,350,101	
Total Dollars Assigned	\$ 2,262,317,661	
Net Revenue Requirements		
Revenue Requirements before Offsets	2,036,967,561	
Revenue Offsets	(225,350,101)	
Net Revenue Requirements	\$ 1,811,617,460	

Totals may not foot due to rounding

Each of the primary assignment bases is discussed in detail in the remainder of this section. Discussion of each assignment basis includes examples of costs assigned using that particular basis.

(a) Direct assignment

Direct assignment makes use of a clear and direct connection between a revenue requirement and the function being served by that revenue requirement. Directly assigned costs typically include: purely administrative costs; and certain distribution and conveyance departmental costs. Examples of costs that are directly assigned to specific functional categories are given below.

- Water Conveyance and Distribution, Desert Region Unit departmental O&M costs are directly assigned to Conveyance and Aqueduct, CRA.
- Transportation Capital and OMP&R charges for State Water Contract are directly assigned to Conveyance and Aqueduct SWP.

(b) Net Book Value Plus Work-In-Progress

Capital financing costs, including debt service and funding replacements and refurbishments from operating revenues, comprise about 24 percent in FY 2022/23 and 23 percent in FY 2023/24 of Metropolitan's annual revenue requirements. One approach would be to assign payments on each debt issue in direct proportion to specific project expenditures made using bond proceeds and assign PAYGO expenditures in a similar fashion. However, this approach would result in a high degree of volatility in relative capital cost assignments from year to year.

The approach used in this analysis is one widely used in water industry cost of service studies. Debt-related costs and PAYGO are allocated on the basis of the net book values of fixed assets plus work in progress for assets under construction within each functional category. This approach produces capital cost assignments that are consistent with the functional distribution of assets. Also, since the assignment basis is tied to fixed asset records rather than debt payment records, the resulting assignments are more reflective of the true useful lives of assets. Use of net book values as an assignment basis provides an improved matching of functional costs with asset lives. A listing of fixed asset net book values summarized by asset function is shown in Schedule 4 for FY 2022/23 and FY 2023/24.

Schedule 4: Net Book Value and Work in Progress Assignment Base, FY 2022/23 and FY 2023/24

Functional Categories	NBV for FY 2023	% of Total NBV
Source of Supply	\$ 354,980,855	4.0%
Conveyance & Aqueduct	1,947,472,918	21.7%
Storage	2,093,641,553	23.4%
Treatment	2,250,004,915	25.1%
Distribution	1,637,682,794	18.3%
Administrative & General	545,917,527	6.1%
Hydro-electric	134,462,445	1.5%
Total Fixed Assets Net Book Value	\$ 8,964,163,008	100.0%

Totals may not foot due to rounding

Functional Categories	NBV for FY 2024	% of Total NBV
Source of Supply	\$ 355,024,209	4.0%
Conveyance & Aqueduct	1,932,904,257	21.6%
Storage	2,073,708,957	23.2%
Treatment	2,228,514,685	24.9%
Distribution	1,666,619,997	18.6%
Administrative & General	558,022,939	6.2%
Hydro-electric	127,880,257	1.4%
Total Fixed Assets Net Book Value	\$ 8,942,675,301	100.0%

Totals may not foot due to rounding

In most instances, the cost of service process uses net book value plus work-in-progress to develop assignment bases for debt service costs and PAYGO. Examples of revenue requirements assignments using these net book value and work-in-progress assignments follow.

- Revenue Bond Debt Service: assigned using Net Book Value plus Work In Progress.
- Annual deposit of operating revenue to replacement and refurbishment fund: assigned using Net Book Value plus Work in Progress.

To calculate the relative percentage of fixed assets in each functional category, Metropolitan staff conducted a detailed analysis of historical accounting records and built a database of fixed asset accounts that contains records for all facilities currently in service and under construction. Each facility was sorted into the major operational function that best represented the facilities primary purpose and was then further categorized into the appropriate sub-functions described earlier.

(c) Pro-rating in proportion to other assignments

Utility COS studies frequently contain line items for which it would be difficult to identify an assignment basis specific to that line item. In these cases, the most logical assignment basis is often a pro-rata blend of assignment results calculated for other revenue requirements in the same departmental group, or general category. Reasonable pro-rata allocations are based on a logical nexus between a cost and the purpose which it serves. For example: Human Resources Section costs are allocated using all labor costs, since Human Resources spends its time and resources attending to the labor force.

(d) Manager analyses

The functional interrelationships of some organizational units are developed with extensive input from the organization's managers. In these cases, managers use their firsthand knowledge of the organization's internal operations to generate a functional analysis of departmental costs. For example, Fleet Services Unit costs are assigned to treatment, storage, conveyance, and distribution based on vehicle count by Section and Unit.

(e) Prior year results

If available, accounting data for the prior fiscal year by appropriation are used to functionalize Departmental O&M costs for several units or sections. Many of the appropriations parallel the operational functions used in the COS analysis. For example, Conveyance and Distribution Eastern and Western Units' costs are assigned to distribution, hydroelectric, and conveyance functions based on the prior year accounting data by appropriation.

A summary of the functional assignment results is shown in Schedules 5 through 8. Schedules 5 and 6 provide a breakdown of the revenue requirement for FY 2022/23 and FY 2023/24, respectively, into the major operational functions and sub-functions prior to the redistribution of administrative and general costs. Schedules 7 and 8 serve as a cross-reference summarizing how the budget line items are distributed among the operational functions for FY 2022/23 and FY 2023/24, respectively. The largest functional component of Metropolitan's revenue requirement is the Conveyance and Aqueduct function, which constitutes approximately 38.9 percent of the assigned revenue requirement in FY 2022/23 and 40.4 percent in FY 2023/24. Schedule 9 summarizes the budget line items distributed among the operational functions by sub-function for both FY 2022/23 and FY 2023/24.

Functional Assignment of Revenue Offsets

Revenue Offsets are assigned to the operational functions based on why these revenues were generated. For example, ad valorem property tax revenues are assigned to the General Obligation bonds debt service into Treatment and Distribution based on Net Book Values. The remaining property tax revenues are assigned proportionate to SWP costs. Hydroelectric sales revenues are assigned to the Hydroelectric function. Interest income is assigned to the operational functions proportional to Revenue Requirements. Miscellaneous revenues and fees are functionalized as Administrative and General, and thus are assigned to the operational functions proportional to Labor Costs.

Schedule 5: Revenue Requirement (by function), FY 2022/23

Functional Categories	Fiscal Year Ending 2023	% of Assigned Dollars (1)
Source of Supply		
CRA	\$ 56,762,382	3.3%
SWP	156,492,949	9.0%
Other Supply	32,812,835	1.9%
Total	246,068,166	14.2%
Conveyance & Aqueduct		
CRA		
<i>CRA Power</i>	114,028,912	6.6%
<i>CRA All Other</i>	68,570,768	4.0%
SWP		
<i>SWP Power</i>	185,999,280	10.7%
<i>SWP All Other</i>	234,914,644	13.5%
Other Conveyance & Aqueduct	71,508,116	4.1%
Total	675,021,719	38.9%
Storage		
Storage Costs Other Than Power		
<i>Emergency</i>	55,951,622	3.2%
<i>Drought</i>	53,141,677	3.1%
<i>Regulatory</i>	27,248,026	1.6%
Storage Power	(679,733)	0.0%
Total	135,661,592	7.9%
Treatment		
Jensen	52,637,404	3.0%
Weymouth	53,763,068	3.1%
Diemer	60,333,611	3.5%
Mills	30,525,772	1.8%
Skinner	51,453,692	3.0%
Total	248,713,547	14.3%
Distribution	197,734,332	11.4%
Demand Management	62,956,911	3.6%
Hydro-electric	518,358	0.0%
Administrative & General	165,658,893	9.6%
Total Functional Assignment:	\$ 1,732,333,518	100.0%
(1) Given as a percentage of the absolute values of total dollars Assigned. Totals may not foot due to rounding		

Schedule 6: Revenue Requirement (by function), FY 2023/24

Functional Categories	Fiscal Year Ending 2024	% of Assigned Dollars (1)
Source of Supply		
CRA	\$ 60,735,816	3.4%
SWP	158,764,118	8.8%
Other Supply	33,376,462	1.8%
Total	252,876,396	14.0%
Conveyance & Aqueduct		
CRA		
<i>CRA Power</i>	94,987,607	5.2%
<i>CRA All Other</i>	70,326,009	3.9%
SWP		
<i>SWP Power</i>	195,417,464	10.8%
<i>SWP All Other</i>	300,134,200	16.6%
Other Conveyance & Aqueduct	72,209,731	4.0%
Total	733,075,011	40.4%
Storage		
Storage Costs Other Than Power		
<i>Emergency</i>	56,596,559	3.1%
<i>Drought</i>	47,395,983	2.6%
<i>Regulatory</i>	27,933,017	1.5%
Storage Power	(545,067)	0.0%
Total	131,380,492	7.3%
Treatment		
Jensen	54,192,374	3.0%
Weymouth	55,419,085	3.1%
Diemer	62,283,734	3.4%
Mills	31,250,320	1.7%
Skinner	52,363,108	2.9%
Total	255,508,620	14.1%
Distribution	203,540,380	11.2%
Demand Management	67,345,945	3.7%
Hydro-electric	2,396,269	0.1%
Administrative & General	165,494,345	9.1%
Total Functional Assignment:	\$ 1,811,617,460	100.0%
(1) Given as a percentage of the absolute values of total dollars Assigned. Totals may not foot due to rounding		

Schedule 7: Operational function Revenue Requirements (by budget line item), FY 2022/23

Fiscal Year Ending 2023	Source of Supply	Conveyance & Aqueduct	Storage	Treatment	Distribution	Demand Management	Hydro Electric	Administrative & General	Total \$ Functionalized
Departmental Operations & Maintenance									
Office of General Manager	\$ 538,613	\$ 1,195,688	\$ 245,303	\$ 1,862,288	\$ 1,572,675	\$ 148,263	\$ 88,925	\$ 4,306,087	\$ 9,957,842
Water Systems Operations	14,498,575	47,221,374	2,342,311	111,574,663	91,592,399	-	5,181,374	6,322,939	278,733,635
Water Resources Management	17,556,220	56,546	-	-	466,643	6,869,749	-	39,582	24,988,740
Engineering Services	1,931,114	10,581,916	11,586,684	12,228,755	8,890,966	98,026	730,294	2,965,289	49,013,044
Bay Delta Initiatives	-	12,055,551	-	-	-	-	-	-	12,055,551
Business Technology	3,373,103	7,488,089	1,536,230	11,662,721	9,848,996	928,508	556,900	46,904,362	82,298,910
Real Property	1,820,635	9,573,015	2,378,571	-	3,600,158	-	-	11,992,697	29,365,077
Human Resources	1,074,050	2,384,328	489,160	3,713,597	3,136,078	295,652	177,326	4,384,226	15,654,418
Office of the Chief Financial Officer	-	-	-	-	-	-	-	28,941,344	28,941,344
External Affairs	-	-	-	-	-	2,888,626	-	24,761,586	27,650,213
General Counsel	-	-	-	-	-	-	-	15,833,730	15,833,730
General Auditor	-	-	-	-	-	-	-	4,599,034	4,599,034
Ethics Office	-	-	-	-	-	-	-	2,106,637	2,106,637
Sustainability, Resilience & Innovation	-	-	-	-	-	-	-	9,952,336	9,952,336
Diversity, Equity & Inclusion	-	-	-	-	-	-	-	1,426,735	1,426,735
Equal Employment Opportunity	-	-	-	-	-	-	-	1,975,822	1,975,822
Total Departmental O&M	40,792,309	90,556,508	18,578,260	141,042,024	119,107,915	11,228,825	6,734,820	166,512,406	594,553,066
General District Requirements									
State Water Contract	190,552,288	508,119,562	-	-	-	-	-	-	698,671,850
Colorado River Aqueduct Power Costs	-	105,857,041	-	-	-	-	-	-	105,857,041
Supply Programs (cash funded portion)	48,447,861	-	18,211,661	-	-	-	-	-	66,659,522
Demand Management (cash funded portion)	-	-	-	-	-	50,815,317	-	-	50,815,317
Capital Financing	16,589,556	90,905,714	99,537,336	105,544,356	77,856,873	842,109	6,273,715	25,473,811	423,023,470
Regional Recycled Water Program planning costs	-	-	-	-	-	-	-	-	-
Other Operating Costs	987,634	2,192,488	449,803	3,414,806	2,883,754	271,864	163,059	4,031,477	14,394,884
Increase/(Decrease) in Required Reserves	-	-	-	-	-	-	-	13,300,000	13,300,000
Total General District Requirements	256,577,339	707,074,805	118,198,800	108,959,162	80,740,627	51,929,291	6,436,774	42,805,287	1,372,722,085
Revenue Offsets	(51,301,482)	(122,609,594)	(1,115,468)	(1,287,639)	(2,114,210)	(201,205)	(12,653,235)	(43,658,800)	(234,941,633)
Net Revenue Requirements	\$ 246,068,166	\$ 675,021,719	\$ 135,661,592	\$ 248,713,547	\$ 197,734,332	\$ 62,956,911	\$ 518,358	\$ 165,658,893	\$ 1,732,333,518

* Includes Delta Conveyance planning costs

Totals may not foot due to rounding

Schedule 8: Operational function Revenue Requirements (by budget line item), FY 2023/24

Fiscal Year Ending 2024	Source of Supply	Conveyance & Aqueduct	Storage	Treatment	Distribution	Demand Management	Hydro Electric	Administrative & General	Total \$ Functionalized
Departmental Operations & Maintenance									
Office of General Manager	\$ 554,944	\$ 1,240,056	\$ 243,921	\$ 1,955,209	\$ 1,626,852	\$ 155,810	\$ 91,720	\$ 4,379,084	\$ 10,247,595
Water Systems Operations	14,513,937	48,644,580	2,326,768	115,810,688	93,283,482	-	5,309,164	6,443,823	286,332,441
Water Resources Management	18,002,178	58,272	-	-	472,999	7,073,551	-	40,791	25,647,792
Engineering Services	1,876,383	10,224,858	11,210,674	11,782,161	8,805,665	95,248	676,260	2,952,684	47,623,932
Bay Delta Initiatives	-	12,415,696	-	-	-	-	-	-	12,415,696
Business Technology	3,555,881	7,945,835	1,562,957	12,528,279	10,424,284	998,372	587,706	48,324,763	85,928,077
Real Property	1,821,973	9,580,054	2,380,320	-	3,602,806	-	-	12,001,516	29,386,669
Human Resources	1,093,764	2,444,083	480,755	3,853,611	3,206,437	307,092	180,774	4,353,162	15,919,677
Office of the Chief Financial Officer	-	-	-	-	-	-	-	25,693,953	25,693,953
External Affairs	-	-	-	-	-	2,999,011	-	25,149,418	28,148,429
General Counsel	-	-	-	-	-	-	-	15,716,806	15,716,806
General Auditor	-	-	-	-	-	-	-	4,737,939	4,737,939
Ethics Office	-	-	-	-	-	-	-	2,156,213	2,156,213
Sustainability, Resilience & Innovation	-	-	-	-	-	-	-	9,342,510	9,342,510
Diversity, Equity & Inclusion	-	-	-	-	-	-	-	1,483,649	1,483,649
Equal Employment Opportunity	-	-	-	-	-	-	-	2,070,834	2,070,834
Total Departmental O&M	41,419,060	92,553,434	18,205,394	145,929,947	121,422,524	11,629,085	6,845,623	164,847,144	602,852,212
General District Requirements									
State Water Contract	192,495,249	588,744,742	-	-	-	-	-	-	781,239,991
Colorado River Aqueduct Power Costs	-	85,626,149	-	-	-	-	-	-	85,626,149
Supply Programs (cash funded portion)	52,379,998	-	11,720,987	-	-	-	-	-	64,100,985
Demand Management (cash funded portion)	-	-	-	-	-	54,886,221	-	-	54,886,221
Capital Financing	17,101,944	93,192,573	102,177,604	107,872,645	81,737,024	868,119	6,163,645	26,911,689	436,025,242
Regional Recycled Water Program planning costs	-	-	-	-	-	-	-	-	-
Other Operating Costs	950,657	2,124,301	417,853	3,349,408	2,786,909	266,913	157,122	3,783,598	13,836,761
Increase/(Decrease) in Required Reserves	-	-	-	-	-	-	-	(1,600,000)	(1,600,000)
Total General District Requirements	262,927,848	769,687,765	114,316,445	111,222,053	84,523,933	56,021,252	6,320,767	29,095,287	1,434,115,349
Revenue Offsets	(51,470,512)	(129,166,188)	(1,141,347)	(1,643,379)	(2,406,077)	(304,392)	(10,770,121)	(28,448,085)	(225,350,101)
Net Revenue Requirements	\$ 252,876,396	\$ 733,075,011	\$ 131,380,492	\$ 255,508,620	\$ 203,540,380	\$ 67,345,945	\$ 2,396,269	\$ 165,494,345	\$ 1,811,617,460

* Includes Delta Conveyance planning costs

Totals may not foot due to rounding

Schedule 9: Revenue Requirement by sub-function and budget line item, FY 2022/23 and FY 2023/24

Fiscal Year Ending 2023	Supply			Conveyance & Aqueduct					Storage				Treatment	Distribution	Demand Mgt.	Hydro	Total
	CRA	SWC	Other	CRA power	CRA other	SWC power	SWC other	Other C&A	Emergency	Drought	Regulatory	Power					
Dept. Operations & Maintenance	9,515,545	16,555,050	14,721,714	3,584,263	54,378,539	-	24,218,050	8,375,656	8,102,451	6,191,901	4,283,907	-	141,042,024	119,107,915	11,228,825	6,734,820	428,040,660
General District Requirements																	
State Water Contract*																	
Capital	-	80,437,139	-	-	-	(4,981,305)	70,506,317	-	-	-	-	-	-	-	-	-	145,962,151
O&M	-	110,115,149	-	-	-	248,537,194	194,057,356	-	-	-	-	-	-	-	-	-	552,709,699
Colorado River Aqueduct Power				105,857,041	-	-	-	-	-	-	-	-	-	-	-	-	105,857,041
Supply Programs	47,197,861	-	1,250,000	-	-	-	-	-	-	18,211,661	-	-	-	-	-	-	66,659,522
Demand Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50,815,317	-	50,815,317
Capital Financing Program	-	-	16,589,556	8,252,673	13,094,802	-	6,400,032	63,158,208	47,831,816	28,758,037	22,947,482	-	105,544,356	77,856,873	842,109	6,273,715	397,549,660
Regional Recycling Water Project	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Operating Costs	230,383	400,819	356,431	86,780	1,316,573	-	586,350	202,785	196,171	149,914	103,719	-	3,414,806	2,883,754	271,864	163,059	10,363,408
Revenue Offsets	(181,407)	(51,015,208)	(104,867)	(3,751,844)	(219,146)	(57,556,609)	(60,853,461)	(228,534)	(178,816)	(169,836)	(87,082)	(679,733)	(1,287,639)	(2,114,210)	(201,205)	(12,653,235)	(191,282,833)
Admin. & General	9,015,903	24,856,696	5,211,856	2,520,004	9,886,136	1,140,512	33,026,630	6,461,527	1,559,833	8,440,805	2,213,950	(4,168)	24,052,057	24,370,937	9,999,817	2,906,399	165,658,893
Net Revenue Requirement	65,778,285	181,349,645	38,024,691	116,548,916	78,456,904	187,139,792	267,941,274	77,969,643	57,511,455	61,582,482	29,461,976	(683,901)	272,765,603	222,105,269	72,956,728	3,424,757	1,732,333,518

* Includes Delta Conveyance planning costs

Totals may not foot due to rounding

Fiscal Year Ending 2024	Supply			Conveyance & Aqueduct					Storage				Treatment	Distribution	Demand Mgt.	Hydro	Total
	CRA	SWC	Other	CRA power	CRA other	SWC power	SWC other	Other C&A	Emergency	Drought	Regulatory	Power					
Dept. Operations & Maintenance	9,658,647	16,925,532	14,834,881	3,723,313	56,032,184	-	24,731,191	8,066,746	7,883,144	6,102,879	4,219,371	-	145,929,947	121,422,524	11,629,085	6,845,623	438,005,068
General District Requirements																	
State Water Contract*																	
Capital	-	85,494,959	-	-	-	(3,654,765)	135,160,127	-	-	-	-	-	-	-	-	-	217,000,320
O&M	-	107,000,290	-	-	-	258,551,933	198,687,447	-	-	-	-	-	-	-	-	-	564,239,670
Colorado River Aqueduct Power				85,626,149	-	-	-	-	-	-	-	-	-	-	-	-	85,626,149
Supply Programs	51,129,998	-	1,250,000	-	-	-	-	-	-	11,720,987	-	-	-	-	-	-	64,100,985
Demand Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54,886,221	-	54,886,221
Capital Financing Program	-	-	17,101,944	8,985,031	13,325,626	-	6,597,704	64,284,211	48,788,287	29,646,263	23,743,054	-	107,872,645	81,737,024	868,119	6,163,645	409,113,554
Regional Recycling Water Project	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Operating Costs	221,687	388,478	340,493	85,458	1,286,060	-	567,634	185,149	180,935	140,074	96,844	-	3,349,408	2,786,909	266,913	157,122	10,053,163
Revenue Offsets	(274,515)	(51,045,141)	(150,856)	(3,432,344)	(317,861)	(59,479,704)	(65,609,904)	(326,375)	(255,807)	(214,222)	(126,252)	(545,067)	(1,643,379)	(2,406,077)	(304,392)	(10,770,121)	(196,902,016)
Admin. & General	9,254,692	24,191,870	5,085,778	2,334,472	9,704,552	915,348	36,789,625	6,052,762	1,414,981	7,222,019	2,098,179	(2,553)	23,546,266	23,719,615	10,261,918	2,904,822	165,494,345
Net Revenue Requirement	69,990,508	182,955,988	38,462,240	97,322,079	80,030,561	196,332,812	336,923,825	78,262,493	58,011,540	54,618,002	30,031,196	(547,620)	279,054,886	227,259,995	77,607,863	5,301,091	1,811,617,460

* Includes Delta Conveyance planning costs

Totals may not foot due to rounding

Allocated Costs

In the cost allocation step, functionalized costs are further categorized based on the causes and behavioral characteristics of these costs. An important part of the allocation process is identifying which costs are incurred to meet average demands versus peak demands and which costs are incurred for standby. As with the functional assignment process, the proposed allocation process is consistent with AWWA guidelines, but has been tailored to meet Metropolitan's specific operational structure and service environment.

Two methods are discussed in the AWWA M1 Manual, Principles of Water Rates, Fees and Charges. These two methods are the Commodity/Demand method and the Base/Extra Capacity method.

In the simplest sense, these approaches offer alternative means of distinguishing between utility costs incurred to meet average or base demands and costs incurred to meet peak demands. The Commodity/Demand method allocates costs that vary with the amount of water produced to the commodity category with all other costs associated with water production allocated to the demand category. In the Base/Extra Capacity method, costs related to average demand conditions are allocated to the base category, and capacity costs associated with meeting above average demand conditions are allocated to the extra capacity category.

The Commodity/Demand approach was modified for its application to Metropolitan's rate structure by adding a separate cost allocation for costs related to standby. Analysis of system operating data indicated that a modified Commodity/Demand approach was most appropriate for developing Metropolitan's cost of service allocation bases.

A modified Commodity/Demand approach is the most appropriate for Metropolitan's cost of service needs because this approach is best suited for systems that are not designed to meet peak-day or peak-hour demands or provide flows for fire-fighting requirements. Metropolitan's system is designed to meet weekly demand peaks rather than daily or hourly peaks. It is also designed to provide available capacity to meet operational flexibility and reliability for emergencies, outages, and hydrologic variability.

Allocation categories used in the analysis include:

- Fixed Demand costs
- Fixed Commodity costs
- Fixed Standby costs
- Variable Commodity costs
- Hydroelectric costs

Fixed Demand costs are incurred to meet peak demands. Only the *direct* capital financing costs were included in the Fixed Demand allocation category. A portion of capital financing costs was included in the Fixed Demand allocation category because in order to meet peak demands additional physical capacity is designed into the system and, therefore, additional capital costs are incurred.

Variable Commodity costs vary with the amount of water produced, and include costs of chemicals, most power costs, and other O&M cost components that increase or decrease in relation to the volume of water supplied. Fixed Commodity costs include fixed operations and maintenance and comprise the balance of Metropolitan's O&M expenses. Fixed Commodity costs also include capital financing costs associated with meeting average demands. Fixed Commodity costs do not vary with the amount of water produced.

Fixed Standby costs relate to Metropolitan's role in ensuring system reliability during emergencies such as an earthquake, an outage of a major facility like the CRA and SWP, and hydrologic variability due to weather variances locally or in the two major supply basins Metropolitan relies on. Only the *direct* capital financing

costs were included in the Fixed Standby allocation category. The Fixed Standby costs identified include the emergency storage capacity within the system, and the available capacity within the conveyance and distribution systems.

An additional component used in Metropolitan's cost allocation process is the hydroelectric component. While not a part of most water utilities' cost allocation procedures, the Hydroelectric allocation component is necessary to segregate revenue requirements carried from the hydroelectric function established in the functional assignment process. Hydroelectric revenue requirements are ultimately recovered in the distribution system portion of the System Access Rate. Any net revenues generated by the hydroelectric operations offset the distribution costs and reduce the System Access Rate. All users of the distribution system benefit proportionately from the revenue offset provided by the sale of hydroelectric energy.

Schedules 10 and 11 provide the allocation percentages used to allocate the capital financing operational function costs into Fixed Demand, Fixed Commodity and Fixed Standby allocation categories for FY 2022/23 and FY 2023/24, respectively.

All capital financing costs functionalized to Supply are allocated as Fixed Commodity costs. Because these particular supply costs have been incurred to provide an amount of annual reliable system yield and not to provide peak demand delivery capability or standby availability, they are reasonably treated as Fixed Commodity costs.

Costs for the Conveyance and Aqueduct (C&A) function are allocated into Fixed Commodity, Fixed Demand and Fixed Standby categories. Because the capital costs for C&A were incurred to meet all three allocation categories, an analysis of C&A capacity usage was used. C&A capacity is the sum of the CRA actual capacity of 1.3 million acre-feet plus the SWP amount attributable to Metropolitan of 1.9 million acre-feet under a 100 percent allocation, for a total Conveyance Capacity of approximately 3.2 million acre-feet. For FY 2022/23, 49 percent of the available conveyance capacity varies with the quantity of water produced and is allocated to Fixed Commodity. A system peak factor¹² of 1.17 was applied to the annual usage to determine that 8 percent of available capacity is used to meet peak monthly deliveries to the member agencies and is allocated to Fixed Demand. The remaining portion of C&A, about 43 percent, is allocated to Fixed Standby. The same allocation percentages are applied to the CRA, SWP, and Other (Inland Feeder) Conveyance and Aqueduct sub-functions. The allocation shares reflect the system average use of conveyance capacity and not the usage of individual facilities. All Conveyance and Aqueduct energy costs for pumping water to Southern California are allocated as Variable Commodity costs and, therefore, are not shown in Schedule 6 because they carry through the allocation step. For FY 2023/24, 47 percent of the available conveyance capacity varies with the quantity of water produced and is allocated to Fixed Commodity. A system peak factor of 1.17 was applied to the annual usage to determine that 8 percent of available capacity is used to meet peak monthly deliveries to the member agencies and is allocated to Fixed Demand. The remaining portion of C&A, about 44 percent, is allocated to Fixed Standby.

Storage function costs for emergency, drought and regulatory storage are also distributed to the allocation categories based on the purpose they serve. Emergency storage costs are allocated as 100 percent Fixed Standby. Emergency storage is a prime example of a cost Metropolitan incurs to ensure the reliability of deliveries to the member agencies. In effect, through the emergency storage capacity in the system, Metropolitan is "standing by" with available capacity and water supply to provide service in the event of a catastrophe such as a major earthquake that disrupts regional conveyance capacity for an extended period of time. Drought carryover storage serves to provide reliable supplies by carrying over surplus supplies from periods of above normal precipitation and snowpack to drought periods when supplies decrease. Drought storage creates supply and is one component of the portfolio of resources that result in a reliable amount of

¹² Peak monthly deliveries to the member agencies average about 41 percent more than the average monthly deliveries.

annual system supplies. As a result, drought storage is allocated as a Fixed Commodity cost, in the same manner as Metropolitan's supply costs. Regulatory storage within the Metropolitan system provides operational flexibility in meeting peak demands and flow requirements, essentially increasing the physical distribution capacity. Therefore, regulatory storage is allocated in the same manner as Distribution costs.

Distribution function costs were allocated as Fixed Commodity by using projected transactions data for the test year. For FY 2022/23, 40 percent of the system distribution capacity is associated with the quantity of water delivered and is allocated to Fixed Commodity. Distribution function costs were allocated to Fixed Demand by using three years of recorded non-coincident peak demands. The difference between the three-year average non-coincident peak demand and the fixed commodity flows divided by the system capacity, or 33 percent of the distribution capacity, was used to meet non-coincident peak day demands, and is allocated to Fixed Demand. Although the Metropolitan Distribution System has a great deal of operational flexibility, the total amount of distribution capacity was limited to the historical non-coincident¹³ peak (maximum) day flow of all the member agencies; based on the last 20 years that maximum flow was 5,510 cfs in 2004. The remaining 27 percent of distribution capacity is associated with Standby and is allocated to Fixed Standby. For FY 2023/24, 39 percent of the system distribution capacity is associated with the quantity of water delivered, and is allocated to Fixed Commodity, 35 percent was used to meet non-coincident peak (maximum) day demands and is allocated to Fixed Demand, and the remaining 27 percent of distribution capacity is associated with Standby, and is allocated to Fixed Standby.

Treatment function costs were allocated to Fixed Commodity by using projected treated deliveries to the member agencies for the test year. The Treatment Fixed Demand calculation uses the system non-coincident peak factor of 2.0 applied to the test year usage; the remaining capacity is associated with Fixed Standby. Total treated water capacity of 3,652 cfs, which is the total design capacity of all the treatment plants, was used in the calculation. General and Administrative costs have been assigned to the allocation categories by operational function based on the ratio of allocated non-A&G function costs to total non-A&G function costs.

¹³ The term "non-coincident" means that the peak day for each agency may or may not coincide with the peak day for the system. A non-coincident approach is used in the rate design to capture the different operating characteristics of the member agencies. The sum of the member agency peak day demands is used as a proxy for peak week. For Metropolitan, "peak" and "maximum" flows, measured in cfs, are synonymous.

Schedule 10: Capital Financing Allocation Percentages, FY 2022/23

Fiscal year ending 2023 Function	Allocation Percentages			Total % Allocated	Comments
	Fixed Commodity	Fixed Demand	Fixed Standby		
Source of Supply					
Colorado River Aqueduct	100%	0%	0%	100%	Supply costs allocated as fixed commodity
State Water Project	100%	0%	0%	100%	Supply costs allocated as fixed commodity
Conveyance & Aqueduct					
Colorado River Aqueduct	49%	8%	43%	100%	Demand percentage represents amount of system conveyance capacity used to meet maximum demands. Commodity percentage represents amount of capacity that is a function of the amount of water delivered. Standby percentage is the remaining conveyance capacity. SWP, CRA, and Other are treated the same due to the use of a uniform system-wide System Access Rate.
State Water Project	49%	8%	43%	100%	
Other	49%	8%	43%	100%	
Storage					
Emergency	0%	0%	100%	100%	Allocated as Standby (recovered by RTS)
Drought	100%	0%	0%	100%	Allocated as fixed commodity (recovered by Supply Rates)
Regulatory	40%	33%	27%	100%	Allocated the same way as distribution.
Treatment					
	29%	31%	39%	100%	Demand percentage represents amount of system treatment capacity used to meet maximum demands. Commodity percentage represents amount of capacity that is a function of the amount of treated water delivered. Standby percentage is the remaining treatment capacity. The same allocations is applied to all five treatment plants due to the use of a uniform system-wide Treatment Surcharge.
Distribution					
	40%	33%	27%	100%	Demand percentage represents amount of system distribution capacity used to meet maximum demands. Commodity percentage represents amount of capacity that is a function of the amount of water delivered. Standby percentage is the remaining distribution capacity. The same allocations is applied to all distribution facilities due to the use of a uniform system-wide System Access Rate.
Demand Management	100%	0%	0%	100%	Allocated as fixed commodity (recovered by Supply Rates)

Totals may not foot due to rounding

Schedule 11: Capital Financing Allocation Percentages, FY 2023/24

Fiscal year ending 2024 Function	Allocation Percentages			Total % Allocated	Comments
	Fixed Commodity	Fixed Demand	Fixed Standby		
Source of Supply					
Colorado River Aqueduct	100%	0%	0%	100%	Supply costs allocated as fixed commodity
State Water Project	100%	0%	0%	100%	Supply costs allocated as fixed commodity
Conveyance & Aqueduct					
Colorado River Aqueduct	47%	8%	44%	100%	Demand percentage represents amount of system conveyance capacity used to meet maximum demands. Commodity percentage represents amount of capacity that is a function of the amount of water delivered. Standby percentage is the remaining conveyance capacity. SWP, CRA, and Other are treated the same due to the use of a uniform system-wide System Access Rate.
State Water Project	47%	8%	44%	100%	
Other	47%	8%	44%	100%	
Storage					
Emergency	0%	0%	100%	100%	Allocated as Standby (recovered by RTS)
Drought	100%	0%	0%	100%	Allocated as fixed commodity (recovered by Supply Rates)
Regulatory	39%	35%	27%	100%	Allocated the same way as distribution.
Treatment	29%	32%	39%	100%	Demand percentage represents amount of system treatment capacity used to meet maximum demands. Commodity percentage represents amount of capacity that is a function of the amount of treated water delivered. Standby percentage is the remaining treatment capacity. The same allocations is applied to all five treatment plants due to the use of a uniform system-wide Treatment Surcharge.
Distribution	39%	35%	27%	100%	Demand percentage represents amount of system distribution capacity used to meet maximum demands. Commodity percentage represents amount of capacity that is a function of the amount of water delivered. Standby percentage is the remaining distribution capacity. The same allocations is applied to all distribution facilities due to the use of a uniform system-wide System Access Rate.
Demand Management	100%	0%	0%	100%	Allocated as fixed commodity (recovered by Supply Rates)

Totals may not foot due to rounding

FY 2022/23 Operational Function Revenue Requirements (by allocation category)

A summary of cost allocation results for FY 2022/23 is shown in Schedules 12 and 13. The allocation of the functionalized costs results in about 5 percent, or \$77 million of the total revenue requirements, being allocated to the Fixed Demand allocation category. This amount represents a reasonable estimate of the annual fixed capital financing costs incurred to meet peak demands (plus the allocated administrative and general costs). A portion of Metropolitan's property tax revenue is allocated to Conveyance and Aqueduct Fixed Demand costs and is used to pay for the general obligation bond debt service allocated to the C&A costs, and other SWP costs. This revenue offsets the amount that needs to be recovered through rates.

About 67 percent of the revenue requirement (\$1,163 million) is allocated as Fixed Commodity. These fixed capital and operating costs are incurred by Metropolitan to meet annual average service needs and are typically recovered by a combination of fixed charges and volumetric rates. Fixed capital costs allocated to the Fixed Standby category total about \$172 million and account for about 10 percent of the revenue requirements. Standby costs are commonly recovered by a fixed charge allocated on a reasonable representation of a customer's need for standby availability. The Variable Commodity costs for power on the conveyance and aqueduct systems, and power, chemicals and solids handling at the treatment plants change with the amount of water delivered to the member agencies. These costs are allocated as Variable Commodity costs, total about \$317 million, and account for about 18 percent of the total revenue requirement. Because of the variable nature of these costs, it is appropriate to recover them through volumetric rates.

With regard to Metropolitan's planned contribution for Delta Conveyance Project planning costs, consistent with the treatment of SWP Conveyance and Aqueduct capital costs, 49 percent of costs are allocated to Fixed Commodity, which is recovered through the System Access Rate, and 51 percent of costs are allocated to Fixed Demand and Fixed Standby, which is recovered through the Readiness-to-Serve Charge.

FY 2023/24 Operational Function Revenue Requirement (by allocation category)

A summary of cost allocation results for FY 2023/24 is shown in Schedule 14 and 15. The allocation of the functionalized costs results in about 5 percent, or \$86 million of the total revenue requirements, being allocated to the Fixed Demand allocation category. This amount represents a reasonable estimate of the annual fixed capital financing costs incurred to meet peak demands (plus the allocated administrative and general costs). A portion of Metropolitan's property tax revenue is allocated to C&A Fixed Demand costs and is used to pay for the general obligation bond debt service allocated to the C&A costs, and other SWP costs. This revenue offsets the amount that needs to be recovered through rates.

About 67 percent of the revenue requirement (\$1,209 million) is allocated as Fixed Commodity. These fixed capital and operating costs are incurred by Metropolitan to meet annual average service needs and are typically recovered by a combination of fixed charges and volumetric rates. Fixed capital costs allocated to the Fixed Standby category total about \$204 million and account for about 11 percent of the revenue requirements. Standby costs are commonly recovered by a fixed charge allocated on a reasonable representation of a customer's need for standby. The Variable Commodity costs for power on the conveyance and aqueduct systems, and power, chemicals and solids handling at the treatment plants change with the amount of water delivered to the member agencies. These costs are allocated as Variable Commodity costs, total about \$308 million, and account for about 17 percent of the total revenue requirement. Because of the variable nature of these costs, it is appropriate to recover them through volumetric rates.

In FY 2023/24, consistent with the treatment of SWP Conveyance and Aqueduct capital costs, 47 percent of Metropolitan's planned contribution of Delta Conveyance Project planning costs are allocated to Fixed

Commodity, which is recovered through the System Access Rate, and 53 percent of costs are allocated to Fixed Demand and Fixed Standby, which is recovered through the Readiness-to-Serve Charge.

Schedule 12: Revenue Requirements by sub-function and allocation category, FY 2022/23

Fiscal Year Ending 2023	Supply			Conveyance & Aqueduct					Storage				Treatment	Distribution	Demand Mgt.	Hydro	Total
	CRA	SWC	Other	CRA power	CRA other	SWC power	SWC other	Other C&A	Emergency	Drought	Regulatory	Power					
Fixed Demand																	
engineering factors	-	-	-	0.0%	8.3%	0.0%	8.3%	8.3%	0.0%	0.0%	33.5%	0.0%	31.4%	33.5%	-	-	-
SWC Capital	-	-	-	-	-	-	5,875,016	-	-	-	-	-	-	-	-	-	5,875,016
Capital Financing	-	-	-	-	1,091,139	-	533,290	5,262,727	-	-	7,684,107	-	33,193,206	26,070,857	-	-	73,635,324
Regional Recycling Water Project	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A&G less Offsets	-	-	-	-	(12,246)	-	(1,808,571)	(200,311)	-	-	43,079	-	(65,790)	(351,380)	-	-	(2,395,218)
Total fixed demand	-	-	-	-	1,078,893	-	4,599,735	5,062,416	-	-	7,727,186	-	33,127,416	25,719,477	-	-	77,315,123
Fixed Commodity																	
engineering factors	100%	100%	100%	100%	49.0%	0%	49.0%	49.0%	0%	100%	39.9%	0%	29.1%	39.9%	1	-	-
Capital Financing	-	-	16,589,556	8,252,673	6,418,463	-	3,136,998	30,957,217	-	28,758,037	9,147,249	-	30,734,450	31,035,048	842,109	-	165,871,800
Regional Recycling Water Project	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWC Capital	-	80,437,139	-	-	-	-	34,558,918	-	-	-	-	-	-	-	-	-	114,996,057
SWC O&M	-	110,115,149	-	-	-	-	194,057,356	-	-	-	-	-	-	-	-	-	304,172,505
Dept. O&M	9,515,545	16,555,050	14,721,714	3,584,263	54,378,539	-	24,218,050	8,375,656	8,102,451	6,191,901	4,283,907	-	108,577,733	119,107,915	11,228,825	-	388,841,549
Supply Programs	47,197,861	-	1,250,000	-	-	-	-	-	-	18,211,661	-	-	-	-	-	-	66,659,522
Demand Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50,815,317	-	50,815,317
Other Operating Costs	230,383	400,819	356,431	86,780	1,316,573	-	586,350	202,785	196,171	149,914	103,719	-	3,414,806	2,883,754	271,864	-	10,200,349
A&G less Offsets	8,834,496	(26,158,512)	5,106,989	1,893,914	9,741,388	-	(16,763,007)	6,279,681	1,090,789	8,270,969	2,048,910	-	28,489,405	22,885,821	9,798,612	-	61,519,457
Total fixed commodity	65,778,285	181,349,645	38,024,691	13,817,629	71,854,963	-	239,794,665	45,815,340	9,389,412	61,582,482	15,583,785	-	171,216,394	175,912,538	72,956,728	-	1,163,076,557
Fixed Standby																	
engineering factors	-	-	-	0%	43%	0%	42.7%	42.7%	100%	0%	26.7%	0%	39.4%	26.7%	-	-	-
SWC Capital	-	-	-	-	-	-	30,072,382	-	-	-	-	-	-	-	-	-	30,072,382
Capital Financing	-	-	-	-	5,585,200	-	2,729,744	26,938,264	47,831,816	-	6,116,127	-	41,616,700	20,750,969	-	-	151,568,820
Regional Recycling Water Project	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A&G less Offsets	-	-	-	-	(62,152)	-	(9,255,253)	153,623	290,227	-	34,879	-	(572,504)	(277,714)	-	-	(9,688,895)
Total fixed standby	-	-	-	-	5,523,048	-	23,546,873	27,091,887	48,122,043	-	6,151,005	-	41,044,196	20,473,255	-	-	171,952,307
Variable Commodity																	
SWC Power	-	-	-	-	-	243,555,889	-	-	-	-	-	-	-	-	-	-	243,555,889
CRA Power	-	-	-	105,857,041	-	-	-	-	-	-	-	-	-	-	-	-	105,857,041
Variable Treatment	-	-	-	-	-	-	-	-	-	-	-	-	32,464,291	-	-	-	32,464,291
A&G less Offsets	-	-	-	(3,125,754)	-	(56,416,097)	-	-	-	-	-	(683,901)	(5,086,694)	-	-	-	(65,312,447)
Total variable commodity	-	-	-	102,731,286	-	187,139,792	-	-	-	-	-	(683,901)	27,377,597	-	-	-	316,564,774
Hydroelectric																	
A&G less Offsets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13,171,594	13,171,594
Total hydroelectric	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(9,746,837)	(9,746,837)
Total Costs	65,778,285	181,349,645	38,024,691	116,548,916	78,456,904	187,139,792	267,941,274	77,969,643	57,511,455	61,582,482	29,461,976	(683,901)	272,765,603	222,105,269	72,956,728	3,424,757	1,732,333,518

Totals may not foot due to rounding

Schedule 13: Operational function Revenue Requirements (by allocation category), FY 2022/23

Fiscal year ending 2023 Functional categories (by sub-Function)	Fixed Demand	Fixed Commodity	Fixed Standby	Variable Commodity	Hydroelectric	Total allocated
Source of Supply						
CRA	\$ -	\$ 65,778,285	\$ -	\$ -	\$ -	\$ 65,778,285
SWP	-	181,349,645	-	-	-	181,349,645
Other Supply	-	38,024,691	-	-	-	38,024,691
Subtotal: Source of Supply	-	285,152,621	-	-	-	285,152,621
Conveyance & Aqueduct						
CRA						
CRA Power	-	13,817,629	-	102,731,286	-	116,548,916
CRA All Other	1,078,893	71,854,963	5,523,048	-	-	78,456,904
SWP						
SWP Power	-	-	-	187,139,792	-	187,139,792
SWP All Other	4,599,735	239,794,665	23,546,873	-	-	267,941,274
Other Conveyance & Aqueduct	5,062,416	45,815,340	27,091,887	-	-	77,969,643
Subtotal: Conveyance & Aqueduct	10,741,044	371,282,598	56,161,808	289,871,079	-	728,056,528
Storage						
Storage Costs Other Than Power						
Emergency	-	9,389,412	48,122,043	-	-	57,511,455
Drought	-	61,582,482	-	-	-	61,582,482
Regulatory	7,727,186	15,583,785	6,151,005	-	-	29,461,976
Storage Power	-	-	-	(683,901)	-	(683,901)
Subtotal: Storage	7,727,186	86,555,679	54,273,049	(683,901)	-	147,872,012
Treatment	33,127,416	171,216,394	41,044,196	27,377,597	-	272,765,603
Distribution	25,719,477	175,912,538	20,473,255	-	-	222,105,269
Demand Management	-	72,956,728	-	-	-	72,956,728
Hydroelectric	-	-	-	-	3,424,757	3,424,757
Total Costs Allocated	\$ 77,315,123	\$ 1,163,076,557	\$ 171,952,307	\$ 316,564,774	\$ 3,424,757	\$ 1,732,333,518

Totals may not foot due to rounding

Schedule 14: Revenue Requirements by sub-function and allocation category, FY 2023/24

Fiscal Year Ending 2024	Supply			Conveyance & Aqueduct					Storage				Treatment	Distribution	Demand Mgt.	Hydro	Total
	CRA	SWC	Other	CRA power	CRA other	SWC power	SWC other	Other C&A	Emergency	Drought	Regulatory	Power					
Fixed Demand																	
engineering factors	-	-	-	0.0%	8.1%	0.0%	8.1%	8.1%	0.0%	0.0%	34.7%	0.0%	31.8%	34.7%	-	-	-
SWC Capital	-	-	-	-	-	-	10,905,186	-	-	-	-	-	-	-	-	-	10,905,186
Capital Financing	-	-	-	-	1,075,158	-	532,326	5,186,672	-	-	8,250,666	-	34,351,821	28,403,460	-	-	77,800,103
Regional Recycling Water Project	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A&G less Offsets	-	-	-	-	(21,124)	-	(2,117,355)	(305,435)	-	-	35,548	-	(222,042)	(393,934)	-	-	(3,024,341)
Total fixed demand	-	-	-	-	1,054,033	-	9,320,157	4,881,238	-	-	8,286,215	-	34,129,779	28,009,526	-	-	85,680,948
Fixed Commodity																	
engineering factors	100%	100%	100%	100%	47.5%	0%	47.5%	47.5%	0%	100%	38.6%	0%	29.5%	38.6%	1	-	-
Capital Financing	-	-	17,101,944	8,985,031	6,324,457	-	3,131,327	30,509,838	-	29,646,263	9,164,220	-	31,807,242	31,548,429	868,119	-	169,086,870
Regional Recycling Water Project	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWC Capital	-	85,494,959	-	-	-	-	64,148,155	-	-	-	-	-	-	-	-	-	149,643,114
SWC O&M	-	107,000,290	-	-	-	-	198,687,447	-	-	-	-	-	-	-	-	-	305,687,738
Dept. O&M	9,658,647	16,925,532	14,834,881	3,723,313	56,032,184	-	24,731,191	8,066,746	7,883,144	6,102,879	4,219,371	-	111,046,674	121,422,524	11,629,085	-	396,276,172
Supply Programs	51,129,998	-	1,250,000	-	-	-	-	-	-	11,720,987	-	-	-	-	-	-	64,100,985
Demand Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54,886,221	-	54,886,221
Other Operating Costs	221,687	388,478	340,493	85,458	1,286,060	-	567,634	185,149	180,935	140,074	96,844	-	3,349,408	2,786,909	266,913	-	9,896,041
A&G less Offsets	8,980,176	(26,853,270)	4,934,922	1,949,471	9,523,785	-	(15,036,653)	5,906,365	1,020,268	7,007,797	1,908,607	-	28,373,133	22,007,905	9,957,526	-	59,680,032
Total fixed commodity	69,990,508	182,955,988	38,462,240	14,743,273	73,166,485	-	276,229,102	44,668,098	9,084,347	54,618,002	15,389,042	-	174,576,456	177,765,768	77,607,863	-	1,209,257,172
Fixed Standby																	
engineering factors	-	-	-	0%	44%	0%	44.5%	44.5%	100%	0%	26.7%	0%	38.7%	26.7%	-	-	-
SWC Capital	-	-	-	-	-	-	60,106,785	-	-	-	-	-	-	-	-	-	60,106,785
Capital Financing	-	-	-	-	5,926,012	-	2,934,052	28,587,701	48,788,287	-	6,328,168	-	41,713,582	21,785,134	-	-	156,062,936
Regional Recycling Water Project	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A&G less Offsets	-	-	-	-	(115,970)	-	(11,666,270)	125,456	138,906	-	27,771	-	(754,789)	(300,433)	-	-	(12,545,328)
Total fixed standby	-	-	-	-	5,810,043	-	51,374,567	28,713,157	48,927,193	-	6,355,939	-	40,958,793	21,484,701	-	-	203,624,393
Variable Commodity																	
SWC Power	-	-	-	-	-	254,897,168	-	-	-	-	-	-	-	-	-	-	254,897,168
CRA Power	-	-	-	85,626,149	-	-	-	-	-	-	-	-	-	-	-	-	85,626,149
Variable Treatment	-	-	-	-	-	-	-	-	-	-	-	-	34,883,273	-	-	-	34,883,273
A&G less Offsets	-	-	-	(3,047,343)	-	(58,564,356)	-	-	-	-	-	(547,620)	(5,493,415)	-	-	-	(67,652,733)
Total variable commodity	-	-	-	82,578,806	-	196,332,812	-	-	-	-	-	(547,620)	29,389,858	-	-	-	307,753,856
Hydroelectric																	
A&G less Offsets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13,166,390	13,166,390
Total hydroelectric	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(7,865,299)	(7,865,299)
Total Costs	69,990,508	182,955,988	38,462,240	97,322,079	80,030,561	196,332,812	336,923,825	78,262,493	58,011,540	54,618,002	30,031,196	(547,620)	279,054,886	227,259,995	77,607,863	5,301,091	1,811,617,460

Totals may not foot due to rounding

Schedule 15: Operational function Revenue Requirements (by allocation category), FY 2023/24

Fiscal year ending 2024 Functional categories (by sub-Function)	Fixed Demand	Fixed Commodity	Fixed Standby	Variable Commodity	Hydroelectric	Total allocated
Source of Supply						
CRA	\$ -	\$ 69,990,508	\$ -	\$ -	\$ -	\$ 69,990,508
SWP	-	182,955,988	-	-	-	182,955,988
Other Supply	-	38,462,240	-	-	-	38,462,240
Subtotal: Source of Supply	-	291,408,736	-	-	-	291,408,736
Conveyance & Aqueduct						
CRA						
CRA Power	-	14,743,273	-	82,578,806	-	97,322,079
CRA All Other	1,054,033	73,166,485	5,810,043	-	-	80,030,561
SWP						
SWP Power	-	-	-	196,332,812	-	196,332,812
SWP All Other	9,320,157	276,229,102	51,374,567	-	-	336,923,825
Other Conveyance & Aqueduct	4,881,238	44,668,098	28,713,157	-	-	78,262,493
Subtotal: Conveyance & Aqueduct	15,255,428	408,806,958	85,897,767	278,911,618	-	788,871,771
Storage						
Storage Costs Other Than Power						
Emergency	-	9,084,347	48,927,193	-	-	58,011,540
Drought	-	54,618,002	-	-	-	54,618,002
Regulatory	8,286,215	15,389,042	6,355,939	-	-	30,031,196
Storage Power	-	-	-	(547,620)	-	(547,620)
Subtotal: Storage	8,286,215	79,091,391	55,283,132	(547,620)	-	142,113,118
Treatment	34,129,779	174,576,456	40,958,793	29,389,858	-	279,054,886
Distribution	28,009,526	177,765,768	21,484,701	-	-	227,259,995
Demand Management	-	77,607,863	-	-	-	77,607,863
Hydroelectric	-	-	-	-	5,301,091	5,301,091
Total Costs Allocated	\$ 85,680,948	\$ 1,209,257,172	\$ 203,624,393	\$ 307,753,856	\$ 5,301,091	\$ 1,811,617,460

Totals may not foot due to rounding

Distribution of Costs: Rates and Charges

Use of System-Wide (Postage Stamp) Rates

Metropolitan's rate structure consists of unbundled rate elements designed to provide transparency regarding the cost of specific functions to member agencies (system access, untreated water supplies, water treatment, etc.). The rates for each of these unbundled rate elements are uniform across Metropolitan's entire regional service area; they do not vary by member agency and they do not vary by geographic zone or distance.

In the utility industry, system-wide rates that are the same for all customers are referred to as "postage stamp" rates. Under a postage stamp rate design approach, every customer pays the same average rate for a service regardless of whether the cost caused by, or the benefit derived by, a customer for a given transaction varies from the average. The postage stamp rate design approach stands in contrast to alternative rate design approaches such as distance sensitive pricing schemes that attempt to develop rates applicable to specific geographic zones.

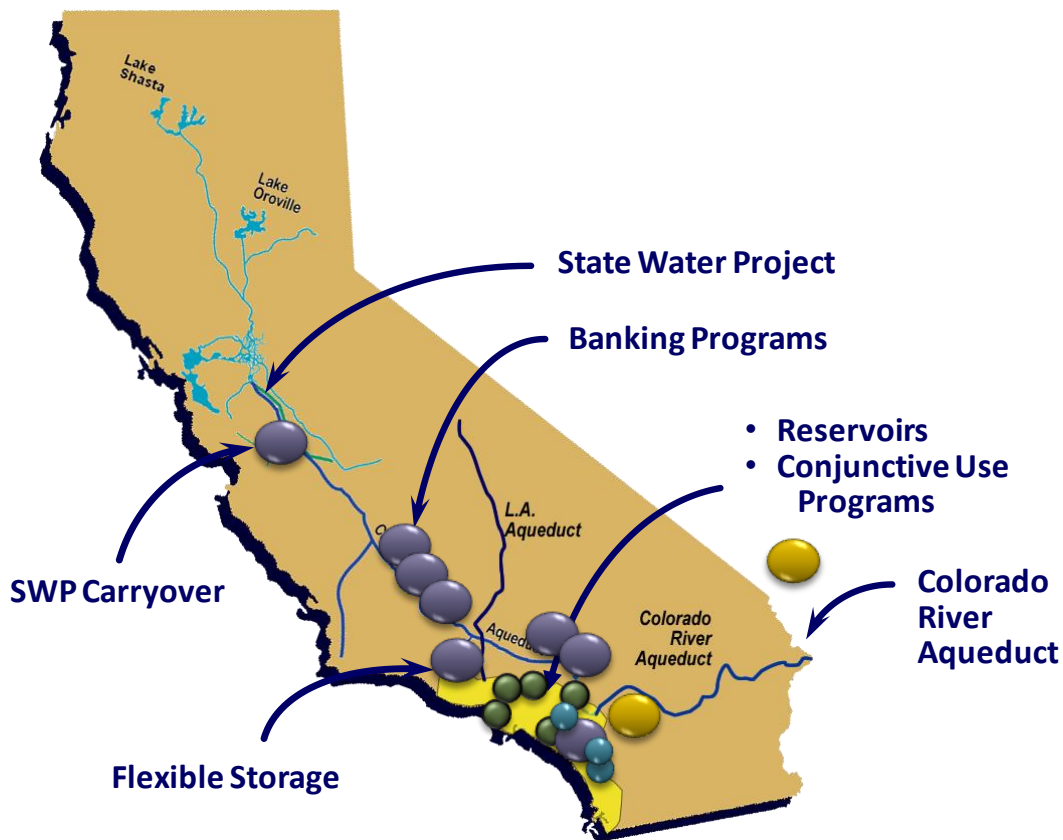
Metropolitan's postage stamp rate design is appropriate given Metropolitan's integrated regional system that benefits all member agencies. Metropolitan's system is not a point-to-point service, but an interconnected regional system. In order to balance the local concerns within the region, Metropolitan has long maintained postage stamp rates. In fact, Metropolitan has used uniform postage stamp rates since it started delivering water in 1942. Under the postage stamp approach, an agency develops an average rate for a service, as opposed to a point-to-point rate based on each customer's specific use, and all customers receiving that service pay the average rate. This allows the agency to establish non-discriminatory rates that match the cost of providing the service to a customer class. A postage stamp approach is especially appropriate for an interconnected regional system because it allows the agency to develop reliable alternatives to point-to-point service. Metropolitan's uniform, postage stamp rate structure has allowed it to develop an interconnected regional conveyance and distribution system with the ability to deliver supplies from the SWP, the Colorado River, and its storage portfolio throughout its vast and diverse service area. Metropolitan's conveyance and distribution system can deliver water from both the SWP and Colorado River to almost every member agency. This flexibility benefits all member agencies. Uniform postage stamp rates provide a region-wide funding mechanism to recover the costs of Metropolitan's integrated system, help ensure economies of scale, and result in lower costs for all of Metropolitan's member agencies. Given Metropolitan's integrated system, it is not logical to do otherwise.

Metropolitan's system draws on diverse supply sources, transports water across a large part of the State, distributes water in six counties, and serves an area that is home to 19 million residents. The 2007 Integrated Area Study (IAS), emphasized regional system flexibility as a key component of overall reliability.¹⁴ Metropolitan must maintain operational flexibility—the ability to respond to short-term changes in regional water supply, water quality, treatment requirements, and member agency demands. And it must maintain delivery flexibility—the ability to maintain partial to full water supply deliveries during planned and unplanned facility outages. Metropolitan is also required by state statute to have the objective, to the extent determined to be reasonable and practical, to deliver a blend of water constituting at least 50 percent of SWP water. (MWD Act, Sec. 136.) Each of Metropolitan's integrated conveyance, distribution and storage assets contributes to regional system reliability. It is fair and reasonable, therefore, to expect member agencies to share the cost of developing and maintaining these assets because all member agencies benefit from regional system reliability. And all member agencies are voluntary members of the cooperative formed to benefit from pooling of resources to enhance regional benefits to their service areas.

¹⁴ 2007 Integrated Area Study, Report No. 1317, pg. 2-10.

Operational flexibility has been achieved by creating an interconnected regional delivery network integrating the SWP and the CRA conveyance systems with the Distribution System. This integrated network allows Metropolitan to incorporate supply from the SWP and the Colorado River with a diverse portfolio of geographically dispersed storage programs, including the Central Valley groundwater storage programs, carryover storage in San Luis Reservoir, flexible storage capacity in Castaic Lake and Lake Perris, Lake Mead storage, the DWCV Advanced Delivery account, in-basin surface storage in DVL and Lake Mathews, and in-basin groundwater Conjunctive Use Programs. This integrated, regional network allows Metropolitan to move supplies throughout the system in response to service demands, supply availability and operational needs, and is shown in Figure 18.

Figure 18: Metropolitan Facilities, Supplies and Storage Portfolio



System flexibility and integration is easily demonstrated. In a year with a high SWP allocation, SWP supplies can be moved from the West Branch down into the Central Pool as far as western Orange County; on the East Branch, moving SWP supplies results in high SWP blends for eastern areas all the way into south San Diego County, with relatively little Colorado River water delivered to the Skinner area. In a year with a low SWP allocation, Colorado River water will dominate; this impact is mitigated by blending Colorado River water with SWP supplies stored in DVL. Under normal operations these CRA supplies can be pushed as far west as the Santa Monica Feeder.

The system flexibility can be seen through the operations of the system during calendar year 2020. As water conditions shifted, so did Metropolitan's operations to ensure continued water supply reliability. At the beginning of 2020, operations were transitioning from the extraordinary surplus year of 2019. Metropolitan strategically began repositioning storage to reduce the risk of spill and provide operational flexibility.

Figure 19: Operating Flexibility and Regional System Reliability: Moderate Deliveries of SWP Supplies (40% SWP Blend Target)



As calendar year 2020 progressed and hydrologic conditions turned dry, Metropolitan shifted system operations to minimize SWP deliveries with SWP blends at zero percent, and with Colorado River water supplies maximized throughout the distribution system through the end of the year.

Figure 20: Operating Flexibility and Regional System Reliability: Minimized Deliveries of SWP Supplies (0% SWP Blend Target Supplies)



The integrated conveyance and distribution network that Metropolitan has developed to serve the member agencies enables water supplies from multiple sources to be delivered throughout its service area to provide regional reliability. In 2014, the SWP allocation was a historically low 5 percent. Metropolitan re-operated its system to move CRA water all the way west to deliver to the areas south, west and east of the Jensen treatment plant, which are normally served with SWP water and Metropolitan is maximizing all flexibility during the current historic low Table A allocation.

Metropolitan's operational flexibility developed over time to where Metropolitan now has substantial operational flexibility to accommodate short-term changes in water supply, treatment, and demands. This is the result of having multiple water supplies and the ability to blend the supplies, robust treatment processes, and large storage capacities in multiple treated and untreated water reservoirs.

Delivery flexibility helps mitigate the impacts of regional facility outages. Metropolitan's delivery flexibility also developed over time. The 2007 IAS reported that 260 of 344 service connections, or 76 percent, had full back-up capability for single failures within Metropolitan's Distribution System. In the event of a treatment plant outage, 299 of 344 service connections, or 87 percent, had full back-up capability¹⁵.

The same flexibility principles inform development and operation of Metropolitan's storage functionality. Metropolitan's ability to shift among resources in its storage portfolio in order to enhance the regional reliability of Metropolitan's imported water service in the face of so many changing conditions is the result of its integrated, flexible operating system, consisting of its right to use the SWP conveyance pursuant to its participation therein, the CRA, and the Distribution System. Metropolitan is able to accomplish system reliability and operational flexibility while accommodating outages, managing to water quality goals, minimizing the risk of invasive species infestation and maintaining emergency storage reserves.

¹⁵ 2007 Integrated Area Study, Report No. 1317, pp. 2-10 and 2-11.

Metropolitan's integrated, flexible system directly benefits all agencies as to all services, including wheeling and exchange transactions. Wheeling and exchange transactions benefit from a robust and flexible system, including Metropolitan's right to use SWP facilities. Given the operating flexibility of Metropolitan's system, Metropolitan allocates costs in a way that allows it to develop and maintain such a flexible system. And every member agency is served by this system flexibility.

The vast majority of utilities operate under an implicit regulatory compact, which provides the exclusive service area in exchange for the obligation to serve. Metropolitan's system is a wholesale system and provides only "supplemental" wholesale supplies, meaning that Metropolitan is not the exclusive water source for its member agencies. Metropolitan is a wholesaler that has no exclusive right to serve in its service area. To the degree a member agency has local resources, develops local resources, implements conservation, or otherwise reduces demands, that member agency may not require Metropolitan's deliveries, although all member agencies rely on the availability of Metropolitan's services for various reasons. Moreover, member agencies are free to acquire supplies from other sources. Indeed, Metropolitan's Board has adopted the concept of "direct access", or customer choice for supplier, to accommodate a water transfer market.¹⁶

Metropolitan maintains an unbundled rate structure based on types of functions creating the costs, which provides transparency. Member agencies pay rates based on the services they use (full-service treated or full-service untreated), and agencies that use the same service pay the same rate. Agencies that take treated full-service water cover treatment costs, whereas agencies that take untreated full-service water pay no treatment costs. In fact, Metropolitan provides incentives for conservation and local resource development so member agencies do not have to take full-service water from Metropolitan.

This is an important distinction in the context of not having an exclusive service area. A water agency with an exclusive service area has more certainty in its revenues because it has no competition for its services. Metropolitan does have competition for its services. Therefore, Metropolitan has developed its unbundled rate structure in a fair and reasonable manner to ensure that system users pay for the services they use and the costs of Metropolitan's functions are transparent. Fair and reasonable rates that reflect applicable costs avoid negatively impacting the rates and charges paid by member agencies who do not acquire their own supplies to move through Metropolitan's interconnected delivery network. This is particularly true with regard to member agencies exercising choice of supplier. Compared to other water systems, Metropolitan's system is used to move significant amounts of non-Metropolitan supplies.

One Customer Class

Metropolitan, a wholesaler, provides full-service water service (treated or untreated) for which the Board sets rates and charges, as well as wheeling, exchange, and other arrangements pursuant to negotiated agreements. Metropolitan has one class of customers: its member agencies. The level of rate unbundling in Metropolitan's rate structure provides transparency to show that charges recover only for functions involved in the applicable service, and that no cross-subsidy of costs exists.

Metropolitan's volumetric rates recover operating costs as well as the portion of the conveyance and distribution system capital costs that are associated with meeting average water demands using system-wide rates that are the same for all customers, or "postage stamp" rates, as explained previously. Under a postage stamp rate design approach, every customer pays the same average rate for a service regardless of whether the cost caused by, or the benefit derived by, a customer for a given transaction varies from the average.

The Readiness-to-Serve (RTS) Charge recovers system capital costs for emergency storage capacity and ensures there is adequate capacity in the conveyance and distribution systems to reliably deliver supplies

¹⁶The Metropolitan Board adopted Strategic Plan Policy Principles on December 14, 1999, consisting of seven principles, presented on page 5.

during emergencies, major facility outages, hydrologic variability, and variances in local resources. The Capacity Charge recovers distribution system capital costs necessary to meet peak member agency needs on Metropolitan's distribution system during the summer.

Member agencies have unique usage characteristics that are captured in the Metropolitan rates and charges relating to treatment, peak use on the Metropolitan system, the need for emergency and available capacity, or average use. For this reason, it is not necessary to group member agencies into traditional customer classes as would be done in a typical retail rate setting process. The end result of the Metropolitan process is the determination of the cost of each service available to a member agency and to the extent a member agency uses that service, an amount, a rate or charge, is paid by the member agency that is reflective of the cost of that service.

Distributed Costs to Services

Schedules 16 and 17 provide a cross-reference between the allocated function costs and their distribution to the rate design elements for FY 2022/23 and FY 2023/24, respectively. The specifics of each rate design element are discussed in detail in the following section.

Schedule 16: Allocated Operational function Revenue Requirements (Distributed to rate design element): FY 2022/23

Fiscal year ending 2023	Rate Design Elements							Total Costs
	Supply Rates	System Access Rate	Water Stewardship Rate	System Power Rate	Capacity Charge	Readiness-to-Serve Charge	Treatment Surcharge	
Supply								
Fixed Demand	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fixed Commodity	285,152,621	-	-	-	-	-	-	285,152,621
Fixed Standby	-	-	-	-	-	-	-	-
Variable Commodity	-	-	-	-	-	-	-	-
Hydroelectric	-	-	-	-	-	-	-	-
Subtotal: Supply	285,152,621	-	-	-	-	-	-	285,152,621
Conveyance and Aqueduct	-	-	-	-	-	-	-	-
Fixed Demand	-	-	-	-	-	10,741,044	-	10,741,044
Fixed Commodity	-	371,282,598	-	-	-	-	-	371,282,598
Fixed Standby	-	-	-	-	-	56,161,808	-	56,161,808
Variable Commodity	-	-	-	289,871,079	-	-	-	289,871,079
Hydroelectric	-	-	-	-	-	-	-	-
Subtotal: Conveyance and Aqueduct	-	371,282,598	-	289,871,079	-	66,902,852	-	728,056,528
Storage	-	-	-	-	-	-	-	-
Fixed Demand	-	-	-	-	7,727,186	-	-	7,727,186
Fixed Commodity	61,582,482	24,973,196	-	-	-	-	-	86,555,679
Fixed Standby	-	-	-	-	-	54,273,049	-	54,273,049
Variable Commodity	(683,901)	-	-	-	-	-	-	(683,901)
Hydroelectric	-	-	-	-	-	-	-	-
Subtotal: Storage	60,898,581	24,973,196	-	-	7,727,186	54,273,049	-	147,872,012
Treatment	-	-	-	-	-	-	-	-
Fixed Demand	-	-	-	-	-	-	33,127,416	33,127,416
Fixed Commodity	-	-	-	-	-	-	171,216,394	171,216,394
Fixed Standby	-	-	-	-	-	-	41,044,196	41,044,196
Variable Commodity	-	-	-	-	-	-	27,377,597	27,377,597
Hydroelectric	-	-	-	-	-	-	-	-
Subtotal: Treatment	-	-	-	-	-	-	272,765,603	272,765,603
Distribution	-	-	-	-	-	-	-	-
Fixed Demand	-	-	-	-	25,719,477	-	-	25,719,477
Fixed Commodity	-	175,912,538	-	-	-	-	-	175,912,538
Fixed Standby	-	-	-	-	-	20,473,255	-	20,473,255
Variable Commodity	-	-	-	-	-	-	-	-
Hydroelectric	-	3,424,757	-	-	-	-	-	3,424,757
Subtotal: Distribution	-	179,337,294	-	-	25,719,477	20,473,255	-	225,530,026
Demand Management	-	-	-	-	-	-	-	-
Fixed Demand	-	-	-	-	-	-	-	-
Fixed Commodity	-	-	72,956,728	-	-	-	-	72,956,728
Fixed Standby	-	-	-	-	-	-	-	-
Variable Commodity	-	-	-	-	-	-	-	-
Hydroelectric	-	-	-	-	-	-	-	-
Subtotal: Demand Management	-	-	72,956,728	-	-	-	-	72,956,728
Total	-	-	-	-	-	-	-	-
Fixed Demand	-	-	-	-	33,446,663	10,741,044	33,127,416	77,315,123
Fixed Commodity	346,735,103	572,168,332	72,956,728	-	-	-	171,216,394	1,163,076,557
Fixed Standby	-	-	-	-	-	130,908,111	41,044,196	171,952,307
Variable Commodity	(683,901)	-	-	289,871,079	-	-	27,377,597	316,564,774
Hydroelectric	-	3,424,757	-	-	-	-	-	3,424,757
Total	\$ 346,051,202	\$ 575,593,089	\$ 72,956,728	\$ 289,871,079	\$ 33,446,663	\$ 141,649,155	\$ 272,765,603	\$ 1,732,333,518

Totals may not foot due to rounding

Schedule 17: Allocated Operational function Revenue Requirements (Distributed to rate design element): FY 2023/24

Fiscal year ending 2024	Rate Design Elements							Total Costs
	Supply Rates	System Access Rate	Water Stewardship Rate	System Power Rate	Capacity Charge	Readiness-to-Serve Charge	Treatment Surcharge	
Supply								
Fixed Demand	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fixed Commodity	291,726,329	-	-	-	-	-	-	291,726,329
Fixed Standby	-	-	-	-	-	-	-	-
Variable Commodity	-	-	-	-	-	-	-	-
Hydroelectric	-	-	-	-	-	-	-	-
Subtotal: Supply	291,726,329	-	-	-	-	-	-	291,726,329
Conveyance and Aqueduct								
Fixed Demand	-	-	-	-	-	-	-	-
Fixed Commodity	-	408,602,641	-	-	-	15,241,068	-	15,241,068
Fixed Standby	-	-	-	-	-	85,814,756	-	85,814,756
Variable Commodity	-	-	-	278,892,529	-	-	-	278,892,529
Hydroelectric	-	-	-	-	-	-	-	-
Subtotal: Conveyance and Aqueduct	-	408,602,641	-	278,892,529	-	101,055,823	-	788,550,994
Storage								
Fixed Demand	-	-	-	-	-	-	-	-
Fixed Commodity	54,501,979	24,433,727	-	-	8,270,538	-	-	8,270,538
Fixed Standby	-	-	-	-	-	-	-	78,935,706
Variable Commodity	(547,582)	-	-	-	-	55,180,937	-	55,180,937
Hydroelectric	-	-	-	-	-	-	-	(547,582)
Subtotal: Storage	53,954,398	24,433,727	-	-	8,270,538	55,180,937	-	141,839,599
Treatment								
Fixed Demand	-	-	-	-	-	-	-	-
Fixed Commodity	-	-	-	-	-	-	34,058,234	34,058,234
Fixed Standby	-	-	-	-	-	-	174,458,971	174,458,971
Variable Commodity	-	-	-	-	-	-	40,872,888	40,872,888
Hydroelectric	-	-	-	-	-	-	29,387,823	29,387,823
Subtotal: Treatment	-	-	-	-	-	-	278,777,916	278,777,916
Distribution								
Fixed Demand	-	-	-	-	-	-	-	-
Fixed Commodity	-	178,034,052	-	-	28,174,360	-	-	28,174,360
Fixed Standby	-	-	-	-	-	21,611,117	-	178,034,052
Variable Commodity	-	-	-	-	-	-	-	21,611,117
Hydroelectric	-	5,300,425	-	-	-	-	-	-
Subtotal: Distribution	-	183,334,477	-	-	28,174,360	21,611,117	-	5,300,425
Demand Management								
Fixed Demand	-	-	-	-	-	-	-	-
Fixed Commodity	-	-	77,602,668	-	-	-	-	-
Fixed Standby	-	-	-	-	-	-	-	77,602,668
Variable Commodity	-	-	-	-	-	-	-	-
Hydroelectric	-	-	-	-	-	-	-	-
Subtotal: Demand Management	-	-	77,602,668	-	-	-	-	-
Total								
Fixed Demand	-	-	-	-	-	-	-	-
Fixed Commodity	346,228,308	611,070,420	77,602,668	-	36,444,898	15,241,068	34,058,234	85,744,199
Fixed Standby	-	-	-	-	-	-	174,458,971	1,209,360,367
Variable Commodity	(547,582)	-	-	278,892,529	-	162,606,809	40,872,888	203,479,698
Hydroelectric	-	5,300,425	-	-	-	-	29,387,823	307,732,771
Total	\$ 345,680,726	\$ 616,370,845	\$ 77,602,668	\$ 278,892,529	\$ 36,444,898	\$ 177,847,877	\$ 278,777,916	\$ 1,811,617,460

Totals may not foot due to rounding

Proof of Revenue

FY 2022/23

Schedule 18 shows the Proof of Revenue for FY 2022/23. Based on expected sales of 1.6 MAF, the expected revenues would be about \$47.9 million higher than the total revenue requirement, if the rates and charges were in effect the entire test year period. The cost of service allocation assuming a full twelve months of revenue is used to allocate costs among the various rate elements but should not be interpreted as over- or under-collection during a given fiscal year. However, because the recommended rates do not take effect until January 1, 2023, the expected revenues for FY 2022/23 will be about \$50.9 million lower than the total revenue requirement in FY 2022/23. The total revenue requirement includes a \$13.9 million decrease in the required reserves for the Revenue Remainder Fund. Withdrawals from the Treatment Surcharge Stabilization Fund are \$4.0 million in FY 2022/23. Withdrawals from the Water Stewardship Fund are \$49.3 million in FY 2022/23. Accounting for these adjustments, the withdrawal from reserves is about \$11.5 million in FY 2022/23.

FY 2023/24

Schedule 19 shows the Proof of Revenue for FY 2023/24. Based on expected sales of 1.5 MAF the expected revenues would be about \$66.8 million higher than the total revenue requirement, if the rates and charges were in effect the entire test year period. The cost of service allocation assuming a full twelve months of revenue is used to allocate costs among the various rate elements but should not be interpreted as over- or under-collection during a given fiscal year. However, because the recommended rates do not take effect until January 1, 2024, the expected revenues for FY 2023/24 will be about \$25.4 million lower than the total revenue requirement in FY 2023/24. The total revenue requirement includes a \$7.7 million increase in the required reserves for the Revenue Remainder Fund. Deposits to the Treatment Surcharge Stabilization Fund are \$5.9 million in FY 2023/24. Withdrawals from the Water Stewardship Fund are \$0 million in FY 2023/24. Accounting for these adjustments, the withdrawal from reserves is about \$23.6 million in FY 2023/24. Schedule 20 summarizes the rates and charges that would be effective on January 1, 2023 and January 1, 2024 using the assumptions and methodology of this report. Member agency impacts will vary depending upon an agency's RTS allocation, capacity charge and relative proportions of treated and untreated Tier 1 and Tier 2 purchases.

Schedule 18: FY 2022/23 Proof of Revenue (\$ millions)**Proof of Revenue FY2023 if Rates Effective for Full Test Year**

Rate Elements	Revenue	% Over (Under)		Revenues if Rates	Billing	Unit Rate
	Requirements	Collected		Effective July 1st	Determinant	
	\$M	\$M	%	\$M	MAF	\$/AF
Supply	419.0	10.9	3%	429.9	1.31	328
System Access Rate	575.6	17.5	3%	593.1	1.59	373
System Power Rate	289.9	7.5	3%	297.4	1.59	187
Treatment Surcharge	272.8	7.5	3%	280.3	0.77	364
Readiness-to-serve Charge	141.6	3.4	2%	145.0		
Capacity Charge	33.4	1.1	3%	34.5		
Total	1,732.3	47.9	3%	1,780.2		

Totals may not foot due to rounding

Proof of Revenue FY2023 if Rates Effective January 1st

Fiscal Year Ending 2023	Revenue	% Over (Under)		Revenues if Rates
	Requirements	Collected		Effective Jan 1st
Supply	419.0	(73.4)	-18%	345.6
System Access Rate	575.6	36.4	6%	612.0
System Power Rate	289.9	(16.1)	-6%	273.8
Treatment Surcharge	272.8	(4.0)	-1%	268.8
Readiness-to-serve Charge	141.6	0.9	1%	142.5
Capacity Charge	33.4	5.4	16%	38.8
Total	1,732.3	(50.9)	-3%	1,681.4

Totals may not foot due to rounding

Schedule 19: FY 2023/24 Proof of Revenue (\$ millions)***Proof of Revenue FY2024 if Rates Effective for Full Test Year***

Rate Elements	Revenue	% Over (Under)		Revenues if Rates	Billing	Unit Rate
	Requirements	Collected		Effective July 1st	Determinant	
	\$M	\$M	%	\$M	MAF	\$/AF
Supply	423.1	16.1	4%	439.2	1.26	348
System Access Rate	616.3	24.2	4%	640.5	1.54	416
System Power Rate	278.9	10.6	4%	289.5	1.54	188
Treatment Surcharge	279.1	9.4	3%	288.5	0.78	370
Readiness-to-serve Charge	177.9	5.1	3%	183.0		
Capacity Charge	36.3	1.4	4%	37.7		
Total	1,811.6	66.8	4%	1,878.4		

Totals may not foot due to rounding

Proof of Revenue FY2024 if Rates Effective January 1st

Fiscal Year Ending 2024	Revenue	% Over (Under)		Revenues if Rates
	Requirements	Collected		Effective Jan 1st
Supply	423.1	(2.6)	-1%	420.5
System Access Rate	616.3	(24.1)	-4%	592.3
System Power Rate	278.9	9.4	3%	288.4
Treatment Surcharge	279.1	5.9	2%	285.0
Readiness-to-serve Charge	177.9	(13.9)	-8%	164.0
Capacity Charge	36.3	(0.2)	0%	36.1
Total	1,811.6	(25.4)	-1%	1,786.2

Totals may not foot due to rounding

Schedule 20: Rates and Charges Summary

Effective January 1st	2022	2023	2024
Tier 1 Supply Rate (\$/AF)	\$243	\$328	\$348
Tier 2 Supply Rate (\$/AF)	\$285	\$532	\$538
System Access Rate (\$/AF)	\$389	\$373	\$416
Water Stewardship Rate (\$/AF)	\$0	-	-
System Power Rate (\$/AF)	\$167	\$187	\$188
Full Service Untreated Volumetric Cost (\$/AF)			
Tier 1	\$799	\$888	\$952
Tier 2	\$841	\$1,092	\$1,142
Treatment Surcharge (\$/AF)	\$344	\$327	\$344
Full Service Treated Volumetric Cost (\$/AF)			
Tier 1	\$1,143	\$1,252	\$1,322
Tier 2	\$1,185	\$1,456	\$1,512
Readiness-to-Serve Charge (\$M)	\$140	\$145	\$183
Capacity Charge (\$/cfs)	\$12,200	\$10,700	\$11,700

System Access Rate (SAR)

The SAR is a volumetric¹⁷ system-wide rate charged on each acre-foot of water sold to member public agencies, which water is conveyed through Metropolitan's interconnected regional delivery network, including Metropolitan's right to use SWP facilities for conveyance of SWP and non-SWP water. The SAR would decrease to \$373 per acre-foot in 2023 primarily due to reduced Delta Conveyance, SWC Capital costs and RRWP planning costs, and increase to \$416 per acre-foot in 2024, primarily due to increasing Delta Conveyance and SWC Capital costs. The SAR recovers the cost of providing conveyance and distribution capacity to meet average annual demands, and a portion of Regulatory/Emergency Storage.

The SAR recovers, among other costs, the capital, operating, maintenance, and overhead costs associated with the interconnected regional delivery network necessary to deliver water to meet member agencies' average annual demands, which include the costs of conveyance facilities (facilities outside of Metropolitan's service

¹⁷ A volumetric rate is a charge applied to the actual amount of water delivered.

area) and distribution facilities (facilities within Metropolitan's Distribution System), and portions of Regulatory/Emergency Storage facilities.

Metropolitan's delivery network costs are treated the same whether they were incurred for the SWP or the CRA. The fact that, unlike the CRA, Metropolitan does not hold legal title to the SWP facilities and does not operate the SWP facilities is immaterial for purposes of cost functionalization for the COS and rate determination process.

Metropolitan, like the other State Water Contractors, is obligated to pay all operating expenses and capital costs incurred by the SWP to provide the contractual supply and transportation services. The expenses include all unexpected expenses resulting from operational issues and changes in regulations. DWR charges Metropolitan based on estimated expenses and has the right to charge Metropolitan for any expenses beyond the estimates. The State Water Contractors carry all financial risk and must pay any costs without any regard for Metropolitan's own cash flows. By allocating costs, DWR does not bear any of these risks; the risks fall to the State Water Contractors. Metropolitan was even responsible for paying for the SWP costs during the extended original construction period, years before Metropolitan received any SWP water. This is also not something typical of a supply contract and hence supportive of Metropolitan's cost functionalization process.

Metropolitan is also responsible for managing its SWP supply and transportation resources. Metropolitan determines what water to store and deliver in any year from its resource portfolio. On October 1 prior to the beginning of the Calendar Year, Metropolitan must provide its initial water order, plus any variations requested by DWR. The planning for this water order begins as early as the preceding July. A considerable amount of strategy goes in to determining which resource Metropolitan will dispatch when and deliver where to maximize resources. Examples of issues that Metropolitan must consider when managing SWP resources include:

- the level of the Table A allocation, and the amount of Table A supply available to Metropolitan, Desert Water Agency (DWA) and Coachella Valley Water District CVWD;
- shaping deliveries to the order to accommodate Article 21 (surplus water), turnback pool water (Table A allocation not needed by a Contractor) or Article 56 (b) water (water rescheduled due to system outages) if available;
- the amount of Carryover water in San Luis Reservoir, and the timing and location of need;
- the maximum input and withdrawal capacities of the Central Valley Storage programs, depending on whether Metropolitan is storing or withdrawing from these programs, and considering the level of water stored;
- the availability or need to refill Flexible Storage in Castaic and Perris Reservoirs;
- the availability of water transfer supplies; and,
- the supply conditions on the Colorado River.

Metropolitan, not DWR, is responsible for determining how, when or where to deliver any of the supply sources Metropolitan has that can be conveyed on the SWP. As a result of the execution of Monterey Amendments, the SWP can convey SWP water and non-SWP water and can be used by non-State Water Contractors; it is, therefore, appropriate to consider the SWP as part of Metropolitan's interconnected regional delivery network as has been confirmed by the Court of Appeal in *SDCWA v. MWD* (2017) 12 Cal.App.5th 1124. The volume of water delivered under arrangements, other than the contracts for delivery of water with the DWR, is also not determinative of the cost treatment; the ability to move *any* volume is what is relevant to the functionalization of Metropolitan's costs.

Like the SWP costs, Metropolitan fully pays the operating and capital costs of the CRA maintenance, operations and supply portfolio and the risks fall on Metropolitan.

Metropolitan uses the CRA for the conveyance of its multiple CRA resources. It is responsible for determining what water to store and deliver in any year from its resource portfolio. Prior to the beginning of the calendar year, Metropolitan must provide its Plan for the Creation of Extraordinary Conservation ICS to the Bureau of Reclamation in June and its best estimate of monthly diversion requirements in September. The amount of Extraordinary Conservation ICS which Metropolitan plans to create is deducted from the total supply available for diversion. In October or November, Reclamation staff conducts a consultation with Metropolitan prior to Reclamation's Regional Director making an annual determination of Metropolitan's estimated water requirements for the ensuing calendar year to the end that deliveries of Colorado River water to Metropolitan will not exceed those reasonably required for beneficial use. Reclamation provides Metropolitan with a notice of the Regional Director's determination regarding Metropolitan's proposed diversion and beneficial use of Colorado River water for the calendar year. A considerable amount of strategy is employed to determine which resources Metropolitan will dispatch and deliver to maximize use of the resources. Examples of issues that Metropolitan must consider when managing CRA resources include:

- the magnitude of the SWP Table A allocation, and the amount of Table A supply available to Metropolitan, DWA and CVWD;
- the amount of SWP surplus, turnback pool, and carryover water;
- the amount of ICS water that can be accessed;
- the amount of water in the DWA/CVWD advance delivery account; and,
- the Colorado River supply conditions and the projection of the likelihood of Lake Mead shortage, normal, and surplus conditions in future years.

Metropolitan is responsible for determining how, when and where to deliver any of the supply sources Metropolitan has that can be transported by the CRA. Metropolitan also uses the CRA to convey non-Metropolitan water to non-member agencies: the temporary emergency wheeling of Mexican Treaty Waters of the Colorado River for Tijuana. Given that the CRA can deliver water as a result of the execution of agreements apart from Metropolitan's 1930 contract for delivery of water, 1931 supplementary contract for delivery of water, 1946 contract merging the rights of the City of San Diego and Metropolitan, and 1987 contract for delivery of surplus flows from the Colorado River with the U.S. Department of the Interior, and that it is capable of delivering water to other water agencies, it is appropriate to consider the CRA as part of Metropolitan's interconnected regional delivery network. The volume of water delivered under arrangements, other than the contracts for delivery of water with the U.S. Department of the Interior, is also not determinative of the cost treatment; the ability to move *any* volume is what is relevant to the functionalization of Metropolitan's costs.

Metropolitan's Conveyance and Aqueduct and Distribution System form a single integrated system for all imported water, which is available to Metropolitan for the conveyance of SWP and CRA water, as well as water supply obtained from supply programs and other water transfers. Metropolitan's rights and ownership of the facilities create regional system flexibility to maintain operating flexibility and delivery flexibility and meet Metropolitan's mission as a public steward of water resources. Metropolitan's member agencies and all residents of Metropolitan's service area benefit from the integration of the SWP and CRA as Metropolitan's Conveyance and Aqueduct facilities, as it allows Metropolitan to meet varying regional demands, accommodate outages, manage water quality goals, maintain emergency storage reserves, and minimize the risk of invasive species infestation.

The treatment of Metropolitan's Conveyance and Aqueduct facilities as one integrated system for purposes of rate-setting is not uncommon or novel. The Federal Energy Regulatory Commission (FERC), for example, recognizes the practice of rolling the costs of transmission facilities into a single rate when the facilities are part of an integrated system. The practice is recognized regardless of legal ownership of (or allocations in) a particular facility.

Benefits

The SAR benefits include: (1) support of a regional approach; (2) accommodates a water transfer market that does not unfairly advantage one user over another; (3) provides a clear linkage between costs and benefits; and (4) establishes a simple approach to recovering the costs of conveyance and distribution functions.

The SAR supports a regional approach through the uniform, postage stamp rate element. This region-wide funding mechanism helps ensure economies of scale and low costs for all of Metropolitan's member agencies.

The SAR is a cost-based rate. By providing a non-discriminatory rate element to all parties that wish to use available system capacity to move water anywhere in the Metropolitan service area, the uniform SAR creates the opportunity for a fair and efficient water transfer market to develop. In keeping with the spirit of a regional provider approach, the SAR is uniform throughout the service area. Member agencies that receive full-service water from Metropolitan will pay the exact same cost for access to the system as a customer that obtains supply from another supply source.

Charging all users, the same price for access to essential facilities is a basic principle of regulatory economics. The SAR provides a clear linkage between costs and benefits. The cost of service process clearly identifies the costs that are recovered by the SAR. The operational function revenue requirements for conveyance and aqueduct, distribution, and storage are identified and then allocated into commodity (average use), demand (peak use), and standby (emergency and available capacity) related costs.

Only commodity-related costs are allocated to the SAR. The SAR is an easily understood approach. The SAR is a uniform, volumetric per acre-foot rate and is straightforward for both Metropolitan and the member agencies to implement and administer.

System Power Rate (SPR)

The SPR is a volumetric, system-wide rate charged on each acre-foot of Metropolitan supplies moving through the Metropolitan system. SPR would increase to \$187 per acre-foot for 2023 and increase to \$188 in 2024, primarily due to higher State Water Contract power costs and higher CRA power costs. The SPR is a volumetric rate element that recovers the costs of pumping water to Southern California. The SPR recovers the cost of power for both the SWP and CRA.

Benefits

The primary benefit of the SPR is that it clearly identifies Metropolitan's average cost of power.

Treatment Surcharge

The Treatment Surcharge is a system-wide volumetric rate charged on water treated by Metropolitan. The Treatment Surcharge recovers the cost of treating water, including commodity, demand and standby-related costs as determined in the COS for all five treatment plants. The Treatment Surcharge would increase to \$364 per acre-foot in 2023, and increase to \$370 per acre-foot in FY 2024 primarily due to lower treated water sales.

Benefits

There are several primary benefits provided by the Treatment Surcharge. First, only treated water users pay for the costs of treatment. Second, by averaging the costs of providing treated water service over the entire system the regional economies of scale are preserved.

Capacity Charge

The Capacity Charge would decrease to \$10,700 per cubic-foot-second of capacity during calendar year 2023, as less capital costs are allocated to meet peak day system use, reflecting recent member agency non-coincident peaks and reduced capital financing costs. The Capacity Charge would increase to \$11,700 per cubic-foot-second of capacity during calendar year 2024, reflecting the increases to capital financing costs. The Capacity Charge is charged on the peak (maximum) summer day demand, measured in cfs, placed on the distribution system between May 1 and September 30 for a three-calendar year period, calculated for each member agency. The calculation is non-coincident, meaning the peak day will differ for each member agency. The sum of the member agency non-coincident peak day demands is a proxy for peak week demands, which are the design criteria for the Metropolitan Distribution system. The three-year period ending December 31, 2021 is used to charge the Capacity Charge effective January 1, 2023 through December 31, 2023. Demands measured for the purposes of billing the Capacity Charge include all firm demands including wheeling service and exchange.

The Capacity Charge is intended to pay for the cost of providing peak day capacity on Metropolitan's Distribution System, while providing an incentive for local agencies to decrease their use of the Metropolitan system to meet peak day demands and to shift demands into lower use time periods particularly October through April. Over time, a member agency will benefit from local supply investments and operational strategies that reduce its peak day demand on the system in the form of a lower total Capacity Charge. The estimated Capacity Charge to be paid by each member agency in calendar year 2023 is included in Schedule 21.

Benefits

The Capacity Charge provides several benefits including: (1) increasing the overall efficiency of water use; (2) improving the fair allocation of costs among member agencies based upon the demand imposed by each agency; and (3) providing a source of fixed revenue.

The Capacity Charge will improve the overall efficiency of water use by encouraging local agencies to invest in cost effective local storage and resources to avoid using the Metropolitan system to meet peak (maximum) day demands. In addition, significant regional savings can be realized through the deferral of expensive capacity expansion.

Schedule 21: Capacity Charge (by member agency)

Table 1					
Calendar Year 2023 Capacity Charge					
	Peak Day Demand (cfs) (May 1 through September 30)				Rate (\$/cfs): \$10,000
	Calendar Year				
Member Agency	2019	2020	2021	3-Year Peak	Calendar Year 2023 Capacity Charge
Anaheim	37.1	84.1	77.2	84.1	\$841,000
Beverly Hills	23.5	23.2	24.8	24.8	\$248,000
Burbank	17.3	16.6	15.5	17.3	\$173,000
Calleguas	168.9	178.2	189.6	189.6	\$1,896,000
Central Basin	48.6	51.9	54.1	54.1	\$541,000
Compton	2.9	0.0	0.0	2.9	\$29,000
Eastern	196.8	211.5	215.3	215.3	\$2,153,000
Foothill	16.0	19.3	22.8	22.8	\$228,000
Fullerton	13.1	14.1	20.0	20.0	\$200,000
Glendale	32.2	37.9	32.5	37.9	\$379,000
Inland Empire	118.7	98.4	101.4	118.7	\$1,187,000
Las Virgenes	39.4	41.7	42.9	42.9	\$429,000
Long Beach	51.8	67.3	45.7	67.3	\$673,000
Los Angeles	283.2	339.0	584.1	584.1	\$5,841,000
MWDOC	263.2	272.2	315.7	315.7	\$3,157,000
Pasadena	39.9	46.4	48.2	48.2	\$482,000
San Diego CWA	672.1	723.4	672.5	723.4	\$7,234,000
San Fernando	0.0	0.0	0.0	0.0	\$0
San Marino	2.3	7.3	5.4	7.3	\$73,000
Santa Ana	19.4	21.7	18.3	21.7	\$217,000
Santa Monica	20.7	17.0	15.1	20.7	\$207,000
Three Valleys	128.1	134.3	138.3	138.3	\$1,383,000
Torrance	27.8	28.9	27.2	28.9	\$289,000
Upper San Gabriel	29.1	21.1	32.4	32.4	\$324,000
West Basin	211.8	196.0	218.2	218.2	\$2,182,000
Western MWD	186.1	175.1	189.4	189.4	\$1,894,000
Total	2,650.0	2,826.6	3,106.6	3,226.0	\$32,260,000
Totals may not foot due to rounding					

The Capacity Charge also improves the equitable distribution of costs among the member agencies. Agencies that have relatively high peak demand to average demand ratios will bear a greater share of the costs of providing peak (maximum) day distribution capacity. The Capacity Charge also increases the portion of Metropolitan's fixed costs that are recovered by fixed charges.

Readiness-to-Serve Charge

The RTS recovers the costs of providing emergency storage capacity and available capacity to meet outages and hydrologic variability. The RTS will increase to \$145 million in calendar year 2023. The RTS increases to \$183 million in calendar year 2024, reflecting increases in capital financing costs, including Delta Conveyance planning costs.

The RTS is allocated to the member agencies based on each agency's share of a ten-year rolling average of all firm demands, including water transfers and exchanges that use Metropolitan system capacity.¹⁸ A ten-year rolling average leads to a relatively stable RTS allocation that reasonably represents an agency's potential long-term need for available capacity under different hydrologic conditions. Member agencies that so choose may have a portion of their total RTS obligation offset by Standby Charge collections collected by Metropolitan on behalf of the member agency. The estimated RTS for each member agency for calendar year 2023 is shown in Schedule 22.

Benefits

The RTS provides two major benefits. These include: (1) a better matching of costs and benefits; and (2) a SAR that recovers only those costs associated with providing average annual service.

The proposed RTS matches costs and benefits in two ways. First, the RTS will recover the amount of emergency storage and available capacity costs needed to maintain reliable deliveries during outages and service interruptions and during periods of hydrologic variability, as identified in the COS, that is not paid for by ad valorem property tax revenues. Second, the proposed RTS allocates the emergency storage and available capacity costs among the member agencies in a manner that better represents each agency's potential need for standby availability. The RTS uses a ten-year rolling average of demands. A long-term rolling average like the ten-year measure is a simple and reasonable representation of an agency's potential need for available capacity under a range of 91 conditions.

¹⁸ The SDCWA exchange water transactions are excluded from the calculation of the ten-year rolling average per the terms of the parties' exchange agreement.

Schedule 22: Readiness-to-Serve Charge (by member agency)

Calendar Year 2023 RTS Charge			
Member Agency	Rolling Ten-Year Average Firm Deliveries (Acre-Feet) FY2011/12 - FY2020/21	RTS Share	12 months @ \$140 million per year (1/23-12/23)
Anaheim	19,376.9	1.37%	\$ 1,911,830
Beverly Hills	10,308.7	0.73%	1,017,112
Burbank	13,354.6	0.94%	1,317,637
Calleguas MWD	96,573.4	6.81%	9,528,457
Central Basin MWD	34,311.0	2.42%	3,385,310
Compton	340.2	0.02%	33,566
Eastern MWD	97,570.2	6.88%	9,626,806
Foothill MWD	8,306.1	0.59%	819,525
Fullerton	7,280.1	0.51%	718,294
Glendale	16,256.7	1.15%	1,603,974
Inland Empire Utilities Agency	55,761.7	3.93%	5,501,753
Las Virgenes MWD	20,715.7	1.46%	2,043,924
Long Beach	29,251.8	2.06%	2,886,142
Los Angeles	273,537.0	19.28%	26,988,648
Municipal Water District of Orange County	195,277.4	13.76%	19,267,130
Pasadena	18,954.2	1.34%	1,870,124
San Diego County Water Authority	214,362.4	15.11%	21,150,160
San Fernando	29.7	0.00%	2,930
San Marino	974.0	0.07%	96,100
Santa Ana	9,606.6	0.68%	947,839
Santa Monica	4,607.4	0.32%	454,591
Three Valleys MWD	63,736.2	4.49%	6,288,560
Torrance	15,549.0	1.10%	1,534,149
Upper San Gabriel Valley MWD	30,096.0	2.12%	2,969,435
West Basin MWD	113,660.3	8.01%	11,214,343
Western MWD	69,139.3	4.87%	6,821,659
MWD Total	1,418,936.6	100.00%	\$ 140,000,000

Totals may not foot due to rounding

Purchase Order

Purchase Orders were developed to establish a financial commitment from the member agency to Metropolitan in exchange for the ability to purchase more water at the lower Tier 1 Supply Rate. In November 2014, the Metropolitan Board approved new Purchase Orders effective January 1, 2015 through December 31, 2024. Twenty-one of the twenty-six-member agencies have Purchase Orders, which commit the member agencies to purchase a minimum amount of supply from Metropolitan (the Purchase Order Commitment) over a ten-year period.

There is no annual minimum or maximum purchase commitment required by the Purchase Order. A member agency has the full ten-year term to fulfill the Purchase Order Commitment. In exchange for this commitment, the member agency can purchase an amount of firm water supply equal to 90 percent of its cumulative Base Period Demand over the full ten years at the lower Tier 1 Supply Rate. An agency that determined that a Purchase Order is not in its best interest may purchase up to 60 percent of its Revised Base Firm Demand annually at the lower Tier 1 Supply Rate. The terms and conditions of the Purchase Order are uniform for all member agencies.

The Base Period Demand was established for each member agency. Member agencies chose a base amount of (1) the member agency's Revised Base Firm Demand which is the highest fiscal year purchases during the 13-year period of fiscal year 1990 through fiscal year 2002, or (2) the highest year purchases in the most recent 12-year period of fiscal year 2003 through fiscal year 2014.

At the end of the Purchase Order Term, if the member agency has not purchased enough firm supply to meet its Purchase Order Commitment, it will be billed for the remaining balance of the Purchase Order Commitment at the average of the Tier 1 Supply Rate in effect during the Term. This payment may be prorated with interest evenly over the next 12 invoices.

If a member agency fulfills its Purchase Order Commitment prior to the end of the Purchase Order Term, (e.g. purchased ten times 60 percent of the Initial Base Period Demand) then the member agency has met its obligation under the Purchase Order. The member agency may continue to purchase up to 90 percent of its cumulative Base Period Demand over the Term at the Tier 1 Supply Rate for the duration of the Purchase Order Term.

Although the maximum amount of water that can be purchased at the Tier 1 Supply Rate may increase over time if the agency's Base Period Demand increases, the Purchase Order Commitment is fixed for the entire Purchase Order Term and does not increase.

Tier 1 Supply Rate

The Tier 1 Supply Rate is a volumetric rate charged on Metropolitan water transactions that are within a member agency's Tier 1 maximum. The Tier 1 Supply Rate would increase to \$261 per acre-foot in 2023 due to increasing Supply Program costs. The Tier 1 Supply Rate would increase to \$310 per acre-foot in 2024. The Tier 1 Supply Rate supports a regional approach through the uniform, postage stamp rate element. The Tier 1 Supply Rate is calculated as the amount of the total supply revenue requirement that is not recovered by the Tier 2 Supply Rate divided by the estimated amount of Tier 1 water transactions.

Tier 2 Supply Rate

The Tier 2 Supply Rate is a volumetric rate that reflects the costs in Tier 1, plus Metropolitan's cost of purchasing water transfers north of the Delta. The Tier 2 Supply Rate is charged on Metropolitan water transactions that exceed a member agency's Tier 1 maximum. The Tier 2 Supply Rate also encourages the member agencies and their customers to maintain existing local supplies and develop cost-effective local

supply resources and conservation. The Tier 2 Supply Rate would increase to \$510 per acre-foot in 2023 and 2024. At an expected average sales level of 1.5 MAF in FY 2022/23 and 1.5 MAF in FY 2023/24, it is estimated that no supply will be sold at the Tier 2 Supply Rate in either fiscal year.

Benefits

The use of the Tier 2 Supply Rate provides several benefits including, efficient resource management and clear price signals to accommodate a water transfer market. By pricing supplies that exceed 90 percent of a member agency's Base demand at a price reflecting Metropolitan's supply cost, a price incentive exists to encourage efficient regional resource management. Member agencies will be encouraged to invest in cost-effective conservation measures and local resources like water recycling. Metropolitan has historically set its water rates with the primary objective of recovering cost. The Tier 2 Supply Rate is a pricing tool designed specifically for the purpose of creating a greater incentive for member agencies to make economic resource management decisions, while recognizing additional costs associated with securing more supply resources.

The Tier 2 Supply Rate will reflect Metropolitan's cost of acquiring transfers from north of the Delta. In so doing, Metropolitan will be competing in the water transfer market along with other providers of imported water supplies. If other providers of imported supply can develop additional supply at a lower cost than Metropolitan's Tier 2 Supply Rate, the water transfer market will expand to meet the region's increasing demands.

Transactions

Staff estimates of water transactions used for developing the rate recommendation were based on current member agency demands and information and an expectation that demands will trend to levels expected under normal weather conditions. Table 23 summarizes projected water transactions by service type for Cash Year 2022/23 and Cash Year 2023/24.

Schedule 23: Cash Year Transactions, by Type

Cash Year Ending	2023	2024
Transactions by Treatment Type		
Treated Firm Transactions	770	780
Untreated Firm Transactions	541	482
Untreated Exchange	279	278
Total Transactions	1,590	1,540
Firm Transactions by Type		
Tier 1	1,311	1,262
Tier 2	-	-
Total Firm Transactions	1,311	1,262

APPENDIX: COS TABLES

	Labor And Labor Additive	Outside Services	Utilities	Chemicals	Other O&M	O&M Capitalization (pro-rated)	Projected Total To Be functionalized
Departmental O&M							
Group Item							
Office of General Manager	6,913,197	1,000,000	-	-	226,200	(289,049)	7,850,348
Office of General Manager	1,515,902	105,000	-	-	564,190	(77,598)	2,107,494
Bay Delta Initiatives	5,525,660	3,455,700	-	-	3,518,076	(443,885)	12,055,551
External Affairs	4,041,848	1,320,500	5,250	-	1,090,348	(229,337)	6,228,609
External Affairs	5,070,386	351,449	-	-	549,290	(212,049)	5,759,076
External Affairs	6,639,019	775,172	-	-	2,835,058	(363,975)	9,885,274
External Affairs	3,838,821	1,059,500	-	-	1,091,650	(212,718)	5,777,253
Human Resources	12,043,795	2,180,692	-	-	2,006,325	(576,395)	15,654,418
Water Systems Operations	8,305,151	245,000	3,000,000	-	251,715	(419,112)	11,382,754
Water Systems Operations	855,353	-	-	-	51,930	(32,220)	875,063
Water Systems Operations	427,676	110,000	-	-	693,500	(43,722)	1,187,454
Water Systems Operations	1,677,544	323,000	6,500	-	275,350	(81,053)	2,201,341
Water Systems Operations	7,146,152	195,000	45,600	-	812,750	(291,184)	7,908,318
Water Systems Operations	27,049,712	451,300	198,000	13,800	6,770,483	(1,224,584)	33,258,711
Water Systems Operations	7,696,700	69,700	66,580	-	1,892,461	(345,374)	9,380,068
Water Systems Operations	3,224,757	223,000	-	-	443,500	(138,188)	3,753,069
Water Systems Operations	2,024,585	-	-	-	146,988	(77,118)	2,094,455
Water Systems Operations	11,836,690	342,000	1,859,640	5,294,053	953,857	(701,630)	19,584,610
Water Systems Operations	11,356,450	223,600	2,994,449	6,201,492	561,864	(744,381)	20,593,474
Water Systems Operations	10,774,027	244,242	900,965	2,216,092	660,117	(528,078)	14,267,365
Water Systems Operations	10,562,878	144,070	2,127,753	3,759,531	605,099	(601,087)	16,596,243
Water Systems Operations	12,326,929	113,000	1,619,124	5,491,193	583,189	(754,192)	19,379,244
Water Systems Operations	22,642,690	3,295,696	461,000	-	3,458,755	(1,060,334)	28,797,807
Water Systems Operations	15,069,220	2,729,100	1,799,700	-	2,683,684	(791,276)	21,490,427
Water Systems Operations	12,670,814	1,525,000	2,985,705	-	1,751,990	(672,374)	18,261,135
Water Systems Operations	7,820,904	223,700	236,100	-	547,800	(313,521)	8,514,983
Water Systems Operations	12,663,609	1,280,591	1,400,000	-	1,431,825	(595,757)	16,180,269
Water Systems Operations	7,840,347	455,100	13,100	-	5,171,000	(478,691)	13,000,856
Water Systems Operations	8,303,288	18,500	60,000	-	860,450	(338,868)	9,203,370
Water Systems Operations	745,910	23,000	-	-	81,922	(30,215)	820,617
Water Systems Operations	-	-	-	-	-	-	-
Sustainability, Resilience & Innovation	6,150,206	3,830,000	-	-	338,574	(366,444)	9,952,336
Diversity, Equity & Inclusion	1,036,727	400,000	-	-	42,540	(52,532)	1,426,735
Equal Employment Opportunity	1,629,751	400,000	-	-	18,820	(72,500)	1,975,822
Office of the Chief Financial Officer	13,575,961	1,780,900	-	-	14,650,102	(1,065,619)	28,941,344
Business Technology Office of Manager	-	-	-	-	-	-	-
Engineering Services	38,863,302	8,801,000	85,000	-	3,068,400	(1,804,658)	49,013,044
Business Technology	18,951,861	12,671,100	-	-	2,732,590	(1,220,048)	33,135,504
Business Technology	33,621,556	5,414,500	-	-	11,937,547	(1,810,194)	49,163,406
Water Resources Management	4,251,421	1,020,000	-	-	441,900	(202,894)	5,510,434
Water Resources Management	10,902,237	1,537,800	-	-	5,098,764	(622,845)	16,915,956
Water Resources Management	2,506,605	75,000	-	-	75,090	(94,346)	2,562,350
Ethics Office	1,833,374	270,369	-	-	80,460	(77,566)	2,106,637
Real Property	12,205,062	9,962,125	1,742,				

Functional Assignment of Labor Costs
Fiscal Year Ending 2023

Departmental O&M

Group	Item
Office of General Manager	
Office of General Manager	Board of Directors
Bay Delta Initiatives	Bay Delta Initiatives
External Affairs	Legislative Services
External Affairs	Media Communications Services
External Affairs	Manager, External Affairs/Special Projects
External Affairs	Conservation & Community Services
Human Resources	
Water Systems Operations	Office of the Manager
Water Systems Operations	Office of the Manager, Conveyance & Aqueduct
Water Systems Operations	Office of the Manager, Treatment & Distribution
Water Systems Operations	Office of the Manager, Operations & Maintenance
Water Systems Operations	Operations Support Services
Water Systems Operations	Desert Region / C&D CRA
Water Systems Operations	System Operations Unit
Water Systems Operations	Power Operations and Planning
Water Systems Operations	Operations Planning & Programs Unit
Water Systems Operations	Treatment Jensen
Water Systems Operations	Treatment Diemer
Water Systems Operations	Treatment Mills
Water Systems Operations	Treatment Skinner
Water Systems Operations	Treatment Weymouth
Water Systems Operations	Water Quality Section
Water Systems Operations	C&D, Eastern Unit
Water Systems Operations	C&D, Western Unit
Water Systems Operations	OSS, Manufacturing Services Unit
Water Systems Operations	Environmental Health & Safety Section
Water Systems Operations	OSS, Fleet Services Unit
Water Systems Operations	OSS, Power Support Unit
Water Systems Operations	Office of the Manager, Operations & Maintenance
Water Systems Operations	Security Team & Security Management
Sustainability, Resilience & Innovation	
Diversity, Equity & Inclusion	
Equal Employment Opportunity	
Office of the Chief Financial Officer	
Business Technology	Office of Manager
Engineering Services	
Business Technology	Administrative Services
Business Technology	Information Technology
Water Resources Management	Resource Planning & Development
Water Resources Management	Resource Implementation
Water Resources Management	Office of the Group Manager
Ethics Office	
Real Property	
General Counsel	
General Auditor	
Total Departmental O&M	

Source of Supply			Conveyance & Aqueduct					Storage				Treatment					Distribution	Demand Management	Hydro-Electric	Administrative & General	Total \$ Functionalized
CRA	SWP	Other Supply	CRA		SWP		Other Conv. & Aqueduct	Storage Costs Other Than Power			Power	Jensen	Weymouth	Diemer	Mills	Skinner					
			CRA Power	CRA All Other	SWP Power	SWP All Other		Emergency	Drought	Regulatory											
110,643	192,495	171,178	41,676	632,289	-	281,597	97,388	94,212	71,997	49,811	-	347,578	347,492	367,832	262,573	314,499	1,384,934	130,564	78,309	1,936,132	6,913,197
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,515,902	1,515,902
-	-	-	-	-	-	5,525,660	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,525,660
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,041,848
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,070,386
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,639,019
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,838,821
192,755	335,354	298,216	489,160	1,101,540	-	490,582	169,665	164,130	125,429	86,779	-	605,532	605,382	640,816	457,440	547,903	2,412,756	1,919,411	136,427	3,373,023	12,043,795
153,480	153,480	153,480	98,681	1,316,385	-	82,825	-	24,000	24,000	24,000	-	600,834	618,560	583,471	562,412	554,778	2,679,955	227,461	170,736	528,308	8,305,151
-	-	-	-	434,125	-	30,829	-	-	-	-	-	-	-	-	-	-	357,963	-	12,249	20,186	855,353
-	-	-	-	-	-	-	-	-	-	-	-	77,372	80,576	74,232	70,425	69,045	56,026	-	-	-	427,676
31,001	31,001	31,001	19,084	265,894	-	16,730	-	4,848	4,848	4,848	-	121,362	124,942	117,854	113,601	112,059	541,320	-	34,487	106,712	1,677,544
-	-	-	-	188,658	-	-	-	-	-	-	-	89,184	89,184	89,184	89,184	89,184	6,145,691	-	108,622	257,261	7,146,152
-	-	-	-	27,049,712	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27,049,712
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7,696,700	-	-	-	7,696,700
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,080,294	-	786,841	306,352	2,024,585
674,862	674,862	674,862	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	10,286,084	-	-	-	-	1,550,606	-	-	-	11,836,690
-	-	-	-	-	-	-	-	-	-	-	-	-	-	9,868,755	-	-	1,487,695	-	-	-	11,356,450
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9,362,630	-	1,411,398	-	-	-	10,774,027
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9,179,141	1,383,737	-	-	-	10,562,878
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,614,828	-	-	-	12,326,929
3,041,668	3,041,668	3,041,668	2,217,431	-	-	-	-	581,162	581,162	581,162	-	2,354,840	2,354,840	2,354,840	2,354,840	2,354,840	-	-	-	-	22,642,690
-	-	-	-	757,982	-	1,556,650	-	-	-	-	-	-	-	-	-	-	11,728,374	-	391,800	634,414	15,069,220
-	-	-	-	253	-	418,137	-	-	-	-	-	-	-	-	-	-	11,201,000	-	392,795	658,629	12,670,814
-	-	-	-	375,403	-	-	-	-	-	-	-	132,361	132,361	132,361	132,361	132,361	6,179,297	-	77,896	526,503	7,820,904
-	-	-	-	1,938,799	-	-	-	-	-	-	-	1,016,128	1,016,128	1,016,128	1,016,128	1,016,128	5,014,789	-	39,257	590,124	12,663,609
-	-	-	-	1,131,362	-	-	-	-	-	-	-	339,173	339,173	339,173	339,173	339,173	4,150,680	-	-	862,438	7,840,347
-	-	-	-	-	-	-	-	-	-	-	-	254,081	254,081	254,081	254,081	254,081	3,836,119	-	2,324,921	120,398	8,303,288
13,785	13,785	13,785	7,114	118,228	-	7,439	-	2,156	2,156	2,156	-	53,963	55,555	52,403	50,512	49,826	240,695	-	15,334	47,449	745,910
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,150,206
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,036,727
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,629,751
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13,575,961
-	-	1,531,214	-	1,208,649	-	590,722	5,829,495	4,414,871	2,654,364	2,118,050	-	2,048,096	2,153,027	2,596,069	691,767	2,207,436	7,049,803	77,727	579,063	2,351,230	38,863,302
538,097	936,176	832,503	-	3,075,068	-	1,369,514	473,637	458,188	350,148	242,252	-	1,690,408	1,689,990	1,788,908	1,276,992	1,529,530	6,735,469	634,982	380,849	18,951,861	33,621,556
-	-	3,685,982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	323,108	242,331	-	-	4,251,421
1,645,147	4,947,435	482,969	-	-	-	32,707	-	-	-	-	-	-	-	-	-	-	-	3,771,084	-	22,895	10,902,237
285,307	858,001	617,746	-	-	-	5,672	-	-	-	-	-	-	-	-	-	-	46,809	689,100	-	3,970	2,506,605
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,833,374
280,716	475,997	-	-	1,733,119	-	2,245,731	-	317,332	543,125	128,153	-	-	-	-	-	-	1,496,341	-	-	4,984,547	12,205,062
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13,057,727	13,057,727
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,130,870	4,130,870
6,967,462	11,660,254	11,534,603	2,873,147	41,327,467	-	12,654,795	6,570,186	6,060,899	4,357,227	3,237,211	-	20,016,994	20,573,392	20,276,107	17,034,118	18,749,982	87,806,384	7,692,659	5,529,586	106,299,776	411,326,680

Allocation Percentages: Source Of Supply, CRA
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					% Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
	Office of General Manager	125,641	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Office of General Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	External Affairs	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	External Affairs	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	External Affairs	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	External Affairs	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Human Resources	250,542	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	210,355	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-						

Allocation of Revenue Requirements: Source Of Supply, CRA
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					Total	
			Fixed			Variable Commodity	Other		Hydroelectric
			Demand	Commodity	Standby				
Departmental O&M									
Group	Item								
Office of General Manager		125,641	-	125,641	-	-	-	-	125,641
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		250,542	-	250,542	-	-	-	-	250,542
Water Systems Operations	Office of the Manager	210,355	-	210,355	-	-	-	-	210,355
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	40,681	-	40,681	-	-	-	-	40,681
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	698,152	-	698,152	-	-	-	-	698,152
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	3,868,505	-	3,868,505	-	-	-	-	3,868,505
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	15,165	-	15,165	-	-	-	-	15,165
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-	-
Sustainability, Resilience & Innovation		-	-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-	-
Office of the Chief Financial Office		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		-	-	-	-	-	-	-	-
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	786,837	-	786,837	-	-	-	-	786,837
Water Resources Management	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Management	Resource Implementation	2,552,618	-	2,552,618	-	-	-	-	2,552,618
Water Resources Management	Office of the Group Manager	291,652	-	291,652	-	-	-	-	291,652
Ethics Office		-	-	-	-	-	-	-	-
Real Property		675,397	-	675,397	-	-	-	-	675,397
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	9,515,545	-	9,515,545	-	-	-	-	9,515,545
GENERAL DISTRICT REQUIREMENTS									
State Water Contract									
Supply - O&M		-	-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-	-
Delta Conveyance - Other		-	-	-	-	-	-	-	-
Total State Water Contract		-	-	-	-	-	-	-	-
Colorado River Aqueduct Power Costs									
		-	-	-	-	-	-	-	-
Supply Programs (cash funded portion)									
		47,197,861	-	47,197,861	-	-	-	-	47,197,861
Demand Management (cash funded portion)									
Local Resources Program		-	-	-	-	-	-	-	-
Future Supply Actions & Stormwater Pilot		-	-	-	-	-	-	-	-
Conservation Program (cash funded portion)		-	-	-	-	-	-	-	-
Total Demand Management Costs		-	-	-	-	-	-	-	-
Capital Financing									
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	-	-	-	-	-	-	-
G.O. Bond Debt Service		-	-	-	-	-	-	-	-
Debt Administration		-	-	-	-	-	-	-	-
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		-	-	-	-	-	-	-	-
Total Capital Financing Costs		-	-	-	-	-	-	-	-
Regional Recycled Water Program planning costs									
		-	-	-	-	-	-	-	-
Other Operating Costs									
Operating Equipment		150,361	-	150,361	-	-	-	-	150,361
Succession Planning Labor Pool	-	80,023	-	80,023	-	-	-	-	80,023
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		230,383	-	230,383	-	-	-	-	230,383
Increase/(Decrease) in Required Reserves									
		-	-	-	-	-	-	-	-
Total General District Requirements									
		47,428,245	-	47,428,245	-	-	-	-	47,428,245
REQUIREMENTS BEFORE OFFSETS:									
		56,943,789	-	56,943,789	-	-	-	-	56,943,789
Revenue Offsets									
Property Taxes - MWD Portion of SWC GO Debt Service		-	-	-	-	-	-	-	-
Property Taxes - MWD GO Debt Service		-	-	-	-	-	-	-	-
Interest on Investments		181,407	-	181,407	-	-	-	-	181,407
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue		-	-	-	-	-	-	-	-
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease)		-	-	-	-	-	-	-	-
Property Taxes - SWC		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets		181,407	-	181,407	-	-	-	-	181,407
NET REVENUE REQUIREMENTS:									
		56,762,382	-	56,762,382	-	-	-	-	56,762,382

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Source Of Supply, CRA
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					Total	
			Fixed			Variable Commodity	Other		Hydroelectric
			Demand	Commodity	Standby				
Departmental O&M									
Group	Item								
Office of General Manager		110,643	-	110,643	-	-	-	110,643	
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	-	
External Affairs	Legislative Services	-	-	-	-	-	-	-	
External Affairs	Media Communications Services	-	-	-	-	-	-	-	
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	
Human Resources		192,755	-	192,755	-	-	-	192,755	
Water Systems Operations	Office of the Manager	153,480	-	153,480	-	-	-	153,480	
Water Systems Operations	Office of the Manager, Conveyance & Distribution Sec	-	-	-	-	-	-	-	
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	
Water Systems Operations	Office of the Manager, Operations Support Services	31,001	-	31,001	-	-	-	31,001	
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	
Water Systems Operations	Operations Planning & Programs Unit	674,862	-	674,862	-	-	-	674,862	
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	
Water Systems Operations	Water Quality Section	3,041,668	-	3,041,668	-	-	-	3,041,668	
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	
Water Systems Operations	Office of the Manager, Operations & Planning Section	13,785	-	13,785	-	-	-	13,785	
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-	
Sustainability, Resilience & Innovati		-	-	-	-	-	-	-	
Diversity, Equity & Inclusion		-	-	-	-	-	-	-	
Equal Employment Opportunity		-	-	-	-	-	-	-	
Office of the Chief Financial Officer		-	-	-	-	-	-	-	
Business Technology	Office of Manager	-	-	-	-	-	-	-	
Engineering Services		-	-	-	-	-	-	-	
Business Technology	Administrative Services	-	-	-	-	-	-	-	
Business Technology	Information Technology	538,097	-	538,097	-	-	-	538,097	
Water Resources Management	Resource Planning & Development	-	-	-	-	-	-	-	
Water Resources Management	Resource Implementation	1,645,147	-	1,645,147	-	-	-	1,645,147	
Water Resources Management	Office of the Group Manager	285,307	-	285,307	-	-	-	285,307	
Ethics Office		-	-	-	-	-	-	-	
Real Property		280,716	-	280,716	-	-	-	280,716	
General Counsel		-	-	-	-	-	-	-	
General Auditor		-	-	-	-	-	-	-	
Total Departmental O&M	-	6,967,462	-	6,967,462	-	-	-	6,967,462	

Allocation Percentages: Source Of Supply, SWP
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					% Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		218,589	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bay Delta Initiatives	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		435,890	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	210,355	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	40,681	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	698,152	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	3,868,505	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	15,165	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Sustainability, Resilience & Innovation		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Diversity, Equity & Inclusion		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Equal Employment Opportunity		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	1,368,932	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	7,676,461	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	877,082	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Real Property		1,145,238	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		16,555,050	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M		110,115,149	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Supply - Capital		80,437,139	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Power - O&M & Off-Aq Capital		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Power - Capital (less Off-Aq)		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Transmission - O&M - Commodity only		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Delta Conveyance - Other		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total State Water Contract		190,552,288	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs (cash funded portion)		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Demand Management (cash funded portion)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Future Supply Actions & Stormwater Pilot		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Conservation Program (cash funded portion)		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
G.O. Bond Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Debt Administration		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Bond Defeasance		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
PAYGO		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Capital Financing Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Regional Recycled Water Program planning costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs								
Operating Equipment		261,596	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Succession Planning Labor Pool		139,223	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		400,819	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements		190,953,107	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		207,508,157	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - MWD GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Interest on Investments		661,065	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease)		5,930,280	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Property Taxes - SWC		44,423,863	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Annexation		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Revenue Offsets		51,015,208	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Source Of Supply, SWP
Fiscal Year Ending 2023

	Functionalization	Allocation Percentages					Total
		Fixed			Variable Commodity	Hydroelectric	
		Demand	Commodity	Standby			
Departmental O&M							
Group	Item						
Office of General Manager		218,589	-	218,589	-	-	218,589
Office of General Manager	Board of Directors	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-
Human Resources		435,890	-	435,890	-	-	435,890
Water Systems Operations	Office of the Manager	210,355	-	210,355	-	-	210,355
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	40,681	-	40,681	-	-	40,681
Water Systems Operations	Operations Support Services	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	698,152	-	698,152	-	-	698,152
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	3,868,505	-	3,868,505	-	-	3,868,505
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	15,165	-	15,165	-	-	15,165
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-
Engineering Services		-	-	-	-	-	-
Business Technology	Administrative Services	-	-	-	-	-	-
Business Technology	Information Technology	1,368,932	-	1,368,932	-	-	1,368,932
Water Resources Management	Resource Planning & Development	-	-	-	-	-	-
Water Resources Management	Resource Implementation	7,676,461	-	7,676,461	-	-	7,676,461
Water Resources Management	Office of the Group Manager	877,082	-	877,082	-	-	877,082
Ethics Office		-	-	-	-	-	-
Real Property		1,145,238	-	1,145,238	-	-	1,145,238
General Counsel		-	-	-	-	-	-
General Auditor		-	-	-	-	-	-
Total Departmental O&M	-	16,555,050	-	16,555,050	-	-	16,555,050
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-
		-	-	-	-	-	-
State Water Contract		-	-	-	-	-	-
Supply - O&M		110,115,149	-	110,115,149	-	-	110,115,149
Supply - Capital		80,437,139	-	80,437,139	-	-	80,437,139
Power - O&M & Off-Aq Capital		-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-
Delta Conveyance - Other		-	-	-	-	-	-
Total State Water Contract		190,552,288	-	190,552,288	-	-	190,552,288
Colorado River Aqueduct Power Costs		-	-	-	-	-	-
		-	-	-	-	-	-
Supply Programs (cash funded portion)		-	-	-	-	-	-
		-	-	-	-	-	-
Demand Management (cash funded portion)		-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-
Future Supply Actions & Stormwater Pilot		-	-	-	-	-	-
Conservation Program (cash funded portion)		-	-	-	-	-	-
Total Demand Management Costs		-	-	-	-	-	-
Capital Financing		-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	-	-	-	-	-
G.O. Bond Debt Service		-	-	-	-	-	-
Debt Administration		-	-	-	-	-	-
Bond Defeasance		-	-	-	-	-	-
PAYGO		-	-	-	-	-	-
Total Capital Financing Costs		-	-	-	-	-	-
Regional Recycled Water Program planning costs		-	-	-	-	-	-
		-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-
Operating Equipment		261,596	-	261,596	-	-	261,596
Succession Planning Labor Pool		139,223	-	139,223	-	-	139,223
OPEB/PERS Pre-Funding		-	-	-	-	-	-
Total Other Operating Costs		400,819	-	400,819	-	-	400,819
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-
Total General District Requirements		190,953,107	-	190,953,107	-	-	190,953,107
REQUIREMENTS BEFORE OFFSETS:		207,508,157	-	207,508,157	-	-	207,508,157
Revenue Offsets		-	-	-	-	-	-
Property Taxes - MWD Portion of SWC GO Debt Service		-	-	-	-	-	-
Property Taxes - MWD GO Debt Service		-	-	-	-	-	-
Interest on Investments		661,065	-	661,065	-	-	661,065
Hydro-Power Revenue		-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue		-	-	-	-	-	-
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	-	-	-	-	-
Misc. allocated to supply (PVID Lease)		5,930,280	-	5,930,280	-	-	5,930,280
Property Taxes - SWC		44,423,863	-	44,423,863	-	-	44,423,863
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-
Annexation		-	-	-	-	-	-
Total Revenue Offsets		51,015,208	-	51,015,208	-	-	51,015,208
NET REVENUE REQUIREMENTS:		156,492,949	-	156,492,949	-	-	156,492,949

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Source Of Supply, SWP
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		192,495	-	192,495	-	-	-	192,495
Office of General Manager	Board of Directors	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-
Human Resources		335,354	-	335,354	-	-	-	335,354
Water Systems Operations	Office of the Manager	153,480	-	153,480	-	-	-	153,480
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	31,001	-	31,001	-	-	-	31,001
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	674,862	-	674,862	-	-	-	674,862
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	3,041,668	-	3,041,668	-	-	-	3,041,668
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	13,785	-	13,785	-	-	-	13,785
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-
Engineering Services		-	-	-	-	-	-	-
Business Technology	Administrative Services	-	-	-	-	-	-	-
Business Technology	Information Technology	936,176	-	936,176	-	-	-	936,176
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	4,947,435	-	4,947,435	-	-	-	4,947,435
Water Resources Managemen	Office of the Group Manager	858,001	-	858,001	-	-	-	858,001
Ethics Office		-	-	-	-	-	-	-
Real Property		475,997	-	475,997	-	-	-	475,997
General Counsel		-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-
Total Departmental O&M	-	11,660,254	-	11,660,254	-	-	-	11,660,254

Allocation Percentages: Source Of Supply - Other Supply
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					% Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		194,382	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bay Delta Initiatives	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		387,619	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	210,355	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	40,681	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	698,152	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	3,868,505	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	15,165	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Sustainability, Resilience & Innovation		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Diversity, Equity & Inclusion		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Equal Employment Opportunity		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		1,931,114	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	1,217,334	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	4,777,546	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	749,377	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	631,484	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		14,721,714	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Delta Conveyance - Other	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Contract		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs (cash funded portion)		1,250,000	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Demand Management (cash funded portion)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Future Supply Actions & Stormwater Pilot	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Conservation Program (cash funded portion)	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment	11,160,626	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Debt Administration	109,930	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
PAYGO	5,319,000	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Costs		16,589,556	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Regional Recycled Water Program planning costs		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Other Operating Costs								
Operating Equipment	232,627	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Succession Planning Labor Pool	123,805	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB/IPERS Pre-Funding	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		356,431	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements		18,195,987	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		32,917,702	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service	-	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Property Taxes - MWD GO Debt Service	-	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Interest on Investments	104,867	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - SWC	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Reserve used for Revenue Bonds - I&P	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Annexation	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Revenue Offsets		104,867	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:		-	32,812,835	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Source Of Supply - Other Supply
Fiscal Year Ending 2023

	Functionalization	Allocation Percentages					Total
		Fixed			Variable Commodity	Hydroelectric	
		Demand	Commodity	Standby			
Departmental O&M							
Group	Item						
Office of General Manager		194,382	-	194,382	-	-	194,382
Office of General Manager	Board of Directors	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-
Human Resources		387,619	-	387,619	-	-	387,619
Water Systems Operations	Office of the Manager	210,355	-	210,355	-	-	210,355
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	40,681	-	40,681	-	-	40,681
Water Systems Operations	Operations Support Services	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	698,152	-	698,152	-	-	698,152
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	3,868,505	-	3,868,505	-	-	3,868,505
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	15,165	-	15,165	-	-	15,165
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-
Engineering Services		1,931,114	-	1,931,114	-	-	1,931,114
Business Technology	Administrative Services	-	-	-	-	-	-
Business Technology	Information Technology	1,217,334	-	1,217,334	-	-	1,217,334
Water Resources Management	Resource Planning & Development	4,777,546	-	4,777,546	-	-	4,777,546
Water Resources Management	Resource Implementation	749,377	-	749,377	-	-	749,377
Water Resources Management	Office of the Group Manager	631,484	-	631,484	-	-	631,484
Ethics Office		-	-	-	-	-	-
Real Property		-	-	-	-	-	-
General Counsel		-	-	-	-	-	-
General Auditor		-	-	-	-	-	-
Total Departmental O&M	-	14,721,714	-	14,721,714	-	-	14,721,714
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-
		-	-	-	-	-	-
State Water Contract		-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-
Delta Conveyance - Other		-	-	-	-	-	-
Total State Water Contract		-	-	-	-	-	-
		-	-	-	-	-	-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-
		-	-	-	-	-	-
Supply Programs (cash funded portion)		1,250,000	-	1,250,000	-	-	1,250,000
Demand Management (cash funded portion)		-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-
Future Supply Actions & Stormwater Pilot		-	-	-	-	-	-
Conservation Program (cash funded portion)		-	-	-	-	-	-
Total Demand Management Costs		-	-	-	-	-	-
Capital Financing		-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		11,160,626	-	11,160,626	-	-	11,160,626
G.O. Bond Debt Service		-	-	-	-	-	-
Debt Administration		109,930	-	109,930	-	-	109,930
Bond Defeasance		-	-	-	-	-	-
PAYGO		5,319,000	-	5,319,000	-	-	5,319,000
Total Capital Financing Costs		16,589,556	-	16,589,556	-	-	16,589,556
Regional Recycled Water Program planning costs		-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-
Operating Equipment		232,627	-	232,627	-	-	232,627
Succession Planning Labor Pool		123,805	-	123,805	-	-	123,805
OPEB\PERS Pre-Funding		-	-	-	-	-	-
Total Other Operating Costs		356,431	-	356,431	-	-	356,431
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-
Total General District Requirements		18,195,987	-	18,195,987	-	-	18,195,987
REQUIREMENTS BEFORE OFFSETS:		32,917,702	-	32,917,702	-	-	32,917,702
Revenue Offsets		-	-	-	-	-	-
Property Taxes - MWD Portion of SWC GO Debt Service		-	-	-	-	-	-
Property Taxes - MWD GO Debt Service		-	-	-	-	-	-
Interest on Investments		104,867	-	104,867	-	-	104,867
Hydro-Power Revenue		-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue		-	-	-	-	-	-
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	-	-	-	-	-
Misc. allocated to supply (PVID Lease)		-	-	-	-	-	-
Property Taxes - SWC		-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-
Annexation		-	-	-	-	-	-
Total Revenue Offsets		104,867	-	104,867	-	-	104,867
NET REVENUE REQUIREMENTS:		32,812,835	-	32,812,835	-	-	32,812,835

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Source Of Supply - Other Supply
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages				Total	
			Fixed			Variable Commodity		Hydroelectric
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		171,178	-	171,178	-	-	171,178	
Office of General Manager	Board of Directors	-	-	-	-	-	-	
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	
External Affairs	Legislative Services	-	-	-	-	-	-	
External Affairs	Media Communications Services	-	-	-	-	-	-	
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	
External Affairs	Conservation & Community Services	-	-	-	-	-	-	
Human Resources		298,216	-	298,216	-	-	298,216	
Water Systems Operations	Office of the Manager	153,480	-	153,480	-	-	153,480	
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	
Water Systems Operations	Office of the Manager, Operations Support Services	31,001	-	31,001	-	-	31,001	
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	
Water Systems Operations	Operations Planning & Programs Unit	674,862	-	674,862	-	-	674,862	
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	
Water Systems Operations	Water Quality Section	3,041,668	-	3,041,668	-	-	3,041,668	
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	
Water Systems Operations	Office of the Manager, Operations & Planning Section	13,785	-	13,785	-	-	13,785	
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	
Sustainability, Resilience & Inn		-	-	-	-	-	-	
Diversity, Equity & Inclusion		-	-	-	-	-	-	
Equal Employment Opportunity		-	-	-	-	-	-	
Office of the Chief Financial Of		-	-	-	-	-	-	
Business Technology	Office of Manager	-	-	-	-	-	-	
Engineering Services		1,531,214	-	1,531,214	-	-	1,531,214	
Business Technology	Administrative Services	-	-	-	-	-	-	
Business Technology	Information Technology	832,503	-	832,503	-	-	832,503	
Water Resources Managemen	Resource Planning & Development	3,685,982	-	3,685,982	-	-	3,685,982	
Water Resources Managemen	Resource Implementation	482,969	-	482,969	-	-	482,969	
Water Resources Managemen	Office of the Group Manager	617,746	-	617,746	-	-	617,746	
Ethics Office		-	-	-	-	-	-	
Real Property		-	-	-	-	-	-	
General Counsel		-	-	-	-	-	-	
General Auditor		-	-	-	-	-	-	
Total Departmental O&M	-	11,534,603	-	11,534,603	-	-	11,534,603	

Allocation Percentages: C&A, CRA Power
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					% Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		47,326	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bay Delta Initiatives	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		94,373	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	102,033	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	19,733	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	1,223,501	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	832,905	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	7,356	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Sustainability, Resilience & Innovation		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Diversity, Equity & Inclusion		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Equal Employment Opportunity		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		960,656	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	296,382	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		3,584,263	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Delta Conveyance - Other		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Contract		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		105,857,041	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
Supply Programs (cash funded portion)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management (cash funded portion)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Future Supply Actions & Stormwater Pilot		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Conservation Program (cash funded portion)		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		5,551,987	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Debt Administration		54,686	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
PAYGO		2,646,000	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Costs		8,252,673	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Regional Recycled Water Program planning costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs								
Operating Equipment		56,637	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Succession Planning Labor Pool		30,143	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
OPEB/PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		86,780	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	0.0%	7.3%	0.0%	92.7%	0.0%	100.0%
Total General District Requirements		114,196,493	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		117,780,756	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service		-	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Property Taxes - MWD GO Debt Service		-	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Interest on Investments		375,218	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		3,376,627	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
Wadsworth Pumping Plant (DVL) Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - SWC		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Annexation		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets		3,751,844	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	114,028,912	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: C&A, CRA Power
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
	Office of General Manager	47,326	-	47,326	-	-	-	47,326
	Office of General Manager	-	-	-	-	-	-	-
	Bay Delta Initiatives	-	-	-	-	-	-	-
	External Affairs	-	-	-	-	-	-	-
	External Affairs	-	-	-	-	-	-	-
	External Affairs	-	-	-	-	-	-	-
	External Affairs	-	-	-	-	-	-	-
	Human Resources	94,373	-	94,373	-	-	-	94,373
	Water Systems Operations	102,033	-	102,033	-	-	-	102,033
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	19,733	-	19,733	-	-	-	19,733
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	1,223,501	-	1,223,501	-	-	-	1,223,501
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-					

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: C&A, CRA Power
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		41,676	-	41,676	-	-	-	41,676
Office of General Manager	Board of Directors	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-
Human Resources		72,606	-	72,606	-	-	-	72,606
Water Systems Operations	Office of the Manager	74,446	-	74,446	-	-	-	74,446
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	15,037	-	15,037	-	-	-	15,037
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	1,051,271	-	1,051,271	-	-	-	1,051,271
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	751,448	-	751,448	-	-	-	751,448
Water Systems Operations	Office of the Manager, Operations & Planning Section	6,686	-	6,686	-	-	-	6,686
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-
Engineering Services		761,721	-	761,721	-	-	-	761,721
Business Technology	Administrative Services	-	-	-	-	-	-	-
Business Technology	Information Technology	202,688	-	202,688	-	-	-	202,688
Water Resources Management	Resource Planning & Development	-	-	-	-	-	-	-
Water Resources Management	Resource Implementation	-	-	-	-	-	-	-
Water Resources Management	Office of the Group Manager	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-
Total Departmental O&M	-	2,977,579	-	2,977,579	-	-	-	2,977,579

Allocation Percentages: C&A, CRA All Other
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					% Total
			Demand	Fixed Commodity	Standby	Variable Commodity	Hydroelectric	
Departmental O&M								
Group	Item							
Office of General Manager		718,002	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bay Delta Initiatives	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		1,431,772	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	1,804,192	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	444,129	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	348,917	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	208,780	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	33,258,711	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	1,080,968	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	365	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	408,719	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	2,477,199	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	1,876,024	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	130,070	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Sustainability, Resilience & Innovation		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Diversity, Equity & Inclusion		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Equal Employment Opportunity		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		1,524,306	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	4,496,544	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Real Property		4,169,841	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		54,378,539	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Delta Conveyance - Other	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Contract		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs								
		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs (cash funded portion)								
		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management (cash funded portion)								
Local Resources Program	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions & Stormwater Pilot	-		0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Conservation Program (cash funded portion)	-		0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing								
Revenue Bond Debt Service net of BABs Interest Subsidy Payment	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
G.O. Bond Debt Service	8,809,530		8.3%	49.0%	42.7%	0.0%	0.0%	100.0%
Debt Administration	-		8.3%	49.0%	42.7%	0.0%	0.0%	100.0%
Bond Defeasance	86,772		8.3%	49.0%	42.7%	0.0%	0.0%	100.0%
PAYGO	-		8.3%	49.0%	42.7%	0.0%	0.0%	100.0%
Total Capital Financing Costs		4,198,500	8.3%	49.0%	42.7%	0.0%	0.0%	100.0%
		13,094,802	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Regional Recycled Water Program planning costs								
		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs								
Operating Equipment	-	859,267	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Succession Planning Labor Pool	-	457,306	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
OPEB/IPERS Pre-Funding	-	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		1,316,573	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves								
		-	7.6%	53.7%	38.8%	0.0%	0.0%	100.0%
Total General District Requirements								
		14,411,375	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:								
		68,789,914	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - MWD GO Debt Service	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Interest on Investments	-	219,146	8.3%	49.0%	42.7%	0.0%	0.0%	100.0%
Hydro-Power Revenue	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease)	-		1.6%	90.3%	8.1%	0.0%	0.0%	100.0%
Property Taxes - SWC	-		8.3%	49.0%	42.7%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P	-		50.0%	50.0%	0.0%	0.0%	0.0%	100.0%
Annexation	-		8.3%	49.0%	42.7%	0.0%	0.0%	100.0%
Total Revenue Offsets		219,146	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:								
		-	68,570,768	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: C&A, CRA All Other
Fiscal Year Ending 2023

	Functionalization	Allocation Percentages					Total
		Fixed			Variable Commodity	Hydroelectric	
		Demand	Commodity	Standby			
Departmental O&M							
Group	Item						
Office of General Manager		718,002	-	718,002	-	-	718,002
Office of General Manager	Board of Directors	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-
Human Resources		1,431,772	-	1,431,772	-	-	1,431,772
Water Systems Operations	Office of the Manager	1,804,192	-	1,804,192	-	-	1,804,192
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	444,129	-	444,129	-	-	444,129
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	348,917	-	348,917	-	-	348,917
Water Systems Operations	Operations Support Services	208,780	-	208,780	-	-	208,780
Water Systems Operations	Desert Region / C&D CRA	33,258,711	-	33,258,711	-	-	33,258,711
Water Systems Operations	System Operations Unit	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	1,080,968	-	1,080,968	-	-	1,080,968
Water Systems Operations	C&D, Western Unit	365	-	365	-	-	365
Water Systems Operations	OSS, Manufacturing Services Unit	408,719	-	408,719	-	-	408,719
Water Systems Operations	Environmental Health & Safety Section	2,477,199	-	2,477,199	-	-	2,477,199
Water Systems Operations	OSS, Fleet Services Unit	1,876,024	-	1,876,024	-	-	1,876,024
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	130,070	-	130,070	-	-	130,070
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-
Engineering Services		1,524,306	-	1,524,306	-	-	1,524,306
Business Technology	Administrative Services	-	-	-	-	-	-
Business Technology	Information Technology	4,496,544	-	4,496,544	-	-	4,496,544
Water Resources Management	Resource Planning & Development	-	-	-	-	-	-
Water Resources Management	Resource Implementation	-	-	-	-	-	-
Water Resources Management	Office of the Group Manager	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-
Real Property		4,169,841	-	4,169,841	-	-	4,169,841
General Counsel		-	-	-	-	-	-
General Auditor		-	-	-	-	-	-
Total Departmental O&M	-	54,378,539	-	54,378,539	-	-	54,378,539
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-
		-	-	-	-	-	-
State Water Contract		-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-
Delta Conveyance - Other		-	-	-	-	-	-
Total State Water Contract		-	-	-	-	-	-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-
Supply Programs (cash funded portion)		-	-	-	-	-	-
Demand Management (cash funded portion)		-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-
Future Supply Actions & Stormwater Pilot		-	-	-	-	-	-
Conservation Program (cash funded portion)		-	-	-	-	-	-
Total Demand Management Costs		-	-	-	-	-	-
Capital Financing		-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		8,809,530	734,064	4,318,022	3,757,444	-	8,809,530
G.O. Bond Debt Service		-	-	-	-	-	-
Debt Administration		86,772	7,230	42,532	37,010	-	86,772
Bond Defeasance		-	-	-	-	-	-
PAYGO		4,198,500	349,845	2,057,909	1,790,746	-	4,198,500
Total Capital Financing Costs		13,094,802	1,091,139	6,418,463	5,585,200	-	13,094,802
Regional Recycled Water Program planning costs		-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-
Operating Equipment		859,267	-	859,267	-	-	859,267
Succession Planning Labor Pool		457,306	-	457,306	-	-	457,306
OPEB\PERS Pre-Funding		-	-	-	-	-	-
Total Other Operating Costs		1,316,573	-	1,316,573	-	-	1,316,573
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-
Total General District Requirements		14,411,375	1,091,139	7,735,036	5,585,200	-	14,411,375
REQUIREMENTS BEFORE OFFSETS:		68,789,914	1,091,139	62,113,575	5,585,200	-	68,789,914
Revenue Offsets		-	-	-	-	-	-
Property Taxes - MWD Portion of SWC GO Debt Service		-	-	-	-	-	-
Property Taxes - MWD GO Debt Service		-	-	-	-	-	-
Interest on Investments		219,146	18,261	107,415	93,470	-	219,146
Hydro-Power Revenue		-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue		-	-	-	-	-	-
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	-	-	-	-	-
Misc. allocated to supply (PVID Lease)		-	-	-	-	-	-
Property Taxes - SWC		-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-
Annexation		-	-	-	-	-	-
Total Revenue Offsets		219,146	18,261	107,415	93,470	-	219,146
NET REVENUE REQUIREMENTS:		68,570,768	1,072,878	62,006,160	5,491,730	-	68,570,768

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: C&A, CRA All Other
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		632,289	-	632,289	-	-	-	632,289
Office of General Manager	Board of Directors	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-
Human Resources		1,101,540	-	1,101,540	-	-	-	1,101,540
Water Systems Operations	Office of the Manager	1,316,385	-	1,316,385	-	-	-	1,316,385
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	434,125	-	434,125	-	-	-	434,125
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	265,894	-	265,894	-	-	-	265,894
Water Systems Operations	Operations Support Services	188,658	-	188,658	-	-	-	188,658
Water Systems Operations	Desert Region / C&D CRA	27,049,712	-	27,049,712	-	-	-	27,049,712
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	757,982	-	757,982	-	-	-	757,982
Water Systems Operations	C&D, Western Unit	253	-	253	-	-	-	253
Water Systems Operations	OSS, Manufacturing Services Unit	375,403	-	375,403	-	-	-	375,403
Water Systems Operations	Environmental Health & Safety Section	1,938,799	-	1,938,799	-	-	-	1,938,799
Water Systems Operations	OSS, Fleet Services Unit	1,131,362	-	1,131,362	-	-	-	1,131,362
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	118,228	-	118,228	-	-	-	118,228
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-
Engineering Services		1,208,649	-	1,208,649	-	-	-	1,208,649
Business Technology	Administrative Services	-	-	-	-	-	-	-
Business Technology	Information Technology	3,075,068	-	3,075,068	-	-	-	3,075,068
Water Resources Management	Resource Planning & Development	-	-	-	-	-	-	-
Water Resources Management	Resource Implementation	-	-	-	-	-	-	-
Water Resources Management	Office of the Group Manager	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-
Real Property		1,733,119	-	1,733,119	-	-	-	1,733,119
General Counsel		-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-
Total Departmental O&M	-	41,327,467	-	41,327,467	-	-	-	41,327,467

Allocation Percentages: C&A, State Water Project Power
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					% Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bay Delta Initiatives	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Sustainability, Resilience & Innovation		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Diversity, Equity & Inclusion		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Equal Employment Opportunity		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M		-	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
Supply - Capital		-	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
Power - O&M & Off-Aq Capital	248,537,194	-	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
Power - Capital (less Off-Aq)	(4,981,305)	-	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
Delta Conveyance - Other		-	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
Total State Water Contract	243,555,889	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs								
		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs (cash funded portion)								
		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management (cash funded portion)								
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions & Stormwater Pilot		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Conservation Program (cash funded portion)		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing								
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
G.O. Bond Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Debt Administration		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Bond Defeasance		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
PAYGO		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Capital Financing Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Regional Recycled Water Program planning costs								
		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs								
Operating Equipment		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Succession Planning Labor Pool		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
OPEB/IPERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves								
		-	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
Total General District Requirements		243,555,889	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		243,555,889	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - MWD GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Interest on Investments	775,903	-	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease)		-	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
Property Taxes - SWC	56,780,706	-	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Annexation		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Revenue Offsets	57,556,609	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:		-	185,999,280	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: C&A State Water Project Power
Fiscal Year Ending 2023

	Functionalization	Allocation Percentages					Total
		Fixed			Variable Commodity	Hydroelectric	
		Demand	Commodity	Standby			
Departmental O&M							
Group	Item						
Office of General Manager		-	-	-	-	-	-
Office of General Manager	Board of Directors	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-
Human Resources		-	-	-	-	-	-
Water Systems Operations	Office of the Manager	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	-	-	-	-	-	-
Water Systems Operations	Operations Support Services	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	-	-	-	-	-	-
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-
Engineering Services		-	-	-	-	-	-
Business Technology	Administrative Services	-	-	-	-	-	-
Business Technology	Information Technology	-	-	-	-	-	-
Water Resources Management	Resource Planning & Development	-	-	-	-	-	-
Water Resources Management	Resource Implementation	-	-	-	-	-	-
Water Resources Management	Office of the Group Manager	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-
Real Property		-	-	-	-	-	-
General Counsel		-	-	-	-	-	-
General Auditor		-	-	-	-	-	-
Total Departmental O&M	-	-	-	-	-	-	-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-
State Water Contract		-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-
Power - O&M & Off-Aq Capital	248,537,194	-	-	-	248,537,194	-	248,537,194
Power - Capital (less Off-Aq)	(4,981,305)	-	-	-	(4,981,305)	-	(4,981,305)
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-
Delta Conveyance - Other		-	-	-	-	-	-
Total State Water Contract	243,555,889	-	-	-	243,555,889	-	243,555,889
Colorado River Aqueduct Power Costs		-	-	-	-	-	-
Supply Programs (cash funded portion)		-	-	-	-	-	-
Demand Management (cash funded portion)		-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-
Future Supply Actions & Stormwater Pilot		-	-	-	-	-	-
Conservation Program (cash funded portion)		-	-	-	-	-	-
Total Demand Management Costs		-	-	-	-	-	-
Capital Financing		-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	-	-	-	-	-
G.O. Bond Debt Service		-	-	-	-	-	-
Debt Administration		-	-	-	-	-	-
Bond Defeasance		-	-	-	-	-	-
PAYGO		-	-	-	-	-	-
Total Capital Financing Costs		-	-	-	-	-	-
Regional Recycled Water Program planning costs		-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-
Operating Equipment		-	-	-	-	-	-
Succession Planning Labor Pool		-	-	-	-	-	-
OPEB\PERS Pre-Funding		-	-	-	-	-	-
Total Other Operating Costs		-	-	-	-	-	-
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-
Total General District Requirements	243,555,889	-	-	-	243,555,889	-	243,555,889
REQUIREMENTS BEFORE OFFSETS:	243,555,889	-	-	-	243,555,889	-	243,555,889
Revenue Offsets							
Property Taxes - MWD Portion of SWC GO Debt Service		-	-	-	-	-	-
Property Taxes - MWD GO Debt Service		-	-	-	-	-	-
Interest on Investments	775,903	-	-	-	775,903	-	775,903
Hydro-Power Revenue		-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue		-	-	-	-	-	-
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	-	-	-	-	-
Misc. allocated to supply (PVID Lease)		-	-	-	-	-	-
Property Taxes - SWC	56,780,706	-	-	-	56,780,706	-	56,780,706
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-
Annexation		-	-	-	-	-	-
Total Revenue Offsets	57,556,609	-	-	-	57,556,609	-	57,556,609
NET REVENUE REQUIREMENTS:	185,999,280	-	-	-	185,999,280	-	185,999,280

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: C&A State Water Project Power
Fiscal Year Ending 2023

	Functionalization	Allocation Percentages					Total
		Fixed			Variable Commodity	Hydroelectric	
		Demand	Commodity	Standby			
Departmental O&M							
Group	Item						
Office of General Manager		-	-	-	-	-	-
Office of General Manager	Board of Directors	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-
Human Resources		-	-	-	-	-	-
Water Systems Operations	Office of the Manager	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	-	-	-	-	-	-
Water Systems Operations	Operations Support Services	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	-	-	-	-	-	-
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-
Engineering Services		-	-	-	-	-	-
Business Technology	Administrative Services	-	-	-	-	-	-
Business Technology	Information Technology	-	-	-	-	-	-
Water Resources Management	Resource Planning & Development	-	-	-	-	-	-
Water Resources Management	Resource Implementation	-	-	-	-	-	-
Water Resources Management	Office of the Group Manager	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-
Real Property		-	-	-	-	-	-
General Counsel		-	-	-	-	-	-
General Auditor		-	-	-	-	-	-
Total Departmental O&M	-	-	-	-	-	-	-

Allocation Percentages: C&A, State Water Project, All Other
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					% Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		319,770	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bay Delta Initiatives	Bay Delta Initiatives	12,055,551	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		637,655	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	113,517	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	31,540	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	21,953	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	2,219,961	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	602,617	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	8,184	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Sustainability, Resilience & Innovation		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Diversity, Equity & Inclusion		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Equal Employment Opportunity		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		744,998	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	2,002,583	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	50,748	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	5,798	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Real Property		5,403,174	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		24,218,050	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby	60,506,317	8.3%	49.0%	42.7%	0.0%	0.0%	0.0%	100.0%
Transmission - O&M - Commodity only	194,057,356	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Delta Conveyance - Other	10,000,000	8.3%	49.0%	42.7%	0.0%	0.0%	0.0%	100.0%
Total State Water Contract	264,563,673	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs (cash funded portion)								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management (cash funded portion)								
Local Resources Program	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions & Stormwater Pilot	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Conservation Program (cash funded portion)	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Costs	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment	4,305,622	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Debt Administration	42,409	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
PAYGO	2,052,000	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Costs	6,400,032	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Regional Recycled Water Program planning costs								
	-	8.3%	49.0%	42.7%	0.0%	0.0%	0.0%	100.0%
Other Operating Costs								
Operating Equipment	382,684	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Succession Planning Labor Pool	203,666	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB/PERS Pre-Funding	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs	586,350	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves								
	-	2.2%	86.8%	11.1%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements								
	271,550,054	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:								
	295,768,105	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service	564,249	8.3%	49.0%	42.7%	0.0%	0.0%	0.0%	100.0%
Property Taxes - MWD GO Debt Service	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Interest on Investments	942,237	8.3%	49.0%	42.7%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease)	-	2.0%	87.8%	10.2%	0.0%	0.0%	0.0%	100.0%
Property Taxes - SWC	59,346,975	2.0%	87.9%	10.1%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Annexation	-	8.3%	49.0%	42.7%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets	60,853,461	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:								
-	234,914,644	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: C&A, State Water Project, All Other
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
	Office of General Manager	319,770	-	319,770	-	-	-	319,770
	Office of General Manager	-	-	-	-	-	-	-
	Bay Delta Initiatives	12,055,551	-	12,055,551	-	-	-	12,055,551
	External Affairs	-	-	-	-	-	-	-
	External Affairs	-	-	-	-	-	-	-
	External Affairs	-	-	-	-	-	-	-
	External Affairs	-	-	-	-	-	-	-
	Human Resources	637,655	-	637,655	-	-	-	637,655
	Water Systems Operations	113,517	-	113,517	-	-	-	113,517
	Water Systems Operations	31,540	-	31,540	-	-	-	31,540
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	21,953	-	21,953	-	-	-	21,953
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations</							

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: C&A, State Water Project, All Other
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		281,597	-	281,597	-	-	-	281,597
Office of General Manager	Board of Directors	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	5,525,660	-	5,525,660	-	-	-	5,525,660
External Affairs	Legislative Services	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-
Human Resources		490,582	-	490,582	-	-	-	490,582
Water Systems Operations	Office of the Manager	82,825	-	82,825	-	-	-	82,825
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	30,829	-	30,829	-	-	-	30,829
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	16,730	-	16,730	-	-	-	16,730
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	1,556,650	-	1,556,650	-	-	-	1,556,650
Water Systems Operations	C&D, Western Unit	418,137	-	418,137	-	-	-	418,137
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	7,439	-	7,439	-	-	-	7,439
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-
Engineering Services		590,722	-	590,722	-	-	-	590,722
Business Technology	Administrative Services	-	-	-	-	-	-	-
Business Technology	Information Technology	1,369,514	-	1,369,514	-	-	-	1,369,514
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	32,707	-	32,707	-	-	-	32,707
Water Resources Managemen	Office of the Group Manager	5,672	-	5,672	-	-	-	5,672
Ethics Office		-	-	-	-	-	-	-
Real Property		2,245,731	-	2,245,731	-	-	-	2,245,731
General Counsel		-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-
Total Departmental O&M	-	12,654,795	-	12,654,795	-	-	-	12,654,795

Allocation Percentages: C&A - Other C&A
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					% Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		110,590	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bay Delta Initiatives	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		220,529	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Sustainability, Resilience & Innovation		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Diversity, Equity & Inclusion		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Equal Employment Opportunity		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		7,351,957	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	692,580	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		8,375,656	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Delta Conveyance - Other	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Contract	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs								
	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs (cash funded portion)								
	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management (cash funded portion)								
Local Resources Program	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions & Stormwater Pilot	-		0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Conservation Program (cash funded portion)	-		0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Costs	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing								
	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment	42,489,693		8.3%	49.0%	42.7%	0.0%	0.0%	100.0%
G.O. Bond Debt Service	-		8.3%	49.0%	42.7%	0.0%	0.0%	100.0%
Debt Administration	418,515		8.3%	49.0%	42.7%	0.0%	0.0%	100.0%
Bond Defeasance	-		8.3%	49.0%	42.7%	0.0%	0.0%	100.0%
PAYGO	20,250,000		8.3%	49.0%	42.7%	0.0%	0.0%	100.0%
Total Capital Financing Costs	63,158,208		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Regional Recycled Water Program planning costs								
	-		8.3%	49.0%	42.7%	0.0%	0.0%	100.0%
Other Operating Costs								
Operating Equipment	132,349		0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Succession Planning Labor Pool	70,437		0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
OPEB/PERS Pre-Funding	-		0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs	202,785		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves								
	-		8.3%	49.2%	42.5%	0.0%	0.0%	100.0%
Total General District Requirements								
	63,360,993		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:								
	71,736,649		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - MWD GO Debt Service	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Interest on Investments	228,534		100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease)	-		8.3%	49.0%	42.7%	0.0%	0.0%	100.0%
Property Taxes - SWC	-		8.3%	49.0%	42.7%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P	-		8.3%	49.0%	42.7%	0.0%	0.0%	100.0%
Annexation	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Revenue Offsets	228,534		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:								
-	71,508,116		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: C&A - Other C&A
Fiscal Year Ending 2023

	Functionalization	Allocation Percentages					Total
		Fixed			Variable Commodity	Hydroelectric	
		Demand	Commodity	Standby			
Departmental O&M							
Group	Item						
Office of General Manager		110,590	-	110,590	-	-	110,590
Office of General Manager	Board of Directors	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-
Human Resources		220,529	-	220,529	-	-	220,529
Water Systems Operations	Office of the Manager	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	-	-	-	-	-	-
Water Systems Operations	Operations Support Services	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	-	-	-	-	-	-
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-
Engineering Services		7,351,957	-	7,351,957	-	-	7,351,957
Business Technology	Administrative Services	-	-	-	-	-	-
Business Technology	Information Technology	692,580	-	692,580	-	-	692,580
Water Resources Management	Resource Planning & Development	-	-	-	-	-	-
Water Resources Management	Resource Implementation	-	-	-	-	-	-
Water Resources Management	Office of the Group Manager	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-
Real Property		-	-	-	-	-	-
General Counsel		-	-	-	-	-	-
General Auditor		-	-	-	-	-	-
Total Departmental O&M	-	8,375,656	-	8,375,656	-	-	8,375,656
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-
		-	-	-	-	-	-
State Water Contract		-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-
Delta Conveyance - Other		-	-	-	-	-	-
Total State Water Contract		-	-	-	-	-	-
		-	-	-	-	-	-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-
		-	-	-	-	-	-
Supply Programs (cash funded portion)		-	-	-	-	-	-
		-	-	-	-	-	-
Demand Management (cash funded portion)		-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-
Future Supply Actions & Stormwater Pilot		-	-	-	-	-	-
Conservation Program (cash funded portion)		-	-	-	-	-	-
Total Demand Management Costs		-	-	-	-	-	-
		-	-	-	-	-	-
Capital Financing		-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		42,489,693	3,540,500	20,826,472	18,122,721	-	42,489,693
G.O. Bond Debt Service		-	-	-	-	-	-
Debt Administration		418,515	34,873	205,136	178,505	-	418,515
Bond Defeasance		-	-	-	-	-	-
PAYGO		20,250,000	1,687,353	9,925,609	8,637,038	-	20,250,000
Total Capital Financing Costs		63,158,208	5,262,727	30,957,217	26,938,264	-	63,158,208
		-	-	-	-	-	-
Regional Recycled Water Program planning costs		-	-	-	-	-	-
		-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-
Operating Equipment		132,349	-	132,349	-	-	132,349
Succession Planning Labor Pool		70,437	-	70,437	-	-	70,437
OPEB\PERS Pre-Funding		-	-	-	-	-	-
Total Other Operating Costs		202,785	-	202,785	-	-	202,785
		-	-	-	-	-	-
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-
		-	-	-	-	-	-
Total General District Requirements		63,360,993	5,262,727	31,160,002	26,938,264	-	63,360,993
		-	-	-	-	-	-
REQUIREMENTS BEFORE OFFSETS:		71,736,649	5,262,727	39,535,658	26,938,264	-	71,736,649
		-	-	-	-	-	-
Revenue Offsets		-	-	-	-	-	-
Property Taxes - MWD Portion of SWC GO Debt Service		-	-	-	-	-	-
Property Taxes - MWD GO Debt Service		-	-	-	-	-	-
Interest on Investments		228,534	228,534	-	-	-	228,534
Hydro-Power Revenue		-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue		-	-	-	-	-	-
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	-	-	-	-	-
Misc. allocated to supply (PVID Lease)		-	-	-	-	-	-
Property Taxes - SWC		-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-
Annexation		-	-	-	-	-	-
Total Revenue Offsets		228,534	228,534	-	-	-	228,534
		-	-	-	-	-	-
NET REVENUE REQUIREMENTS:		71,508,116	5,034,193	39,535,658	26,938,264	-	71,508,116

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: C&A - Other C&A
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		97,388	-	97,388	-	-	-	97,388
Office of General Manager	Board of Directors	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-
Human Resources		169,665	-	169,665	-	-	-	169,665
Water Systems Operations	Office of the Manager	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	-	-	-	-	-	-	-
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	-	-	-	-	-	-	-
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-
Engineering Services		5,829,495	-	5,829,495	-	-	-	5,829,495
Business Technology	Administrative Services	-	-	-	-	-	-	-
Business Technology	Information Technology	473,637	-	473,637	-	-	-	473,637
Water Resources Management	Resource Planning & Development	-	-	-	-	-	-	-
Water Resources Management	Resource Implementation	-	-	-	-	-	-	-
Water Resources Management	Office of the Group Manager	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-
Total Departmental O&M	-	6,570,186	-	6,570,186	-	-	-	6,570,186

Allocation Percentages: Storage - Other Than Power, Emergency
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					% Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		106,983	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bay Delta Initiatives	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		213,335	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	32,894	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	6,361	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	739,144	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	2,371	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Sustainability, Resilience & Innovation		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Diversity, Equity & Inclusion		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Equal Employment Opportunity		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		5,567,882	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	669,989	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Real Property		763,492	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		8,102,451	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Delta Conveyance - Other	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Contract	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs (cash funded portion)								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management (cash funded portion)								
Local Resources Program	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions & Stormwater Pilot	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Conservation Program (cash funded portion)	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Costs	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment	32,178,861	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service	-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Debt Administration	316,955	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance	-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
PAYGO	15,336,000	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Costs	47,831,816	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Regional Recycled Water Program planning costs								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs								
Operating Equipment	128,032	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Succession Planning Labor Pool	68,139	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding	-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs	196,171	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves								
	-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements								
	48,027,987	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:								
	56,130,438	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service	-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Property Taxes - MWD GO Debt Service	-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Interest on Investments	178,816	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease)	-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Property Taxes - SWC	-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P	-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Annexation	-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets	178,816	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:								
-	55,951,622	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Storage - Other Than Power, Emergency
Fiscal Year Ending 2023

	Functionalization	Allocation Percentages					Total
		Fixed			Variable Commodity	Hydroelectric	
		Demand	Commodity	Standby			
Departmental O&M							
Group	Item						
Office of General Manager		106,983	-	106,983	-	-	106,983
Office of General Manager	Board of Directors	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-
Human Resources		213,335	-	213,335	-	-	213,335
Water Systems Operations	Office of the Manager	32,894	-	32,894	-	-	32,894
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	6,361	-	6,361	-	-	6,361
Water Systems Operations	Operations Support Services	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	739,144	-	739,144	-	-	739,144
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	2,371	-	2,371	-	-	2,371
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-
Engineering Services		5,567,882	-	5,567,882	-	-	5,567,882
Business Technology	Administrative Services	-	-	-	-	-	-
Business Technology	Information Technology	669,989	-	669,989	-	-	669,989
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-
Real Property		763,492	-	763,492	-	-	763,492
General Counsel		-	-	-	-	-	-
General Auditor		-	-	-	-	-	-
Total Departmental O&M	-	8,102,451	-	8,102,451	-	-	8,102,451
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-
State Water Contract		-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-
Delta Conveyance - Other		-	-	-	-	-	-
Total State Water Contract		-	-	-	-	-	-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-
Supply Programs (cash funded portion)		-	-	-	-	-	-
Demand Management (cash funded portion)		-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-
Future Supply Actions & Stormwater Pilot		-	-	-	-	-	-
Conservation Program (cash funded portion)		-	-	-	-	-	-
Total Demand Management Costs		-	-	-	-	-	-
Capital Financing		-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		32,178,861	-	32,178,861	-	-	32,178,861
G.O. Bond Debt Service		-	-	-	-	-	-
Debt Administration		316,955	-	316,955	-	-	316,955
Bond Defeasance		-	-	-	-	-	-
PAYGO		15,336,000	-	15,336,000	-	-	15,336,000
Total Capital Financing Costs		47,831,816	-	47,831,816	-	-	47,831,816
Regional Recycled Water Program planning costs		-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-
Operating Equipment		128,032	-	128,032	-	-	128,032
Succession Planning Labor Pool		68,139	-	68,139	-	-	68,139
OPEB\PERS Pre-Funding		-	-	-	-	-	-
Total Other Operating Costs		196,171	-	196,171	-	-	196,171
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-
Total General District Requirements		48,027,987	-	48,027,987	-	-	48,027,987
REQUIREMENTS BEFORE OFFSETS:		56,130,438	-	8,102,451	48,027,987	-	56,130,438
Revenue Offsets		-	-	-	-	-	-
Property Taxes - MWD Portion of SWC GO Debt Service		-	-	-	-	-	-
Property Taxes - MWD GO Debt Service		-	-	-	-	-	-
Interest on Investments		178,816	-	178,816	-	-	178,816
Hydro-Power Revenue		-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue		-	-	-	-	-	-
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	-	-	-	-	-
Misc. allocated to supply (PVID Lease)		-	-	-	-	-	-
Property Taxes - SWC		-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-
Annexation		-	-	-	-	-	-
Total Revenue Offsets		178,816	-	178,816	-	-	178,816
NET REVENUE REQUIREMENTS:		55,951,622	-	8,102,451	47,849,171	-	55,951,622

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Storage - Other Than Power, Emergency
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		94,212	-	94,212	-	-	-	94,212
Office of General Manager	Board of Directors	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-
Human Resources		164,130	-	164,130	-	-	-	164,130
Water Systems Operations	Office of the Manager	24,000	-	24,000	-	-	-	24,000
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	4,848	-	4,848	-	-	-	4,848
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	581,162	-	581,162	-	-	-	581,162
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	2,156	-	2,156	-	-	-	2,156
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-
Engineering Services		4,414,871	-	4,414,871	-	-	-	4,414,871
Business Technology	Administrative Services	-	-	-	-	-	-	-
Business Technology	Information Technology	458,188	-	458,188	-	-	-	458,188
Water Resources Management	Resource Planning & Development	-	-	-	-	-	-	-
Water Resources Management	Resource Implementation	-	-	-	-	-	-	-
Water Resources Management	Office of the Group Manager	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-
Real Property		317,332	-	317,332	-	-	-	317,332
General Counsel		-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-
Total Departmental O&M	-	6,060,899	-	6,060,899	-	-	-	6,060,899

Allocation Percentages: Storage - Other Than Power, Drought
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					% Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		81,756	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bay Delta Initiatives	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		163,031	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	32,894	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	6,361	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	739,144	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	2,371	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Sustainability, Resilience & Innovation		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Diversity, Equity & Inclusion		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Equal Employment Opportunity		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		3,347,591	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	512,006	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Real Property		1,306,746	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		6,191,901	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Delta Conveyance - Other	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Contract		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs (cash funded portion)								
	18,211,661	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Demand Management (cash funded portion)								
Local Resources Program	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions & Stormwater Pilot	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Conservation Program (cash funded portion)	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing								
Revenue Bond Debt Service net of BABs Interest Subsidy Payment	19,346,974	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Debt Administration	190,564	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
PAYGO	9,220,500	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Costs		28,758,037	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Regional Recycled Water Program planning costs								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs								
Operating Equipment	97,842	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Succession Planning Labor Pool	52,072	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB/PERS Pre-Funding	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		149,914	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves								
	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements								
	47,119,612	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:								
	53,311,513	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - MWD GO Debt Service	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Interest on Investments	169,836	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease)	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Property Taxes - SWC	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Annexation	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets		169,836	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:								
-	53,141,677	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Storage - Other Than Power, Drought
Fiscal Year Ending 2023

	Functionalization	Allocation Percentages					Total
		Fixed			Variable Commodity	Hydroelectric	
		Demand	Commodity	Standby			
Departmental O&M							
Group	Item						
Office of General Manager		81,756	-	81,756	-	-	81,756
Office of General Manager	Board of Directors	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-
Human Resources		163,031	-	163,031	-	-	163,031
Water Systems Operations	Office of the Manager	32,894	-	32,894	-	-	32,894
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	6,361	-	6,361	-	-	6,361
Water Systems Operations	Operations Support Services	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	739,144	-	739,144	-	-	739,144
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	2,371	-	2,371	-	-	2,371
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-
Engineering Services		3,347,591	-	3,347,591	-	-	3,347,591
Business Technology	Administrative Services	-	-	-	-	-	-
Business Technology	Information Technology	512,006	-	512,006	-	-	512,006
Water Resources Management	Resource Planning & Development	-	-	-	-	-	-
Water Resources Management	Resource Implementation	-	-	-	-	-	-
Water Resources Management	Office of the Group Manager	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-
Real Property		1,306,746	-	1,306,746	-	-	1,306,746
General Counsel		-	-	-	-	-	-
General Auditor		-	-	-	-	-	-
Total Departmental O&M	-	6,191,901	-	6,191,901	-	-	6,191,901
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-
State Water Contract		-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-
Delta Conveyance - Other		-	-	-	-	-	-
Total State Water Contract		-	-	-	-	-	-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-
Supply Programs (cash funded portion)		18,211,661	-	18,211,661	-	-	18,211,661
Demand Management (cash funded portion)		-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-
Future Supply Actions & Stormwater Pilot		-	-	-	-	-	-
Conservation Program (cash funded portion)		-	-	-	-	-	-
Total Demand Management Costs		-	-	-	-	-	-
Capital Financing		-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		19,346,974	-	19,346,974	-	-	19,346,974
G.O. Bond Debt Service		-	-	-	-	-	-
Debt Administration		190,564	-	190,564	-	-	190,564
Bond Defeasance		-	-	-	-	-	-
PAYGO		9,220,500	-	9,220,500	-	-	9,220,500
Total Capital Financing Costs		28,758,037	-	28,758,037	-	-	28,758,037
Regional Recycled Water Program planning costs		-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-
Operating Equipment		97,842	-	97,842	-	-	97,842
Succession Planning Labor Pool		52,072	-	52,072	-	-	52,072
OPEB\PERS Pre-Funding		-	-	-	-	-	-
Total Other Operating Costs		149,914	-	149,914	-	-	149,914
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-
Total General District Requirements		47,119,612	-	47,119,612	-	-	47,119,612
REQUIREMENTS BEFORE OFFSETS:		53,311,513	-	53,311,513	-	-	53,311,513
Revenue Offsets		-	-	-	-	-	-
Property Taxes - MWD Portion of SWC GO Debt Service		-	-	-	-	-	-
Property Taxes - MWD GO Debt Service		-	-	-	-	-	-
Interest on Investments		169,836	-	169,836	-	-	169,836
Hydro-Power Revenue		-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue		-	-	-	-	-	-
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	-	-	-	-	-
Misc. allocated to supply (PVID Lease)		-	-	-	-	-	-
Property Taxes - SWC		-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-
Annexation		-	-	-	-	-	-
Total Revenue Offsets		169,836	-	169,836	-	-	169,836
NET REVENUE REQUIREMENTS:		53,141,677	-	53,141,677	-	-	53,141,677

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Storage - Other Than Power, Drought
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		71,997	-	71,997	-	-	-	71,997
Office of General Manager	Board of Directors	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-
Human Resources		125,429	-	125,429	-	-	-	125,429
Water Systems Operations	Office of the Manager	24,000	-	24,000	-	-	-	24,000
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	4,848	-	4,848	-	-	-	4,848
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	581,162	-	581,162	-	-	-	581,162
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	2,156	-	2,156	-	-	-	2,156
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-
Engineering Services		2,654,364	-	2,654,364	-	-	-	2,654,364
Business Technology	Administrative Services	-	-	-	-	-	-	-
Business Technology	Information Technology	350,148	-	350,148	-	-	-	350,148
Water Resources Management	Resource Planning & Development	-	-	-	-	-	-	-
Water Resources Management	Resource Implementation	-	-	-	-	-	-	-
Water Resources Management	Office of the Group Manager	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-
Real Property		543,125	-	543,125	-	-	-	543,125
General Counsel		-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-
Total Departmental O&M	-	4,357,227	-	4,357,227	-	-	-	4,357,227

Allocation Percentages: Storage - Other Than Power, Regulatory
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					% Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
	Office of General Manager	56,564	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Office of General Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	External Affairs	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	External Affairs	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	External Affairs	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	External Affairs	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Human Resources	112,794	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	32,894	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	6,361	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations							

Allocation of Revenue Requirements: Storage - Other Than Power, Regulatory
Fiscal Year Ending 2023

	Functionalization	Allocation Percentages					Total
		Fixed			Variable Commodity	Hydroelectric	
		Demand	Commodity	Standby			
Departmental O&M							
Group	Item						
Office of General Manager		56,564	-	56,564	-	-	56,564
Office of General Manager	Board of Directors	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-
Human Resources		112,794	-	112,794	-	-	112,794
Water Systems Operations	Office of the Manager	32,894	-	32,894	-	-	32,894
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	6,361	-	6,361	-	-	6,361
Water Systems Operations	Operations Support Services	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	739,144	-	739,144	-	-	739,144
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	2,371	-	2,371	-	-	2,371
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-
Engineering Services		2,671,211	-	2,671,211	-	-	2,671,211
Business Technology	Administrative Services	-	-	-	-	-	-
Business Technology	Information Technology	354,235	-	354,235	-	-	354,235
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-
Real Property		308,333	-	308,333	-	-	308,333
General Counsel		-	-	-	-	-	-
General Auditor		-	-	-	-	-	-
Total Departmental O&M	-	4,283,907	-	4,283,907	-	-	4,283,907
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-
		-	-	-	-	-	-
State Water Contract		-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-
Delta Conveyance - Other		-	-	-	-	-	-
Total State Water Contract		-	-	-	-	-	-
		-	-	-	-	-	-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-
		-	-	-	-	-	-
Supply Programs (cash funded portion)		-	-	-	-	-	-
		-	-	-	-	-	-
Demand Management (cash funded portion)		-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-
Future Supply Actions & Stormwater Pilot		-	-	-	-	-	-
Conservation Program (cash funded portion)		-	-	-	-	-	-
Total Demand Management Costs		-	-	-	-	-	-
		-	-	-	-	-	-
Capital Financing		-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		15,437,922	5,169,484	6,153,813	4,114,625	-	15,437,922
G.O. Bond Debt Service		-	-	-	-	-	-
Debt Administration		152,060	50,918	60,614	40,528	-	152,060
Bond Defeasance		-	-	-	-	-	-
PAYGO		7,357,500	2,463,704	2,932,822	1,960,973	-	7,357,500
Total Capital Financing Costs		22,947,482	7,684,107	9,147,249	6,116,127	-	22,947,482
		-	-	-	-	-	-
Regional Recycled Water Program planning costs		-	-	-	-	-	-
		-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-
Operating Equipment		67,693	-	67,693	-	-	67,693
Succession Planning Labor Pool		36,026	-	36,026	-	-	36,026
OPEB\PERS Pre-Funding		-	-	-	-	-	-
Total Other Operating Costs		103,719	-	103,719	-	-	103,719
		-	-	-	-	-	-
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-
		-	-	-	-	-	-
Total General District Requirements		23,051,201	7,684,107	9,250,968	6,116,127	-	23,051,201
		-	-	-	-	-	-
REQUIREMENTS BEFORE OFFSETS:		27,335,108	7,684,107	13,534,875	6,116,127	-	27,335,108
		-	-	-	-	-	-
Revenue Offsets		-	-	-	-	-	-
Property Taxes - MWD Portion of SWC GO Debt Service		-	-	-	-	-	-
Property Taxes - MWD GO Debt Service		-	-	-	-	-	-
Interest on Investments		87,082	-	87,082	-	-	87,082
Hydro-Power Revenue		-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue		-	-	-	-	-	-
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	-	-	-	-	-
Misc. allocated to supply (PVID Lease)		-	-	-	-	-	-
Property Taxes - SWC		-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-
Annexation		-	-	-	-	-	-
Total Revenue Offsets		87,082	-	87,082	-	-	87,082
		-	-	-	-	-	-
NET REVENUE REQUIREMENTS:		27,248,026	7,684,107	13,447,793	6,116,127	-	27,248,026

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Storage - Other Than Power, Regulatory
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		49,811	-	49,811	-	-	-	49,811
Office of General Manager	Board of Directors	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-
Human Resources		86,779	-	86,779	-	-	-	86,779
Water Systems Operations	Office of the Manager	24,000	-	24,000	-	-	-	24,000
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	4,848	-	4,848	-	-	-	4,848
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	581,162	-	581,162	-	-	-	581,162
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	2,156	-	2,156	-	-	-	2,156
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-
Engineering Services		2,118,050	-	2,118,050	-	-	-	2,118,050
Business Technology	Administrative Services	-	-	-	-	-	-	-
Business Technology	Information Technology	242,252	-	242,252	-	-	-	242,252
Water Resources Management	Resource Planning & Development	-	-	-	-	-	-	-
Water Resources Management	Resource Implementation	-	-	-	-	-	-	-
Water Resources Management	Office of the Group Manager	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-
Real Property		128,153	-	128,153	-	-	-	128,153
General Counsel		-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-
Total Departmental O&M	-	3,237,211	-	3,237,211	-	-	-	3,237,211

Allocation Percentages: Storage - Power
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					% Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bay Delta Initiatives	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Sustainability, Resilience & Innovation		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Diversity, Equity & Inclusion		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Equal Employment Opportunity		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Supply - Capital		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Power - O&M & Off-Aq Capital		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Power - Capital (less Off-Aq)		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Delta Conveyance - Other		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Contract		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Supply Programs (cash funded portion)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management (cash funded portion)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Future Supply Actions & Stormwater Pilot		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Conservation Program (cash funded portion)		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
G.O. Bond Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Debt Administration		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Bond Defeasance		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
PAYGO		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Capital Financing Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Regional Recycled Water Program planning costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs								
Operating Equipment		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Succession Planning Labor Pool		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
OPEB/PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total General District Requirements		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - MWD GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Interest on Investments		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue	679,733	-	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease)		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Property Taxes - SWC		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Reserve used for Revenue Bonds - I&P		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Annexation		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Revenue Offsets	679,733	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	(679,733)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Storage - Power
Fiscal Year Ending 2023

	Functionalization	Allocation Percentages					Total
		Fixed			Variable Commodity	Hydroelectric	
		Demand	Commodity	Standby			
Departmental O&M							
Group	Item						
Office of General Manager		-	-	-	-	-	-
Office of General Manager	Board of Directors	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-
Human Resources		-	-	-	-	-	-
Water Systems Operations	Office of the Manager	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	-	-	-	-	-	-
Water Systems Operations	Operations Support Services	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	-	-	-	-	-	-
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-
Engineering Services		-	-	-	-	-	-
Business Technology	Administrative Services	-	-	-	-	-	-
Business Technology	Information Technology	-	-	-	-	-	-
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-
Real Property		-	-	-	-	-	-
General Counsel		-	-	-	-	-	-
General Auditor		-	-	-	-	-	-
Total Departmental O&M	-	-	-	-	-	-	-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-
State Water Contract		-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-
Delta Conveyance - Other		-	-	-	-	-	-
Total State Water Contract		-	-	-	-	-	-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-
Supply Programs (cash funded portion)		-	-	-	-	-	-
Demand Management (cash funded portion)		-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-
Future Supply Actions & Stormwater Pilot		-	-	-	-	-	-
Conservation Program (cash funded portion)		-	-	-	-	-	-
Total Demand Management Costs		-	-	-	-	-	-
Capital Financing		-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	-	-	-	-	-
G.O. Bond Debt Service		-	-	-	-	-	-
Debt Administration		-	-	-	-	-	-
Bond Defeasance		-	-	-	-	-	-
PAYGO		-	-	-	-	-	-
Total Capital Financing Costs		-	-	-	-	-	-
Regional Recycled Water Program planning costs		-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-
Operating Equipment		-	-	-	-	-	-
Succession Planning Labor Pool		-	-	-	-	-	-
OPEB\PERS Pre-Funding		-	-	-	-	-	-
Total Other Operating Costs		-	-	-	-	-	-
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-
Total General District Requirements		-	-	-	-	-	-
REQUIREMENTS BEFORE OFFSETS:		-	-	-	-	-	-
Revenue Offsets		-	-	-	-	-	-
Property Taxes - MWD Portion of SWC GO Debt Service		-	-	-	-	-	-
Property Taxes - MWD GO Debt Service		-	-	-	-	-	-
Interest on Investments		-	-	-	-	-	-
Hydro-Power Revenue		-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue	679,733	-	-	-	679,733	-	679,733
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease)	-	-	-	-	-	-	-
Property Taxes - SWC	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P	-	-	-	-	-	-	-
Annexation	-	-	-	-	-	-	-
Total Revenue Offsets	679,733	-	-	-	679,733	-	679,733
NET REVENUE REQUIREMENTS:	(679,733)	-	-	-	(679,733)	-	(679,733)

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Storage - Power
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		-	-	-	-	-	-	-
Office of General Manager	Board of Directors	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-
Human Resources		-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	-	-	-	-	-	-	-
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	-	-	-	-	-	-	-
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-
Engineering Services		-	-	-	-	-	-	-
Business Technology	Administrative Services	-	-	-	-	-	-	-
Business Technology	Information Technology	-	-	-	-	-	-	-
Water Resources Management	Resource Planning & Development	-	-	-	-	-	-	-
Water Resources Management	Resource Implementation	-	-	-	-	-	-	-
Water Resources Management	Office of the Group Manager	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-
Total Departmental O&M	-	-	-	-	-	-	-	-

Allocation Percentages: Treatment - Jensen
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					% Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		394,696	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bay Delta Initiatives	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		787,065	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	823,483	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	214,824	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	159,256	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	98,696	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	17,019,026	0.0%	64.7%	0.0%	35.3%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	56.9%	0.0%	43.1%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	78.9%	0.0%	21.1%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	65.8%	0.0%	34.2%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	64.7%	0.0%	35.3%	0.0%	100.0%
Water Systems Operations	Water Quality Section	2,994,972	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	144,108	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	1,298,305	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	562,417	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	281,623	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	59,367	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Sustainability, Resilience & Innovation		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Diversity, Equity & Inclusion		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Equal Employment Opportunity		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		2,582,987	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	2,471,813	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		29,892,637	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Delta Conveyance - Other	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Contract	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs (cash funded portion)								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management (cash funded portion)								
Local Resources Program	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Future Supply Actions & Stormwater Pilot	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Conservation Program (cash funded portion)	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Costs	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment	14,928,046	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service	103,753	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
Debt Administration	147,038	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance	-	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
PAYGO	7,114,500	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Costs	22,293,337	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Regional Recycled Water Program planning costs								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs								
Operating Equipment	472,351	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Succession Planning Labor Pool	251,387	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\IPERS Pre-Funding	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs	723,739	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves								
	-	30.5%	31.3%	38.2%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements								
	23,017,076	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:								
	52,909,713	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - MWD GO Debt Service	103,753	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Interest on Investments	168,556	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - SWC	-	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P	-	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
Annexation	-	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets	272,309	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:								
-	52,637,404	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Treatment - Jensen
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		394,696	-	394,696	-	-	-	394,696
Office of General Manager	Board of Directors	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-
Human Resources		787,065	-	787,065	-	-	-	787,065
Water Systems Operations	Office of the Manager	823,483	-	823,483	-	-	-	823,483
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	214,824	-	214,824	-	-	-	214,824
Water Systems Operations	Office of the Manager, Operations Support Services	159,256	-	159,256	-	-	-	159,256
Water Systems Operations	Operations Support Services	98,696	-	98,696	-	-	-	98,696
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	17,019,026	-	11,017,476	-	6,001,550	-	17,019,026
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	2,994,972	-	2,994,972	-	-	-	2,994,972
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	144,108	-	144,108	-	-	-	144,108
Water Systems Operations	Environmental Health & Safety Section	1,298,305	-	1,298,305	-	-	-	1,298,305
Water Systems Operations	OSS, Fleet Services Unit	562,417	-	562,417	-	-	-	562,417
Water Systems Operations	OSS, Power Support Unit	281,623	-	281,623	-	-	-	281,623
Water Systems Operations	Office of the Manager, Operations & Planning Secti	59,367	-	59,367	-	-	-	59,367
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-
Engineering Services		2,582,987	-	2,582,987	-	-	-	2,582,987
Business Technology	Administrative Services	-	-	-	-	-	-	-
Business Technology	Information Technology	2,471,813	-	2,471,813	-	-	-	2,471,813
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-
Total Departmental O&M	-	29,892,637	-	23,891,087	-	6,001,550	-	29,892,637
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
State Water Contract		-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-
Delta Conveyance - Other		-	-	-	-	-	-	-
Total State Water Contract		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
Supply Programs (cash funded portion)		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
Demand Management (cash funded portion)		-	-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-	-
Future Supply Actions & Stormwater Pilot		-	-	-	-	-	-	-
Conservation Program (cash funded portion)		-	-	-	-	-	-	-
Total Demand Management Costs		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
Capital Financing		-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		14,928,046	4,694,800	4,347,037	5,886,208	-	-	14,928,046
G.O. Bond Debt Service		103,753	32,630	30,213	40,910	-	-	103,753
Debt Administration		147,038	46,243	42,817	57,978	-	-	147,038
Bond Defeasance		-	-	-	-	-	-	-
PAYGO		7,114,500	2,237,477	2,071,738	2,805,285	-	-	7,114,500
Total Capital Financing Costs		22,293,337	7,011,150	6,491,806	8,790,381	-	-	22,293,337
		-	-	-	-	-	-	-
Regional Recycled Water Program planning costs		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-	-
Operating Equipment		472,351	-	472,351	-	-	-	472,351
Succession Planning Labor Pool		251,387	-	251,387	-	-	-	251,387
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-
Total Other Operating Costs		723,739	-	723,739	-	-	-	723,739
		-	-	-	-	-	-	-
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
Total General District Requirements		23,017,076	7,011,150	7,215,544	8,790,381	-	-	23,017,076
REQUIREMENTS BEFORE OFFSETS:		52,909,713	7,011,150	31,106,631	8,790,381	6,001,550	-	52,909,713
Revenue Offsets		-	-	-	-	-	-	-
Property Taxes - MWD Portion of SWC GO Debt Service		-	-	-	-	-	-	-
Property Taxes - MWD GO Debt Service		103,753	-	-	103,753	-	-	103,753
Interest on Investments		168,556	53,010	49,083	66,463	-	-	168,556
Hydro-Power Revenue		-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue		-	-	-	-	-	-	-
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease)		-	-	-	-	-	-	-
Property Taxes - SWC		-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-
Total Revenue Offsets		272,309	53,010	49,083	170,216	-	-	272,309
NET REVENUE REQUIREMENTS:		52,637,404	6,958,140	31,057,548	8,620,165	6,001,550	-	52,637,404

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Treatment - Jensen
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		347,578	-	347,578	-	-	-	347,578
Office of General Manager	Board of Directors	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-
Human Resources		605,532	-	605,532	-	-	-	605,532
Water Systems Operations	Office of the Manager	600,834	-	600,834	-	-	-	600,834
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	77,372	-	77,372	-	-	-	77,372
Water Systems Operations	Office of the Manager, Operations Support Services	121,362	-	121,362	-	-	-	121,362
Water Systems Operations	Operations Support Services	89,184	-	89,184	-	-	-	89,184
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	10,286,084	-	10,286,084	-	-	-	10,286,084
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	2,354,840	-	2,354,840	-	-	-	2,354,840
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	132,361	-	132,361	-	-	-	132,361
Water Systems Operations	Environmental Health & Safety Section	1,016,128	-	1,016,128	-	-	-	1,016,128
Water Systems Operations	OSS, Fleet Services Unit	339,173	-	339,173	-	-	-	339,173
Water Systems Operations	OSS, Power Support Unit	254,081	-	254,081	-	-	-	254,081
Water Systems Operations	Office of the Manager, Operations & Planning Section	53,963	-	53,963	-	-	-	53,963
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-
Engineering Services		2,048,096	-	2,048,096	-	-	-	2,048,096
Business Technology	Administrative Services	-	-	-	-	-	-	-
Business Technology	Information Technology	1,690,408	-	1,690,408	-	-	-	1,690,408
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-
Total Departmental O&M	-	20,016,994	-	20,016,994	-	-	-	20,016,994

Allocation Percentages: Treatment - Weymouth
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					% Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		394,598	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bay Delta Initiatives	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		786,870	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	847,777	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	223,722	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	163,954	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	98,696	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	64.7%	0.0%	35.3%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	56.9%	0.0%	43.1%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	78.9%	0.0%	21.1%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	65.8%	0.0%	34.2%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	16,840,563	0.0%	64.7%	0.0%	35.3%	0.0%	100.0%
Water Systems Operations	Water Quality Section	2,994,972	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	144,108	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	1,298,305	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	562,417	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	281,623	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	61,119	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Sustainability, Resilience & Innovation		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Diversity, Equity & Inclusion		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Equal Employment Opportunity		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		2,715,323	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	2,471,202	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		29,885,247	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Delta Conveyance - Other	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Contract	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs (cash funded portion)								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management (cash funded portion)								
Local Resources Program	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions & Stormwater Pilot	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Conservation Program (cash funded portion)	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Costs	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment	15,692,860	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service	109,069	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
Debt Administration	154,571	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance	-	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
PAYGO	7,479,000	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Costs	23,435,500	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Regional Recycled Water Program planning costs								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs								
Operating Equipment	472,234	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Succession Planning Labor Pool	251,325	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\IPERS Pre-Funding	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs	723,560	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves								
	-	30.5%	31.2%	38.2%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements								
	24,159,060	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:								
	54,044,307	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - MWD GO Debt Service	109,069	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Interest on Investments	172,171	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - SWC	-	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P	-	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
Annexation	-	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets	281,239	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:								
-	53,763,068	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Treatment - Weymouth
Fiscal Year Ending 2023

	Functionalization	Allocation Percentages					Total
		Fixed			Variable Commodity	Hydroelectric	
		Demand	Commodity	Standby			
Departmental O&M							
Group	Item						
Office of General Manager		394,598	-	394,598	-	-	394,598
Office of General Manager	Board of Directors	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-
Human Resources		786,870	-	786,870	-	-	786,870
Water Systems Operations	Office of the Manager	847,777	-	847,777	-	-	847,777
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	223,722	-	223,722	-	-	223,722
Water Systems Operations	Office of the Manager, Operations Support Services	163,954	-	163,954	-	-	163,954
Water Systems Operations	Operations Support Services	98,696	-	98,696	-	-	98,696
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	16,840,563	-	10,893,155	5,947,408	-	16,840,563
Water Systems Operations	Water Quality Section	2,994,972	-	2,994,972	-	-	2,994,972
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	144,108	-	144,108	-	-	144,108
Water Systems Operations	Environmental Health & Safety Section	1,298,305	-	1,298,305	-	-	1,298,305
Water Systems Operations	OSS, Fleet Services Unit	562,417	-	562,417	-	-	562,417
Water Systems Operations	OSS, Power Support Unit	281,623	-	281,623	-	-	281,623
Water Systems Operations	Office of the Manager, Operations & Planning Secti	61,119	-	61,119	-	-	61,119
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-
Engineering Services		2,715,323	-	2,715,323	-	-	2,715,323
Business Technology	Administrative Services	-	-	-	-	-	-
Business Technology	Information Technology	2,471,202	-	2,471,202	-	-	2,471,202
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-
Real Property		-	-	-	-	-	-
General Counsel		-	-	-	-	-	-
General Auditor		-	-	-	-	-	-
Total Departmental O&M	-	29,885,247	-	23,937,839	5,947,408	-	29,885,247
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-
		-	-	-	-	-	-
State Water Contract		-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-
Delta Conveyance - Other		-	-	-	-	-	-
Total State Water Contract		-	-	-	-	-	-
		-	-	-	-	-	-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-
		-	-	-	-	-	-
Supply Programs (cash funded portion)		-	-	-	-	-	-
		-	-	-	-	-	-
Demand Management (cash funded portion)		-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-
Future Supply Actions & Stormwater Pilot		-	-	-	-	-	-
Conservation Program (cash funded portion)		-	-	-	-	-	-
Total Demand Management Costs		-	-	-	-	-	-
		-	-	-	-	-	-
Capital Financing		-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		15,692,860	4,935,331	4,569,751	6,187,778	-	15,692,860
G.O. Bond Debt Service		109,069	34,302	31,761	43,006	-	109,069
Debt Administration		154,571	48,612	45,011	60,948	-	154,571
Bond Defeasance		-	-	-	-	-	-
PAYGO		7,479,000	2,352,110	2,177,880	2,949,009	-	7,479,000
Total Capital Financing Costs		23,435,500	7,370,355	6,824,403	9,240,742	-	23,435,500
		-	-	-	-	-	-
Regional Recycled Water Program planning costs		-	-	-	-	-	-
		-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-
Operating Equipment		472,234	-	472,234	-	-	472,234
Succession Planning Labor Pool		251,325	-	251,325	-	-	251,325
OPEB\PERS Pre-Funding		-	-	-	-	-	-
Total Other Operating Costs		723,560	-	723,560	-	-	723,560
		-	-	-	-	-	-
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-
		-	-	-	-	-	-
Total General District Requirements		24,159,060	7,370,355	7,547,963	9,240,742	-	24,159,060
		-	-	-	-	-	-
REQUIREMENTS BEFORE OFFSETS:		54,044,307	7,370,355	31,485,802	9,240,742	5,947,408	54,044,307
		-	-	-	-	-	-
Revenue Offsets		-	-	-	-	-	-
Property Taxes - MWD Portion of SWC GO Debt Service		-	-	-	-	-	-
Property Taxes - MWD GO Debt Service		109,069	-	-	109,069	-	109,069
Interest on Investments		172,171	54,147	50,136	67,888	-	172,171
Hydro-Power Revenue		-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue		-	-	-	-	-	-
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	-	-	-	-	-
Misc. allocated to supply (PVID Lease)		-	-	-	-	-	-
Property Taxes - SWC		-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-
Annexation		-	-	-	-	-	-
Total Revenue Offsets		281,239	54,147	50,136	176,956	-	281,239
		-	-	-	-	-	-
NET REVENUE REQUIREMENTS:		53,763,068	7,316,208	31,435,666	9,063,786	5,947,408	53,763,068

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Treatment - Weymouth
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		347,492	-	347,492	-	-	-	347,492
Office of General Manager	Board of Directors	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-
Human Resources		605,382	-	605,382	-	-	-	605,382
Water Systems Operations	Office of the Manager	618,560	-	618,560	-	-	-	618,560
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	80,576	-	80,576	-	-	-	80,576
Water Systems Operations	Office of the Manager, Operations Support Services	124,942	-	124,942	-	-	-	124,942
Water Systems Operations	Operations Support Services	89,184	-	89,184	-	-	-	89,184
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	10,712,101	-	10,712,101	-	-	-	10,712,101
Water Systems Operations	Water Quality Section	2,354,840	-	2,354,840	-	-	-	2,354,840
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	132,361	-	132,361	-	-	-	132,361
Water Systems Operations	Environmental Health & Safety Section	1,016,128	-	1,016,128	-	-	-	1,016,128
Water Systems Operations	OSS, Fleet Services Unit	339,173	-	339,173	-	-	-	339,173
Water Systems Operations	OSS, Power Support Unit	254,081	-	254,081	-	-	-	254,081
Water Systems Operations	Office of the Manager, Operations & Planning Section	55,555	-	55,555	-	-	-	55,555
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-
Engineering Services		2,153,027	-	2,153,027	-	-	-	2,153,027
Business Technology	Administrative Services	-	-	-	-	-	-	-
Business Technology	Information Technology	1,689,990	-	1,689,990	-	-	-	1,689,990
Water Resources Management	Resource Planning & Development	-	-	-	-	-	-	-
Water Resources Management	Resource Implementation	-	-	-	-	-	-	-
Water Resources Management	Office of the Group Manager	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-
Total Departmental O&M	-	20,573,392	-	20,573,392	-	-	-	20,573,392

Allocation Percentages: Treatment - Diemer
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					% Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		417,695	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bay Delta Initiatives	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		832,927	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	799,685	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	206,108	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	154,653	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	98,696	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	64.7%	0.0%	35.3%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	17,895,729	0.0%	56.9%	0.0%	43.1%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	78.9%	0.0%	21.1%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	65.8%	0.0%	34.2%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	64.7%	0.0%	35.3%	0.0%	100.0%
Water Systems Operations	Water Quality Section	2,994,972	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	144,108	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	1,298,305	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	562,417	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	281,623	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	57,652	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Sustainability, Resilience & Innovation		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Diversity, Equity & Inclusion		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Equal Employment Opportunity		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		3,274,071	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	2,615,846	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		31,634,486	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Delta Conveyance - Other	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Contract	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs (cash funded portion)								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management (cash funded portion)								
Local Resources Program	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions & Stormwater Pilot	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Conservation Program (cash funded portion)	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Costs	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment	18,922,077	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service	131,513	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
Debt Administration	186,379	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance	-	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
PAYGO	9,018,000	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Costs	28,257,968	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Regional Recycled Water Program planning costs								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs								
Operating Equipment	499,875	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Succession Planning Labor Pool	266,036	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs	765,911	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves								
	-	30.6%	31.0%	38.4%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements								
	29,023,879	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:								
	60,658,365	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - MWD GO Debt Service	131,513	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Interest on Investments	193,241	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - SWC	-	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P	-	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
Annexation	-	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets	324,754	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:								
-	60,333,611	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Treatment - Diemer
Fiscal Year Ending 2023

	Functionalization	Allocation Percentages					Total
		Fixed			Variable Commodity	Hydroelectric	
		Demand	Commodity	Standby			
Departmental O&M							
Group	Item						
Office of General Manager		417,695	-	417,695	-	-	417,695
Office of General Manager	Board of Directors	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-
Human Resources		832,927	-	832,927	-	-	832,927
Water Systems Operations	Office of the Manager	799,685	-	799,685	-	-	799,685
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	206,108	-	206,108	-	-	206,108
Water Systems Operations	Office of the Manager, Operations Support Services	154,653	-	154,653	-	-	154,653
Water Systems Operations	Operations Support Services	98,696	-	98,696	-	-	98,696
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	17,895,729	-	10,183,236	7,712,493	-	17,895,729
Water Systems Operations	Treatment Mills	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	2,994,972	-	2,994,972	-	-	2,994,972
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	144,108	-	144,108	-	-	144,108
Water Systems Operations	Environmental Health & Safety Section	1,298,305	-	1,298,305	-	-	1,298,305
Water Systems Operations	OSS, Fleet Services Unit	562,417	-	562,417	-	-	562,417
Water Systems Operations	OSS, Power Support Unit	281,623	-	281,623	-	-	281,623
Water Systems Operations	Office of the Manager, Operations & Planning Secti	57,652	-	57,652	-	-	57,652
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-
Engineering Services		3,274,071	-	3,274,071	-	-	3,274,071
Business Technology	Administrative Services	-	-	-	-	-	-
Business Technology	Information Technology	2,615,846	-	2,615,846	-	-	2,615,846
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-
Real Property		-	-	-	-	-	-
General Counsel		-	-	-	-	-	-
General Auditor		-	-	-	-	-	-
Total Departmental O&M	-	31,634,486	-	23,921,993	7,712,493	-	31,634,486
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-
		-	-	-	-	-	-
State Water Contract		-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-
Delta Conveyance - Other		-	-	-	-	-	-
Total State Water Contract		-	-	-	-	-	-
		-	-	-	-	-	-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-
		-	-	-	-	-	-
Supply Programs (cash funded portion)		-	-	-	-	-	-
		-	-	-	-	-	-
Demand Management (cash funded portion)		-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-
Future Supply Actions & Stormwater Pilot		-	-	-	-	-	-
Conservation Program (cash funded portion)		-	-	-	-	-	-
Total Demand Management Costs		-	-	-	-	-	-
		-	-	-	-	-	-
Capital Financing		-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		18,922,077	5,950,905	5,510,097	7,461,075	-	18,922,077
G.O. Bond Debt Service		131,513	41,360	38,296	51,856	-	131,513
Debt Administration		186,379	58,615	54,273	73,490	-	186,379
Bond Defeasance		-	-	-	-	-	-
PAYGO		9,018,000	2,836,119	2,626,036	3,555,845	-	9,018,000
Total Capital Financing Costs		28,257,968	8,886,999	8,228,702	11,142,267	-	28,257,968
		-	-	-	-	-	-
Regional Recycled Water Program planning costs		-	-	-	-	-	-
		-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-
Operating Equipment		499,875	-	499,875	-	-	499,875
Succession Planning Labor Pool		266,036	-	266,036	-	-	266,036
OPEB\PERS Pre-Funding		-	-	-	-	-	-
Total Other Operating Costs		765,911	-	765,911	-	-	765,911
		-	-	-	-	-	-
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-
		-	-	-	-	-	-
Total General District Requirements		29,023,879	8,886,999	8,994,613	11,142,267	-	29,023,879
		-	-	-	-	-	-
REQUIREMENTS BEFORE OFFSETS:		60,658,365	8,886,999	32,916,606	11,142,267	7,712,493	60,658,365
		-	-	-	-	-	-
Revenue Offsets		-	-	-	-	-	-
Property Taxes - MWD Portion of SWC GO Debt Service		-	-	-	-	-	-
Property Taxes - MWD GO Debt Service		131,513	-	-	131,513	-	131,513
Interest on Investments		193,241	60,773	56,272	76,196	-	193,241
Hydro-Power Revenue		-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue		-	-	-	-	-	-
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	-	-	-	-	-
Misc. allocated to supply (PVID Lease)		-	-	-	-	-	-
Property Taxes - SWC		-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-
Annexation		-	-	-	-	-	-
Total Revenue Offsets		324,754	60,773	56,272	207,708	-	324,754
		-	-	-	-	-	-
NET REVENUE REQUIREMENTS:		60,333,611	8,826,225	32,860,335	10,934,558	7,712,493	60,333,611

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Treatment - Diemer
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		367,832	-	367,832	-	-	-	367,832
Office of General Manager	Board of Directors	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-
Human Resources		640,816	-	640,816	-	-	-	640,816
Water Systems Operations	Office of the Manager	583,471	-	583,471	-	-	-	583,471
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	74,232	-	74,232	-	-	-	74,232
Water Systems Operations	Office of the Manager, Operations Support Services	117,854	-	117,854	-	-	-	117,854
Water Systems Operations	Operations Support Services	89,184	-	89,184	-	-	-	89,184
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	9,868,755	-	9,868,755	-	-	-	9,868,755
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	2,354,840	-	2,354,840	-	-	-	2,354,840
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	132,361	-	132,361	-	-	-	132,361
Water Systems Operations	Environmental Health & Safety Section	1,016,128	-	1,016,128	-	-	-	1,016,128
Water Systems Operations	OSS, Fleet Services Unit	339,173	-	339,173	-	-	-	339,173
Water Systems Operations	OSS, Power Support Unit	254,081	-	254,081	-	-	-	254,081
Water Systems Operations	Office of the Manager, Operations & Planning Section	52,403	-	52,403	-	-	-	52,403
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-
Engineering Services		2,596,069	-	2,596,069	-	-	-	2,596,069
Business Technology	Administrative Services	-	-	-	-	-	-	-
Business Technology	Information Technology	1,788,908	-	1,788,908	-	-	-	1,788,908
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-
Total Departmental O&M	-	20,276,107	-	20,276,107	-	-	-	20,276,107

Allocation Percentages: Treatment - Mills
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					% Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		298,167	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bay Delta Initiatives	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		594,576	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	770,822	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	195,538	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	149,071	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	98,696	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	64.7%	0.0%	35.3%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	56.9%	0.0%	43.1%	0.0%	100.0%
Water Systems Operations	Treatment Mills	12,398,340	0.0%	78.9%	0.0%	21.1%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	65.8%	0.0%	34.2%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	64.7%	0.0%	35.3%	0.0%	100.0%
Water Systems Operations	Water Quality Section	2,994,972	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	144,108	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	1,298,305	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	562,417	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	281,623	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	55,571	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Sustainability, Resilience & Innovation		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Diversity, Equity & Inclusion		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Equal Employment Opportunity		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		872,432	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	1,867,293	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		22,581,931	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Delta Conveyance - Other	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Contract	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs (cash funded portion)								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management (cash funded portion)								
Local Resources Program	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions & Stormwater Pilot	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Conservation Program (cash funded portion)	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Costs	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment	5,042,110	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service	35,044	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
Debt Administration	49,664	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance	-	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
PAYGO	2,403,000	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Costs	7,529,818	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Regional Recycled Water Program planning costs								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs								
Operating Equipment	356,830	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Succession Planning Labor Pool	189,907	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\IPERS Pre-Funding	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs	546,737	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves								
	-	29.3%	33.9%	36.8%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements								
	8,076,555	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:								
	30,658,486	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - MWD GO Debt Service	35,044	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Interest on Investments	97,670	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - SWC	-	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P	-	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
Annexation	-	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets	132,713	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:								
-	30,525,772	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Treatment - Mills
Fiscal Year Ending 2023

	Functionalization	Allocation Percentages					Total
		Fixed			Variable Commodity	Hydroelectric	
		Demand	Commodity	Standby			
Departmental O&M							
Group	Item						
Office of General Manager		298,167	-	298,167	-	-	298,167
Office of General Manager	Board of Directors	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-
Human Resources		594,576	-	594,576	-	-	594,576
Water Systems Operations	Office of the Manager	770,822	-	770,822	-	-	770,822
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	195,538	-	195,538	-	-	195,538
Water Systems Operations	Office of the Manager, Operations Support Services	149,071	-	149,071	-	-	149,071
Water Systems Operations	Operations Support Services	98,696	-	98,696	-	-	98,696
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	12,398,340	-	9,786,297	2,612,043	-	12,398,340
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	2,994,972	-	2,994,972	-	-	2,994,972
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	144,108	-	144,108	-	-	144,108
Water Systems Operations	Environmental Health & Safety Section	1,298,305	-	1,298,305	-	-	1,298,305
Water Systems Operations	OSS, Fleet Services Unit	562,417	-	562,417	-	-	562,417
Water Systems Operations	OSS, Power Support Unit	281,623	-	281,623	-	-	281,623
Water Systems Operations	Office of the Manager, Operations & Planning Secti	55,571	-	55,571	-	-	55,571
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-
Engineering Services		872,432	-	872,432	-	-	872,432
Business Technology	Administrative Services	-	-	-	-	-	-
Business Technology	Information Technology	1,867,293	-	1,867,293	-	-	1,867,293
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-
Real Property		-	-	-	-	-	-
General Counsel		-	-	-	-	-	-
General Auditor		-	-	-	-	-	-
Total Departmental O&M	-	22,581,931	-	19,969,888	2,612,043	-	22,581,931
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-
		-	-	-	-	-	-
State Water Contract		-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-
Delta Conveyance - Other		-	-	-	-	-	-
Total State Water Contract		-	-	-	-	-	-
		-	-	-	-	-	-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-
		-	-	-	-	-	-
Supply Programs (cash funded portion)		-	-	-	-	-	-
		-	-	-	-	-	-
Demand Management (cash funded portion)		-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-
Future Supply Actions & Stormwater Pilot		-	-	-	-	-	-
Conservation Program (cash funded portion)		-	-	-	-	-	-
Total Demand Management Costs		-	-	-	-	-	-
		-	-	-	-	-	-
Capital Financing		-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		5,042,110	1,585,720	1,468,259	1,988,131	-	5,042,110
G.O. Bond Debt Service		35,044	11,021	10,205	13,818	-	35,044
Debt Administration		49,664	15,619	14,462	19,583	-	49,664
Bond Defeasance		-	-	-	-	-	-
PAYGO		2,403,000	755,732	699,752	947,516	-	2,403,000
Total Capital Financing Costs		7,529,818	2,368,092	2,192,678	2,969,047	-	7,529,818
		-	-	-	-	-	-
Regional Recycled Water Program planning costs		-	-	-	-	-	-
		-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-
Operating Equipment		356,830	-	356,830	-	-	356,830
Succession Planning Labor Pool		189,907	-	189,907	-	-	189,907
OPEB\PERS Pre-Funding		-	-	-	-	-	-
Total Other Operating Costs		546,737	-	546,737	-	-	546,737
		-	-	-	-	-	-
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-
		-	-	-	-	-	-
Total General District Requirements		8,076,555	2,368,092	2,739,415	2,969,047	-	8,076,555
		-	-	-	-	-	-
REQUIREMENTS BEFORE OFFSETS:		30,658,486	2,368,092	22,709,303	2,969,047	2,612,043	30,658,486
		-	-	-	-	-	-
Revenue Offsets		-	-	-	-	-	-
Property Taxes - MWD Portion of SWC GO Debt Service		-	-	-	-	-	-
Property Taxes - MWD GO Debt Service		35,044	-	-	35,044	-	35,044
Interest on Investments		97,670	30,717	28,441	38,512	-	97,670
Hydro-Power Revenue		-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue		-	-	-	-	-	-
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	-	-	-	-	-
Misc. allocated to supply (PVID Lease)		-	-	-	-	-	-
Property Taxes - SWC		-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-
Annexation		-	-	-	-	-	-
Total Revenue Offsets		132,713	30,717	28,441	73,555	-	132,713
NET REVENUE REQUIREMENTS:		30,525,772	2,337,376	22,680,862	2,895,492	2,612,043	30,525,772

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Treatment - Mills
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		262,573	-	262,573	-	-	-	262,573
Office of General Manager	Board of Directors	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-
Human Resources		457,440	-	457,440	-	-	-	457,440
Water Systems Operations	Office of the Manager	562,412	-	562,412	-	-	-	562,412
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	70,425	-	70,425	-	-	-	70,425
Water Systems Operations	Office of the Manager, Operations Support Services	113,601	-	113,601	-	-	-	113,601
Water Systems Operations	Operations Support Services	89,184	-	89,184	-	-	-	89,184
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	9,362,630	-	9,362,630	-	-	-	9,362,630
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	2,354,840	-	2,354,840	-	-	-	2,354,840
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	132,361	-	132,361	-	-	-	132,361
Water Systems Operations	Environmental Health & Safety Section	1,016,128	-	1,016,128	-	-	-	1,016,128
Water Systems Operations	OSS, Fleet Services Unit	339,173	-	339,173	-	-	-	339,173
Water Systems Operations	OSS, Power Support Unit	254,081	-	254,081	-	-	-	254,081
Water Systems Operations	Office of the Manager, Operations & Planning Section	50,512	-	50,512	-	-	-	50,512
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-
Engineering Services		691,767	-	691,767	-	-	-	691,767
Business Technology	Administrative Services	-	-	-	-	-	-	-
Business Technology	Information Technology	1,276,992	-	1,276,992	-	-	-	1,276,992
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-
Total Departmental O&M	-	17,034,118	-	17,034,118	-	-	-	17,034,118

Allocation Percentages: Treatment - Skinner
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					% Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		357,132	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bay Delta Initiatives	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		712,159	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	760,359	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	191,706	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	147,048	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	98,696	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	64.7%	0.0%	35.3%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	56.9%	0.0%	43.1%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	78.9%	0.0%	21.1%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	14,423,873	0.0%	65.8%	0.0%	34.2%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	64.7%	0.0%	35.3%	0.0%	100.0%
Water Systems Operations	Water Quality Section	2,994,972	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	144,108	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	1,298,305	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	562,417	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	281,623	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	54,817	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Sustainability, Resilience & Innovation		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Diversity, Equity & Inclusion		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Equal Employment Opportunity		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		2,783,941	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	2,236,568	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		27,047,723	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Delta Conveyance - Other	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Contract	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs (cash funded portion)								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management (cash funded portion)								
Local Resources Program	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions & Stormwater Pilot	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Conservation Program (cash funded portion)	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Costs	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment	16,089,431	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service	111,825	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
Debt Administration	158,478	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance	-	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
PAYGO	7,668,000	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Costs	24,027,733	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Regional Recycled Water Program planning costs								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs								
Operating Equipment	427,397	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Succession Planning Labor Pool	227,463	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs	654,860	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves								
	-	30.6%	31.0%	38.4%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements								
	24,682,593	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:								
	51,730,315	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - MWD GO Debt Service	111,825	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Interest on Investments	164,799	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - SWC	-	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P	-	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
Annexation	-	31.4%	29.1%	39.4%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets	276,624	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:								
-	51,453,692	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Treatment - Skinner
Fiscal Year Ending 2023

	Functionalization	Allocation Percentages					Total
		Fixed			Variable Commodity	Hydroelectric	
		Demand	Commodity	Standby			
Departmental O&M							
Group	Item						
Office of General Manager		357,132	-	357,132	-	-	357,132
Office of General Manager	Board of Directors	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-
Human Resources		712,159	-	712,159	-	-	712,159
Water Systems Operations	Office of the Manager	760,359	-	760,359	-	-	760,359
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	191,706	-	191,706	-	-	191,706
Water Systems Operations	Office of the Manager, Operations Support Services	147,048	-	147,048	-	-	147,048
Water Systems Operations	Operations Support Services	98,696	-	98,696	-	-	98,696
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	14,423,873	-	9,486,621	4,937,252	-	14,423,873
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	2,994,972	-	2,994,972	-	-	2,994,972
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	144,108	-	144,108	-	-	144,108
Water Systems Operations	Environmental Health & Safety Section	1,298,305	-	1,298,305	-	-	1,298,305
Water Systems Operations	OSS, Fleet Services Unit	562,417	-	562,417	-	-	562,417
Water Systems Operations	OSS, Power Support Unit	281,623	-	281,623	-	-	281,623
Water Systems Operations	Office of the Manager, Operations & Planning Secti	54,817	-	54,817	-	-	54,817
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-
Engineering Services		2,783,941	-	2,783,941	-	-	2,783,941
Business Technology	Administrative Services	-	-	-	-	-	-
Business Technology	Information Technology	2,236,568	-	2,236,568	-	-	2,236,568
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-
Real Property		-	-	-	-	-	-
General Counsel		-	-	-	-	-	-
General Auditor		-	-	-	-	-	-
Total Departmental O&M	-	27,047,723	-	22,110,471	4,937,252	-	27,047,723
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-
		-	-	-	-	-	-
State Water Contract		-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-
Delta Conveyance - Other		-	-	-	-	-	-
Total State Water Contract		-	-	-	-	-	-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-
Supply Programs (cash funded portion)		-	-	-	-	-	-
Demand Management (cash funded portion)		-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-
Future Supply Actions & Stormwater Pilot		-	-	-	-	-	-
Conservation Program (cash funded portion)		-	-	-	-	-	-
Total Demand Management Costs		-	-	-	-	-	-
Capital Financing		-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		16,089,431	5,060,051	4,685,232	6,344,148	-	16,089,431
G.O. Bond Debt Service		111,825	35,168	32,563	44,093	-	111,825
Debt Administration		158,478	49,840	46,149	62,489	-	158,478
Bond Defeasance		-	-	-	-	-	-
PAYGO		7,668,000	2,411,550	2,232,917	3,023,533	-	7,668,000
Total Capital Financing Costs		24,027,733	7,556,610	6,996,861	9,474,263	-	24,027,733
Regional Recycled Water Program planning costs		-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-
Operating Equipment		427,397	-	427,397	-	-	427,397
Succession Planning Labor Pool		227,463	-	227,463	-	-	227,463
OPEB\PERS Pre-Funding		-	-	-	-	-	-
Total Other Operating Costs		654,860	-	654,860	-	-	654,860
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-
Total General District Requirements		24,682,593	7,556,610	7,651,720	9,474,263	-	24,682,593
REQUIREMENTS BEFORE OFFSETS:		51,730,315	7,556,610	29,762,191	9,474,263	4,937,252	51,730,315
Revenue Offsets		-	-	-	-	-	-
Property Taxes - MWD Portion of SWC GO Debt Service		-	-	-	-	-	-
Property Taxes - MWD GO Debt Service		111,825	-	-	111,825	-	111,825
Interest on Investments		164,799	51,828	47,989	64,981	-	164,799
Hydro-Power Revenue		-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue		-	-	-	-	-	-
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	-	-	-	-	-
Misc. allocated to supply (PVID Lease)		-	-	-	-	-	-
Property Taxes - SWC		-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-
Annexation		-	-	-	-	-	-
Total Revenue Offsets		276,624	51,828	47,989	176,806	-	276,624
NET REVENUE REQUIREMENTS:		51,453,692	7,504,781	29,714,202	9,297,457	4,937,252	51,453,692

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Treatment - Skinner
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		314,499	-	314,499	-	-	-	314,499
Office of General Manager	Board of Directors	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-
Human Resources		547,903	-	547,903	-	-	-	547,903
Water Systems Operations	Office of the Manager	554,778	-	554,778	-	-	-	554,778
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	69,045	-	69,045	-	-	-	69,045
Water Systems Operations	Office of the Manager, Operations Support Services	112,059	-	112,059	-	-	-	112,059
Water Systems Operations	Operations Support Services	89,184	-	89,184	-	-	-	89,184
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	9,179,141	-	9,179,141	-	-	-	9,179,141
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	2,354,840	-	2,354,840	-	-	-	2,354,840
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	132,361	-	132,361	-	-	-	132,361
Water Systems Operations	Environmental Health & Safety Section	1,016,128	-	1,016,128	-	-	-	1,016,128
Water Systems Operations	OSS, Fleet Services Unit	339,173	-	339,173	-	-	-	339,173
Water Systems Operations	OSS, Power Support Unit	254,081	-	254,081	-	-	-	254,081
Water Systems Operations	Office of the Manager, Operations & Planning Section	49,826	-	49,826	-	-	-	49,826
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-
Engineering Services		2,207,436	-	2,207,436	-	-	-	2,207,436
Business Technology	Administrative Services	-	-	-	-	-	-	-
Business Technology	Information Technology	1,529,530	-	1,529,530	-	-	-	1,529,530
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-
Total Departmental O&M	-	18,749,982	-	18,749,982	-	-	-	18,749,982

Allocation Percentages: Distribution
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					%	
			Demand	Fixed	Standby	Variable Commodity	Other	Hydroelectric	Total
				Commodity					
Departmental O&M									
Group	Item								
Office of General Manager		1,572,675	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Bay Delta Initiatives	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		3,136,078	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	3,673,054	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	366,212	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	155,557	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	710,342	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	6,801,153	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	9,380,068	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	1,257,278	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	2,565,584	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	2,697,745	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	1,869,025	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	2,174,370	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	2,538,681	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	16,726,000	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	16,142,844	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	6,727,688	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	6,407,386	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	6,882,653	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	4,251,957	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	264,802	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Sustainability, Resilience & Innovation		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Diversity, Equity & Inclusion		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Equal Employment Opportunity		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		8,890,966	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	9,848,996	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	418,793	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	47,850	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		3,600,158	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		119,107,915	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Contract									
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Delta Conveyance - Other		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Contract		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs									
		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs (cash funded portion)									
		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management (cash funded portion)									
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions & Stormwater Pilot		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Conservation Program (cash funded portion)		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing									
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
G.O. Bond Debt Service		51,384,203	33.5%	39.9%	26.7%	0.0%	0.0%	0.0%	100.0%
Debt Administration		1,477,547	33.5%	39.9%	26.7%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance		506,124	33.5%	39.9%	26.7%	0.0%	0.0%	0.0%	100.0%
PAYGO		-	33.5%	39.9%	26.7%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Costs		24,489,000	33.5%	39.9%	26.7%	0.0%	0.0%	0.0%	100.0%
		77,856,873	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Regional Recycled Water Program planning costs									
		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Other Operating Costs									
Operating Equipment		1,882,095	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Succession Planning Labor Pool		1,001,659	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		2,883,754	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves									
		-	32.3%	42.0%	25.7%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements									
		80,740,627	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:									
		199,848,542	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets									
Property Taxes - MWD Portion of SWC GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - MWD GO Debt Service		1,477,547	33.5%	39.9%	26.7%	0.0%	0.0%	0.0%	100.0%
Interest on Investments		636,663	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - SWC		-	33.5%	39.9%	26.7%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Annexation		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets		2,114,210	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:									
-		197,734,332	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Distribution
Fiscal Year Ending 2023

	Functionalization	Allocation Percentages					Total
		Fixed			Variable Commodity	Hydroelectric	
		Demand	Commodity	Standby			
Departmental O&M							
Group	Item						
Office of General Manager		1,572,675	-	1,572,675	-	-	1,572,675
Office of General Manager	Board of Directors	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-
Human Resources		3,136,078	-	3,136,078	-	-	3,136,078
Water Systems Operations	Office of the Manager	3,673,054	-	3,673,054	-	-	3,673,054
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	366,212	-	366,212	-	-	366,212
Water Systems Operations	Office of the Manager, Treatment Section	155,557	-	155,557	-	-	155,557
Water Systems Operations	Office of the Manager, Operations Support Services	710,342	-	710,342	-	-	710,342
Water Systems Operations	Operations Support Services	6,801,153	-	6,801,153	-	-	6,801,153
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	9,380,068	-	9,380,068	-	-	9,380,068
Water Systems Operations	Power Operations and Planning	1,257,278	-	1,257,278	-	-	1,257,278
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	2,565,584	-	2,565,584	-	-	2,565,584
Water Systems Operations	Treatment Diemer	2,697,745	-	2,697,745	-	-	2,697,745
Water Systems Operations	Treatment Mills	1,869,025	-	1,869,025	-	-	1,869,025
Water Systems Operations	Treatment Skinner	2,174,370	-	2,174,370	-	-	2,174,370
Water Systems Operations	Treatment Weymouth	2,538,681	-	2,538,681	-	-	2,538,681
Water Systems Operations	Water Quality Section	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	16,726,000	-	16,726,000	-	-	16,726,000
Water Systems Operations	C&D, Western Unit	16,142,844	-	16,142,844	-	-	16,142,844
Water Systems Operations	OSS, Manufacturing Services Unit	6,727,688	-	6,727,688	-	-	6,727,688
Water Systems Operations	Environmental Health & Safety Section	6,407,386	-	6,407,386	-	-	6,407,386
Water Systems Operations	OSS, Fleet Services Unit	6,882,653	-	6,882,653	-	-	6,882,653
Water Systems Operations	OSS, Power Support Unit	4,251,957	-	4,251,957	-	-	4,251,957
Water Systems Operations	Office of the Manager, Operations & Planning Secti	264,802	-	264,802	-	-	264,802
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-
Engineering Services		8,890,966	-	8,890,966	-	-	8,890,966
Business Technology	Administrative Services	-	-	-	-	-	-
Business Technology	Information Technology	9,848,996	-	9,848,996	-	-	9,848,996
Water Resources Managemen	Resource Planning & Development	418,793	-	418,793	-	-	418,793
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	47,850	-	47,850	-	-	47,850
Ethics Office		-	-	-	-	-	-
Real Property		3,600,158	-	3,600,158	-	-	3,600,158
General Counsel		-	-	-	-	-	-
General Auditor		-	-	-	-	-	-
Total Departmental O&M	-	119,107,915	-	119,107,915	-	-	119,107,915
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-
		-	-	-	-	-	-
State Water Contract		-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-
Delta Conveyance - Other		-	-	-	-	-	-
Total State Water Contract		-	-	-	-	-	-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-
Supply Programs (cash funded portion)		-	-	-	-	-	-
Demand Management (cash funded portion)		-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-
Future Supply Actions & Stormwater Pilot		-	-	-	-	-	-
Conservation Program (cash funded portion)		-	-	-	-	-	-
Total Demand Management Costs		-	-	-	-	-	-
Capital Financing		-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		51,384,203	17,206,319	20,482,600	13,695,284	-	51,384,203
G.O. Bond Debt Service		1,477,547	494,766	588,975	393,806	-	1,477,547
Debt Administration		506,124	169,479	201,749	134,896	-	506,124
Bond Defeasance		-	-	-	-	-	-
PAYGO		24,489,000	8,200,293	9,761,724	6,526,983	-	24,489,000
Total Capital Financing Costs		77,856,873	26,070,857	31,035,048	20,750,969	-	77,856,873
Regional Recycled Water Program planning costs		-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-
Operating Equipment		1,882,095	-	1,882,095	-	-	1,882,095
Succession Planning Labor Pool		1,001,659	-	1,001,659	-	-	1,001,659
OPEB\PERS Pre-Funding		-	-	-	-	-	-
Total Other Operating Costs		2,883,754	-	2,883,754	-	-	2,883,754
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-
Total General District Requirements		80,740,627	26,070,857	33,918,801	20,750,969	-	80,740,627
REQUIREMENTS BEFORE OFFSETS:		199,848,542	26,070,857	153,026,717	20,750,969	-	199,848,542
Revenue Offsets		-	-	-	-	-	-
Property Taxes - MWD Portion of SWC GO Debt Service		-	-	-	-	-	-
Property Taxes - MWD GO Debt Service		1,477,547	494,766	588,975	393,806	-	1,477,547
Interest on Investments		636,663	-	636,663	-	-	636,663
Hydro-Power Revenue		-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue		-	-	-	-	-	-
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	-	-	-	-	-
Misc. allocated to supply (PVID Lease)		-	-	-	-	-	-
Property Taxes - SWC		-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-
Annexation		-	-	-	-	-	-
Total Revenue Offsets		2,114,210	494,766	1,225,638	393,806	-	2,114,210
NET REVENUE REQUIREMENTS:		197,734,332	25,576,091	151,801,079	20,357,163	-	197,734,332

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Distribution
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		1,384,934	-	1,384,934	-	-	-	1,384,934
Office of General Manager	Board of Directors	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-
Human Resources		2,412,756	-	2,412,756	-	-	-	2,412,756
Water Systems Operations	Office of the Manager	2,679,955	-	2,679,955	-	-	-	2,679,955
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	357,963	-	357,963	-	-	-	357,963
Water Systems Operations	Office of the Manager, Treatment Section	56,026	-	56,026	-	-	-	56,026
Water Systems Operations	Office of the Manager, Operations Support Services	541,320	-	541,320	-	-	-	541,320
Water Systems Operations	Operations Support Services	6,145,691	-	6,145,691	-	-	-	6,145,691
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	7,696,700	-	7,696,700	-	-	-	7,696,700
Water Systems Operations	Power Operations and Planning	1,080,294	-	1,080,294	-	-	-	1,080,294
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	1,550,606	-	1,550,606	-	-	-	1,550,606
Water Systems Operations	Treatment Diemer	1,487,695	-	1,487,695	-	-	-	1,487,695
Water Systems Operations	Treatment Mills	1,411,398	-	1,411,398	-	-	-	1,411,398
Water Systems Operations	Treatment Skinner	1,383,737	-	1,383,737	-	-	-	1,383,737
Water Systems Operations	Treatment Weymouth	1,614,828	-	1,614,828	-	-	-	1,614,828
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	11,728,374	-	11,728,374	-	-	-	11,728,374
Water Systems Operations	C&D, Western Unit	11,201,000	-	11,201,000	-	-	-	11,201,000
Water Systems Operations	OSS, Manufacturing Services Unit	6,179,297	-	6,179,297	-	-	-	6,179,297
Water Systems Operations	Environmental Health & Safety Section	5,014,789	-	5,014,789	-	-	-	5,014,789
Water Systems Operations	OSS, Fleet Services Unit	4,150,680	-	4,150,680	-	-	-	4,150,680
Water Systems Operations	OSS, Power Support Unit	3,836,119	-	3,836,119	-	-	-	3,836,119
Water Systems Operations	Office of the Manager, Operations & Planning Section	240,695	-	240,695	-	-	-	240,695
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-
Engineering Services		7,049,803	-	7,049,803	-	-	-	7,049,803
Business Technology	Administrative Services	-	-	-	-	-	-	-
Business Technology	Information Technology	6,735,469	-	6,735,469	-	-	-	6,735,469
Water Resources Management	Resource Planning & Development	323,108	-	323,108	-	-	-	323,108
Water Resources Management	Resource Implementation	-	-	-	-	-	-	-
Water Resources Management	Office of the Group Manager	46,809	-	46,809	-	-	-	46,809
Ethics Office		-	-	-	-	-	-	-
Real Property		1,496,341	-	1,496,341	-	-	-	1,496,341
General Counsel		-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-
Total Departmental O&M	-	87,806,384	-	87,806,384	-	-	-	87,806,384

Allocation Percentages: Hydroelectric
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					% Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		88,925	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Bay Delta Initiatives	Bay Delta Initiatives	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
External Affairs	Legislative Services	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Human Resources		177,326	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Office of the Manager	234,005	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	12,531	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	45,255	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Operations Support Services	120,206	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Power Operations and Planning	915,749	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Water Quality Section	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	558,751	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	C&D, Western Unit	566,095	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	84,809	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	50,159	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	2,576,944	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	16,870	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Sustainability, Resilience & Innovation		-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Diversity, Equity & Inclusion		-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Equal Employment Opportunity		-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Business Technology	Office of Manager	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Engineering Services		730,294	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Business Technology	Administrative Services	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Business Technology	Information Technology	556,900	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Ethics Office		-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Real Property		-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
General Counsel		-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
General Auditor		-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Total Departmental O&M		6,734,820	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Delta Conveyance - Other		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Contract		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs (cash funded portion)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management (cash funded portion)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Future Supply Actions & Stormwater Pilot		-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Conservation Program (cash funded portion)		-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Total Demand Management Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		4,220,643	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
G.O. Bond Debt Service		-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Debt Administration		41,572	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Bond Defeasance		-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
PAYGO		2,011,500	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Total Capital Financing Costs		6,273,715	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Regional Recycled Water Program planning costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs								
Operating Equipment		106,421	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Succession Planning Labor Pool		56,638	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
OPEB/PERS Pre-Funding		-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Total Other Operating Costs		163,059	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Total General District Requirements		6,436,774	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		13,171,594	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Property Taxes - MWD GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Interest on Investments		41,961	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Hydro-Power Revenue		12,611,274	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Wadsworth Pumping Plant (DVL) Power Revenue		-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Misc. allocated to supply (PVID Lease)		-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Property Taxes - SWC		-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Annexation		-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Total Revenue Offsets		12,653,235	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	518,358	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Hydroelectric
Fiscal Year Ending 2023

	Functionalization	Allocation Percentages					Total
		Fixed			Variable Commodity	Hydroelectric	
		Demand	Commodity	Standby			
Departmental O&M							
Group	Item						
Office of General Manager		88,925	-	-	-	88,925	88,925
Office of General Manager	Board of Directors	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-
Human Resources		177,326	-	-	-	177,326	177,326
Water Systems Operations	Office of the Manager	234,005	-	-	-	234,005	234,005
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	12,531	-	-	-	12,531	12,531
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	45,255	-	-	-	45,255	45,255
Water Systems Operations	Operations Support Services	120,206	-	-	-	120,206	120,206
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	915,749	-	-	-	915,749	915,749
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	558,751	-	-	-	558,751	558,751
Water Systems Operations	C&D, Western Unit	566,095	-	-	-	566,095	566,095
Water Systems Operations	OSS, Manufacturing Services Unit	84,809	-	-	-	84,809	84,809
Water Systems Operations	Environmental Health & Safety Section	50,159	-	-	-	50,159	50,159
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	2,576,944	-	-	-	2,576,944	2,576,944
Water Systems Operations	Office of the Manager, Operations & Planning Secti	16,870	-	-	-	16,870	16,870
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-
Engineering Services		730,294	-	-	-	730,294	730,294
Business Technology	Administrative Services	-	-	-	-	-	-
Business Technology	Information Technology	556,900	-	-	-	556,900	556,900
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-
Real Property		-	-	-	-	-	-
General Counsel		-	-	-	-	-	-
General Auditor		-	-	-	-	-	-
Total Departmental O&M	-	6,734,820	-	-	-	6,734,820	6,734,820
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-
		-	-	-	-	-	-
State Water Contract		-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-
Delta Conveyance - Other		-	-	-	-	-	-
Total State Water Contract		-	-	-	-	-	-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-
		-	-	-	-	-	-
Supply Programs (cash funded portion)		-	-	-	-	-	-
Demand Management (cash funded portion)		-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-
Future Supply Actions & Stormwater Pilot		-	-	-	-	-	-
Conservation Program (cash funded portion)		-	-	-	-	-	-
Total Demand Management Costs		-	-	-	-	-	-
Capital Financing		-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		4,220,643	-	-	-	4,220,643	4,220,643
G.O. Bond Debt Service		-	-	-	-	-	-
Debt Administration		41,572	-	-	-	41,572	41,572
Bond Defeasance		-	-	-	-	-	-
PAYGO		2,011,500	-	-	-	2,011,500	2,011,500
Total Capital Financing Costs		6,273,715	-	-	-	6,273,715	6,273,715
Regional Recycled Water Program planning costs		-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-
Operating Equipment		106,421	-	-	-	106,421	106,421
Succession Planning Labor Pool		56,638	-	-	-	56,638	56,638
OPEB\PERS Pre-Funding		-	-	-	-	-	-
Total Other Operating Costs		163,059	-	-	-	163,059	163,059
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-
Total General District Requirements		6,436,774	-	-	-	6,436,774	6,436,774
REQUIREMENTS BEFORE OFFSETS:		13,171,594	-	-	-	13,171,594	13,171,594
Revenue Offsets		-	-	-	-	-	-
Property Taxes - MWD Portion of SWC GO Debt Service		-	-	-	-	-	-
Property Taxes - MWD GO Debt Service		-	-	-	-	-	-
Interest on Investments		41,961	-	-	-	41,961	41,961
Hydro-Power Revenue		12,611,274	-	-	-	12,611,274	12,611,274
CRA Power Revenue		-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue		-	-	-	-	-	-
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	-	-	-	-	-
Misc. allocated to supply (PVID Lease)		-	-	-	-	-	-
Property Taxes - SWC		-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-
Annexation		-	-	-	-	-	-
Total Revenue Offsets		12,653,235	-	-	-	12,653,235	12,653,235
NET REVENUE REQUIREMENTS:		518,358	-	-	-	518,358	518,358

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Hydroelectric
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages						Total
			Fixed			Variable Commodity	Other	Hydroelectric	
			Demand	Commodity	Standby				
Departmental O&M									
Group	Item								
Office of General Manager		78,309	-	-	-	-	-	78,309	78,309
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		136,427	-	-	-	-	-	136,427	136,427
Water Systems Operations	Office of the Manager	170,736	-	-	-	-	-	170,736	170,736
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	12,249	-	-	-	-	-	12,249	12,249
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	34,487	-	-	-	-	-	34,487	34,487
Water Systems Operations	Operations Support Services	108,622	-	-	-	-	-	108,622	108,622
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	786,841	-	-	-	-	-	786,841	786,841
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	391,800	-	-	-	-	-	391,800	391,800
Water Systems Operations	C&D, Western Unit	392,795	-	-	-	-	-	392,795	392,795
Water Systems Operations	OSS, Manufacturing Services Unit	77,896	-	-	-	-	-	77,896	77,896
Water Systems Operations	Environmental Health & Safety Section	39,257	-	-	-	-	-	39,257	39,257
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	2,324,921	-	-	-	-	-	2,324,921	2,324,921
Water Systems Operations	Office of the Manager, Operations & Planning Section	15,334	-	-	-	-	-	15,334	15,334
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		579,063	-	-	-	-	-	579,063	579,063
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	380,849	-	-	-	-	-	380,849	380,849
Water Resources Management	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Management	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Management	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	5,529,586	-	-	-	-	-	5,529,586	5,529,586

Allocation Percentages: Demand Management
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					% Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		148,263	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bay Delta Initiatives	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	2,888,626	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		295,652	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Sustainability, Resilience & Innovation		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Diversity, Equity & Inclusion		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Equal Employment Opportunity		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		98,026	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	928,508	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	314,095	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	5,851,229	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	704,425	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		11,228,825	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Delta Conveyance - Other		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Contract		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs								
		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs (cash funded portion)								
		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management (cash funded portion)								
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions & Stormwater Pilot		22,175,417	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Conservation Program (cash funded portion)		3,639,900	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Costs		25,000,000	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
		50,815,317	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing								
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
G.O. Bond Debt Service		566,529	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Debt Administration		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance		5,580	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
PAYGO		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Costs		270,000	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
		842,109	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%
Regional Recycled Water Program planning costs								
		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs								
Operating Equipment		177,433	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Succession Planning Labor Pool		94,431	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
OPEB/PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		271,864	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves								
		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements								
		51,929,291	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:								
		63,158,115	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - MWD GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Interest on Investments		201,205	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - SWC		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Reserve used for Revenue Bonds - I&P		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Annexation		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Revenue Offsets		201,205	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:								
-		62,956,911	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Demand Management
Fiscal Year Ending 2023

	Functionalization	Allocation Percentages					Total	
		Fixed			Variable Commodity	Other		Hydroelectric
		Demand	Commodity	Standby				
Departmental O&M								
Group	Item							
Office of General Manager		148,263	-	148,263	-	-	-	148,263
Office of General Manager	Board of Directors	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	2,888,626	-	2,888,626	-	-	-	2,888,626
Human Resources		295,652	-	295,652	-	-	-	295,652
Water Systems Operations	Office of the Manager	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	-	-	-	-	-	-	-
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	-	-	-	-	-	-	-
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-
Engineering Services		98,026	-	98,026	-	-	-	98,026
Business Technology	Administrative Services	-	-	-	-	-	-	-
Business Technology	Information Technology	928,508	-	928,508	-	-	-	928,508
Water Resources Managemen	Resource Planning & Development	314,095	-	314,095	-	-	-	314,095
Water Resources Managemen	Resource Implementation	5,851,229	-	5,851,229	-	-	-	5,851,229
Water Resources Managemen	Office of the Group Manager	704,425	-	704,425	-	-	-	704,425
Ethics Office		-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-
Total Departmental O&M	-	11,228,825	-	11,228,825	-	-	-	11,228,825
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
State Water Contract		-	-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-
Delta Conveyance - Other		-	-	-	-	-	-	-
Total State Water Contract		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
Supply Programs (cash funded portion)		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
Demand Management (cash funded portion)		-	-	-	-	-	-	-
Local Resources Program		22,175,417	-	22,175,417	-	-	-	22,175,417
Future Supply Actions & Stormwater Pilot		3,639,900	-	3,639,900	-	-	-	3,639,900
Conservation Program (cash funded portion)		25,000,000	-	25,000,000	-	-	-	25,000,000
Total Demand Management Costs		50,815,317	-	50,815,317	-	-	-	50,815,317
		-	-	-	-	-	-	-
Capital Financing		-	-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		566,529	-	566,529	-	-	-	566,529
G.O. Bond Debt Service		-	-	-	-	-	-	-
Debt Administration		5,580	-	5,580	-	-	-	5,580
Bond Defeasance		-	-	-	-	-	-	-
PAYGO		270,000	-	270,000	-	-	-	270,000
Total Capital Financing Costs		842,109	-	842,109	-	-	-	842,109
		-	-	-	-	-	-	-
Regional Recycled Water Program planning costs		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-	-
Operating Equipment		177,433	-	177,433	-	-	-	177,433
Succession Planning Labor Pool		94,431	-	94,431	-	-	-	94,431
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-
Total Other Operating Costs		271,864	-	271,864	-	-	-	271,864
		-	-	-	-	-	-	-
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
Total General District Requirements		51,929,291	-	51,929,291	-	-	-	51,929,291
		-	-	-	-	-	-	-
REQUIREMENTS BEFORE OFFSETS:		63,158,115	-	63,158,115	-	-	-	63,158,115
		-	-	-	-	-	-	-
Revenue Offsets		-	-	-	-	-	-	-
Property Taxes - MWD Portion of SWC GO Debt Service		-	-	-	-	-	-	-
Property Taxes - MWD GO Debt Service		-	-	-	-	-	-	-
Interest on Investments		201,205	-	201,205	-	-	-	201,205
Hydro-Power Revenue		-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue		-	-	-	-	-	-	-
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease)		-	-	-	-	-	-	-
Property Taxes - SWC		-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-
Total Revenue Offsets		201,205	-	201,205	-	-	-	201,205
		-	-	-	-	-	-	-
NET REVENUE REQUIREMENTS:		62,956,911	-	62,956,911	-	-	-	62,956,911

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Demand Management
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		130,564	-	130,564	-	-	-	130,564
Office of General Manager	Board of Directors	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	1,919,411	-	1,919,411	-	-	-	1,919,411
Human Resources		227,461	-	227,461	-	-	-	227,461
Water Systems Operations	Office of the Manager	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	-	-	-	-	-	-	-
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	-	-	-	-	-	-	-
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-
Engineering Services		77,727	-	77,727	-	-	-	77,727
Business Technology	Administrative Services	-	-	-	-	-	-	-
Business Technology	Information Technology	634,982	-	634,982	-	-	-	634,982
Water Resources Managemen	Resource Planning & Development	242,331	-	242,331	-	-	-	242,331
Water Resources Managemen	Resource Implementation	3,771,084	-	3,771,084	-	-	-	3,771,084
Water Resources Managemen	Office of the Group Manager	689,100	-	689,100	-	-	-	689,100
Ethics Office		-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-
Total Departmental O&M	-	7,692,659	-	7,692,659	-	-	-	7,692,659

Allocation Percentages: Administrative & General
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages						%
			Demand	Fixed	Standby	Variable Commodity	Other	Hydroelectric	Total
				Commodity					
Departmental O&M									
Group	Item								
	Office of General Manager	2,198,593	0.0%	1.6%	0.0%	0.0%	0.0%	0.0%	1.6%
	Office of General Manager	2,107,494	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Bay Delta Initiatives	-	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	1.8%
	External Affairs	6,228,609	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	External Affairs	5,759,076	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	External Affairs	9,885,274	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	External Affairs	2,888,626	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	0.6%
	Human Resources	4,384,226	0.0%	2.8%	0.0%	0.0%	0.0%	0.0%	2.8%
	Water Systems Operations	724,081	0.0%	2.5%	0.0%	0.0%	0.0%	0.1%	2.5%
	Water Systems Operations	20,652	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.3%
	Water Systems Operations	-	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.1%
	Water Systems Operations	140,032	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.5%
	Water Systems Operations	284,699	0.0%	2.2%	0.0%	0.0%	0.0%	0.0%	2.3%
	Water Systems Operations	-	0.0%	8.9%	0.0%	0.0%	0.0%	0.0%	8.9%
	Water Systems Operations	-	0.0%	2.5%	0.0%	0.0%	0.0%	0.0%	2.5%
	Water Systems Operations	356,542	0.0%	0.7%	0.0%	0.0%	0.0%	0.3%	1.0%
	Water Systems Operations	-	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.7%
	Water Systems Operations	-	0.0%	3.9%	0.0%	0.0%	0.0%	0.0%	3.9%
	Water Systems Operations	-	0.0%	3.7%	0.0%	0.0%	0.0%	0.0%	3.7%
	Water Systems Operations	-	0.0%	3.5%	0.0%	0.0%	0.0%	0.0%	3.5%
	Water Systems Operations	-	0.0%	3.5%	0.0%	0.0%	0.0%	0.0%	3.5%
	Water Systems Operations	-	0.0%	4.0%	0.0%	0.0%	0.0%	0.0%	4.0%
	Water Systems Operations	-	0.0%	7.4%	0.0%	0.0%	0.0%	0.0%	7.4%
	Water Systems Operations	904,747	0.0%	4.6%	0.0%	0.0%	0.0%	0.1%	4.7%
	Water Systems Operations	949,214	0.0%	3.8%	0.0%	0.0%	0.0%	0.1%	3.9%
	Water Systems Operations	573,229	0.0%	2.4%	0.0%	0.0%	0.0%	0.0%	2.4%
	Water Systems Operations	754,001	0.0%	3.9%	0.0%	0.0%	0.0%	0.0%	4.0%
	Water Systems Operations	1,430,094	0.0%	2.3%	0.0%	0.0%	0.0%	0.0%	2.3%
	Water Systems Operations	133,449	0.0%	1.9%	0.0%	0.0%	0.0%	0.8%	2.7%
	Water Systems Operations	52,201	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.2%
	Water Systems Operations	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Sustainability, Resilience & Innovation	9,952,336	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Diversity, Equity & Inclusion	1,426,735	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Equal Employment Opportunity	1,975,822	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Office of the Chief Financial Officer	28,941,344	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Business Technology	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Engineering Services	2,965,289	0.0%	11.8%	0.0%	0.0%	0.0%	0.2%	12.0%
	Business Technology	33,135,504	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Business Technology	13,768,858	0.0%	7.8%	0.0%	0.0%	0.0%	0.1%	7.9%
	Water Resources Management	-	0.0%	1.4%	0.0%	0.0%	0.0%	0.0%	1.4%
	Water Resources Management	35,524	0.0%	3.6%	0.0%	0.0%	0.0%	0.0%	3.6%
	Water Resources Management	4,059	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.8%
	Ethics Office	2,106,637	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Real Property	11,992,697	0.0%	2.4%	0.0%	0.0%	0.0%	0.0%	2.4%
	General Counsel	15,833,730	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	General Auditor	4,599,034	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Total Departmental O&M	166,512,406	0.0%	98.2%	0.0%	0.0%	0.0%	1.8%	100.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Contract									
	Supply - O&M	-	0.0%	8.2%	0.0%	0.0%	0.0%	0.0%	8.2%
	Supply - Capital	-	0.0%	6.0%	0.0%	0.0%	0.0%	0.0%	6.0%
	Power - O&M & Off-Aq Capital	-	0.0%	0.0%	0.0%	18.6%	0.0%	0.0%	18.6%
	Power - Capital (less Off-Aq)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Transmission - Capital - Commodity, Demand, & Standby	-	0.4%	2.2%	1.9%	0.0%	0.0%	0.0%	4.5%
	Transmission - O&M - Commodity only	-	0.0%	14.5%	0.0%	0.0%	0.0%	0.0%	14.5%
	Delta Conveyance - Other	-	0.1%	0.4%	0.3%	0.0%	0.0%	0.0%	0.7%
	Total State Water Contract	-	0.4%	31.4%	2.3%	18.6%	0.0%	0.0%	52.7%
	Colorado River Aqueduct Power Costs	-	0.0%	0.0%	0.0%	7.9%	0.0%	0.0%	7.9%
	Supply Programs (cash funded portion)	-	0.0%	5.0%	0.0%	0.0%	0.0%	0.0%	5.0%
	Demand Management (cash funded portion)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Local Resources Program	-	0.0%	1.7%	0.0%	0.0%	0.0%	0.0%	1.7%
	Future Supply Actions & Stormwater Pilot	-	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.3%
	Conservation Program (cash funded portion)	-	0.0%	1.9%	0.0%	0.0%	0.0%	0.0%	1.9%
	Total Demand Management Costs	-	0.0%	3.8%	0.0%	0.0%	0.0%	0.0%	3.8%
	Capital Financing	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Revenue Bond Debt Service net of BABs Interest Subsidy Payment	17,137,510	3.7%	8.5%	7.5%	0.0%	0.0%	0.3%	19.9%
	G.O. Bond Debt Service	-	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.1%
	Debt Administration	168,801	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.2%
	Bond Defeasance	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	PAYGO	8,167,500	1.7%	4.0%	3.6%	0.0%	0.0%	0.2%	9.5%
	Total Capital Financing Costs	25,473,811	5.5%	12.7%	11.1%	0.0%	0.0%	0.5%	29.8%
	Regional Recycled Water Program planning costs	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Other Operating Costs								
	Operating Equipment	2,631,161	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.5%
	Succession Planning Labor Pool	1,400,316	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.3%
	OPEB\PERS Pre-Funding	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Total Other Operating Costs	4,031,477	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.8%
	Increase/(Decrease) in Required Reserves	13,300,000	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Total General District Requirements	42,805,287	5.9%	53.6%	13.4%	26.5%	0.0%	0.5%	100.0%
	REQUIREMENTS BEFORE OFFSETS:	209,317,693	4.8%	61.9%	10.9%	21.6%	0.0%	0.7%	100.0%
	Revenue Offsets								
	Property Taxes - MWD Portion of SWC GO Debt Service	-	4.8%	61.9%	10.9%	21.6%	0.0%	0.7%	100.0%
	Property Taxes - MWD GO Debt Service	-	4.8%	61.9%	10.9%	21.6%	0.0%	0.7%	100.0%
	Interest on Investments	666,829	4.8%	61.9%	10.9%	21.6%	0.0%	0.7%	100.0%
	Hydro-Power Revenue	-	4.8%	61.9%	10.9%	21.6%	0.0%	0.7%	100.0%
	CRA Power Revenue	-	4.8%	61.9%	10.9%	21.6%	0.0%	0.7%	100.0%
	Wadsworth Pumping Plant (DVL) Power Revenue	-	4.8%	61.9%	10.9%	21.6%	0.0%	0.7%	100.0%
	Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)	42,991,971	4.8%	61.9%	10.9%	21.6%	0.0%	0.7%	100.0%
	Misc. allocated to supply (PVID Lease)	-	4.8%	61.9%	10.9%	21.6%	0.0%	0.7%	100.0%
	Property Taxes - SWC	-	4.8%	61.9%	10.9%	21.6%	0.0%	0.7%	100.0%
	Revenue Reserve used for Revenue Bonds - I&P	-	4.8%	61.9%	10.9%	21.6%	0.0%	0.7%	100.0%
	Annexation	-	4.8%	61.9%	10.9%	21.6%	0.0%	0.7%	100.0%
	Total Revenue Offsets	43,658,800	4.8%	61.9%	10.9%	21.6%	0.0%	0.7%	100.0%
	NET REVENUE REQUIREMENTS:	-	165,658,893	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Administrative & General
Fiscal Year Ending 2023

		Functionalization	Allocation Percentages					Total	
			Fixed			Variable Commodity	Other		Hydroelectric
			Demand	Commodity	Standby				
Departmental O&M									
Group	Item								
Office of General Manager		-	-	2,674,202	-	-	-	42,749	2,716,951
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	3,016,425	-	-	-	-	3,016,425
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		-	-	1,047,795	-	-	-	-	1,047,795
Water Systems Operations	Office of the Manager	-	-	4,658,849	-	-	-	74,474	4,733,324
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	4,152,129	-	-	-	93,204	4,245,333
Water Systems Operations	Office of the Manager, Treatment Section	-	-	449,226	-	-	-	6,687	455,913
Water Systems Operations	Office of the Manager, Operations Support Services	-	-	233,466	-	-	-	-	233,466
Water Systems Operations	Operations Support Services	-	-	838,682	-	-	-	18,826	857,508
Water Systems Operations	Desert Region / C&D CRA	-	-	3,701,309	-	-	-	59,296	3,760,605
Water Systems Operations	System Operations Unit	-	-	14,766,280	-	-	-	-	14,766,280
Water Systems Operations	Power Operations and Planning	-	-	4,201,584	-	-	-	-	4,201,584
Water Systems Operations	Operations Planning & Programs Unit	-	-	1,163,609	-	-	-	429,532	1,593,140
Water Systems Operations	Treatment Jensen	-	-	1,105,209	-	-	-	-	1,105,209
Water Systems Operations	Treatment Diemer	-	-	6,461,580	-	-	-	-	6,461,580
Water Systems Operations	Treatment Mills	-	-	6,199,420	-	-	-	-	6,199,420
Water Systems Operations	Treatment Skinner	-	-	5,881,479	-	-	-	-	5,881,479
Water Systems Operations	Treatment Weymouth	-	-	5,766,213	-	-	-	-	5,766,213
Water Systems Operations	Water Quality Section	-	-	6,729,199	-	-	-	-	6,729,199
Water Systems Operations	C&D, Eastern Unit	-	-	12,360,512	-	-	-	-	12,360,512
Water Systems Operations	C&D, Western Unit	-	-	7,665,995	-	-	-	213,881	7,879,876
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	6,342,957	-	-	-	214,425	6,557,382
Water Systems Operations	Environmental Health & Safety Section	-	-	3,939,448	-	-	-	42,523	3,981,971
Water Systems Operations	OSS, Fleet Services Unit	-	-	6,569,415	-	-	-	21,430	6,590,845
Water Systems Operations	OSS, Power Support Unit	-	-	3,809,200	-	-	-	-	3,809,200
Water Systems Operations	Office of the Manager, Operations & Planning Secti	-	-	3,197,831	-	-	-	1,269,161	4,466,992
Water Systems Operations	Security Team & Security Management	-	-	372,915	-	-	-	8,371	381,286
Sustainability, Resilience & Inn		-	-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		-	-	19,615,620	-	-	-	316,107	19,931,727
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	-	-	13,005,682	-	-	-	207,903	13,213,585
Water Resources Managemen	Resource Planning & Development	-	-	2,320,826	-	-	-	-	2,320,826
Water Resources Managemen	Resource Implementation	-	-	5,938,969	-	-	-	-	5,938,969
Water Resources Managemen	Office of the Group Manager	-	-	1,366,174	-	-	-	-	1,366,174
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	3,941,637	-	-	-	-	3,941,637
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	-	-	163,493,838	-	-	-	3,018,568	166,512,406
GENERAL DISTRICT REQUIREMENTS				-	-	-	-	-	-
State Water Contract				-	-	-	-	-	-
Supply - O&M		-	-	3,530,989	-	-	-	-	3,530,989
Supply - Capital		-	-	2,579,324	-	-	-	-	2,579,324
Power - O&M & Off-Aq Capital		-	-	-	-	7,969,676	-	-	7,969,676
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	161,671	951,004	827,542	-	-	-	1,940,216
Transmission - O&M - Commodity only		-	-	6,222,708	-	-	-	-	6,222,708
Delta Conveyance - Other		-	26,720	157,174	136,769	-	-	-	320,663
Total State Water Contract		-	188,390	13,441,199	964,311	7,969,676	-	-	22,563,576
Colorado River Aqueduct Power Costs				-	-	3,394,447	-	-	3,394,447
Supply Programs (cash funded portion)				2,137,526	-	-	-	-	2,137,526
Demand Management (cash funded portion)				-	-	-	-	-	-
Local Resources Program		-	-	711,084	-	-	-	-	711,084
Future Supply Actions & Stormwater Pilot		-	-	116,718	-	-	-	-	116,718
Conservation Program (cash funded portion)		-	-	801,658	-	-	-	-	801,658
Total Demand Management Costs		-	-	1,629,461	-	-	-	-	1,629,461
Capital Financing				-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	1,567,312	3,632,892	3,198,177	-	-	135,341	8,533,721
G.O. Bond Debt Service		-	20,819	23,473	18,839	-	-	-	63,131
Debt Administration		-	15,438	35,783	31,501	-	-	1,333	84,055
Bond Defeasance		-	-	-	-	-	-	-	-
PAYGO		-	746,959	1,731,386	1,524,207	-	-	64,501	4,067,053
Total Capital Financing Costs		-	2,350,527	5,423,534	4,772,723	-	-	201,175	12,747,960
Regional Recycled Water Program planning costs				-	-	-	-	-	-
Other Operating Costs				-	-	-	-	-	-
Operating Equipment		-	-	209,370	4,106	-	-	3,413	216,888
Succession Planning Labor Pool		-	-	111,428	2,185	-	-	1,816	115,429
OPEB\PERS Pre-Funding		-	-	-	-	-	-	-	-
Total Other Operating Costs		-	-	320,797	6,290	-	-	5,229	332,316
Increase/(Decrease) in Required Reserves				-	-	-	-	-	-
Total General District Requirements				2,538,918	22,952,517	5,743,325	11,364,124	206,404	42,805,287
REQUIREMENTS BEFORE OFFSETS:		209,317,693		2,538,918	186,446,355	5,743,325	11,364,124	3,224,972	209,317,693
Revenue Offsets									
Property Taxes - MWD Portion of SWC GO Debt Service		-	-	-	-	-	-	-	-
Property Taxes - MWD GO Debt Service		-	-	-	-	-	-	-	-
Interest on Investments	666,829		32,195	412,835	72,829	144,104	-	4,866	666,829
Hydro-Power Revenue		-	-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue		-	-	-	-	-	-	-	-
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)	42,991,971		2,075,691	26,616,386	4,695,452	9,290,734	-	313,708	42,991,971
Misc. allocated to supply (PVID Lease)		-	-	-	-	-	-	-	-
Property Taxes - SWC		-	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-
Total Revenue Offsets	43,658,800		2,107,886	27,029,221	4,768,282	9,434,838	-	318,574	43,658,800
NET REVENUE REQUIREMENTS:		165,658,893		431,032	159,417,134	975,043	1,929,285	2,906,399	165,658,893

Detailed Summary of Cost Allocations (by budget line Item, Includes Administrative and General Costs)
Fiscal Year Ending 2023

	Total Costs to Be Allocated	A&G Cost Redistribution	Adjusted Costs	Allocation Categories					Total	
				Fixed			Variable Commodity	Hydroelectric		
				Demand	Commodity	Standby				
Departmental O&M										
Group	Item									
Office of General Manager		2,198,593	6,170,113	8,368,706	-	8,237,032	-	131,674	8,368,706	
Office of General Manager	Board of Directors	2,107,494	(2,107,494)	-	-	-	-	-	-	
Bay Delta Initiatives	Bay Delta Initiatives	-	15,071,976	15,071,976	-	15,071,976	-	-	15,071,976	
External Affairs	Legislative Services	6,228,609	(6,228,609)	-	-	-	-	-	-	
External Affairs	Media Communications Services	5,759,076	(5,759,076)	-	-	-	-	-	-	
External Affairs	Manager, External Affairs/Special Projects	9,885,274	(9,885,274)	-	-	-	-	-	-	
External Affairs	Conservation & Community Services	2,888,626	1,047,795	3,936,422	-	3,936,422	-	-	3,936,422	
Human Resources		4,384,226	11,619,290	16,003,516	-	15,751,716	-	251,800	16,003,516	
Water Systems Operations	Office of the Manager	724,081	14,179,926	14,904,006	-	14,576,798	-	327,209	14,904,006	
Water Systems Operations	Office of the Manager, Conveyance & Distribution Se	20,652	1,289,673	1,310,324	-	1,291,107	-	19,218	1,310,324	
Water Systems Operations	Office of the Manager, Treatment Section	-	1,420,921	1,420,921	-	1,420,921	-	-	1,420,921	
Water Systems Operations	Office of the Manager, Operations Support Services	140,032	2,778,785	2,918,817	-	2,854,736	-	64,081	2,918,817	
Water Systems Operations	Operations Support Services	284,699	11,099,524	11,384,224	-	11,204,721	-	179,502	11,384,224	
Water Systems Operations	Desert Region / C&D CRA	-	48,024,991	48,024,991	-	48,024,991	-	-	48,024,991	
Water Systems Operations	System Operations Unit	-	13,581,652	13,581,652	-	13,581,652	-	-	13,581,652	
Water Systems Operations	Power Operations and Planning	356,542	4,633,126	4,989,668	-	3,644,387	-	1,345,281	4,989,668	
Water Systems Operations	Operations Planning & Programs Unit	-	3,199,665	3,199,665	-	3,199,665	-	-	3,199,665	
Water Systems Operations	Treatment Jensen	-	26,046,190	26,046,190	-	20,044,640	6,001,550	-	26,046,190	
Water Systems Operations	Treatment Diemer	-	26,792,894	26,792,894	-	19,080,401	7,712,493	-	26,792,894	
Water Systems Operations	Treatment Mills	-	20,148,843	20,148,843	-	17,536,800	2,612,043	-	20,148,843	
Water Systems Operations	Treatment Skinner	-	22,364,457	22,364,457	-	17,427,205	4,937,252	-	22,364,457	
Water Systems Operations	Treatment Weymouth	-	26,108,442	26,108,442	-	20,161,035	5,947,408	-	26,108,442	
Water Systems Operations	Water Quality Section	-	41,158,320	41,158,320	-	41,158,320	-	-	41,158,320	
Water Systems Operations	C&D, Eastern Unit	904,747	27,560,810	28,465,557	-	27,692,924	-	772,632	28,465,557	
Water Systems Operations	C&D, Western Unit	949,214	22,920,089	23,869,303	-	23,088,783	-	780,520	23,869,303	
Water Systems Operations	OSS, Manufacturing Services Unit	573,229	11,350,497	11,923,725	-	11,796,393	-	127,332	11,923,725	
Water Systems Operations	Environmental Health & Safety Section	754,001	21,263,113	22,017,113	-	21,945,524	-	71,589	22,017,113	
Water Systems Operations	OSS, Fleet Services Unit	1,430,094	13,949,868	15,379,962	-	15,379,962	-	-	15,379,962	
Water Systems Operations	OSS, Power Support Unit	133,449	13,403,465	13,536,914	-	9,690,809	-	3,846,104	13,536,914	
Water Systems Operations	Office of the Manager, Operations & Planning Section	52,201	1,097,501	1,149,702	-	1,124,461	-	25,241	1,149,702	
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-	-	
Sustainability, Resilience & Innovation		9,952,336	(9,952,336)	-	-	-	-	-	-	
Diversity, Equity & Inclusion		1,426,735	(1,426,735)	-	-	-	-	-	-	
Equal Employment Opportunity		1,975,822	(1,975,822)	-	-	-	-	-	-	
Office of the Chief Financial Officer		28,941,344	(28,941,344)	-	-	-	-	-	-	
Business Technology	Office of Manager	-	-	-	-	-	-	-	-	
Engineering Services		2,965,289	63,014,193	65,979,482	-	64,933,081	-	1,046,402	65,979,482	
Business Technology	Administrative Services	33,135,504	(33,135,504)	-	-	-	-	-	-	
Business Technology	Information Technology	13,768,858	34,839,274	48,608,133	-	47,843,329	-	764,804	48,608,133	
Water Resources Management	Resource Planning & Development	-	7,831,260	7,831,260	-	7,831,260	-	-	7,831,260	
Water Resources Management	Resource Implementation	35,524	22,783,878	22,819,402	-	22,819,402	-	-	22,819,402	
Water Resources Management	Office of the Group Manager	4,059	3,920,406	3,924,465	-	3,924,465	-	-	3,924,465	
Ethics Office		2,106,637	(2,106,637)	-	-	-	-	-	-	
Real Property		11,992,697	9,321,319	21,314,016	-	21,314,016	-	-	21,314,016	
General Counsel		15,833,730	(15,833,730)	-	-	-	-	-	-	
General Auditor		4,599,034	(4,599,034)	-	-	-	-	-	-	
Total Departmental O&M		166,512,406	428,040,660	594,553,066	-	557,588,932	27,210,746	9,753,388	594,553,066	
GENERAL DISTRICT REQUIREMENTS										
State Water Contract										
Supply - O&M		110,115,149	3,530,989	113,646,138	-	113,646,138	-	-	113,646,138	
Supply - Capital		80,437,139	2,579,324	83,016,463	-	83,016,463	-	-	83,016,463	
Power - O&M & Off-Aq Capital		248,537,194	7,969,676	256,506,870	-	-	256,506,870	-	256,506,870	
Power - Capital (less Off-Aq)		(4,981,305)	-	(4,981,305)	-	-	(4,981,305)	-	(4,981,305)	
Transmission - Capital - Commodity, Demand, & Standby		60,506,317	1,940,216	62,446,533	5,203,426	30,608,387	26,634,720	-	62,446,533	
Transmission - O&M - Commodity only		194,057,356	6,222,708	200,280,064	-	200,280,064	-	-	200,280,064	
Delta Conveyance - Other		10,000,000	320,663	10,320,663	859,981	5,058,709	4,401,973	-	10,320,663	
Total State Water Contract		698,671,850	22,563,576	721,235,426	6,063,406	432,609,761	31,036,693	251,525,565	721,235,426	
Colorado River Aqueduct Power Costs		105,857,041	3,394,447	109,251,488	-	-	109,251,488	-	109,251,488	
Supply Programs (cash funded portion)		66,659,522	2,137,526	68,797,048	-	68,797,048	-	-	68,797,048	
Demand Management (cash funded portion)										
Local Resources Program		22,175,417	711,084	22,886,502	-	22,886,502	-	-	22,886,502	
Future Supply Actions & Stormwater Pilot		3,639,900	116,718	3,756,618	-	3,756,618	-	-	3,756,618	
Conservation Program (cash funded portion)		25,000,000	801,658	25,801,658	-	25,801,658	-	-	25,801,658	
Total Demand Management Costs		50,815,317	1,629,461	52,444,778	-	52,444,778	-	-	52,444,778	
Capital Financing										
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		283,264,623	(8,603,789)	274,660,834	50,444,485	116,925,913	102,934,452	4,355,983	274,660,834	
G.O. Bond Debt Service		1,968,750	63,131	2,031,881	670,066	755,486	606,329	-	2,031,881	
Debt Administration		2,790,098	(84,746)	2,705,352	496,868	1,151,696	1,013,883	42,906	2,705,352	
Bond Defeasance		-	-	-	-	-	-	-	-	
PAYGO		135,000,000	(4,100,447)	130,899,553	24,041,144	55,725,273	49,057,136	2,076,001	130,899,553	
Total Capital Financing Costs		423,023,470	(12,725,851)	410,297,620	75,652,562	174,558,368	153,611,799	6,474,890	410,297,620	
Regional Recycled Water Program planning costs		-	-	-	-	-	-	-	-	
Other Operating Costs										
Operating Equipment		9,394,884	(2,414,273)	6,980,611	-	6,738,641	132,137	109,833	6,980,611	
Succession Planning Labor Pool		5,000,000	(1,284,887)	3,715,113	-	3,586,335	70,324	58,454	3,715,113	
OPEB/PERS Pre-Funding		-	-	-	-	-	-	-	-	
Total Other Operating Costs		14,394,884	(3,699,160)	10,695,724	-	10,324,976	202,461	168,287	10,695,724	
Increase/(Decrease) in Required Reserves		13,300,000	(13,300,000)	-	-	-	-	-	-	
Total General District Requirements		1,372,722,085	0	1,372,722,085	81,715,969	738,734,932	184,850,954	360,777,053	1,372,722,085	
REQUIREMENTS BEFORE OFFSETS:		1,539,234,491	428,040,660	1,967,275,151	81,715,969	1,296,323,864	184,850,954	387,987,799	1,967,275,151	
Revenue Offsets										
Property Taxes - MWD Portion of SWC GO Debt Service		564,249	-	564,249	47,017	276,569	240,664	-	564,249	
Property Taxes - MWD GO Debt Service		1,968,750	-	1,968,750	494,766	588,975	885,009	-	1,968,750	
Interest on Investments		6,267,205	0	6,267,205	607,978	3,256,138	1,061,038	1,295,225	6,267,205	
Hydro-Power Revenue		12,611,274	-	12,611,274	-	-	-	12,611,274	12,611,274	
CRA Power Revenue		3,376,627	-	3,376,627	-	-	3,376,627	-	3,376,627	
Wadsworth Pumping Plant (DVL) Power Revenue		679,733	-	679,733	-	-	679,733	-	679,733	
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		42,991,971	-	42,991,971	2,075,691	26,616,386	4,695,452	9,290,734	42,991,971	
Misc. allocated to supply (PVID Lease)		5,930,280	-	5,930,280	-	5,930,280	-	-	5,930,280	
Property Taxes - SWC		160,551,544	(0)	160,551,544	1,175,395	96,578,960	6,016,483	56,780,706	160,551,544	
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-	
Annexation		-	-	-	-	-	-	-	-	
Total Revenue Offsets		234,941,633	(0)	234,941,633	4,400,846	133,247,307	12,898,646	71,423,025	234,941,633	
NET REVENUE REQUIREMENTS:		\$ 1,732,333,518	\$ 428,040,660	\$ 1,732,333,518	\$ 77,315,123	\$ 1,163,076,557	\$ 171,952,307	\$ 316,564,774	\$ 1,732,333,518	

Costs Used for Calculating A&G Allocation Percentages
Adjusted to exclude negative numbers
Fiscal Year Ending 2023

		Total to Be Allocated Excluding A&G and Negative Values	Line Item Costs by Allocation Category (w/o A&G)					Total Allocations
			Fixed			Variable Commodity	Hydro-Electric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		4,977,065	-	4,898,756	-	-	78,309	4,977,065
Office of General Manager	Board of Directors	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	5,525,660	-	5,525,660	-	-	-	5,525,660
External Affairs	Legislative Services	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Pro	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	1,919,411	-	1,919,411	-	-	-	1,919,411
Human Resources		8,670,772	-	8,534,346	-	-	136,427	8,670,772
Water Systems Operations	Office of the Manager	7,776,843	-	7,606,107	-	-	170,736	7,776,843
Water Systems Operations	Office of the Manager, Conveyance &	835,167	-	822,918	-	-	12,249	835,167
Water Systems Operations	Office of the Manager, Treatment Sec	427,676	-	427,676	-	-	-	427,676
Water Systems Operations	Office of the Manager, Operations Su	1,570,832	-	1,536,345	-	-	34,487	1,570,832
Water Systems Operations	Operations Support Services	6,888,890	-	6,780,269	-	-	108,622	6,888,890
Water Systems Operations	Desert Region / C&D CRA	27,049,712	-	27,049,712	-	-	-	27,049,712
Water Systems Operations	System Operations Unit	7,696,700	-	7,696,700	-	-	-	7,696,700
Water Systems Operations	Power Operations and Planning	2,918,405	-	2,131,564	-	-	786,841	2,918,405
Water Systems Operations	Operations Planning & Programs Unit	2,024,585	-	2,024,585	-	-	-	2,024,585
Water Systems Operations	Treatment Jensen	11,836,690	-	11,836,690	-	-	-	11,836,690
Water Systems Operations	Treatment Diemer	11,356,450	-	11,356,450	-	-	-	11,356,450
Water Systems Operations	Treatment Mills	10,774,027	-	10,774,027	-	-	-	10,774,027
Water Systems Operations	Treatment Skinner	10,562,878	-	10,562,878	-	-	-	10,562,878
Water Systems Operations	Treatment Weymouth	12,326,929	-	12,326,929	-	-	-	12,326,929
Water Systems Operations	Water Quality Section	22,642,690	-	22,642,690	-	-	-	22,642,690
Water Systems Operations	C&D, Eastern Unit	14,434,806	-	14,043,006	-	-	391,800	14,434,806
Water Systems Operations	C&D, Western Unit	12,012,185	-	11,619,390	-	-	392,795	12,012,185
Water Systems Operations	OSS, Manufacturing Services Unit	7,294,401	-	7,216,505	-	-	77,896	7,294,401
Water Systems Operations	Environmental Health & Safety Sectio	12,073,485	-	12,034,228	-	-	39,257	12,073,485
Water Systems Operations	OSS, Fleet Services Unit	6,977,909	-	6,977,909	-	-	-	6,977,909
Water Systems Operations	OSS, Power Support Unit	8,182,890	-	5,857,970	-	-	2,324,921	8,182,890
Water Systems Operations	Office of the Manager, Operations & F	698,462	-	683,127	-	-	15,334	698,462
Water Systems Operations	Security Team & Security Managemen	-	-	-	-	-	-	-
Sustainability, Resilience & In		-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-
Equal Employment Opportunit		-	-	-	-	-	-	-
Office of the Chief Financial C		-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-
Engineering Services		36,512,072	-	35,933,009	-	-	579,063	36,512,072
Business Technology	Administrative Services	-	-	-	-	-	-	-
Business Technology	Information Technology	24,205,397	-	23,824,548	-	-	380,849	24,205,397
Water Resources Managemer	Resource Planning & Development	4,251,421	-	4,251,421	-	-	-	4,251,421
Water Resources Managemer	Resource Implementation	10,879,342	-	10,879,342	-	-	-	10,879,342
Water Resources Managemer	Office of the Group Manager	2,502,635	-	2,502,635	-	-	-	2,502,635
Ethics Office		-	-	-	-	-	-	-
Real Property		7,220,515	-	7,220,515	-	-	-	7,220,515
General Counsel		-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-
Total Departmental O&M	-	305,026,904	-	299,497,318	-	-	5,529,586	305,026,904
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M		110,115,149	-	110,115,149	-	-	-	110,115,149
Supply - Capital		80,437,139	-	80,437,139	-	-	-	80,437,139
Power - O&M & Off-Aq Capital		248,537,194	-	-	-	248,537,194	-	248,537,194
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		60,506,317	5,041,755	29,657,383	25,807,178	-	-	60,506,317
Transmission - O&M - Commodity only		194,057,356	-	194,057,356	-	-	-	194,057,356
Delta Conveyance - Other		10,000,000	833,261	4,901,535	4,265,204	-	-	10,000,000
Total State Water Contract		703,653,155	5,875,016	419,168,562	30,072,382	248,537,194	-	703,653,155
Colorado River Aqueduct Power Costs		105,857,041	-	-	-	105,857,041	-	105,857,041
Supply Programs (cash funded portion)		66,659,522	-	66,659,522	-	-	-	66,659,522
Demand Management (cash funded portion)								
Local Resources Program		22,175,417	-	22,175,417	-	-	-	22,175,417
Future Supply Actions & Stormwater Pilot		3,639,900	-	3,639,900	-	-	-	3,639,900
Conservation Program (cash funded portion)		25,000,000	-	25,000,000	-	-	-	25,000,000
Total Demand Management Costs		50,815,317	-	50,815,317	-	-	-	50,815,317
Capital Financing								
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		266,127,113	48,877,173	113,293,022	99,736,275	-	4,220,643	266,127,113
G.O. Bond Debt Service		1,968,750	649,247	732,013	587,490	-	-	1,968,750
Debt Administration		2,621,297	481,430	1,115,913	982,382	-	41,572	2,621,297
Bond Defeasance		-	-	-	-	-	-	-
PAYGO		126,832,500	23,294,185	53,993,887	47,532,929	-	2,011,500	126,832,500
Total Capital Financing Costs		397,549,660	73,302,035	169,134,834	148,839,076	-	6,273,715	397,549,660
Regional Recycled Water Program planning costs		-	-	-	-	-	-	-
Other Operating Costs								
Operating Equipment		6,763,723	-	6,529,271	128,032	-	106,421	6,763,723
Succession Planning Labor Pool		3,599,684	-	3,474,908	68,139	-	56,638	3,599,684
OPEB/PERS Pre-Funding		-	-	-	-	-	-	-
Total Other Operating Costs		10,363,408	-	10,004,179	196,171	-	163,059	10,363,408
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-
Total General District Requirements		1,334,898,103	79,177,051	715,782,414	179,107,629	354,394,235	6,436,774	1,334,898,103
REQUIREMENTS BEFORE OFFSETS:		1,639,925,007	79,177,051	1,015,279,733	179,107,629	354,394,235	11,966,359	1,639,925,007
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service		564,249	47,017	276,569	240,664	-	-	564,249
Property Taxes - MWD GO Debt Service		1,968,750	494,766	588,975	885,009	-	-	1,968,750
Interest on Investments		5,600,376	575,782	2,843,303	988,209	1,151,121	41,961	5,600,376
Hydro-Power Revenue		12,611,274	-	-	-	-	12,611,274	12,611,274
CRA Power Revenue		3,376,627	-	-	-	3,376,627	-	3,376,627
Wadsworth Pumping Plant (DVL) Power Revenue		679,733	-	-	-	679,733	-	679,733
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease)		5,930,280	-	5,930,280	-	-	-	5,930,280
Property Taxes - SWC		160,551,544	1,175,395	96,578,960	6,016,483	56,780,706	-	160,551,544
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-
Total Revenue Offsets		191,282,833	2,292,960	106,218,086	8,130,365	61,988,187	12,653,235	191,282,833
NET REVENUE REQUIREMENTS:		\$ 1,448,642,173	\$ 76,884,091	\$ 909,061,647	\$ 170,977,264	\$ 292,406,048	\$ (686,876)	\$ 1,448,642,173

A&G Cost Allocation Percentages
(Carried to COS Schedule E-a for A&G allocation)
Fiscal Year 2023

		A&G Line Item Allocators by Allocation Category						Total
		Fixed			Variable Commodity	Demand Management	Hydro-Electric	
		Demand	Commodity	Standby				
Departmental O&M								
Group	Item							
Office of General Manager		0.00%	1.61%	0.00%	0.00%		0.03%	1.63%
Office of General Manager	Board of Directors	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Bay Delta Initiatives	Bay Delta Initiatives	0.00%	1.81%	0.00%	0.00%	0.00%	0.00%	1.81%
External Affairs	Legislative Services	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
External Affairs	Media Communications Services	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
External Affairs	Manager, External Affairs/Special Projects	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
External Affairs	Conservation & Community Services	0.00%	0.63%	0.00%	0.00%	0.00%	0.00%	0.63%
Human Resources		0.00%	2.80%	0.00%	0.00%	0.00%	0.04%	2.84%
Water Systems Operations	Office of the Manager	0.00%	2.49%	0.00%	0.00%	0.00%	0.06%	2.55%
Water Systems Operations	Office of the Manager, Conveyance & Distr	0.00%	0.27%	0.00%	0.00%	0.00%	0.00%	0.27%
Water Systems Operations	Office of the Manager, Treatment Section	0.00%	0.14%	0.00%	0.00%	0.00%	0.00%	0.14%
Water Systems Operations	Office of the Manager, Operations Support	0.00%	0.50%	0.00%	0.00%	0.00%	0.01%	0.51%
Water Systems Operations	Operations Support Services	0.00%	2.22%	0.00%	0.00%	0.00%	0.04%	2.26%
Water Systems Operations	Desert Region / C&D CRA	0.00%	8.87%	0.00%	0.00%	0.00%	0.00%	8.87%
Water Systems Operations	System Operations Unit	0.00%	2.52%	0.00%	0.00%	0.00%	0.00%	2.52%
Water Systems Operations	Power Operations and Planning	0.00%	0.70%	0.00%	0.00%	0.00%	0.26%	0.96%
Water Systems Operations	Operations Planning & Programs Unit	0.00%	0.66%	0.00%	0.00%	0.00%	0.00%	0.66%
Water Systems Operations	Treatment Jensen	0.00%	3.88%	0.00%	0.00%	0.00%	0.00%	3.88%
Water Systems Operations	Treatment Diemer	0.00%	3.72%	0.00%	0.00%	0.00%	0.00%	3.72%
Water Systems Operations	Treatment Mills	0.00%	3.53%	0.00%	0.00%	0.00%	0.00%	3.53%
Water Systems Operations	Treatment Skinner	0.00%	3.46%	0.00%	0.00%	0.00%	0.00%	3.46%
Water Systems Operations	Treatment Weymouth	0.00%	4.04%	0.00%	0.00%	0.00%	0.00%	4.04%
Water Systems Operations	Water Quality Section	0.00%	7.42%	0.00%	0.00%	0.00%	0.00%	7.42%
Water Systems Operations	C&D, Eastern Unit	0.00%	4.60%	0.00%	0.00%	0.00%	0.13%	4.73%
Water Systems Operations	C&D, Western Unit	0.00%	3.81%	0.00%	0.00%	0.00%	0.13%	3.94%
Water Systems Operations	OSS, Manufacturing Services Unit	0.00%	2.37%	0.00%	0.00%	0.00%	0.03%	2.39%
Water Systems Operations	Environmental Health & Safety Section	0.00%	3.95%	0.00%	0.00%	0.00%	0.01%	3.96%
Water Systems Operations	OSS, Fleet Services Unit	0.00%	2.29%	0.00%	0.00%	0.00%	0.00%	2.29%
Water Systems Operations	OSS, Power Support Unit	0.00%	1.92%	0.00%	0.00%	0.00%	0.76%	2.68%
Water Systems Operations	Office of the Manager, Operations & Plann	0.00%	0.22%	0.00%	0.00%	0.00%	0.01%	0.23%
Water Systems Operations	Security Team & Security Management	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Sustainability, Resilience & Innovatic		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Diversity, Equity & Inclusion		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Equal Employment Opportunity		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Office of the Chief Financial Officer		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Business Technology	Office of Manager	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Engineering Services		0.00%	11.78%	0.00%	0.00%	0.00%	0.19%	11.97%
Business Technology	Administrative Services	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Business Technology	Information Technology	0.00%	7.81%	0.00%	0.00%	0.00%	0.12%	7.94%
Water Resources Management	Resource Planning & Development	0.00%	1.39%	0.00%	0.00%	0.00%	0.00%	1.39%
Water Resources Management	Resource Implementation	0.00%	3.57%	0.00%	0.00%	0.00%	0.00%	3.57%
Water Resources Management	Office of the Group Manager	0.00%	0.82%	0.00%	0.00%	0.00%	0.00%	0.82%
Ethics Office		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Real Property		0.00%	2.37%	0.00%	0.00%	0.00%	0.00%	2.37%
General Counsel		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
General Auditor		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total Departmental O&M	-	0.00%	98.19%	0.00%	0.00%	0.00%	1.81%	100.00%
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M		0.00%	8.25%	0.00%	0.00%	0.00%	0.00%	8.25%
Supply - Capital		0.00%	6.03%	0.00%	0.00%	0.00%	0.00%	6.03%
Power - O&M & Off-Aq Capital		0.00%	0.00%	0.00%	18.62%	0.00%	0.00%	18.62%
Power - Capital (less Off-Aq)		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Transmission - Capital - Commodity, Demand, & Standby		0.38%	2.22%	1.93%	0.00%	0.00%	0.00%	4.53%
Transmission - O&M - Commodity only		0.00%	14.54%	0.00%	0.00%	0.00%	0.00%	14.54%
Delta Conveyance - Other		0.06%	0.37%	0.32%	0.00%	0.00%	0.00%	0.75%
Total State Water Contract		0.44%	31.40%	2.25%	18.62%	0.00%	0.00%	52.71%
Colorado River Aqueduct Power Costs		0.00%	0.00%	0.00%	7.93%	0.00%	0.00%	7.93%
Supply Programs (cash funded portion)		0.00%	4.99%	0.00%	0.00%	0.00%	0.00%	4.99%
Demand Management (cash funded portion)								
Local Resources Program		0.00%	1.66%	0.00%	0.00%	0.00%	0.00%	1.66%
Future Supply Actions & Stormwater Pilot		0.00%	0.27%	0.00%	0.00%	0.00%	0.00%	0.27%
Conservation Program (cash funded portion)		0.00%	1.87%	0.00%	0.00%	0.00%	0.00%	1.87%
Total Demand Management Costs		0.00%	3.81%	0.00%	0.00%	0.00%	0.00%	3.81%
Capital Financing								
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		3.66%	8.49%	7.47%	0.00%	0.00%	0.32%	19.94%
G.O. Bond Debt Service		0.05%	0.05%	0.04%	0.00%	0.00%	0.00%	0.15%
Debt Administration		0.04%	0.08%	0.07%	0.00%	0.00%	0.00%	0.20%
Bond Defeasance		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
PAYGO		1.75%	4.04%	3.56%	0.00%	0.00%	0.15%	9.50%
Total Capital Financing Costs		5.49%	12.67%	11.15%	0.00%	0.00%	0.47%	29.78%
Regional Recycled Water Program planning costs		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other Operating Costs		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Operating Equipment		0.00%	0.49%	0.01%	0.00%	0.00%	0.01%	0.51%
Succession Planning Labor Pool		0.00%	0.26%	0.01%	0.00%	0.00%	0.00%	0.27%
OPEB/PERS Pre-Funding		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total Other Operating Costs		0.00%	0.75%	0.01%	0.00%	0.00%	0.01%	0.78%
Increase/(Decrease) in Required Reserves		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total General District Requirements		5.93%	53.62%	13.42%	26.55%	0.00%	0.48%	100.00%
REQUIREMENTS BEFORE OFFSETS:		4.83%	61.91%	10.92%	21.61%	0.00%	0.73%	100.00%

Functionalization of A&G Costs
Summary of Allocation Results before Inclusion of Administrative and General Costs
Fiscal Year Ending 2023

Functional Categories	Functional Costs Allocated for FY 2023	Allocation Categories (Costs Exclude Administrative and General)						Total Allocated Excluding A&G
		Fixed			Variable Commodity	Hydro-Electric		
		Demand	Commodity	Standby				
Source of Supply								
CRA	\$ 56,762,382.01	\$ -	\$ 56,762,382	\$ -	\$ -	\$ -	\$ -	\$ 56,762,382
SWP	156,492,949	-	156,492,949	-	-	-	-	156,492,949
Other Supply	32,812,835	-	32,812,835	-	-	-	-	32,812,835
Subtotal: Source of Supply	246,068,166	-	246,068,166	-	-	-	-	246,068,166
Conveyance & Aqueduct								
CRA								
CRA Power	114,028,912	-	11,923,715	-	102,105,197	-	-	114,028,912
CRA All Other	68,570,768	1,072,878	62,006,160	5,491,730	-	-	-	68,570,768
SWP	-	-	-	-	-	-	-	-
SWP Power	185,999,280	-	-	-	185,999,280	-	-	185,999,280
SWP All Other	234,914,644	4,574,091	206,927,200	23,413,353	-	-	-	234,914,644
Other Conveyance & Aqueduct	71,508,116	5,034,193	39,535,658	26,938,264	-	-	-	71,508,116
Subtotal: Conveyance & Aqueduct	675,021,719	10,681,163	320,392,734	55,843,346	288,104,476	-	-	675,021,719
Storage								
Storage Costs Other Than Power								
Emergency	55,951,622	-	8,102,451	47,849,171	-	-	-	55,951,622
Drought	53,141,677	-	53,141,677	-	-	-	-	53,141,677
Regulatory	27,248,026	7,684,107	13,447,793	6,116,127	-	-	-	27,248,026
Storage Power	(679,733)	-	-	-	(679,733)	-	-	(679,733)
Subtotal: Storage	135,661,592	7,684,107	74,691,921	53,965,297	(679,733)	-	-	135,661,592
Treatment								
Jensen	52,637,404	6,958,140	31,057,548	8,620,165	6,001,550	-	-	52,637,404
Weymouth	53,763,068	7,316,208	31,435,666	9,063,786	5,947,408	-	-	53,763,068
Diemer	60,333,611	8,826,225	32,860,335	10,934,558	7,712,493	-	-	60,333,611
Mills	30,525,772	2,337,376	22,680,862	2,895,492	2,612,043	-	-	30,525,772
Skinner	51,453,692	7,504,781	29,714,202	9,297,457	4,937,252	-	-	51,453,692
Subtotal: Treatment	248,713,547	32,942,731	147,748,613	40,811,458	27,210,746	-	-	248,713,547
Distribution	197,734,332	25,576,091	151,801,079	20,357,163	-	-	-	197,734,332
Demand Management	62,956,911	-	62,956,911	-	-	-	-	62,956,911
Hydro-Electric	518,358	-	-	-	-	518,358	-	518,358
Total Costs Allocated	\$ 1,566,674,624	\$ 76,884,091	\$ 1,003,659,423	\$ 170,977,264	\$ 314,635,489	\$ 518,358	\$ -	\$ 1,566,674,624
A&G Costs to be Functionalized		\$ 431,032	\$ 159,417,134	\$ 975,043,346	\$ 1,929,285	\$ 2,906,399	\$ -	\$ 165,658,893

Percentages Used for Functionalization of A&G Costs

Allocation Categories				
Fixed			Variable	Hydro-Electric
Demand	Commodity	Standby	Commodity	
0.0%	5.7%	0.0%	0.0%	0.0%
0.0%	15.6%	0.0%	0.0%	0.0%
0.0%	3.3%	0.0%	0.0%	0.0%
0.0%	24.5%	0.0%	0.0%	0.0%
0.0%	1.2%	0.0%	32.5%	0.0%
1.4%	6.2%	3.2%	0.0%	0.0%
0.0%	0.0%	0.0%	0.0%	0.0%
0.0%	0.0%	0.0%	59.1%	0.0%
5.9%	20.6%	13.7%	0.0%	0.0%
6.5%	3.9%	15.8%	0.0%	0.0%
13.9%	31.9%	32.7%	91.6%	0.0%
0.0%	0.8%	28.0%	0.0%	0.0%
0.0%	5.3%	0.0%	0.0%	0.0%
10.0%	1.3%	3.6%	0.0%	0.0%
0.0%	0.0%	0.0%	-0.2%	0.0%
10.0%	7.4%	31.6%	-0.2%	0.0%
9.1%	3.1%	5.0%	1.9%	0.0%
9.5%	3.1%	5.3%	1.9%	0.0%
11.5%	3.3%	6.4%	2.5%	0.0%
3.0%	2.3%	1.7%	0.8%	0.0%
9.8%	3.0%	5.4%	1.6%	0.0%
42.8%	14.7%	23.9%	8.6%	0.0%
33.3%	15.1%	11.9%	0.0%	0.0%
0.0%	6.3%	0.0%	0.0%	0.0%
0.0%	0.0%	0.0%	0.0%	100.0%
100.0%	100.0%	100.0%	100.0%	100.0%

Administrative and General Costs Redistributed Among Functional Categories

Administrative and General Costs by Allocation Categories						Total A&G Costs Allocated	Functional Categories
Demand	Fixed Commodity	Standby	Variable Commodity	Hydro-Electric			
\$ -	\$ 9,015,903	\$ -	\$ -	\$ -	\$ 9,015,903	Source of Supply	
-	24,856,696	-	-	-	24,856,696	CRA	
-	5,211,856	-	-	-	5,211,856	SWP	
-	39,084,455	-	-	-	39,084,455	Other Supply	
						Subtotal: Source of Supply	
						Conveyance & Aqueduct	
-	1,893,914	-	626,090	-	2,520,004	CRA	
6,015	9,848,803	31,318	-	-	9,886,136		
-	-	-	-	-	-	SWP	
-	-	-	1,140,512	-	1,140,512		
25,644	32,867,465	133,521	-	-	33,026,630		
28,223	6,279,681	153,623	-	-	6,461,527	Other Conveyance & Aqueduct	
59,881	50,889,864	318,462	1,766,602	-	53,034,809	Subtotal: Conveyance & Aqueduct	
						Storage	
-	1,286,960	272,873	-	-	1,559,833	Storage Costs Other Than Power	
-	8,440,805	-	-	-	8,440,805		
43,079	2,135,992	34,879	-	-	2,213,950		
-	-	-	(4,168)	-	(4,168)	Storage Power	
43,079	11,863,758	307,751	(4,168)	-	12,210,420	Subtotal: Storage	
						Treatment	
39,009	4,933,053	49,159	36,800	-	5,058,021	Jensen	
41,017	4,993,112	51,689	36,468	-	5,122,285	Weymouth	
49,482	5,219,400	62,357	47,292	-	5,378,531	Diemer	
13,104	3,602,535	16,512	16,017	-	3,648,168	Mills	
42,074	4,719,682	53,021	30,274	-	4,845,051	Skinner	
184,685	23,467,782	232,738	166,851	-	24,052,057	Subtotal: Treatment	
						Distribution	
143,386	24,111,459	116,092	-	-	24,370,937		
-	9,999,817	-	-	-	9,999,817	Demand Management	
-	-	-	-	2,906,399	2,906,399	Hydro-Electric	
\$ 431,032	\$ 159,417,134	\$ 975,043	\$ 1,929,285	\$ 2,906,399	\$ 165,658,893	Total Costs Allocated	

Summary of Functionalization Percentages
Fiscal Year Ending 2023

	Source of Supply	Conveyance & Aqueduct	Storage	Water Quality	Treatment	Distribution	Demand Management	Hydro-Electric	Administrative & General	Total Allocated
Departmental Operations & Maintenance										
Office of General Manager	5%	12%	2%	0%	19%	16%	1%	1%	43%	100%
Water Systems Operations	5%	17%	1%	0%	40%	33%	0%	2%	2%	100%
Water Resources Management	70%	0%	0%	0%	0%	2%	27%	0%	0%	100%
Engineering Services	4%	22%	24%	0%	25%	18%	0%	1%	6%	100%
Bay Delta Initiatives	0%	100%	0%	0%	0%	0%	0%	0%	0%	100%
Business Technology	4%	9%	2%	0%	14%	12%	1%	1%	57%	100%
Real Property	6%	33%	8%	0%	0%	12%	0%	0%	41%	100%
Human Resources	7%	15%	3%	0%	24%	20%	2%	1%	28%	100%
Office of the Chief Financial Officer	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%
External Affairs	0%	0%	0%	0%	0%	0%	10%	0%	90%	100%
General Counsel	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%
General Auditor	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%
Ethics Office	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%
Sustainability, Resilience & Innovation	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%
Diversity, Equity & Inclusion	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%
Equal Employment Opportunity	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%
Total Departmental O&M	7%	15%	3%	0%	24%	20%	2%	1%	28%	100%
General District Requirements										
State Water Contract*	27%	73%	0%	0%	0%	0%	0%	0%	0%	100%
Colorado River Aqueduct Power Costs	0%	100%	0%	0%	0%	0%	0%	0%	0%	100%
Supply Programs (cash funded portion)	73%	0%	27%	0%	0%	0%	0%	0%	0%	100%
Demand Management (cash funded portion)	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%
Capital Financing	4%	21%	24%	0%	25%	18%	0%	1%	6%	100%
Regional Recycled Water Program planning costs	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other Operating Costs	7%	15%	3%	0%	24%	20%	2%	1%	28%	100%
Increase/(Decrease) in Required Reserves	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%
Total General District Requirements	19%	52%	9%	0%	8%	6%	4%	0%	3%	100%
Revenue Offsets	22%	52%	0%	0%	1%	1%	0%	5%	19%	100%
Net Revenue Requirements	14%	39%	8%	0%	14%	11%	4%	0%	10%	100%

* Includes Delta Conveyance planning costs

Cost Allocation Summary (by budget line item)

Fiscal Year Ending 2023

	Allocation Categories						Total Allocated
	Fixed			Variable	Other	Hydro-Electric	
	Demand	Commodity	Standby	Commodity			
Departmental Operations & Maintenance							
Office of General Manager	\$ -	\$ 8,237,032	\$ -	\$ -	\$ -	\$ 131,674	\$ 8,368,706
Water Systems Operations	-	345,926,234	-	27,210,746	-	7,558,709	380,695,689
Water Resources Management	-	34,575,126	-	-	-	-	34,575,126
Engineering Services	-	64,933,081	-	-	-	1,046,402	65,979,482
Bay Delta Initiatives	-	15,071,976	-	-	-	-	15,071,976
Business Technology	-	47,843,329	-	-	-	764,804	48,608,133
Real Property	-	21,314,016	-	-	-	-	21,314,016
Human Resources	-	15,751,716	-	-	-	251,800	16,003,516
Office of the Chief Financial Officer	-	-	-	-	-	-	-
External Affairs	-	3,936,422	-	-	-	-	3,936,422
General Counsel	-	-	-	-	-	-	-
General Auditor	-	-	-	-	-	-	-
Ethics Office	-	-	-	-	-	-	-
Sustainability, Resilience & Innovation	-	-	-	-	-	-	-
Diversity, Equity & Inclusion	-	-	-	-	-	-	-
Equal Employment Opportunity	-	-	-	-	-	-	-
Total Departmental O&M <i>(including Administrative and General)</i>	-	557,588,932	-	27,210,746	-	9,753,388	594,553,066
General District Requirements							
State Water Contract	6,063,406	432,609,761	31,036,693	251,525,565	-	-	721,235,426
Colorado River Aqueduct Power Costs	-	-	-	109,251,488	-	-	109,251,488
Supply Programs (cash funded portion)	-	68,797,048	-	-	-	-	68,797,048
Demand Management (cash funded portion)	-	52,444,778	-	-	-	-	52,444,778
Capital Financing	75,652,562	174,558,368	153,611,799	-	-	6,474,890	410,297,620
Regional Recycled Water Program planning costs	-	-	-	-	-	-	-
Other Operating Costs	-	10,324,976	202,461	-	-	168,287	10,695,724
Increase/(Decrease) in Required Reserves	-	-	-	-	Other	-	-
Total General District Requirements <i>(including Administrative and General)</i>	81,715,969	738,734,932	184,850,954	360,777,053	-	6,643,178	1,372,722,085
Revenue Offsets	(4,400,846)	(133,247,307)	(12,898,646)	(71,423,025)	-	(12,971,809)	(234,941,633)
Net Revenue Requirements	\$ 77,315,123	\$ 1,163,076,557	\$ 171,952,307	\$ 316,564,774	\$ -	\$ 3,424,757	\$ 1,732,333,518

* Includes Delta Conveyance planning costs

Revenue Requirement by sub-function and budget line item

Fiscal Year Ending 2023

Fiscal Year Ending 2023	Supply			Conveyance & Aqueduct					Storage				Treatment	Distribution	Demand Mgt.	Hydro	Total
	CRA	SWC	Other	CRA power	CRA other	SWC power	SWC other	Other C&A	Emergency	Drought	Regulatory	Power					
Dept. Operations & Maintenance	9,515,545	16,555,050	14,721,714	3,584,263	54,378,539	-	24,218,050	8,375,656	8,102,451	6,191,901	4,283,907	-	141,042,024	119,107,915	11,228,825	6,734,820	428,040,660
General District Requirements																	
State Water Contract*																	
Capital	-	80,437,139	-	-	-	(4,981,305)	70,506,317	-	-	-	-	-	-	-	-	-	145,962,151
O&M	-	110,115,149	-	-	-	248,537,194	194,057,356	-	-	-	-	-	-	-	-	-	552,709,699
Colorado River Aqueduct Power	-	-	-	105,857,041	-	-	-	-	-	-	-	-	-	-	-	-	105,857,041
Supply Programs	47,197,861	-	1,250,000	-	-	-	-	-	-	18,211,661	-	-	-	-	-	-	66,659,522
Demand Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50,815,317	-	50,815,317
Capital Financing Program	-	-	16,589,556	8,252,673	13,094,802	-	6,400,032	63,158,208	47,831,816	28,758,037	22,947,482	-	105,544,356	77,856,873	842,109	6,273,715	397,549,660
Regional Recycling Water Project	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Operating Costs	230,383	400,819	356,431	86,780	1,316,573	-	586,350	202,785	196,171	149,914	103,719	-	3,414,806	2,883,754	271,864	163,059	10,363,408
Revenue Offsets	(181,407)	(51,015,208)	(104,867)	(3,751,844)	(219,146)	(57,556,609)	(60,853,461)	(228,534)	(178,816)	(169,836)	(87,082)	(679,733)	(1,287,639)	(2,114,210)	(201,205)	(12,653,235)	(191,282,833)
Admin. & General	9,015,903	24,856,696	5,211,856	2,520,004	9,886,136	1,140,512	33,026,630	6,461,527	1,559,833	8,440,805	2,213,950	(4,168)	24,052,057	24,370,937	9,999,817	2,906,399	165,658,893
Net Revenue Requirement	65,778,285	181,349,645	38,024,691	116,548,916	78,456,904	187,139,792	267,941,274	77,969,643	57,511,455	61,582,482	29,461,976	(683,901)	272,765,603	222,105,269	72,956,728	3,424,757	1,732,333,518

* Includes Delta Conveyance planning costs

Fiscal Year Ending 2023	Supply			Conveyance & Aqueduct					Storage				Treatment	Distribution	Demand Mgt.	Hydro	Total
	CRA	SWC	Other	CRA power	CRA other	SWC power	SWC other	Other C&A	Emergency	Drought	Regulatory	Power					
Fixed Demand																	
engineering factors	-	-	-	0.0%	8.3%	0.0%	8.3%	8.3%	0.0%	0.0%	33.5%	0.0%	31.4%	33.5%	-	-	-
SWC Capital	-	-	-	-	-	-	5,875,016	-	-	-	-	-	-	-	-	-	5,875,016
Capital Financing	-	-	-	-	1,091,139	-	533,290	5,262,727	-	-	7,684,107	-	33,193,206	26,070,857	-	-	73,835,324
Regional Recycling Water Project	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A&G less Offsets	-	-	-	-	(12,246)	-	(1,808,571)	(200,311)	-	-	43,079	-	(65,790)	(351,380)	-	-	(2,395,218)
Total fixed demand	-	-	-	-	1,078,893	-	4,599,735	5,062,416	-	-	7,727,186	-	33,127,416	25,719,477	-	-	77,315,123
Fixed Commodity																	
engineering factors	100%	100%	100%	100%	49.0%	0%	49.0%	49.0%	0%	100%	39.9%	0%	29.1%	39.9%	1	-	-
Capital Financing	-	-	16,589,556	8,252,673	6,418,463	-	3,136,998	30,957,217	-	28,758,037	9,147,249	-	30,734,450	31,035,048	842,109	-	165,871,800
Regional Recycling Water Project	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWC Capital	-	80,437,139	-	-	-	-	34,558,918	-	-	-	-	-	-	-	-	-	114,996,057
SWC O&M	-	110,115,149	-	-	-	-	194,057,356	-	-	-	-	-	-	-	-	-	304,172,505
Dept. O&M	9,515,545	16,555,050	14,721,714	3,584,263	54,378,539	-	24,218,050	8,375,656	8,102,451	6,191,901	4,283,907	-	108,577,733	119,107,915	11,228,825	-	388,841,549
Supply Programs	47,197,861	-	1,250,000	-	-	-	-	-	-	18,211,661	-	-	-	-	-	-	66,659,522
Demand Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50,815,317	-	50,815,317
Other Operating Costs	230,383	400,819	356,431	86,780	1,316,573	-	586,350	202,785	196,171	149,914	103,719	-	3,414,806	2,883,754	271,864	-	10,200,349
A&G less Offsets	8,834,496	(26,158,512)	5,106,989	1,893,914	9,741,388	-	(16,763,007)	6,279,681	1,090,789	8,270,969	2,048,910	-	28,489,405	22,885,821	9,798,612	-	61,519,457
Total fixed commodity	65,778,285	181,349,645	38,024,691	13,817,629	71,854,963	-	239,794,665	45,815,340	9,389,412	61,582,482	15,583,785	-	171,216,394	175,912,538	72,956,728	-	1,163,076,557
Fixed Standby																	
engineering factors	-	-	-	0%	43%	0%	42.7%	42.7%	100%	0%	26.7%	0%	39.4%	26.7%	-	-	-
SWC Capital	-	-	-	-	-	-	30,072,382	-	-	-	-	-	-	-	-	-	30,072,382
Capital Financing	-	-	-	-	5,585,200	-	2,729,744	26,938,264	47,831,816	-	6,116,127	-	41,616,700	20,750,969	-	-	151,568,820
Regional Recycling Water Project	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A&G less Offsets	-	-	-	-	(62,152)	-	(9,255,253)	153,623	290,227	-	34,879	-	(572,504)	(277,714)	-	-	(9,688,895)
Total fixed standby	-	-	-	-	5,523,048	-	23,546,873	27,091,887	48,122,043	-	6,151,005	-	41,044,196	20,473,255	-	-	171,952,307
Variable Commodity																	
SWC Power	-	-	-	-	-	243,555,889	-	-	-	-	-	-	-	-	-	-	243,555,889
CRA Power	-	-	-	105,857,041	-	-	-	-	-	-	-	-	-	-	-	-	105,857,041
Variable Treatment	-	-	-	-	-	-	-	-	-	-	-	-	32,464,291	-	-	-	32,464,291
A&G less Offsets	-	-	-	(3,125,754)	-	(56,416,097)	-	-	-	-	-	(683,901)	(5,086,694)	-	-	-	(65,312,447)
Total variable commodity	-	-	-	102,731,286	-	187,139,792	-	-	-	-	-	(683,901)	27,377,597	-	-	-	316,564,774
Hydroelectric																	
A&G less Offsets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13,171,594 (9,746,837)	13,171,594 (9,746,837)
Total hydroelectric	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,424,757	3,424,757
Total Costs	65,778,285	181,349,645	38,024,691	116,548,916	78,456,904	187,139,792	267,941,274	77,969,643	57,511,455	61,582,482	29,461,976	(683,901)	272,765,603	222,105,269	72,956,728	3,424,757	1,732,333,518

Revenue Requirements
Fiscal Year Ending 2024

		1	2	3	4	5	6	
		Labor And Labor Additive	Outside Services	Utilities	Chemicals	Other O&M	O&M Capitalization (pro-rated)	Projected Total To Be functionalized
Departmental O&M								
Group	Item							
Office of General Manager		7,145,080	1,000,000	-	-	226,300	(294,202)	8,077,178
Office of General Manager	Board of Directors	1,568,032	105,000	-	-	576,440	(79,055)	2,170,417
Bay Delta Initiatives	Bay Delta Initiatives	5,733,957	3,570,700	-	-	3,563,267	(452,228)	12,415,696
External Affairs	Legislative Services	4,176,907	1,340,500	5,250	-	1,091,368	(232,442)	6,381,583
External Affairs	Media Communications Services	5,249,177	351,599	-	-	544,255	(215,960)	5,929,071
External Affairs	Manager, External Affairs/Special Projects	6,885,886	377,195	-	-	2,935,073	(358,402)	9,839,752
External Affairs	Conservation & Community Services	3,970,034	1,154,500	-	-	1,091,960	(218,471)	5,998,023
Human Resources		12,551,381	1,935,692	-	-	2,012,460	(579,856)	15,919,677
Water Systems Operations	Office of the Manager	8,547,673	245,000	3,000,000	-	250,475	(423,242)	11,619,906
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	881,265	-	-	-	51,830	(32,793)	900,303
Water Systems Operations	Office of the Manager, Treatment Section	440,633	110,000	-	-	694,350	(43,753)	1,201,229
Water Systems Operations	Office of the Manager, Operations Support Services	1,728,275	329,500	6,500	-	275,150	(82,216)	2,257,209
Water Systems Operations	Operations Support Services	7,398,352	195,900	45,600	-	812,950	(297,064)	8,155,738
Water Systems Operations	Desert Region / C&D CRA	28,239,906	451,300	198,000	13,800	6,658,022	(1,249,750)	34,311,278
Water Systems Operations	System Operations Unit	7,944,926	69,700	66,580	-	1,934,787	(352,000)	9,663,993
Water Systems Operations	Power Operations and Planning	3,390,199	223,000	-	-	443,500	(142,568)	3,914,131
Water Systems Operations	Operations Planning & Programs Unit	2,119,586	-	-	-	146,988	(79,656)	2,186,918
Water Systems Operations	Treatment Jensen	12,270,232	342,000	1,998,206	5,688,524	954,880	(782,719)	20,471,122
Water Systems Operations	Treatment Diemer	11,786,758	223,600	3,217,571	6,663,578	562,550	(736,672)	21,717,385
Water Systems Operations	Treatment Mills	11,203,720	244,242	968,098	2,381,218	660,920	(552,017)	14,906,180
Water Systems Operations	Treatment Skinner	10,938,551	144,070	2,286,296	4,039,661	605,824	(626,019)	17,388,382
Water Systems Operations	Treatment Weymouth	12,757,349	113,000	1,739,769	5,900,353	583,850	(756,323)	20,337,998
Water Systems Operations	Water Quality Section	23,633,039	2,078,996	461,000	-	3,420,548	(1,040,031)	28,553,552
Water Systems Operations	C&D, Eastern Unit	15,564,426	2,757,700	1,963,099	-	2,438,705	(798,605)	21,925,325
Water Systems Operations	C&D, Western Unit	13,116,059	1,525,000	1,675,348	-	1,758,990	(635,168)	17,439,229
Water Systems Operations	OSS, Manufacturing Services Unit	8,160,099	226,750	255,350	-	547,950	(322,977)	9,867,172
Water Systems Operations	Environmental Health & Safety Section	13,142,365	1,355,984	1,400,000	-	1,538,754	(612,806)	16,824,297
Water Systems Operations	OSS, Fleet Services Unit	8,184,742	455,100	13,100	-	5,169,800	(485,784)	13,336,958
Water Systems Operations	OSS, Power Support Unit	8,618,175	319,000	60,000	-	861,800	(346,482)	9,512,493
Water Systems Operations	Office of the Manager, Operations & Planning Section	768,412	23,000	-	-	81,922	(30,692)	842,642
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-
Sustainability, Resilience & Innovation		6,418,226	2,930,000	-	-	334,574	(340,290)	9,342,510
Diversity, Equity & Inclusion		1,095,149	400,000	-	-	42,540	(54,040)	1,483,649
Equal Employment Opportunity		1,727,442	400,000	-	-	18,820	(75,428)	2,070,834
Office of the Chief Financial Officer		14,146,653	1,665,600	-	-	10,817,574	(935,873)	25,693,953
Business Technology	Office of Manager							
Engineering Services		40,277,580	5,835,600	85,000	-	3,160,400	(1,734,648)	47,623,932
Business Technology	Administrative Services	19,897,740	12,664,900	-	-	2,854,470	(1,244,692)	34,172,418
Business Technology	Information Technology	34,741,359	6,074,600	-	-	12,824,841	(1,885,141)	51,755,659
Water Resources Management	Resource Planning & Development	4,442,761	890,000	-	-	446,265	(203,097)	5,575,929
Water Resources Management	Resource Implementation	11,344,762	1,577,600	-	-	5,114,001	(633,866)	17,402,497
Water Resources Management	Office of the Group Manager	2,614,246	75,000	-	-	77,349	(97,229)	2,669,366
Ethics Office		1,883,922	270,369	-	-	80,460	(78,538)	2,156,213
Real Property		12,751,034	9,245,551	1,742,000	-	6,718,460	(1,070,376)	29,386,669
General Counsel		13,540,273	2,180,000	-	-	569,000	(572,467)	15,716,806
General Auditor		4,256,013	550,000	-	-	104,500	(172,574)	4,737,939
Total Departmental O&M		427,252,353	66,027,249	21,186,766	24,687,134	85,656,921	(21,958,211)	602,652,212
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M								107,000,290
Supply - Capital								85,494,959
Power - O&M & Off-Aq Capital								258,551,933
Power - Capital (less Off-Aq)								(3,654,765)
Transmission - Capital - Commodity, Demand, & Standby								80,660,127
Transmission - O&M - Commodity only								198,687,447
Delta Conveyance - Other								54,500,000
Total State Water Contract								781,239,991
Colorado River Aqueduct Power Costs								85,626,149
Supply Programs (cash funded portion)								64,100,985
Demand Management (cash funded portion)								
Local Resources Program								27,463,721
Future Supply Actions & Stormwater Pilot								2,422,500
Conservation Program (cash funded portion)								25,000,000
Total Demand Management Costs								54,886,221
Capital Financing								
Revenue Bond Debt Service net of BABs Interest Subsidy Payment								296,356,173
G.O. Bond Debt Service								1,965,750
Debt Administration								2,703,320
Bond Defeasance								-
PAYGO								135,000,000
Total Capital Financing Costs								436,025,242
Regional Recycled Water Program planning costs								-
Other Operating Costs								
Operating Equipment								8,836,761
Succession Planning Labor Pool								5,000,000
OPEB/PERS Pre-Funding								-
Total Other Operating Costs								13,836,761
Increase/(Decrease) in Required Reserves								(1,600,000)
Total General District Requirements								1,434,115,349
REQUIREMENTS BEFORE OFFSETS:								2,036,967,561
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service								36,010
Property Taxes - MWD GO Debt Service								1,965,750
Interest on Investments								9,165,313
Hydro-Power Revenue								10,710,879
CRA Power Revenue								2,989,504
Wadsworth Pumping Plant (DVL) Power Revenue								545,067
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)								27,575,443
Misc. allocated to supply (PVID Lease)								6,048,886
Property Taxes - SWC								166,313,250
Revenue Reserve used for Revenue Bonds - I&P								-
Annexation								-
Total Revenue Offsets								225,350,101
NET REVENUE REQUIREMENTS:								1,811,617,460

Functional Assignment Percentages
Fiscal Year Ending 2024

		Source of Supply			Conveyance & Aqueduct				Other Conv. & Aqueduct	Storage				Treatment					Distribution	Demand Management	Hydro- Electric	Administrative & General	Percentage Total		
		CRA	SWP	Other	CRA		SWP			Storage Costs Other Than Power			Power	Jensen	Weymouth	Diemer	Mills	Skinner							
					Power	All Other	Power	All Other		Emergency	Drought	Regulatory													
Letter Codes for Primary Functional Assignment Bases																									
a Direct Assignment																									
b Work in Process/Net Book Value																									
c Pro-Rating																									
d Branch Manager Analysis																									
e Prior-Year Results																									
f Other																									
Departmental O&M																									
Group	Item																								
Office of General Manager		c	Pro-rata by all other departmental costs	1.6%	2.8%	2.5%	0.6%	9.3%	0.0%	4.1%	1.3%	1.3%	1.0%	0.7%	0.0%	5.1%	5.1%	5.4%	3.9%	4.6%	20.2%	1.9%	1.1%	27.3%	100.00%
Office of General Manager	Board of Directors	a	100% A&G																					100.00%	
Bay Delta Initiatives	Bay Delta Initiatives	a	100% C&A							100.0%														100.00%	
External Affairs	Legislative Services	a	100% A&G																					100.00%	
External Affairs	Media Communications Services	a	100% A&G																					100.00%	
External Affairs	Manager, External Affairs/Special Projects	a	100% A&G																					100.00%	
External Affairs	Conservation & Community Services	d	Branch Manager Analysis																					50.0%	100.00%
Human Resources		c	Pro-rata by all other departmental costs	1.6%	2.8%	2.5%	0.6%	9.3%	0.0%	4.1%	1.3%	1.3%	1.0%	0.7%	0.0%	5.1%	5.1%	5.4%	3.9%	4.6%	20.2%	1.9%	1.1%	27.3%	100.00%
Water Systems Operations	Office of the Manager	c	Pro-rata by all other WSO dir. Labor	1.9%	1.9%	1.9%	0.9%	15.9%	0.0%	1.0%	0.0%	0.3%	0.3%	0.3%	0.0%	7.2%	7.4%	7.0%	6.8%	6.7%	32.2%	0.0%	2.1%	6.4%	100.00%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Se	c	Pro-rata by all other C&D dir. Labor	0.0%	0.0%	0.0%	0.0%	51.0%	0.0%	3.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	41.7%	0.0%	1.4%	2.3%	100.00%
Water Systems Operations	Office of the Manager, Treatment Section	c	Pro-rata by direct field treatment costs	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	18.1%	18.8%	17.4%	16.5%	16.1%	13.1%	0.0%	0.0%	0.0%	100.00%
Water Systems Operations	Office of the Manager, Operations Support Services	c	Pro-rata by all other WSO dir. Labor	1.9%	1.9%	1.9%	0.9%	15.9%	0.0%	1.0%	0.0%	0.3%	0.3%	0.3%	0.0%	7.2%	7.4%	7.0%	6.8%	6.7%	32.2%	0.0%	2.1%	6.4%	100.00%
Water Systems Operations	Operations Support Services	e	By Actual Appropriation Cost					2.6%								1.2%	1.2%	1.2%	1.2%	1.2%	86.0%		1.5%	3.6%	100.00%
Water Systems Operations	Desert Region / C&D CRA	a	100% C&A					100.0%																100.00%	
Water Systems Operations	System Operations Unit	a	100% Distribution																		100.0%			100.00%	
Water Systems Operations	Power Operations and Planning	e	By Actual Appropriation Cost																			24.4%		9.5%	100.00%
Water Systems Operations	Operations Planning & Programs Unit	a	100% supply	33.3%	33.3%	33.3%		32.6%																100.00%	
Water Systems Operations	Treatment Jensen	d	Branch Manager Analysis													86.9%								100.00%	
Water Systems Operations	Treatment Diemer	d	Branch Manager Analysis															86.9%						100.00%	
Water Systems Operations	Treatment Mills	d	Branch Manager Analysis																86.9%					100.00%	
Water Systems Operations	Treatment Skinner	d	Branch Manager Analysis																	86.9%				100.00%	
Water Systems Operations	Treatment Weymouth	d	Branch Manager Analysis																					100.00%	
Water Systems Operations	Water Quality Section	d	Branch Manager Analysis																					100.00%	
Water Systems Operations	C&D, Eastern Unit	e	By Actual Appropriation Cost	13.4%	13.4%	13.4%		5.0%		10.3%					10.4%	10.4%	10.4%	10.4%	10.4%		77.8%		2.6%	4.2%	100.00%
Water Systems Operations	C&D, Western Unit	e	By Actual Appropriation Cost					0.0%		3.3%											88.4%		3.1%	5.2%	100.00%
Water Systems Operations	OSS, Manufacturing Services Unit	e	By Actual Appropriation Cost					4.8%								1.7%	1.7%	1.7%	1.7%	1.7%	79.0%		1.0%	6.7%	100.00%
Water Systems Operations	Environmental Health & Safety Section	e	By Actual Appropriation Cost					15.3%								8.0%	8.0%	8.0%	8.0%	8.0%	39.6%		0.3%	4.7%	100.00%
Water Systems Operations	OSS, Fleet Services Unit	d	Branch Manager Analysis					14.4%								4.3%	4.3%	4.3%	4.3%	4.3%	52.9%		0.0%	11.0%	100.00%
Water Systems Operations	OSS, Power Support Unit	e	By Actual Appropriation Cost				9.1%									3.1%	3.1%	3.1%	3.1%	3.1%	46.2%		28.0%	1.5%	100.00%
Water Systems Operations	Office of the Manager, Operations & Planning Section	c	Pro-rata by all other WSO dir. Labor	1.9%	1.9%	1.9%	0.9%	15.9%	0.0%	1.0%	0.0%	0.3%	0.3%	0.3%	0.0%	7.2%	7.4%	7.0%	6.8%	6.7%	32.2%	0.0%	2.1%	6.4%	100.00%
Water Systems Operations	Security Team & Security Management	b	NBV	0.0%	0.0%	4.0%	2.1%	3.1%	0.0%	1.5%	14.8%	11.2%	6.8%	5.5%	0.0%	5.3%	5.5%	6.7%	1.7%	5.5%	18.6%	0.2%	1.4%	6.2%	100.00%
Sustainability, Resilience & Innov		a	100% A&G																					100.00%	
Diversity, Equity & Inclusion		a	100% A&G																					100.00%	
Equal Employment Opportunity		a	100% A&G																					100.00%	
Office of the Chief Financial Office		a	100% A&G																					100.00%	
Business Technology	Office of Manager	a	100% A&G																					100.00%	
Engineering Services		b	NBV/WIP	0.0%	0.0%	4.0%	2.1%	3.1%	0.0%	1.5%	14.8%	11.2%	6.8%	5.5%	0.0%	5.3%	5.5%	6.7%	1.7%	5.5%	18.6%	0.2%	1.4%	6.2%	100.00%
Business Technology	Administrative Services	a	100% A&G																					100.00%	
Business Technology	Information Technology	c	Pro-rata by all other departmental costs	1.6%	2.8%	2.5%	0.6%	9.3%	0.0%	4.1%	1.3%	1.3%	1.0%	0.7%	0.0%	5.1%	5.1%	5.4%	3.9%	4.6%	20.2%	1.9%	1.1%	27.3%	100.00%
Water Resources Management	Resource Planning & Development	e	By Actual Appropriation Cost													0.0%	0.0%	0.0%	0.0%	0.0%	7.6%		5.7%	0.0%	100.00%
Water Resources Management	Resource Implementation	e	By Actual Appropriation Cost	15.1%	45.4%	4.4%				0.3%						4.3%	4.3%	4.3%	4.3%	4.3%	0.0%			0.2%	100.00%
Water Resources Management	Office of the Group Manager	c	Prorated by other WRM costs	11.4%	34.4%	24.4%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%			0.2%	100.00%
Ethics Office		a	100% A&G																					100.00%	
Real Property		d	Branch Manager Analysis	2.3%	3.9%	0.0%	0.0%	14.2%	0.0%	18.4%	0.0%	2.6%	4.5%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	12.3%	0.0%	0.0%	40.8%	100.00%
General Counsel		a	100% A&G																					100.00%	
General Auditor		a	100% A&G																					100.00%	
Total Departmental O&M																									
GENERAL DISTRICT REQUIREMENTS																									
State Water Contract																									
Supply - O&M		a	Supply: SWP																					100.00%	
Supply - Capital		a	Supply: SWP																					100.00%	
Power - O&M & Off-Aq Capital		a	C&A: SWP - Power																					100.00%	
Power - Capital (less Off-Aq)		a	C&A: SWP - Power																					100.00%	
Transmission - Capital - Commodity, Demand, & Standby		a	C&A: SWP - All Other																					100.00%	
Transmission - O&M - Commodity only		a	C&A: SWP - All Other																					100.00%	
Delta Conveyance - Other		a	C&A: SWP - All Other																					100.00%	
Total State Water Contract																									
Colorado River Aqueduct Power Costs		a	100% CRA				100.0%																	100.00%	
Supply Programs (cash funded portion)		f	Forecasted Costs	79.8%	0.0%	2.0%						18.3%												100.00%	
Demand Management (cash funded portion)																									
Local Resources Program		a	100% Demand management																			100.0%		100.00%	
Future Supply Actions & Stormwater Pilot		a	100% Demand management																			100.0%		100.00%	
Conservation Program (cash funded portion)		a	100% Demand management																			100.0%		100.00%	

Source of Supply		Conveyance & Aqueduct							Storage				Treatment					Distribution	Demand Management	Hydro-Electric	Administrative & General	Total \$ Allocated	Total less A&G	
		CRA		Other Supply	SWP		Other Conv. & Aqueduct	Storage Costs Other Than Power			Jensen	Weymouth	Diemer	Mills	Skinner									
		CRA	SWP		CRA	SWP		Emergency	Drought	Regulatory						Power								
Departmental O&M	Item																							
Office of General Manager		129,409	226,773	199,200	49,813	750,661	-	331,355	107,862	105,475	81,622	56,459	-	413,895	414,685	440,192	312,732	373,341	1,627,655	155,810	91,720	2,208,521	8,077,178	5,868,657
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,170,417	2,170,417	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	12,415,696	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12,415,696	12,415,696
External Affairs	Legislative Services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,381,583	6,381,583	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,929,071	5,929,071	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9,839,752	9,839,752	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,999,011	2,999,011	-
Human Resources		255,058	446,957	392,612	98,179	1,479,513	-	653,083	212,589	207,885	160,873	111,278	-	815,764	817,321	867,595	616,377	735,834	3,208,019	307,092	180,774	4,352,874	15,919,677	11,566,803
Water Systems Operations	Office of the Manager	215,755	215,755	215,755	104,794	1,848,488	-	115,194	-	33,719	33,719	33,719	-	839,573	863,280	816,043	787,667	774,762	3,739,272	-	-	238,666	11,519,906	10,876,456
Water Systems Operations	Office of the Manager, Conveyance & Aqueduct	-	-	-	-	459,054	-	32,276	-	-	-	-	-	-	-	-	-	-	374,993	-	-	12,832	900,303	879,155
Water Systems Operations	Office of the Manager, Treatment & Distribution	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,201,229	1,201,229
Water Systems Operations	Office of the Manager, Operations & Maintenance	41,911	41,911	41,911	20,357	359,075	-	22,377	-	6,550	6,550	6,550	-	217,253	225,878	208,693	198,370	193,675	157,361	-	-	726,367	2,257,209	2,112,790
Water Systems Operations	Operations Support Services	-	-	-	-	215,311	-	-	-	-	-	-	-	163,090	167,695	158,519	153,007	150,500	126,367	-	46,418	144,418	8,155,738	7,862,132
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	34,311,278	-	-	-	-	-	-	-	101,784	101,784	101,784	101,784	101,784	7,013,935	-	123,967	293,607	34,311,278	34,311,278
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9,663,993	-	-	-	9,663,993	9,663,993
Water Systems Operations	Power Operations and Planning	-	-	-	1,276,007	-	-	-	-	-	-	-	-	-	-	-	-	-	3,914,131	-	955,048	371,842	3,914,131	3,914,131
Water Systems Operations	Operations Planning & Programs Unit	728,973	728,973	728,973	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,311,234	-	-	-	2,186,918	2,186,918
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-	-	-	-	-	17,789,405	-	-	-	-	2,681,717	-	-	-	20,471,122	20,471,122
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,844,977	-	-	-	21,717,385	21,

[illegible]

Allocation Percentages: Source Of Supply, CRA
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					% Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		129,409	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bay Delta Initiatives	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		255,058	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	215,755	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	41,911	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	728,973	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	3,835,694	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	15,646	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Sustainability, Resilience & Innovation		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Diversity, Equity & Inclusion		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Equal Employment Opportunity		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	829,208	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	2,626,037	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	305,062	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Real Property		675,893	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		9,658,647	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Delta Conveyance - Other	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Contract	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs (cash funded portion)								
	51,129,998	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Demand Management (cash funded portion)								
Local Resources Program	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions & Stormwater Pilot	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Conservation Program (cash funded portion)	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Costs	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing								
Revenue Bond Debt Service net of BABs Interest Subsidy Payment	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
G.O. Bond Debt Service	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Debt Administration	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Bond Defeasance	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
PAYGO	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Capital Financing Costs	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Regional Recycled Water Program planning costs								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs								
Operating Equipment	141,579	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Succession Planning Labor Pool	80,108	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs	221,687	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves								
	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements								
	51,351,685	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:								
	61,010,331	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - MWD GO Debt Service	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Interest on Investments	274,515	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - SWC	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Reserve used for Revenue Bonds - I&P	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Annexation	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Revenue Offsets	274,515	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:								
	60,735,816	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Source Of Supply, CRA
Fiscal Year Ending 2024

	Functionalization	Allocation Percentages						Total
		Demand	Fixed		Variable Commodity	Other	Hydroelectric	
			Commodity	Standby				
Departmental O&M								
Group	Item							
Office of General Manager		129,409	-	129,409	-	-	-	129,409
Office of General Manager	Board of Directors	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-
Human Resources		255,058	-	255,058	-	-	-	255,058
Water Systems Operations	Office of the Manager	215,755	-	215,755	-	-	-	215,755
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	41,911	-	41,911	-	-	-	41,911
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	728,973	-	728,973	-	-	-	728,973
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	3,835,694	-	3,835,694	-	-	-	3,835,694
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	15,646	-	15,646	-	-	-	15,646
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-
Sustainability, Resilience & Innovat		-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-
Office of the Chief Financial Office		-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-
Engineering Services		-	-	-	-	-	-	-
Business Technology	Administrative Services	-	-	-	-	-	-	-
Business Technology	Information Technology	829,208	-	829,208	-	-	-	829,208
Water Resources Management	Resource Planning & Development	-	-	-	-	-	-	-
Water Resources Management	Resource Implementation	2,626,037	-	2,626,037	-	-	-	2,626,037
Water Resources Management	Office of the Group Manager	305,062	-	305,062	-	-	-	305,062
Ethics Office		-	-	-	-	-	-	-
Real Property		675,893	-	675,893	-	-	-	675,893
General Counsel		-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-
Total Departmental O&M	-	9,658,647	-	9,658,647	-	-	-	9,658,647
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M		-	-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-	-
Delta Conveyance - Other		-	-	-	-	-	-	-
Total State Water Contract		-	-	-	-	-	-	-
Colorado River Aqueduct Power Costs								
		-	-	-	-	-	-	-
Supply Programs (cash funded portion)								
		51,129,998	-	51,129,998	-	-	-	51,129,998
Demand Management (cash funded portion)								
Local Resources Program		-	-	-	-	-	-	-
Future Supply Actions & Stormwater Pilot		-	-	-	-	-	-	-
Conservation Program (cash funded portion)		-	-	-	-	-	-	-
Total Demand Management Costs		-	-	-	-	-	-	-
Capital Financing								
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	-	-	-	-	-	-
G.O. Bond Debt Service		-	-	-	-	-	-	-
Debt Administration		-	-	-	-	-	-	-
Bond Defeasance		-	-	-	-	-	-	-
PAYGO		-	-	-	-	-	-	-
Total Capital Financing Costs		-	-	-	-	-	-	-
Regional Recycled Water Program planning costs								
		-	-	-	-	-	-	-
Other Operating Costs								
Operating Equipment		141,579	-	141,579	-	-	-	141,579
Succession Planning Labor Pool	-	80,108	-	80,108	-	-	-	80,108
OPEB/PERS Pre-Funding		-	-	-	-	-	-	-
Total Other Operating Costs		221,687	-	221,687	-	-	-	221,687
Increase/(Decrease) in Required Reserves								
		-	-	-	-	-	-	-
Total General District Requirements								
		51,351,685	-	51,351,685	-	-	-	51,351,685
REQUIREMENTS BEFORE OFFSETS:								
		61,010,331	-	61,010,331	-	-	-	61,010,331
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service		-	-	-	-	-	-	-
Property Taxes - MWD GO Debt Service		-	-	-	-	-	-	-
Interest on Investments		274,515	-	274,515	-	-	-	274,515
Hydro-Power Revenue		-	-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue		-	-	-	-	-	-	-
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease)		-	-	-	-	-	-	-
Property Taxes - SWC		-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-
Total Revenue Offsets		274,515	-	274,515	-	-	-	274,515
NET REVENUE REQUIREMENTS:								
		60,735,816	-	60,735,816	-	-	-	60,735,816

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Source Of Supply, CRA
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					Total	
			Fixed			Variable Commodity	Other		Hydroelectric
			Demand	Commodity	Standby				
Departmental O&M									
Group	Item								
Office of General Manager		114,475	-	114,475	-	-	-	114,475	
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	-	
External Affairs	Legislative Services	-	-	-	-	-	-	-	
External Affairs	Media Communications Services	-	-	-	-	-	-	-	
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	
Human Resources		201,093	-	201,093	-	-	-	201,093	
Water Systems Operations	Office of the Manager	158,711	-	158,711	-	-	-	158,711	
Water Systems Operations	Office of the Manager, Conveyance & Distribution Sec	-	-	-	-	-	-	-	
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	
Water Systems Operations	Office of the Manager, Operations Support Services	32,090	-	32,090	-	-	-	32,090	
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-	
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-	
Water Systems Operations	Operations Planning & Programs Unit	706,529	-	706,529	-	-	-	706,529	
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	
Water Systems Operations	Water Quality Section	3,174,705	-	3,174,705	-	-	-	3,174,705	
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-	
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-	
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-	
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-	
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-	
Water Systems Operations	Office of the Manager, Operations & Planning Section	14,268	-	14,268	-	-	-	14,268	
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-	
Sustainability, Resilience & Innovati		-	-	-	-	-	-	-	
Diversity, Equity & Inclusion		-	-	-	-	-	-	-	
Equal Employment Opportunity		-	-	-	-	-	-	-	
Office of the Chief Financial Officer		-	-	-	-	-	-	-	
Business Technology	Office of Manager	-	-	-	-	-	-	-	
Engineering Services		-	-	-	-	-	-	-	
Business Technology	Administrative Services	-	-	-	-	-	-	-	
Business Technology	Information Technology	556,612	-	556,612	-	-	-	556,612	
Water Resources Management	Resource Planning & Development	-	-	-	-	-	-	-	
Water Resources Management	Resource Implementation	1,711,925	-	1,711,925	-	-	-	1,711,925	
Water Resources Management	Office of the Group Manager	298,763	-	298,763	-	-	-	298,763	
Ethics Office		-	-	-	-	-	-	-	
Real Property		293,274	-	293,274	-	-	-	293,274	
General Counsel		-	-	-	-	-	-	-	
General Auditor		-	-	-	-	-	-	-	
Total Departmental O&M	-	7,262,444	-	7,262,444	-	-	-	7,262,444	

Allocation Percentages: Source Of Supply, SWP
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					% Total
			Demand	Fixed Commodity	Standby	Variable Commodity	Hydroelectric	
Departmental O&M								
Group	Item							
Office of General Manager		226,773	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bay Delta Initiatives	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		446,957	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	215,755	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	41,911	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	728,973	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	3,835,694	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	15,646	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Sustainability, Resilience & Innovation		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Diversity, Equity & Inclusion		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Equal Employment Opportunity		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	1,453,079	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	7,897,253	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	917,411	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Real Property		1,146,080	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		16,925,532	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M		107,000,290	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Supply - Capital		85,494,959	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Power - O&M & Off-Aq Capital		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Power - Capital (less Off-Aq)		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Transmission - O&M - Commodity only		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Delta Conveyance - Other		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total State Water Contract		192,495,249	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs								
		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs (cash funded portion)								
		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Demand Management (cash funded portion)								
Local Resources Program		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Future Supply Actions & Stormwater Pilot		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Conservation Program (cash funded portion)		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing								
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
G.O. Bond Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Debt Administration		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Bond Defeasance		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
PAYGO		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Capital Financing Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Regional Recycled Water Program planning costs								
		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs								
Operating Equipment		248,099	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Succession Planning Labor Pool		140,379	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		388,478	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves								
		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements								
		192,883,727	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:								
		209,809,259	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - MWD GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Interest on Investments		944,034	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease)		6,048,886	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Property Taxes - SWC		44,052,221	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Annexation		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Revenue Offsets		51,045,141	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:								
-		158,764,118	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Source Of Supply, SWP
Fiscal Year Ending 2024

	Functionalization	Allocation Percentages					Total
		Fixed			Variable Commodity	Hydroelectric	
		Demand	Commodity	Standby			
Departmental O&M							
Group	Item						
Office of General Manager		226,773	-	226,773	-	-	226,773
Office of General Manager	Board of Directors	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-
Human Resources		446,957	-	446,957	-	-	446,957
Water Systems Operations	Office of the Manager	215,755	-	215,755	-	-	215,755
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	41,911	-	41,911	-	-	41,911
Water Systems Operations	Operations Support Services	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	728,973	-	728,973	-	-	728,973
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	3,835,694	-	3,835,694	-	-	3,835,694
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	15,646	-	15,646	-	-	15,646
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-
Engineering Services		-	-	-	-	-	-
Business Technology	Administrative Services	-	-	-	-	-	-
Business Technology	Information Technology	1,453,079	-	1,453,079	-	-	1,453,079
Water Resources Management	Resource Planning & Development	-	-	-	-	-	-
Water Resources Management	Resource Implementation	7,897,253	-	7,897,253	-	-	7,897,253
Water Resources Management	Office of the Group Manager	917,411	-	917,411	-	-	917,411
Ethics Office		-	-	-	-	-	-
Real Property		1,146,080	-	1,146,080	-	-	1,146,080
General Counsel		-	-	-	-	-	-
General Auditor		-	-	-	-	-	-
Total Departmental O&M	-	16,925,532	-	16,925,532	-	-	16,925,532
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-
		-	-	-	-	-	-
State Water Contract		-	-	-	-	-	-
Supply - O&M		107,000,290	-	107,000,290	-	-	107,000,290
Supply - Capital		85,494,959	-	85,494,959	-	-	85,494,959
Power - O&M & Off-Aq Capital		-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-
Delta Conveyance - Other		-	-	-	-	-	-
Total State Water Contract		192,495,249	-	192,495,249	-	-	192,495,249
Colorado River Aqueduct Power Costs		-	-	-	-	-	-
		-	-	-	-	-	-
Supply Programs (cash funded portion)		-	-	-	-	-	-
		-	-	-	-	-	-
Demand Management (cash funded portion)		-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-
Future Supply Actions & Stormwater Pilot		-	-	-	-	-	-
Conservation Program (cash funded portion)		-	-	-	-	-	-
Total Demand Management Costs		-	-	-	-	-	-
Capital Financing		-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	-	-	-	-	-
G.O. Bond Debt Service		-	-	-	-	-	-
Debt Administration		-	-	-	-	-	-
Bond Defeasance		-	-	-	-	-	-
PAYGO		-	-	-	-	-	-
Total Capital Financing Costs		-	-	-	-	-	-
Regional Recycled Water Program planning costs		-	-	-	-	-	-
		-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-
Operating Equipment		248,099	-	248,099	-	-	248,099
Succession Planning Labor Pool		140,379	-	140,379	-	-	140,379
OPEB/PERS Pre-Funding		-	-	-	-	-	-
Total Other Operating Costs		388,478	-	388,478	-	-	388,478
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-
Total General District Requirements		192,883,727	-	192,883,727	-	-	192,883,727
REQUIREMENTS BEFORE OFFSETS:		209,809,259	-	209,809,259	-	-	209,809,259
Revenue Offsets		-	-	-	-	-	-
Property Taxes - MWD Portion of SWC GO Debt Service		-	-	-	-	-	-
Property Taxes - MWD GO Debt Service		-	-	-	-	-	-
Interest on Investments		944,034	-	944,034	-	-	944,034
Hydro-Power Revenue		-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue		-	-	-	-	-	-
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	-	-	-	-	-
Misc. allocated to supply (PVID Lease)		6,048,886	-	6,048,886	-	-	6,048,886
Property Taxes - SWC		44,052,221	-	44,052,221	-	-	44,052,221
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-
Annexation		-	-	-	-	-	-
Total Revenue Offsets		51,045,141	-	51,045,141	-	-	51,045,141
NET REVENUE REQUIREMENTS:		158,764,118	-	158,764,118	-	-	158,764,118

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Source Of Supply, SWP
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		200,604	-	200,604	-	-	-	200,604
Office of General Manager	Board of Directors	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-
Human Resources		352,390	-	352,390	-	-	-	352,390
Water Systems Operations	Office of the Manager	158,711	-	158,711	-	-	-	158,711
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	32,090	-	32,090	-	-	-	32,090
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	706,529	-	706,529	-	-	-	706,529
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	3,174,705	-	3,174,705	-	-	-	3,174,705
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	14,268	-	14,268	-	-	-	14,268
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-
Engineering Services		-	-	-	-	-	-	-
Business Technology	Administrative Services	-	-	-	-	-	-	-
Business Technology	Information Technology	975,390	-	975,390	-	-	-	975,390
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	5,148,253	-	5,148,253	-	-	-	5,148,253
Water Resources Managemen	Office of the Group Manager	898,467	-	898,467	-	-	-	898,467
Ethics Office		-	-	-	-	-	-	-
Real Property		497,290	-	497,290	-	-	-	497,290
General Counsel		-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-
Total Departmental O&M	-	12,158,696	-	12,158,696	-	-	-	12,158,696

Allocation Percentages: Source Of Supply - Other Supply
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					% Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		199,200	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bay Delta Initiatives	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		392,612	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	215,755	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	41,911	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	728,973	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	3,835,694	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	15,646	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Sustainability, Resilience & Innovation		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Diversity, Equity & Inclusion		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Equal Employment Opportunity		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		1,904,957	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	1,276,400	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	4,834,331	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	770,931	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	651,154	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		14,867,562	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Delta Conveyance - Other	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Contract		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs (cash funded portion)		1,250,000	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Demand Management (cash funded portion)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Future Supply Actions & Stormwater Pilot	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Conservation Program (cash funded portion)	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment	11,854,247	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Debt Administration	108,133	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
PAYGO	5,400,000	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Costs		17,362,380	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Regional Recycled Water Program planning costs		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Other Operating Costs								
Operating Equipment	217,933	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Succession Planning Labor Pool	123,310	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB/IPERS Pre-Funding	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		341,243	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements		18,953,622	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		33,821,185	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service	-	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Property Taxes - MWD GO Debt Service	-	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Interest on Investments	152,178	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - SWC	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Reserve used for Revenue Bonds - I&P	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Annexation	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Revenue Offsets		152,178	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:		-	33,669,007	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Source Of Supply - Other Supply
Fiscal Year Ending 2024

	Functionalization	Allocation Percentages					Total
		Fixed			Variable Commodity	Hydroelectric	
		Demand	Commodity	Standby			
Departmental O&M							
Group	Item						
Office of General Manager		199,200	-	199,200	-	-	199,200
Office of General Manager	Board of Directors	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-
Human Resources		392,612	-	392,612	-	-	392,612
Water Systems Operations	Office of the Manager	215,755	-	215,755	-	-	215,755
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	41,911	-	41,911	-	-	41,911
Water Systems Operations	Operations Support Services	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	728,973	-	728,973	-	-	728,973
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	3,835,694	-	3,835,694	-	-	3,835,694
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	15,646	-	15,646	-	-	15,646
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-
Engineering Services		1,904,957	-	1,904,957	-	-	1,904,957
Business Technology	Administrative Services	-	-	-	-	-	-
Business Technology	Information Technology	1,276,400	-	1,276,400	-	-	1,276,400
Water Resources Management	Resource Planning & Development	4,834,331	-	4,834,331	-	-	4,834,331
Water Resources Management	Resource Implementation	770,931	-	770,931	-	-	770,931
Water Resources Management	Office of the Group Manager	651,154	-	651,154	-	-	651,154
Ethics Office		-	-	-	-	-	-
Real Property		-	-	-	-	-	-
General Counsel		-	-	-	-	-	-
General Auditor		-	-	-	-	-	-
Total Departmental O&M	-	14,867,562	-	14,867,562	-	-	14,867,562
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-
State Water Contract		-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-
Delta Conveyance - Other		-	-	-	-	-	-
Total State Water Contract		-	-	-	-	-	-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-
Supply Programs (cash funded portion)		1,250,000	-	1,250,000	-	-	1,250,000
Demand Management (cash funded portion)		-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-
Future Supply Actions & Stormwater Pilot		-	-	-	-	-	-
Conservation Program (cash funded portion)		-	-	-	-	-	-
Total Demand Management Costs		-	-	-	-	-	-
Capital Financing		-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		11,854,247	-	11,854,247	-	-	11,854,247
G.O. Bond Debt Service		-	-	-	-	-	-
Debt Administration		108,133	-	108,133	-	-	108,133
Bond Defeasance		-	-	-	-	-	-
PAYGO		5,400,000	-	5,400,000	-	-	5,400,

Direct Labor used for A&G Allocation

Allocation of Revenue Requirements: Source Of Supply - Other Supply

Fiscal Year Ending 2024

		Functionalization	Allocation Percentages				Total	
			Fixed			Variable Commodity		Hydroelectric
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		176,212	-	176,212	-	-	176,212	
Office of General Manager	Board of Directors	-	-	-	-	-	-	
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	
External Affairs	Legislative Services	-	-	-	-	-	-	
External Affairs	Media Communications Services	-	-	-	-	-	-	
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	
External Affairs	Conservation & Community Services	-	-	-	-	-	-	
Human Resources		309,543	-	309,543	-	-	309,543	
Water Systems Operations	Office of the Manager	158,711	-	158,711	-	-	158,711	
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	
Water Systems Operations	Office of the Manager, Operations Support Services	32,090	-	32,090	-	-	32,090	
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	
Water Systems Operations	Operations Planning & Programs Unit	706,529	-	706,529	-	-	706,529	
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	
Water Systems Operations	Water Quality Section	3,174,705	-	3,174,705	-	-	3,174,705	
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	
Water Systems Operations	Office of the Manager, Operations & Planning Section	14,268	-	14,268	-	-	14,268	
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	
Sustainability, Resilience & Inn		-	-	-	-	-	-	
Diversity, Equity & Inclusion		-	-	-	-	-	-	
Equal Employment Opportunity		-	-	-	-	-	-	
Office of the Chief Financial Of		-	-	-	-	-	-	
Business Technology	Office of Manager	-	-	-	-	-	-	
Engineering Services		1,611,103	-	1,611,103	-	-	1,611,103	
Business Technology	Administrative Services	-	-	-	-	-	-	
Business Technology	Information Technology	856,793	-	856,793	-	-	856,793	
Water Resources Managemen	Resource Planning & Development	3,851,874	-	3,851,874	-	-	3,851,874	
Water Resources Managemen	Resource Implementation	502,573	-	502,573	-	-	502,573	
Water Resources Managemen	Office of the Group Manager	637,708	-	637,708	-	-	637,708	
Ethics Office		-	-	-	-	-	-	
Real Property		-	-	-	-	-	-	
General Counsel		-	-	-	-	-	-	
General Auditor		-	-	-	-	-	-	
Total Departmental O&M	-	12,032,108	-	12,032,108	-	-	12,032,108	

Allocation Percentages: C&A, CRA Power
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					% Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		49,813	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bay Delta Initiatives	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		98,179	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	104,794	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	20,357	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	1,276,007	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	860,881	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	7,599	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Sustainability, Resilience & Innovation		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Diversity, Equity & Inclusion		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Equal Employment Opportunity		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		981,053	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	319,184	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		3,717,866	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Delta Conveyance - Other	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Contract	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		85,626,149	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
Supply Programs (cash funded portion)	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management (cash funded portion)	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program	-		0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Future Supply Actions & Stormwater Pilot	-		0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Conservation Program (cash funded portion)	-		0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Costs	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		6,104,937	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service	-		0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Debt Administration		55,688	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance	-		0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
PAYGO		2,781,000	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Costs		8,941,626	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Regional Recycled Water Program planning costs	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs								
Operating Equipment		54,497	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Succession Planning Labor Pool		30,836	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
OPEB/PERS Pre-Funding	-		0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		85,333	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves	-		0.0%	9.5%	0.0%	90.5%	0.0%	100.0%
Total General District Requirements		94,653,107	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		98,370,973	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service	-		100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Property Taxes - MWD GO Debt Service	-		100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Interest on Investments		442,619	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
Hydro-Power Revenue	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		2,989,504	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%
Wadsworth Pumping Plant (DVL) Power Revenue	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease)	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - SWC	-		0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Annexation	-		0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets		3,432,123	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	94,938,850	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: C&A, CRA Power
Fiscal Year Ending 2024

	Functionalization	Allocation Percentages					Total
		Fixed			Variable Commodity	Hydroelectric	
		Demand	Commodity	Standby			
Departmental O&M							
Group	Item						
Office of General Manager		49,813	-	49,813	-	-	49,813
Office of General Manager	Board of Directors	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-
Human Resources		98,179	-	98,179	-	-	98,179
Water Systems Operations	Office of the Manager	104,794	-	104,794	-	-	104,794
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	20,357	-	20,357	-	-	20,357
Water Systems Operations	Operations Support Services	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	1,276,007	-	1,276,007	-	-	1,276,007
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	860,881	-	860,881	-	-	860,881
Water Systems Operations	Office of the Manager, Operations & Planning Secti	7,599	-	7,599	-	-	7,599
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-
Engineering Services		981,053	-	981,053	-	-	981,053
Business Technology	Administrative Services	-	-	-	-	-	-
Business Technology	Information Technology	319,184	-	319,184	-	-	319,184
Water Resources Management	Resource Planning & Development	-	-	-	-	-	-
Water Resources Management	Resource Implementation	-	-	-	-	-	-
Water Resources Management	Office of the Group Manager	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-
Real Property		-	-	-	-	-	-
General Counsel		-	-	-	-	-	-
General Auditor		-	-	-	-	-	-
Total Departmental O&M	-	3,717,866	-	3,717,866	-	-	3,717,866
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-
State Water Contract		-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-
Delta Conveyance - Other		-	-	-	-	-	-
Total State Water Contract		-	-	-	-	-	-
Colorado River Aqueduct Power Costs		85,626,149	-	-	85,626,149	-	85,626,149
Supply Programs (cash funded portion)		-	-	-	-	-	-
Demand Management (cash funded portion)		-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-
Future Supply Actions & Stormwater Pilot		-	-	-	-	-	-
Conservation Program (cash funded portion)		-	-	-	-	-	-
Total Demand Management Costs		-	-	-	-	-	-
Capital Financing		-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		6,104,937	-	6,104,937	-	-	6,104,937
G.O. Bond Debt Service		-	-	-	-	-	-
Debt Administration		55,688	-	55,688	-	-	55,688
Bond Defeasance		-	-	-	-	-	-
PAYGO		2,781,000	-	2,781,000	-	-	2,781,000
Total Capital Financing Costs		8,941,626	-	8,941,626	-	-	8,941,626
Regional Recycled Water Program planning costs		-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-
Operating Equipment		54,497	-	54,497	-	-	54,497
Succession Planning Labor Pool		30,836	-	30,836	-	-	30,836
OPEB\PERS Pre-Funding		-	-	-	-	-	-
Total Other Operating Costs		85,333	-	85,333	-	-	85,333
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-
Total General District Requirements		94,653,107	-	9,026,959	85,626,149	-	94,653,107
REQUIREMENTS BEFORE OFFSETS:		98,370,973	-	12,744,824	85,626,149	-	98,370,973
Revenue Offsets							
Property Taxes - MWD Portion of SWC GO Debt Service		-	-	-	-	-	-
Property Taxes - MWD GO Debt Service		-	-	-	-	-	-
Interest on Investments		442,619	-	-	442,619	-	442,619
Hydro-Power Revenue		-	-	-	-	-	-
CRA Power Revenue		2,989,504	-	-	2,989,504	-	2,989,504
Wadsworth Pumping Plant (DVL) Power Revenue		-	-	-	-	-	-
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	-	-	-	-	-
Misc. allocated to supply (PVID Lease)		-	-	-	-	-	-
Property Taxes - SWC		-	-	-	-	-	-
Annexation		-	-	-	-	-	-
Total Revenue Offsets		3,432,123	-	-	3,432,123	-	3,432,123
NET REVENUE REQUIREMENTS:		94,938,850	-	12,744,824	82,194,025	-	94,938,850

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: C&A, CRA Power
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages				Total	
			Fixed			Variable Commodity		Hydroelectric
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		44,065	-	44,065	-	-	44,065	
Office of General Manager	Board of Directors	-	-	-	-	-	-	
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	
External Affairs	Legislative Services	-	-	-	-	-	-	
External Affairs	Media Communications Services	-	-	-	-	-	-	
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	
External Affairs	Conservation & Community Services	-	-	-	-	-	-	
Human Resources		77,406	-	77,406	-	-	77,406	
Water Systems Operations	Office of the Manager	77,087	-	77,087	-	-	77,087	
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	
Water Systems Operations	Office of the Manager, Operations Support Services	15,586	-	15,586	-	-	15,586	
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	
Water Systems Operations	Power Operations and Planning	1,105,205	-	1,105,205	-	-	1,105,205	
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	
Water Systems Operations	OSS, Power Support Unit	779,945	-	779,945	-	-	779,945	
Water Systems Operations	Office of the Manager, Operations & Planning Section	6,930	-	6,930	-	-	6,930	
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	
Sustainability, Resilience & Inn		-	-	-	-	-	-	
Diversity, Equity & Inclusion		-	-	-	-	-	-	
Equal Employment Opportunity		-	-	-	-	-	-	
Office of the Chief Financial Of		-	-	-	-	-	-	
Business Technology	Office of Manager	-	-	-	-	-	-	
Engineering Services		829,718	-	829,718	-	-	829,718	
Business Technology	Administrative Services	-	-	-	-	-	-	
Business Technology	Information Technology	214,254	-	214,254	-	-	214,254	
Water Resources Management	Resource Planning & Development	-	-	-	-	-	-	
Water Resources Management	Resource Implementation	-	-	-	-	-	-	
Water Resources Management	Office of the Group Manager	-	-	-	-	-	-	
Ethics Office		-	-	-	-	-	-	
Real Property		-	-	-	-	-	-	
General Counsel		-	-	-	-	-	-	
General Auditor		-	-	-	-	-	-	
Total Departmental O&M	-	3,150,196	-	3,150,196	-	-	3,150,196	

Allocation Percentages: C&A, CRA All Other
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					% Total
			Demand	Fixed Commodity	Standby	Variable Commodity	Hydroelectric	
Departmental O&M								
Group	Item							
Office of General Manager		750,661	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bay Delta Initiatives	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		1,479,513	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	1,848,488	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	459,054	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	359,075	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	215,311	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	34,311,278	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	1,102,844	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	349	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	425,624	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	2,575,800	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	1,924,523	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	134,047	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Sustainability, Resilience & Innovation		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Diversity, Equity & Inclusion		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Equal Employment Opportunity		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		1,457,292	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	4,809,969	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Real Property		4,172,907	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		56,026,737	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Delta Conveyance - Other	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Contract		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs								
	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs (cash funded portion)								
	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management (cash funded portion)								
Local Resources Program	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions & Stormwater Pilot	-		0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Conservation Program (cash funded portion)	-		0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing								
	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment	9,068,499		8.1%	47.5%	44.5%	0.0%	0.0%	100.0%
G.O. Bond Debt Service	-		8.1%	47.5%	44.5%	0.0%	0.0%	100.0%
Debt Administration	82,722		8.1%	47.5%	44.5%	0.0%	0.0%	100.0%
Bond Defeasance	-		8.1%	47.5%	44.5%	0.0%	0.0%	100.0%
PAYGO	4,131,000		8.1%	47.5%	44.5%	0.0%	0.0%	100.0%
Total Capital Financing Costs		13,282,220	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Regional Recycled Water Program planning costs								
	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs								
Operating Equipment	821,254		0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Succession Planning Labor Pool	464,681		0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
OPEB/IPERS Pre-Funding	-		0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		1,285,935	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves								
	-		7.4%	52.1%	40.5%	0.0%	0.0%	100.0%
Total General District Requirements								
	14,568,155		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:								
	70,594,892		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - MWD GO Debt Service	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Interest on Investments	317,641		8.1%	47.5%	44.5%	0.0%	0.0%	100.0%
Hydro-Power Revenue	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease)	-		1.5%	90.1%	8.4%	0.0%	0.0%	100.0%
Property Taxes - SWC	-		8.1%	47.5%	44.5%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P	-		50.0%	50.0%	0.0%	0.0%	0.0%	100.0%
Annexation	-		8.1%	47.5%	44.5%	0.0%	0.0%	100.0%
Total Revenue Offsets		317,641	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:								
-	70,277,251		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: C&A, CRA All Other
Fiscal Year Ending 2024

	Functionalization	Allocation Percentages					Total
		Fixed			Variable Commodity	Hydroelectric	
		Demand	Commodity	Standby			
Departmental O&M							
Group	Item						
Office of General Manager		750,661	-	750,661	-	-	750,661
Office of General Manager	Board of Directors	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-
Human Resources		1,479,513	-	1,479,513	-	-	1,479,513
Water Systems Operations	Office of the Manager	1,848,488	-	1,848,488	-	-	1,848,488
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	459,054	-	459,054	-	-	459,054
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	359,075	-	359,075	-	-	359,075
Water Systems Operations	Operations Support Services	215,311	-	215,311	-	-	215,311
Water Systems Operations	Desert Region / C&D CRA	34,311,278	-	34,311,278	-	-	34,311,278
Water Systems Operations	System Operations Unit	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	1,102,844	-	1,102,844	-	-	1,102,844
Water Systems Operations	C&D, Western Unit	349	-	349	-	-	349
Water Systems Operations	OSS, Manufacturing Services Unit	425,624	-	425,624	-	-	425,624
Water Systems Operations	Environmental Health & Safety Section	2,575,800	-	2,575,800	-	-	2,575,800
Water Systems Operations	OSS, Fleet Services Unit	1,924,523	-	1,924,523	-	-	1,924,523
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	134,047	-	134,047	-	-	134,047
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-
Engineering Services		1,457,292	-	1,457,292	-	-	1,457,292
Business Technology	Administrative Services	-	-	-	-	-	-
Business Technology	Information Technology	4,809,969	-	4,809,969	-	-	4,809,969
Water Resources Management	Resource Planning & Development	-	-	-	-	-	-
Water Resources Management	Resource Implementation	-	-	-	-	-	-
Water Resources Management	Office of the Group Manager	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-
Real Property		4,172,907	-	4,172,907	-	-	4,172,907
General Counsel		-	-	-	-	-	-
General Auditor		-	-	-	-	-	-
Total Departmental O&M	-	56,026,737	-	56,026,737	-	-	56,026,737
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-
State Water Contract		-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-
Delta Conveyance - Other		-	-	-	-	-	-
Total State Water Contract		-	-	-	-	-	-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-
Supply Programs (cash funded portion)		-	-	-	-	-	-
Demand Management (cash funded portion)		-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-
Future Supply Actions & Stormwater Pilot		-	-	-	-	-	-
Conservation Program (cash funded portion)		-	-	-	-	-	-
Total Demand Management Costs		-	-	-	-	-	-
Capital Financing		-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		9,068,499	731,678	4,303,987	4,032,834	-	9,068,499
G.O. Bond Debt Service		-	-	-	-	-	-
Debt Administration		82,722	6,674	39,260	36,787	-	82,722
Bond Defeasance		-	-	-	-	-	-
PAYGO		4,131,000	333,303	1,960,608	1,837,089	-	4,131,000
Total Capital Financing Costs		13,282,220	1,071,655	6,303,856	5,906,709	-	13,282,220
Regional Recycled Water Program planning costs		-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-
Operating Equipment		821,254	-	821,254	-	-	821,254
Succession Planning Labor Pool		464,681	-	464,681	-	-	464,681
OPEB\PERS Pre-Funding		-	-	-	-	-	-
Total Other Operating Costs		1,285,935	-	1,285,935	-	-	1,285,935
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-
Total General District Requirements		14,568,155	1,071,655	7,589,790	5,906,709	-	14,568,155
REQUIREMENTS BEFORE OFFSETS:		70,594,892	1,071,655	63,616,528	5,906,709	-	70,594,892
Revenue Offsets							
Property Taxes - MWD Portion of SWC GO Debt Service		-	-	-	-	-	-
Property Taxes - MWD GO Debt Service		-	-	-	-	-	-
Interest on Investments		317,641	25,628	150,755	141,257	-	317,641
Hydro-Power Revenue		-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue		-	-	-	-	-	-
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	-	-	-	-	-
Misc. allocated to supply (PVID Lease)		-	-	-	-	-	-
Property Taxes - SWC		-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-
Annexation		-	-	-	-	-	-
Total Revenue Offsets		317,641	25,628	150,755	141,257	-	317,641
NET REVENUE REQUIREMENTS:		70,277,251	1,046,027	63,465,773	5,765,452	-	70,277,251

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: C&A, CRA All Other
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		664,036	-	664,036	-	-	-	664,036
Office of General Manager	Board of Directors	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-
Human Resources		1,166,477	-	1,166,477	-	-	-	1,166,477
Water Systems Operations	Office of the Manager	1,359,759	-	1,359,759	-	-	-	1,359,759
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	449,347	-	449,347	-	-	-	449,347
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	274,933	-	274,933	-	-	-	274,933
Water Systems Operations	Operations Support Services	195,316	-	195,316	-	-	-	195,316
Water Systems Operations	Desert Region / C&D CRA	28,239,906	-	28,239,906	-	-	-	28,239,906
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	782,891	-	782,891	-	-	-	782,891
Water Systems Operations	C&D, Western Unit	262	-	262	-	-	-	262
Water Systems Operations	OSS, Manufacturing Services Unit	391,685	-	391,685	-	-	-	391,685
Water Systems Operations	Environmental Health & Safety Section	2,012,096	-	2,012,096	-	-	-	2,012,096
Water Systems Operations	OSS, Fleet Services Unit	1,181,058	-	1,181,058	-	-	-	1,181,058
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	122,239	-	122,239	-	-	-	122,239
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-
Engineering Services		1,232,494	-	1,232,494	-	-	-	1,232,494
Business Technology	Administrative Services	-	-	-	-	-	-	-
Business Technology	Information Technology	3,228,727	-	3,228,727	-	-	-	3,228,727
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-
Real Property		1,810,647	-	1,810,647	-	-	-	1,810,647
General Counsel		-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-
Total Departmental O&M	-	43,111,872	-	43,111,872	-	-	-	43,111,872

Allocation Percentages: C&A, State Water Project Power
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					% Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Bay Delta Initiatives	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	100.0%	
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	100.0%	
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	100.0%	
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	100.0%	
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Human Resources	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
Water Systems Operations	Office of the Manager	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	Office of the Manager, Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	Water Quality Section	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	Office of the Manager, Operations & Planning Section	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Sustainability, Resilience & Innovation	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
Diversity, Equity & Inclusion	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
Equal Employment Opportunity	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
Office of the Chief Financial Officer	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Engineering Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Business Technology	Information Technology	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Ethics Office	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
Real Property	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
General Counsel	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
General Auditor	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
Total Departmental O&M	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M	-	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%	
Supply - Capital	-	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%	
Power - O&M & Off-Aq Capital	258,551,933	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%	
Power - Capital (less Off-Aq)	(3,654,765)	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%	
Transmission - Capital - Commodity, Demand, & Standby	-	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%	
Transmission - O&M - Commodity only	-	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%	
Delta Conveyance - Other	-	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%	
Total State Water Contract	254,897,168	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Colorado River Aqueduct Power Costs								
Supply Programs (cash funded portion)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Demand Management (cash funded portion)								
Local Resources Program	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Future Supply Actions & Stormwater Pilot	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
Conservation Program (cash funded portion)	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
Total Demand Management Costs	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Capital Financing								
Revenue Bond Debt Service net of BABs Interest Subsidy Payment	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
G.O. Bond Debt Service	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Debt Administration	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Bond Defeasance	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
PAYGO	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Total Capital Financing Costs	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Regional Recycled Water Program planning costs								
Other Operating Costs								
Operating Equipment	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
Succession Planning Labor Pool	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
OPEB/IPERS Pre-Funding	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
Total Other Operating Costs	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Increase/(Decrease) in Required Reserves								
Total General District Requirements	254,897,168	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
REQUIREMENTS BEFORE OFFSETS:								
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Property Taxes - MWD GO Debt Service	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Interest on Investments	1,146,907	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%	
Hydro-Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
CRA Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Wadsworth Pumping Plant (DVL) Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Misc. allocated to supply (PVID Lease)	-	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%	
Property Taxes - SWC	58,332,797	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%	
Revenue Reserve used for Revenue Bonds - I&P	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Annexation	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Total Revenue Offsets	59,479,704	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
NET REVENUE REQUIREMENTS:	-	195,417,464	0.0%	0.0%	0.0%	0.0%	0.0%	

Allocation of Revenue Requirements: C&A State Water Project Power
Fiscal Year Ending 2024

	Functionalization	Allocation Percentages					Total
		Fixed			Variable Commodity	Hydroelectric	
		Demand	Commodity	Standby			
Departmental O&M							
Group	Item						
Office of General Manager		-	-	-	-	-	-
Office of General Manager	Board of Directors	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-
Human Resources		-	-	-	-	-	-
Water Systems Operations	Office of the Manager	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	-	-	-	-	-	-
Water Systems Operations	Operations Support Services	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	-	-	-	-	-	-
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-
Engineering Services		-	-	-	-	-	-
Business Technology	Administrative Services	-	-	-	-	-	-
Business Technology	Information Technology	-	-	-	-	-	-
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-
Real Property		-	-	-	-	-	-
General Counsel		-	-	-	-	-	-
General Auditor		-	-	-	-	-	-
Total Departmental O&M	-	-	-	-	-	-	-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-
State Water Contract		-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-
Power - O&M & Off-Aq Capital	258,551,933	-	-	-	258,551,933	-	258,551,933
Power - Capital (less Off-Aq)	(3,654,765)	-	-	-	(3,654,765)	-	(3,654,765)
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-
Delta Conveyance - Other		-	-	-	-	-	-
Total State Water Contract	254,897,168	-	-	-	254,897,168	-	254,897,168
Colorado River Aqueduct Power Costs		-	-	-	-	-	-
Supply Programs (cash funded portion)		-	-	-	-	-	-
Demand Management (cash funded portion)		-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-
Future Supply Actions & Stormwater Pilot		-	-	-	-	-	-
Conservation Program (cash funded portion)		-	-	-	-	-	-
Total Demand Management Costs		-	-	-	-	-	-
Capital Financing		-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	-	-	-	-	-
G.O. Bond Debt Service		-	-	-	-	-	-
Debt Administration		-	-	-	-	-	-
Bond Defeasance		-	-	-	-	-	-
PAYGO		-	-	-	-	-	-
Total Capital Financing Costs		-	-	-	-	-	-
Regional Recycled Water Program planning costs		-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-
Operating Equipment		-	-	-	-	-	-
Succession Planning Labor Pool		-	-	-	-	-	-
OPEB\PERS Pre-Funding		-	-	-	-	-	-
Total Other Operating Costs		-	-	-	-	-	-
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-
Total General District Requirements	254,897,168	-	-	-	254,897,168	-	254,897,168
REQUIREMENTS BEFORE OFFSETS:	254,897,168	-	-	-	254,897,168	-	254,897,168
Revenue Offsets							
Property Taxes - MWD Portion of SWC GO Debt Service		-	-	-	-	-	-
Property Taxes - MWD GO Debt Service		-	-	-	-	-	-
Interest on Investments	1,146,907	-	-	-	1,146,907	-	1,146,907
Hydro-Power Revenue		-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue		-	-	-	-	-	-
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	-	-	-	-	-
Misc. allocated to supply (PVID Lease)		-	-	-	-	-	-
Property Taxes - SWC	58,332,797	-	-	-	58,332,797	-	58,332,797
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-
Annexation		-	-	-	-	-	-
Total Revenue Offsets	59,479,704	-	-	-	59,479,704	-	59,479,704
NET REVENUE REQUIREMENTS:	195,417,464	-	-	-	195,417,464	-	195,417,464

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: C&A State Water Project Power
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		-	-	-	-	-	-	-
Office of General Manager	Board of Directors	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-
Human Resources		-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	-	-	-	-	-	-	-
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	-	-	-	-	-	-	-
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-
Engineering Services		-	-	-	-	-	-	-
Business Technology	Administrative Services	-	-	-	-	-	-	-
Business Technology	Information Technology	-	-	-	-	-	-	-
Water Resources Management	Resource Planning & Development	-	-	-	-	-	-	-
Water Resources Management	Resource Implementation	-	-	-	-	-	-	-
Water Resources Management	Office of the Group Manager	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-
Total Departmental O&M	-	-	-	-	-	-	-	-

Allocation Percentages: C&A, State Water Project, All Other
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					% Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		331,355	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bay Delta Initiatives	Bay Delta Initiatives	12,415,696	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		653,083	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	115,194	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	32,276	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	22,377	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	2,264,886	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	575,462	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	8,354	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Sustainability, Resilience & Innovation		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Diversity, Equity & Inclusion		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Equal Employment Opportunity		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		723,884	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	2,123,205	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	52,207	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	6,065	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Real Property		5,407,147	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		24,731,191	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby	80,660,127	8.1%	47.5%	44.5%	0.0%	0.0%	0.0%	100.0%
Transmission - O&M - Commodity only	198,687,447	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Delta Conveyance - Other	54,500,000	8.1%	47.5%	44.5%	0.0%	0.0%	0.0%	100.0%
Total State Water Contract	333,847,574	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs (cash funded portion)								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management (cash funded portion)								
Local Resources Program	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions & Stormwater Pilot	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Conservation Program (cash funded portion)	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Costs	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment	4,504,614	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Debt Administration	41,090	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
PAYGO	2,052,000	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Costs	6,597,704	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Regional Recycled Water Program planning costs								
	-	8.1%	47.5%	44.5%	0.0%	0.0%	0.0%	100.0%
Other Operating Costs								
Operating Equipment	362,516	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Succession Planning Labor Pool	205,118	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB/PERS Pre-Funding	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs	567,634	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves								
	-	3.2%	79.2%	17.6%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements								
	341,012,913	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:								
	365,744,104	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service	36,010	8.1%	47.5%	44.5%	0.0%	0.0%	0.0%	100.0%
Property Taxes - MWD GO Debt Service	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Interest on Investments	1,645,662	8.1%	47.5%	44.5%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease)	-	3.0%	80.6%	16.4%	0.0%	0.0%	0.0%	100.0%
Property Taxes - SWC	63,928,232	2.3%	84.8%	12.8%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Annexation	-	8.1%	47.5%	44.5%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets	65,609,904	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:								
-	300,134,200	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: C&A, State Water Project, All Other
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
	Office of General Manager	331,355	-	331,355	-	-	-	331,355
	Office of General Manager	-	-	-	-	-	-	-
	Bay Delta Initiatives	12,415,696	-	12,415,696	-	-	-	12,415,696
	External Affairs	-	-	-	-	-	-	-
	External Affairs	-	-	-	-	-	-	-
	External Affairs	-	-	-	-	-	-	-
	External Affairs	-	-	-	-	-	-	-
	Human Resources	653,083	-	653,083	-	-	-	653,083
	Water Systems Operations	115,194	-	115,194	-	-	-	115,194
	Water Systems Operations	32,276	-	32,276	-	-	-	32,276
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	22,377	-	22,377	-	-	-	22,377
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-</		

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: C&A, State Water Project, All Other
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		293,117	-	293,117	-	-	-	293,117
Office of General Manager	Board of Directors	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	5,733,957	-	5,733,957	-	-	-	5,733,957
External Affairs	Legislative Services	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-
Human Resources		514,903	-	514,903	-	-	-	514,903
Water Systems Operations	Office of the Manager	84,737	-	84,737	-	-	-	84,737
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	31,594	-	31,594	-	-	-	31,594
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	17,133	-	17,133	-	-	-	17,133
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	1,607,805	-	1,607,805	-	-	-	1,607,805
Water Systems Operations	C&D, Western Unit	432,830	-	432,830	-	-	-	432,830
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	7,618	-	7,618	-	-	-	7,618
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-
Engineering Services		612,219	-	612,219	-	-	-	612,219
Business Technology	Administrative Services	-	-	-	-	-	-	-
Business Technology	Information Technology	1,425,217	-	1,425,217	-	-	-	1,425,217
Water Resources Management	Resource Planning & Development	-	-	-	-	-	-	-
Water Resources Management	Resource Implementation	34,034	-	34,034	-	-	-	34,034
Water Resources Management	Office of the Group Manager	5,940	-	5,940	-	-	-	5,940
Ethics Office		-	-	-	-	-	-	-
Real Property		2,346,190	-	2,346,190	-	-	-	2,346,190
General Counsel		-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-
Total Departmental O&M	-	13,147,295	-	13,147,295	-	-	-	13,147,295

Allocation Percentages: C&A - Other C&A
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					% Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		107,862	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bay Delta Initiatives	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		212,589	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Sustainability, Resilience & Innovation		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Diversity, Equity & Inclusion		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Equal Employment Opportunity		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		7,038,817	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	691,138	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		8,050,406	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Delta Conveyance - Other	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Contract	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs (cash funded portion)								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management (cash funded portion)								
Local Resources Program	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions & Stormwater Pilot	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Conservation Program (cash funded portion)	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Costs	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment	43,801,442	8.1%	47.5%	44.5%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service	-	8.1%	47.5%	44.5%	0.0%	0.0%	0.0%	100.0%
Debt Administration	399,551	8.1%	47.5%	44.5%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance	-	8.1%	47.5%	44.5%	0.0%	0.0%	0.0%	100.0%
PAYGO	19,953,000	8.1%	47.5%	44.5%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Costs	64,153,993	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Regional Recycled Water Program planning costs								
	-	8.1%	47.5%	44.5%	0.0%	0.0%	0.0%	100.0%
Other Operating Costs								
Operating Equipment	118,005	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Succession Planning Labor Pool	66,769	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB/PERS Pre-Funding	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs	184,774	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves								
	-	8.0%	47.6%	44.3%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements								
	64,338,767	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:								
	72,389,173	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - MWD GO Debt Service	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Interest on Investments	325,714	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease)	-	8.1%	47.5%	44.5%	0.0%	0.0%	0.0%	100.0%
Property Taxes - SWC	-	8.1%	47.5%	44.5%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P	-	8.1%	47.5%	44.5%	0.0%	0.0%	0.0%	100.0%
Annexation	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Revenue Offsets	325,714	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:								
-	72,063,459	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: C&A - Other C&A
Fiscal Year Ending 2024

	Functionalization	Allocation Percentages					Total
		Fixed			Variable Commodity	Hydroelectric	
		Demand	Commodity	Standby			
Departmental O&M							
Group	Item						
Office of General Manager		107,862	-	107,862	-	-	107,862
Office of General Manager	Board of Directors	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-
Human Resources		212,589	-	212,589	-	-	212,589
Water Systems Operations	Office of the Manager	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	-	-	-	-	-	-
Water Systems Operations	Operations Support Services	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	-	-	-	-	-	-
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-
Engineering Services		7,038,817	-	7,038,817	-	-	7,038,817
Business Technology	Administrative Services	-	-	-	-	-	-
Business Technology	Information Technology	691,138	-	691,138	-	-	691,138
Water Resources Management	Resource Planning & Development	-	-	-	-	-	-
Water Resources Management	Resource Implementation	-	-	-	-	-	-
Water Resources Management	Office of the Group Manager	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-
Real Property		-	-	-	-	-	-
General Counsel		-	-	-	-	-	-
General Auditor		-	-	-	-	-	-
Total Departmental O&M	-	8,050,406	-	8,050,406	-	-	8,050,406
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-
		-	-	-	-	-	-
State Water Contract		-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-
Delta Conveyance - Other		-	-	-	-	-	-
Total State Water Contract		-	-	-	-	-	-
		-	-	-	-	-	-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-
		-	-	-	-	-	-
Supply Programs (cash funded portion)		-	-	-	-	-	-
		-	-	-	-	-	-
Demand Management (cash funded portion)		-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-
Future Supply Actions & Stormwater Pilot		-	-	-	-	-	-
Conservation Program (cash funded portion)		-	-	-	-	-	-
Total Demand Management Costs		-	-	-	-	-	-
		-	-	-	-	-	-
Capital Financing		-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		43,801,442	3,534,052	20,788,540	19,478,850	-	43,801,442
G.O. Bond Debt Service		-	-	-	-	-	-
Debt Administration		399,551	32,237	189,630	177,683	-	399,551
Bond Defeasance		-	-	-	-	-	-
PAYGO		19,953,000	1,609,877	9,469,865	8,873,258	-	19,953,000
Total Capital Financing Costs		64,153,993	5,176,166	30,448,035	28,529,792	-	64,153,993
		-	-	-	-	-	-
Regional Recycled Water Program planning costs		-	-	-	-	-	-
		-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-
Operating Equipment		118,005	-	118,005	-	-	118,005
Succession Planning Labor Pool		66,769	-	66,769	-	-	66,769
OPEB\PERS Pre-Funding		-	-	-	-	-	-
Total Other Operating Costs		184,774	-	184,774	-	-	184,774
		-	-	-	-	-	-
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-
		-	-	-	-	-	-
Total General District Requirements		64,338,767	5,176,166	30,632,809	28,529,792	-	64,338,767
		-	-	-	-	-	-
REQUIREMENTS BEFORE OFFSETS:		72,389,173	5,176,166	38,683,215	28,529,792	-	72,389,173
		-	-	-	-	-	-
Revenue Offsets		-	-	-	-	-	-
Property Taxes - MWD Portion of SWC GO Debt Service		-	-	-	-	-	-
Property Taxes - MWD GO Debt Service		-	-	-	-	-	-
Interest on Investments		325,714	325,714	-	-	-	325,714
Hydro-Power Revenue		-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue		-	-	-	-	-	-
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	-	-	-	-	-
Misc. allocated to supply (PVID Lease)		-	-	-	-	-	-
Property Taxes - SWC		-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-
Annexation		-	-	-	-	-	-
Total Revenue Offsets		325,714	325,714	-	-	-	325,714
		-	-	-	-	-	-
NET REVENUE REQUIREMENTS:		72,063,459	4,850,452	38,683,215	28,529,792	-	72,063,459

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: C&A - Other C&A
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages				Total	
			Fixed			Variable Commodity		Hydroelectric
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		95,414	-	95,414	-	-	95,414	
Office of General Manager	Board of Directors	-	-	-	-	-	-	
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	
External Affairs	Legislative Services	-	-	-	-	-	-	
External Affairs	Media Communications Services	-	-	-	-	-	-	
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	
External Affairs	Conservation & Community Services	-	-	-	-	-	-	
Human Resources		167,609	-	167,609	-	-	167,609	
Water Systems Operations	Office of the Manager	-	-	-	-	-	-	
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	
Water Systems Operations	Office of the Manager, Operations Support Services	-	-	-	-	-	-	
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	
Water Systems Operations	Office of the Manager, Operations & Planning Section	-	-	-	-	-	-	
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	
Sustainability, Resilience & Inn		-	-	-	-	-	-	
Diversity, Equity & Inclusion		-	-	-	-	-	-	
Equal Employment Opportunity		-	-	-	-	-	-	
Office of the Chief Financial Of		-	-	-	-	-	-	
Business Technology	Office of Manager	-	-	-	-	-	-	
Engineering Services		5,953,026	-	5,953,026	-	-	5,953,026	
Business Technology	Administrative Services	-	-	-	-	-	-	
Business Technology	Information Technology	463,931	-	463,931	-	-	463,931	
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	
Ethics Office		-	-	-	-	-	-	
Real Property		-	-	-	-	-	-	
General Counsel		-	-	-	-	-	-	
General Auditor		-	-	-	-	-	-	
Total Departmental O&M	-	6,679,981	-	6,679,981	-	-	6,679,981	

Allocation Percentages: Storage - Other Than Power, Emergency
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					% Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		105,475	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bay Delta Initiatives	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		207,885	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	33,719	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	6,550	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	732,874	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	2,445	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Sustainability, Resilience & Innovation		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Diversity, Equity & Inclusion		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Equal Employment Opportunity		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		5,343,405	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	675,843	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Real Property		764,053	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		7,872,250	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Delta Conveyance - Other	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Contract	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs (cash funded portion)								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management (cash funded portion)								
Local Resources Program	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions & Stormwater Pilot	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Conservation Program (cash funded portion)	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Costs	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment	33,251,163	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service	-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Debt Administration	303,312	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance	-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
PAYGO	15,147,000	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Costs	48,701,475	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Regional Recycled Water Program planning costs								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs								
Operating Equipment	115,393	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Succession Planning Labor Pool	65,292	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding	-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs	180,685	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves								
	-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements								
	48,882,160	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:								
	56,754,410	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service	-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Property Taxes - MWD GO Debt Service	-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Interest on Investments	255,366	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease)	-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Property Taxes - SWC	-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P	-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Annexation	-	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets	255,366	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:								
-	56,499,044	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Storage - Other Than Power, Emergency
Fiscal Year Ending 2024

	Functionalization	Allocation Percentages					Total
		Fixed			Variable Commodity	Hydroelectric	
		Demand	Commodity	Standby			
Departmental O&M							
Group	Item						
Office of General Manager		105,475	-	105,475	-	-	105,475
Office of General Manager	Board of Directors	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-
Human Resources		207,885	-	207,885	-	-	207,885
Water Systems Operations	Office of the Manager	33,719	-	33,719	-	-	33,719
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	6,550	-	6,550	-	-	6,550
Water Systems Operations	Operations Support Services	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	732,874	-	732,874	-	-	732,874
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	2,445	-	2,445	-	-	2,445
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-
Engineering Services		5,343,405	-	5,343,405	-	-	5,343,405
Business Technology	Administrative Services	-	-	-	-	-	-
Business Technology	Information Technology	675,843	-	675,843	-	-	675,843
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-
Real Property		764,053	-	764,053	-	-	764,053
General Counsel		-	-	-	-	-	-
General Auditor		-	-	-	-	-	-
Total Departmental O&M	-	7,872,250	-	7,872,250	-	-	7,872,250
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-
		-	-	-	-	-	-
State Water Contract		-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-
Delta Conveyance - Other		-	-	-	-	-	-
Total State Water Contract		-	-	-	-	-	-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-
		-	-	-	-	-	-
Supply Programs (cash funded portion)		-	-	-	-	-	-
Demand Management (cash funded portion)		-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-
Future Supply Actions & Stormwater Pilot		-	-	-	-	-	-
Conservation Program (cash funded portion)		-	-	-	-	-	-
Total Demand Management Costs		-	-	-	-	-	-
Capital Financing		-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		33,251,163	-	33,251,163	-	-	33,251,163
G.O. Bond Debt Service		-	-	-	-	-	-
Debt Administration		303,312	-	303,312	-	-	303,312
Bond Defeasance		-	-	-	-	-	-
PAYGO		15,147,000	-	15,147,000	-	-	15,147,000
Total Capital Financing Costs		48,701,475	-	48,701,475	-	-	48,701,475
Regional Recycled Water Program planning costs		-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-
Operating Equipment		115,393	-	115,393	-	-	115,393
Succession Planning Labor Pool		65,292	-	65,292	-	-	65,292
OPEB\PERS Pre-Funding		-	-	-	-	-	-
Total Other Operating Costs		180,685	-	180,685	-	-	180,685
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-
Total General District Requirements		48,882,160	-	48,882,160	-	-	48,882,160
REQUIREMENTS BEFORE OFFSETS:		56,754,410	-	7,872,250	48,882,160	-	56,754,410
Revenue Offsets		-	-	-	-	-	-
Property Taxes - MWD Portion of SWC GO Debt Service		-	-	-	-	-	-
Property Taxes - MWD GO Debt Service		-	-	-	-	-	-
Interest on Investments		255,366	-	255,366	-	-	255,366
Hydro-Power Revenue		-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue		-	-	-	-	-	-
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	-	-	-	-	-
Misc. allocated to supply (PVID Lease)		-	-	-	-	-	-
Property Taxes - SWC		-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-
Annexation		-	-	-	-	-	-
Total Revenue Offsets		255,366	-	255,366	-	-	255,366
NET REVENUE REQUIREMENTS:		56,499,044	-	7,872,250	48,626,794	-	56,499,044

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Storage - Other Than Power, Emergency
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		93,303	-	93,303	-	-	-	93,303
Office of General Manager	Board of Directors	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-
Human Resources		163,900	-	163,900	-	-	-	163,900
Water Systems Operations	Office of the Manager	24,804	-	24,804	-	-	-	24,804
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	5,015	-	5,015	-	-	-	5,015
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	606,581	-	606,581	-	-	-	606,581
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	2,230	-	2,230	-	-	-	2,230
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-
Engineering Services		4,519,144	-	4,519,144	-	-	-	4,519,144
Business Technology	Administrative Services	-	-	-	-	-	-	-
Business Technology	Information Technology	453,665	-	453,665	-	-	-	453,665
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-
Real Property		331,527	-	331,527	-	-	-	331,527
General Counsel		-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-
Total Departmental O&M	-	6,200,170	-	6,200,170	-	-	-	6,200,170

Allocation Percentages: Storage - Other Than Power, Drought
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					% Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		81,622	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bay Delta Initiatives	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		160,873	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	33,719	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	6,550	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	732,874	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	2,445	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Sustainability, Resilience & Innovation		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Diversity, Equity & Inclusion		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Equal Employment Opportunity		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		3,243,190	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	523,005	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Real Property		1,307,707	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		6,091,986	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Delta Conveyance - Other	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Contract		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs (cash funded portion)		11,720,987	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Demand Management (cash funded portion)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Future Supply Actions & Stormwater Pilot	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Conservation Program (cash funded portion)	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment	20,181,855	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Debt Administration	184,096	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
PAYGO	9,193,500	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Costs		29,559,451	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Regional Recycled Water Program planning costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs								
Operating Equipment	89,298	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Succession Planning Labor Pool	50,526	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB/PERS Pre-Funding	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		139,824	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements		41,420,263	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		47,512,249	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - MWD GO Debt Service	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Interest on Investments	213,781	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease)	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Property Taxes - SWC	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Annexation	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets		213,781	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:		-	47,298,468	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Storage - Other Than Power, Drought
Fiscal Year Ending 2024

	Functionalization	Allocation Percentages					Total
		Fixed			Variable Commodity	Hydroelectric	
		Demand	Commodity	Standby			
Departmental O&M							
Group	Item						
Office of General Manager		81,622	-	81,622	-	-	81,622
Office of General Manager	Board of Directors	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-
Human Resources		160,873	-	160,873	-	-	160,873
Water Systems Operations	Office of the Manager	33,719	-	33,719	-	-	33,719
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	6,550	-	6,550	-	-	6,550
Water Systems Operations	Operations Support Services	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	732,874	-	732,874	-	-	732,874
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	2,445	-	2,445	-	-	2,445
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-
Engineering Services		3,243,190	-	3,243,190	-	-	3,243,190
Business Technology	Administrative Services	-	-	-	-	-	-
Business Technology	Information Technology	523,005	-	523,005	-	-	523,005
Water Resources Management	Resource Planning & Development	-	-	-	-	-	-
Water Resources Management	Resource Implementation	-	-	-	-	-	-
Water Resources Management	Office of the Group Manager	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-
Real Property		1,307,707	-	1,307,707	-	-	1,307,707
General Counsel		-	-	-	-	-	-
General Auditor		-	-	-	-	-	-
Total Departmental O&M	-	6,091,986	-	6,091,986	-	-	6,091,986
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-
State Water Contract		-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-
Delta Conveyance - Other		-	-	-	-	-	-
Total State Water Contract		-	-	-	-	-	-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-
Supply Programs (cash funded portion)		11,720,987	-	11,720,987	-	-	11,720,987
Demand Management (cash funded portion)		-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-
Future Supply Actions & Stormwater Pilot		-	-	-	-	-	-
Conservation Program (cash funded portion)		-	-	-	-	-	-
Total Demand Management Costs		-	-	-	-	-	-
Capital Financing		-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		20,181,855	-	20,181,855	-	-	20,181,855
G.O. Bond Debt Service		-	-	-	-	-	-
Debt Administration		184,096	-	184,096	-	-	184,096
Bond Defeasance		-	-	-	-	-	-
PAYGO		9,193,500	-	9,193,500	-	-	9,193,500
Total Capital Financing Costs		29,559,451	-	29,559,451	-	-	29,559,451
Regional Recycled Water Program planning costs		-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-
Operating Equipment		89,298	-	89,298	-	-	89,298
Succession Planning Labor Pool		50,526	-	50,526	-	-	50,526
OPEB\PERS Pre-Funding		-	-	-	-	-	-
Total Other Operating Costs		139,824	-	139,824	-	-	139,824
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-
Total General District Requirements		41,420,263	-	41,420,263	-	-	41,420,263
REQUIREMENTS BEFORE OFFSETS:		47,512,249	-	47,512,249	-	-	47,512,249
Revenue Offsets		-	-	-	-	-	-
Property Taxes - MWD Portion of SWC GO Debt Service		-	-	-	-	-	-
Property Taxes - MWD GO Debt Service		-	-	-	-	-	-
Interest on Investments		213,781	-	213,781	-	-	213,781
Hydro-Power Revenue		-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue		-	-	-	-	-	-
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	-	-	-	-	-
Misc. allocated to supply (PVID Lease)		-	-	-	-	-	-
Property Taxes - SWC		-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-
Annexation		-	-	-	-	-	-
Total Revenue Offsets		213,781	-	213,781	-	-	213,781
NET REVENUE REQUIREMENTS:		47,298,468	-	47,298,468	-	-	47,298,468

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Storage - Other Than Power, Drought
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		72,203	-	72,203	-	-	-	72,203
Office of General Manager	Board of Directors	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-
Human Resources		126,835	-	126,835	-	-	-	126,835
Water Systems Operations	Office of the Manager	24,804	-	24,804	-	-	-	24,804
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	5,015	-	5,015	-	-	-	5,015
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	606,581	-	606,581	-	-	-	606,581
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	2,230	-	2,230	-	-	-	2,230
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-
Engineering Services		2,742,903	-	2,742,903	-	-	-	2,742,903
Business Technology	Administrative Services	-	-	-	-	-	-	-
Business Technology	Information Technology	351,071	-	351,071	-	-	-	351,071
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-
Real Property		567,421	-	567,421	-	-	-	567,421
General Counsel		-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-
Total Departmental O&M	-	4,499,064	-	4,499,064	-	-	-	4,499,064

Allocation Percentages: Storage - Other Than Power, Regulatory
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					% Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
	Office of General Manager	56,459	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Office of General Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	External Affairs	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	External Affairs	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	External Affairs	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	External Affairs	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Human Resources	111,278	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	33,719	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	6,550	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	Water Systems Operations	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%

Allocation of Revenue Requirements: Storage - Other Than Power, Regulatory
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
	Office of General Manager	56,459	-	56,459	-	-	-	56,459
	Office of General Manager	-	-	-	-	-	-	-
	Bay Delta Initiatives	-	-	-	-	-	-	-
	External Affairs	-	-	-	-	-	-	-
	External Affairs	-	-	-	-	-	-	-
	External Affairs	-	-	-	-	-	-	-
	External Affairs	-	-	-	-	-	-	-
	Human Resources	111,278	-	111,278	-	-	-	111,278
	Water Systems Operations	33,719	-	33,719	-	-	-	33,719
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	6,550	-	6,550	-	-	-	6,550
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-	-	-	-	-	-	-
	Water Systems Operations	-</						

Direct Labor used for A&G Allocation

Allocation of Revenue Requirements: Storage - Other Than Power, Regulatory

Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		49,944	-	49,944	-	-	-	49,944
Office of General Manager	Board of Directors	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-
Human Resources		87,734	-	87,734	-	-	-	87,734
Water Systems Operations	Office of the Manager	24,804	-	24,804	-	-	-	24,804
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	5,015	-	5,015	-	-	-	5,015
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	606,581	-	606,581	-	-	-	606,581
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	2,230	-	2,230	-	-	-	2,230
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-
Engineering Services		2,199,156	-	2,199,156	-	-	-	2,199,156
Business Technology	Administrative Services	-	-	-	-	-	-	-
Business Technology	Information Technology	242,841	-	242,841	-	-	-	242,841
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-
Real Property		133,886	-	133,886	-	-	-	133,886
General Counsel		-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-
Total Departmental O&M	-	3,352,192	-	3,352,192	-	-	-	3,352,192

Allocation Percentages: Storage - Power
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					% Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Bay Delta Initiatives	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	100.0%	
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	100.0%	
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	100.0%	
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	100.0%	
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Human Resources	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
Water Systems Operations	Office of the Manager	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	Office of the Manager, Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	Water Quality Section	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	Office of the Manager, Operations & Planning Section	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Sustainability, Resilience & Innovation	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
Diversity, Equity & Inclusion	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
Equal Employment Opportunity	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
Office of the Chief Financial Officer	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Engineering Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Business Technology	Information Technology	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	100.0%	
Ethics Office	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
Real Property	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
General Counsel	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
General Auditor	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
Total Departmental O&M	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
Supply - Capital	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
Power - O&M & Off-Aq Capital	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
Power - Capital (less Off-Aq)	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
Transmission - Capital - Commodity, Demand, & Standby	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
Transmission - O&M - Commodity only	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Delta Conveyance - Other	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Total State Water Contract	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Colorado River Aqueduct Power Costs	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
Supply Programs (cash funded portion)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Demand Management (cash funded portion)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Local Resources Program	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
Future Supply Actions & Stormwater Pilot	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
Conservation Program (cash funded portion)	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
Total Demand Management Costs	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Capital Financing	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Revenue Bond Debt Service net of BABs Interest Subsidy Payment	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
G.O. Bond Debt Service	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Debt Administration	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Bond Defeasance	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
PAYGO	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Total Capital Financing Costs	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Regional Recycled Water Program planning costs	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Other Operating Costs	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
Operating Equipment	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
Succession Planning Labor Pool	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
OPEB\IPERS Pre-Funding	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
Total Other Operating Costs	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Increase/(Decrease) in Required Reserves	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Total General District Requirements	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
REQUIREMENTS BEFORE OFFSETS:	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Revenue Offsets	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Property Taxes - MWD Portion of SWC GO Debt Service	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Property Taxes - MWD GO Debt Service	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Interest on Investments	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Hydro-Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
CRA Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Wadsworth Pumping Plant (DVL) Power Revenue	545,067	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%	
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Misc. allocated to supply (PVID Lease)	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%	
Property Taxes - SWC	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Revenue Reserve used for Revenue Bonds - I&P	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Annexation	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Total Revenue Offsets	545,067	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
NET REVENUE REQUIREMENTS:	-	(545,067)	0.0%	0.0%	0.0%	0.0%	0.0%	

Allocation of Revenue Requirements: Storage - Power
Fiscal Year Ending 2024

	Functionalization	Allocation Percentages					Total
		Fixed			Variable Commodity	Hydroelectric	
		Demand	Commodity	Standby			
Departmental O&M							
Group	Item						
Office of General Manager		-	-	-	-	-	-
Office of General Manager	Board of Directors	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-
Human Resources		-	-	-	-	-	-
Water Systems Operations	Office of the Manager	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	-	-	-	-	-	-
Water Systems Operations	Operations Support Services	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Secti	-	-	-	-	-	-
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-
Engineering Services		-	-	-	-	-	-
Business Technology	Administrative Services	-	-	-	-	-	-
Business Technology	Information Technology	-	-	-	-	-	-
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-
Real Property		-	-	-	-	-	-
General Counsel		-	-	-	-	-	-
General Auditor		-	-	-	-	-	-
Total Departmental O&M	-	-	-	-	-	-	-
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-
State Water Contract		-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-
Delta Conveyance - Other		-	-	-	-	-	-
Total State Water Contract		-	-	-	-	-	-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-
Supply Programs (cash funded portion)		-	-	-	-	-	-
Demand Management (cash funded portion)		-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-
Future Supply Actions & Stormwater Pilot		-	-	-	-	-	-
Conservation Program (cash funded portion)		-	-	-	-	-	-
Total Demand Management Costs		-	-	-	-	-	-
Capital Financing		-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		-	-	-	-	-	-
G.O. Bond Debt Service		-	-	-	-	-	-
Debt Administration		-	-	-	-	-	-
Bond Defeasance		-	-	-	-	-	-
PAYGO		-	-	-	-	-	-
Total Capital Financing Costs		-	-	-	-	-	-
Regional Recycled Water Program planning costs		-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-
Operating Equipment		-	-	-	-	-	-
Succession Planning Labor Pool		-	-	-	-	-	-
OPEB\PERS Pre-Funding		-	-	-	-	-	-
Total Other Operating Costs		-	-	-	-	-	-
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-
Total General District Requirements		-	-	-	-	-	-
REQUIREMENTS BEFORE OFFSETS:		-	-	-	-	-	-
Revenue Offsets		-	-	-	-	-	-
Property Taxes - MWD Portion of SWC GO Debt Service		-	-	-	-	-	-
Property Taxes - MWD GO Debt Service		-	-	-	-	-	-
Interest on Investments		-	-	-	-	-	-
Hydro-Power Revenue		-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue	545,067	-	-	-	545,067	-	545,067
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)	-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease)	-	-	-	-	-	-	-
Property Taxes - SWC	-	-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P	-	-	-	-	-	-	-
Annexation	-	-	-	-	-	-	-
Total Revenue Offsets	545,067	-	-	-	545,067	-	545,067
NET REVENUE REQUIREMENTS:	(545,067)	-	-	-	(545,067)	-	(545,067)

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Storage - Power
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		-	-	-	-	-	-	-
Office of General Manager	Board of Directors	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-
Human Resources		-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	-	-	-	-	-	-	-
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	-	-	-	-	-	-	-
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-
Engineering Services		-	-	-	-	-	-	-
Business Technology	Administrative Services	-	-	-	-	-	-	-
Business Technology	Information Technology	-	-	-	-	-	-	-
Water Resources Management	Resource Planning & Development	-	-	-	-	-	-	-
Water Resources Management	Resource Implementation	-	-	-	-	-	-	-
Water Resources Management	Office of the Group Manager	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-
Total Departmental O&M	-	-	-	-	-	-	-	-

Allocation Percentages: Treatment - Jensen
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					% Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		413,895	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bay Delta Initiatives	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		815,764	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	839,573	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	217,253	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	163,090	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	101,784	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	17,789,405	0.0%	63.8%	0.0%	36.2%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	56.0%	0.0%	44.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	78.3%	0.0%	21.7%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	64.9%	0.0%	35.1%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	63.8%	0.0%	36.2%	0.0%	100.0%
Water Systems Operations	Water Quality Section	2,969,569	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	150,068	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	1,349,982	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	576,957	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	291,082	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	60,883	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Sustainability, Resilience & Innovation		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Diversity, Equity & Inclusion		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Equal Employment Opportunity		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		2,500,256	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	2,652,089	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		30,891,650	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Delta Conveyance - Other		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Contract		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs								
		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs (cash funded portion)								
		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management (cash funded portion)								
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions & Stormwater Pilot		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Conservation Program (cash funded portion)		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing								
		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		15,558,699	31.8%	29.5%	38.7%	0.0%	0.0%	100.0%
G.O. Bond Debt Service		103,202	31.8%	29.5%	38.7%	0.0%	0.0%	100.0%
Debt Administration		141,924	31.8%	29.5%	38.7%	0.0%	0.0%	100.0%
Bond Defeasance		-	31.8%	29.5%	38.7%	0.0%	0.0%	100.0%
PAYGO		7,087,500	31.8%	29.5%	38.7%	0.0%	0.0%	100.0%
Total Capital Financing Costs		22,891,325	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Regional Recycled Water Program planning costs								
		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs								
Operating Equipment		452,818	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Succession Planning Labor Pool		256,212	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
OPEB/PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		709,030	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves								
		-	30.9%	31.6%	37.5%	0.0%	0.0%	100.0%
Total General District Requirements								
		23,600,355	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:								
		54,492,005	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - MWD GO Debt Service		103,202	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
Interest on Investments		245,186	31.8%	29.5%	38.7%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - SWC		-	31.8%	29.5%	38.7%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	31.8%	29.5%	38.7%	0.0%	0.0%	100.0%
Annexation		-	31.8%	29.5%	38.7%	0.0%	0.0%	100.0%
Total Revenue Offsets		348,388	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:								
-		54,143,617	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Treatment - Jensen
Fiscal Year Ending 2024

	Functionalization	Allocation Percentages					Total
		Fixed			Variable Commodity	Hydroelectric	
		Demand	Commodity	Standby			
Departmental O&M							
Group	Item						
Office of General Manager		413,895	-	413,895	-	-	413,895
Office of General Manager	Board of Directors	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-
Human Resources		815,764	-	815,764	-	-	815,764
Water Systems Operations	Office of the Manager	839,573	-	839,573	-	-	839,573
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	217,253	-	217,253	-	-	217,253
Water Systems Operations	Office of the Manager, Operations Support Services	163,090	-	163,090	-	-	163,090
Water Systems Operations	Operations Support Services	101,784	-	101,784	-	-	101,784
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	17,789,405	-	11,355,634	6,433,771	-	17,789,405
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	2,969,569	-	2,969,569	-	-	2,969,569
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	150,068	-	150,068	-	-	150,068
Water Systems Operations	Environmental Health & Safety Section	1,349,982	-	1,349,982	-	-	1,349,982
Water Systems Operations	OSS, Fleet Services Unit	576,957	-	576,957	-	-	576,957
Water Systems Operations	OSS, Power Support Unit	291,082	-	291,082	-	-	291,082
Water Systems Operations	Office of the Manager, Operations & Planning Secti	60,883	-	60,883	-	-	60,883
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-
Engineering Services		2,500,256	-	2,500,256	-	-	2,500,256
Business Technology	Administrative Services	-	-	-	-	-	-
Business Technology	Information Technology	2,652,089	-	2,652,089	-	-	2,652,089
Water Resources Management	Resource Planning & Development	-	-	-	-	-	-
Water Resources Management	Resource Implementation	-	-	-	-	-	-
Water Resources Management	Office of the Group Manager	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-
Real Property		-	-	-	-	-	-
General Counsel		-	-	-	-	-	-
General Auditor		-	-	-	-	-	-
Total Departmental O&M	-	30,891,650	-	24,457,879	6,433,771	-	30,891,650
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-
State Water Contract		-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-
Delta Conveyance - Other		-	-	-	-	-	-
Total State Water Contract		-	-	-	-	-	-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-
Supply Programs (cash funded portion)		-	-	-	-	-	-
Demand Management (cash funded portion)		-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-
Future Supply Actions & Stormwater Pilot		-	-	-	-	-	-
Conservation Program (cash funded portion)		-	-	-	-	-	-
Total Demand Management Costs		-	-	-	-	-	-
Capital Financing		-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		15,558,699	4,954,636	4,587,626	6,016,438	-	15,558,699
G.O. Bond Debt Service		103,202	32,864	30,430	39,907	-	103,202
Debt Administration		141,924	45,195	41,848	54,881	-	141,924
Bond Defeasance		-	-	-	-	-	-
PAYGO		7,087,500	2,257,000	2,089,815	2,740,686	-	7,087,500
Total Capital Financing Costs		22,891,325	7,289,695	6,749,718	8,851,912	-	22,891,325
Regional Recycled Water Program planning costs		-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-
Operating Equipment		452,818	-	452,818	-	-	452,818
Succession Planning Labor Pool		256,212	-	256,212	-	-	256,212
OPEB\PERS Pre-Funding		-	-	-	-	-	-
Total Other Operating Costs		709,030	-	709,030	-	-	709,030
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-
Total General District Requirements		23,600,355	7,289,695	7,458,748	8,851,912	-	23,600,355
REQUIREMENTS BEFORE OFFSETS:		54,492,005	7,289,695	31,916,627	8,851,912	6,433,771	54,492,005
Revenue Offsets		-	-	-	-	-	-
Property Taxes - MWD Portion of SWC GO Debt Service		-	-	-	-	-	-
Property Taxes - MWD GO Debt Service		103,202	-	-	103,202	-	103,202
Interest on Investments		245,186	78,079	72,295	94,812	-	245,186
Hydro-Power Revenue		-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue		-	-	-	-	-	-
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	-	-	-	-	-
Misc. allocated to supply (PVID Lease)		-	-	-	-	-	-
Property Taxes - SWC		-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-
Annexation		-	-	-	-	-	-
Total Revenue Offsets		348,388	78,079	72,295	198,014	-	348,388
NET REVENUE REQUIREMENTS:		54,143,617	7,211,616	31,844,332	8,653,899	6,433,771	54,143,617

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Treatment - Jensen
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		366,132	-	366,132	-	-	-	366,132
Office of General Manager	Board of Directors	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-
Human Resources		643,164	-	643,164	-	-	-	643,164
Water Systems Operations	Office of the Manager	617,595	-	617,595	-	-	-	617,595
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	79,692	-	79,692	-	-	-	79,692
Water Systems Operations	Office of the Manager, Operations Support Services	124,873	-	124,873	-	-	-	124,873
Water Systems Operations	Operations Support Services	92,331	-	92,331	-	-	-	92,331
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	10,662,831	-	10,662,831	-	-	-	10,662,831
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	2,457,836	-	2,457,836	-	-	-	2,457,836
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	138,102	-	138,102	-	-	-	138,102
Water Systems Operations	Environmental Health & Safety Section	1,054,543	-	1,054,543	-	-	-	1,054,543
Water Systems Operations	OSS, Fleet Services Unit	354,072	-	354,072	-	-	-	354,072
Water Systems Operations	OSS, Power Support Unit	263,716	-	263,716	-	-	-	263,716
Water Systems Operations	Office of the Manager, Operations & Planning Section	55,520	-	55,520	-	-	-	55,520
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-
Engineering Services		2,114,573	-	2,114,573	-	-	-	2,114,573
Business Technology	Administrative Services	-	-	-	-	-	-	-
Business Technology	Information Technology	1,780,234	-	1,780,234	-	-	-	1,780,234
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-
Total Departmental O&M	-	20,805,214	-	20,805,214	-	-	-	20,805,214

Allocation Percentages: Treatment - Weymouth
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					% Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		414,685	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bay Delta Initiatives	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		817,321	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	863,280	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	225,878	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	167,695	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	101,784	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	63.8%	0.0%	36.2%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	56.0%	0.0%	44.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	78.3%	0.0%	21.7%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	64.9%	0.0%	35.1%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	17,673,721	0.0%	63.8%	0.0%	36.2%	0.0%	100.0%
Water Systems Operations	Water Quality Section	2,969,569	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	150,068	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	1,349,982	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	576,957	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	291,082	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	62,603	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Sustainability, Resilience & Innovation		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Diversity, Equity & Inclusion		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Equal Employment Opportunity		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		2,628,841	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	2,657,151	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		30,950,616	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Delta Conveyance - Other	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Contract	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs (cash funded portion)								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management (cash funded portion)								
Local Resources Program	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Future Supply Actions & Stormwater Pilot	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Conservation Program (cash funded portion)	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Costs	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment	16,358,861	31.8%	29.5%	38.7%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service	108,509	31.8%	29.5%	38.7%	0.0%	0.0%	0.0%	100.0%
Debt Administration	149,223	31.8%	29.5%	38.7%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance	-	31.8%	29.5%	38.7%	0.0%	0.0%	0.0%	100.0%
PAYGO	7,452,000	31.8%	29.5%	38.7%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Costs	24,068,593	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Regional Recycled Water Program planning costs								
	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs								
Operating Equipment	453,682	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Succession Planning Labor Pool	256,702	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB/PERS Pre-Funding	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs	710,384	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves								
	-	30.9%	31.5%	37.6%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements								
	24,778,977	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:								
	55,729,593	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - MWD GO Debt Service	108,509	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Interest on Investments	250,755	31.8%	29.5%	38.7%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease)	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - SWC	-	31.8%	29.5%	38.7%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P	-	31.8%	29.5%	38.7%	0.0%	0.0%	0.0%	100.0%
Annexation	-	31.8%	29.5%	38.7%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets	359,264	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:								
-	55,370,328	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Treatment - Weymouth
Fiscal Year Ending 2024

	Functionalization	Allocation Percentages					Total
		Fixed			Variable Commodity	Hydroelectric	
		Demand	Commodity	Standby			
Departmental O&M							
Group	Item						
Office of General Manager		414,685	-	414,685	-	-	414,685
Office of General Manager	Board of Directors	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-
Human Resources		817,321	-	817,321	-	-	817,321
Water Systems Operations	Office of the Manager	863,280	-	863,280	-	-	863,280
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	225,878	-	225,878	-	-	225,878
Water Systems Operations	Office of the Manager, Operations Support Services	167,695	-	167,695	-	-	167,695
Water Systems Operations	Operations Support Services	101,784	-	101,784	-	-	101,784
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	17,673,721	-	11,272,501	6,401,220	-	17,673,721
Water Systems Operations	Water Quality Section	2,969,569	-	2,969,569	-	-	2,969,569
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	150,068	-	150,068	-	-	150,068
Water Systems Operations	Environmental Health & Safety Section	1,349,982	-	1,349,982	-	-	1,349,982
Water Systems Operations	OSS, Fleet Services Unit	576,957	-	576,957	-	-	576,957
Water Systems Operations	OSS, Power Support Unit	291,082	-	291,082	-	-	291,082
Water Systems Operations	Office of the Manager, Operations & Planning Secti	62,603	-	62,603	-	-	62,603
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-
Engineering Services		2,628,841	-	2,628,841	-	-	2,628,841
Business Technology	Administrative Services	-	-	-	-	-	-
Business Technology	Information Technology	2,657,151	-	2,657,151	-	-	2,657,151
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-
Real Property		-	-	-	-	-	-
General Counsel		-	-	-	-	-	-
General Auditor		-	-	-	-	-	-
Total Departmental O&M	-	30,950,616	-	24,549,396	6,401,220	-	30,950,616
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-
State Water Contract		-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-
Delta Conveyance - Other		-	-	-	-	-	-
Total State Water Contract		-	-	-	-	-	-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-
Supply Programs (cash funded portion)		-	-	-	-	-	-
Demand Management (cash funded portion)		-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-
Future Supply Actions & Stormwater Pilot		-	-	-	-	-	-
Conservation Program (cash funded portion)		-	-	-	-	-	-
Total Demand Management Costs		-	-	-	-	-	-
Capital Financing		-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		16,358,861	5,209,445	4,823,561	6,325,855	-	16,358,861
G.O. Bond Debt Service		108,509	34,555	31,995	41,960	-	108,509
Debt Administration		149,223	47,520	44,000	57,704	-	149,223
Bond Defeasance		-	-	-	-	-	-
PAYGO		7,452,000	2,373,074	2,197,291	2,881,635	-	7,452,000
Total Capital Financing Costs		24,068,593	7,664,594	7,096,846	9,307,153	-	24,068,593
Regional Recycled Water Program planning costs		-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-
Operating Equipment		453,682	-	453,682	-	-	453,682
Succession Planning Labor Pool		256,702	-	256,702	-	-	256,702
OPEB\PERS Pre-Funding		-	-	-	-	-	-
Total Other Operating Costs		710,384	-	710,384	-	-	710,384
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-
Total General District Requirements		24,778,977	7,664,594	7,807,230	9,307,153	-	24,778,977
REQUIREMENTS BEFORE OFFSETS:		55,729,593	7,664,594	32,356,626	9,307,153	6,401,220	55,729,593
Revenue Offsets		-	-	-	-	-	-
Property Taxes - MWD Portion of SWC GO Debt Service		-	-	-	-	-	-
Property Taxes - MWD GO Debt Service		108,509	-	-	108,509	-	108,509
Interest on Investments		250,755	79,852	73,937	96,965	-	250,755
Hydro-Power Revenue		-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue		-	-	-	-	-	-
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	-	-	-	-	-
Misc. allocated to supply (PVID Lease)		-	-	-	-	-	-
Property Taxes - SWC		-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-
Annexation		-	-	-	-	-	-
Total Revenue Offsets		359,264	79,852	73,937	205,474	-	359,264
NET REVENUE REQUIREMENTS:		55,370,328	7,584,742	32,282,688	9,101,679	6,401,220	55,370,328

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Treatment - Weymouth
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		366,831	-	366,831	-	-	-	366,831
Office of General Manager	Board of Directors	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-
Human Resources		644,392	-	644,392	-	-	-	644,392
Water Systems Operations	Office of the Manager	635,034	-	635,034	-	-	-	635,034
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	82,856	-	82,856	-	-	-	82,856
Water Systems Operations	Office of the Manager, Operations Support Services	128,399	-	128,399	-	-	-	128,399
Water Systems Operations	Operations Support Services	92,331	-	92,331	-	-	-	92,331
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	11,086,136	-	11,086,136	-	-	-	11,086,136
Water Systems Operations	Water Quality Section	2,457,836	-	2,457,836	-	-	-	2,457,836
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	138,102	-	138,102	-	-	-	138,102
Water Systems Operations	Environmental Health & Safety Section	1,054,543	-	1,054,543	-	-	-	1,054,543
Water Systems Operations	OSS, Fleet Services Unit	354,072	-	354,072	-	-	-	354,072
Water Systems Operations	OSS, Power Support Unit	263,716	-	263,716	-	-	-	263,716
Water Systems Operations	Office of the Manager, Operations & Planning Section	57,088	-	57,088	-	-	-	57,088
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-
Engineering Services		2,223,322	-	2,223,322	-	-	-	2,223,322
Business Technology	Administrative Services	-	-	-	-	-	-	-
Business Technology	Information Technology	1,783,632	-	1,783,632	-	-	-	1,783,632
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-
Total Departmental O&M	-	21,368,290	-	21,368,290	-	-	-	21,368,290

Allocation Percentages: Treatment - Diemer
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					% Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		440,192	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bay Delta Initiatives	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		867,595	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	816,043	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	208,693	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	158,519	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	101,784	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	63.8%	0.0%	36.2%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	18,872,408	0.0%	56.0%	0.0%	44.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	78.3%	0.0%	21.7%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	64.9%	0.0%	35.1%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	63.8%	0.0%	36.2%	0.0%	100.0%
Water Systems Operations	Water Quality Section	2,969,569	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	150,068	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	1,349,982	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	576,957	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	291,082	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	59,177	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Sustainability, Resilience & Innovation		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Diversity, Equity & Inclusion		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Equal Employment Opportunity		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		3,171,754	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	2,820,595	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		32,854,418	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Delta Conveyance - Other		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Contract		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs								
		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs (cash funded portion)								
		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management (cash funded portion)								
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions & Stormwater Pilot		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Conservation Program (cash funded portion)		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing								
		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		19,737,321	31.8%	29.5%	38.7%	0.0%	0.0%	100.0%
G.O. Bond Debt Service		130,919	31.8%	29.5%	38.7%	0.0%	0.0%	100.0%
Debt Administration		180,041	31.8%	29.5%	38.7%	0.0%	0.0%	100.0%
Bond Defeasance		-	31.8%	29.5%	38.7%	0.0%	0.0%	100.0%
PAYGO		8,991,000	31.8%	29.5%	38.7%	0.0%	0.0%	100.0%
Total Capital Financing Costs		29,039,281	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Regional Recycled Water Program planning costs								
		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs								
Operating Equipment		481,588	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Succession Planning Labor Pool		272,491	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
OPEB/PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		754,080	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves								
		-	31.0%	31.3%	37.7%	0.0%	0.0%	100.0%
Total General District Requirements								
		29,793,361	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:								
		62,647,779	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - MWD GO Debt Service		130,919	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
Interest on Investments		281,883	31.8%	29.5%	38.7%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - SWC		-	31.8%	29.5%	38.7%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	31.8%	29.5%	38.7%	0.0%	0.0%	100.0%
Annexation		-	31.8%	29.5%	38.7%	0.0%	0.0%	100.0%
Total Revenue Offsets		412,802	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:								
-		62,234,977	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Treatment - Diemer
Fiscal Year Ending 2024

	Functionalization	Allocation Percentages					Total
		Fixed			Variable Commodity	Hydroelectric	
		Demand	Commodity	Standby			
Departmental O&M							
Group	Item						
Office of General Manager		440,192	-	440,192	-	-	440,192
Office of General Manager	Board of Directors	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-
Human Resources		867,595	-	867,595	-	-	867,595
Water Systems Operations	Office of the Manager	816,043	-	816,043	-	-	816,043
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	208,693	-	208,693	-	-	208,693
Water Systems Operations	Office of the Manager, Operations Support Services	158,519	-	158,519	-	-	158,519
Water Systems Operations	Operations Support Services	101,784	-	101,784	-	-	101,784
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	18,872,408	-	10,567,402	8,305,006	-	18,872,408
Water Systems Operations	Treatment Mills	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	2,969,569	-	2,969,569	-	-	2,969,569
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	150,068	-	150,068	-	-	150,068
Water Systems Operations	Environmental Health & Safety Section	1,349,982	-	1,349,982	-	-	1,349,982
Water Systems Operations	OSS, Fleet Services Unit	576,957	-	576,957	-	-	576,957
Water Systems Operations	OSS, Power Support Unit	291,082	-	291,082	-	-	291,082
Water Systems Operations	Office of the Manager, Operations & Planning Secti	59,177	-	59,177	-	-	59,177
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-
Engineering Services		3,171,754	-	3,171,754	-	-	3,171,754
Business Technology	Administrative Services	-	-	-	-	-	-
Business Technology	Information Technology	2,820,595	-	2,820,595	-	-	2,820,595
Water Resources Management	Resource Planning & Development	-	-	-	-	-	-
Water Resources Management	Resource Implementation	-	-	-	-	-	-
Water Resources Management	Office of the Group Manager	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-
Real Property		-	-	-	-	-	-
General Counsel		-	-	-	-	-	-
General Auditor		-	-	-	-	-	-
Total Departmental O&M	-	32,854,418	-	24,549,412	8,305,006	-	32,854,418
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-
State Water Contract		-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-
Delta Conveyance - Other		-	-	-	-	-	-
Total State Water Contract		-	-	-	-	-	-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-
Supply Programs (cash funded portion)		-	-	-	-	-	-
Demand Management (cash funded portion)		-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-
Future Supply Actions & Stormwater Pilot		-	-	-	-	-	-
Conservation Program (cash funded portion)		-	-	-	-	-	-
Total Demand Management Costs		-	-	-	-	-	-
Capital Financing		-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		19,737,321	6,285,309	5,819,731	7,632,281	-	19,737,321
G.O. Bond Debt Service		130,919	41,691	38,603	50,625	-	130,919
Debt Administration		180,041	57,334	53,087	69,621	-	180,041
Bond Defeasance		-	-	-	-	-	-
PAYGO		8,991,000	2,863,165	2,651,079	3,476,756	-	8,991,000
Total Capital Financing Costs		29,039,281	9,247,499	8,562,499	11,229,283	-	29,039,281
Regional Recycled Water Program planning costs		-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-
Operating Equipment		481,588	-	481,588	-	-	481,588
Succession Planning Labor Pool		272,491	-	272,491	-	-	272,491
OPEB\PERS Pre-Funding		-	-	-	-	-	-
Total Other Operating Costs		754,080	-	754,080	-	-	754,080
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-
Total General District Requirements		29,793,361	9,247,499	9,316,579	11,229,283	-	29,793,361
REQUIREMENTS BEFORE OFFSETS:		62,647,779	9,247,499	33,865,991	11,229,283	8,305,006	62,647,779
Revenue Offsets		-	-	-	-	-	-
Property Taxes - MWD Portion of SWC GO Debt Service		-	-	-	-	-	-
Property Taxes - MWD GO Debt Service		130,919	-	-	130,919	-	130,919
Interest on Investments		281,883	89,765	83,116	109,002	-	281,883
Hydro-Power Revenue		-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue		-	-	-	-	-	-
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	-	-	-	-	-
Misc. allocated to supply (PVID Lease)		-	-	-	-	-	-
Property Taxes - SWC		-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-
Annexation		-	-	-	-	-	-
Total Revenue Offsets		412,802	89,765	83,116	239,921	-	412,802
NET REVENUE REQUIREMENTS:		62,234,977	9,157,734	33,782,876	10,989,362	8,305,006	62,234,977

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Treatment - Diemer
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		389,395	-	389,395	-	-	-	389,395
Office of General Manager	Board of Directors	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-
Human Resources		684,029	-	684,029	-	-	-	684,029
Water Systems Operations	Office of the Manager	600,286	-	600,286	-	-	-	600,286
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	76,552	-	76,552	-	-	-	76,552
Water Systems Operations	Office of the Manager, Operations Support Services	121,373	-	121,373	-	-	-	121,373
Water Systems Operations	Operations Support Services	92,331	-	92,331	-	-	-	92,331
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	10,242,693	-	10,242,693	-	-	-	10,242,693
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	2,457,836	-	2,457,836	-	-	-	2,457,836
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	138,102	-	138,102	-	-	-	138,102
Water Systems Operations	Environmental Health & Safety Section	1,054,543	-	1,054,543	-	-	-	1,054,543
Water Systems Operations	OSS, Fleet Services Unit	354,072	-	354,072	-	-	-	354,072
Water Systems Operations	OSS, Power Support Unit	263,716	-	263,716	-	-	-	263,716
Water Systems Operations	Office of the Manager, Operations & Planning Section	53,964	-	53,964	-	-	-	53,964
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-
Engineering Services		2,682,487	-	2,682,487	-	-	-	2,682,487
Business Technology	Administrative Services	-	-	-	-	-	-	-
Business Technology	Information Technology	1,893,345	-	1,893,345	-	-	-	1,893,345
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-
Total Departmental O&M	-	21,104,724	-	21,104,724	-	-	-	21,104,724

Allocation Percentages: Treatment - Mills
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					% Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		312,732	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bay Delta Initiatives	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		616,377	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	787,667	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	198,370	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	153,007	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	101,784	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	63.8%	0.0%	36.2%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	56.0%	0.0%	44.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	12,953,470	0.0%	78.3%	0.0%	21.7%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	64.9%	0.0%	35.1%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	63.8%	0.0%	36.2%	0.0%	100.0%
Water Systems Operations	Water Quality Section	2,969,569	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	150,068	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	1,349,982	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	576,957	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	291,082	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	57,119	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Sustainability, Resilience & Innovation		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Diversity, Equity & Inclusion		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Equal Employment Opportunity		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		819,132	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	2,003,872	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		23,341,188	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Delta Conveyance - Other		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Contract		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs								
		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs (cash funded portion)								
		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management (cash funded portion)								
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions & Stormwater Pilot		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Conservation Program (cash funded portion)		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing								
		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		5,097,326	31.8%	29.5%	38.7%	0.0%	0.0%	100.0%
G.O. Bond Debt Service		33,811	31.8%	29.5%	38.7%	0.0%	0.0%	100.0%
Debt Administration		46,497	31.8%	29.5%	38.7%	0.0%	0.0%	100.0%
Bond Defeasance		-	31.8%	29.5%	38.7%	0.0%	0.0%	100.0%
PAYGO		2,322,000	31.8%	29.5%	38.7%	0.0%	0.0%	100.0%
Total Capital Financing Costs		7,499,634	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Regional Recycled Water Program planning costs								
		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs								
Operating Equipment		342,141	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Succession Planning Labor Pool		193,590	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
OPEB\IPERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		535,731	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves								
		-	29.7%	34.2%	36.1%	0.0%	0.0%	100.0%
Total General District Requirements								
		8,035,365	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:								
		31,376,553	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - MWD GO Debt Service		33,811	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
Interest on Investments		141,178	31.8%	29.5%	38.7%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - SWC		-	31.8%	29.5%	38.7%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	31.8%	29.5%	38.7%	0.0%	0.0%	100.0%
Annexation		-	31.8%	29.5%	38.7%	0.0%	0.0%	100.0%
Total Revenue Offsets		174,989	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:								
-		31,201,563	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Treatment - Mills
Fiscal Year Ending 2024

	Functionalization	Allocation Percentages					Total
		Fixed			Variable Commodity	Hydroelectric	
		Demand	Commodity	Standby			
Departmental O&M							
Group	Item						
Office of General Manager		312,732	-	312,732	-	-	312,732
Office of General Manager	Board of Directors	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-
Human Resources		616,377	-	616,377	-	-	616,377
Water Systems Operations	Office of the Manager	787,667	-	787,667	-	-	787,667
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	198,370	-	198,370	-	-	198,370
Water Systems Operations	Office of the Manager, Operations Support Services	153,007	-	153,007	-	-	153,007
Water Systems Operations	Operations Support Services	101,784	-	101,784	-	-	101,784
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	12,953,470	-	10,146,852	2,806,618	-	12,953,470
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	2,969,569	-	2,969,569	-	-	2,969,569
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	150,068	-	150,068	-	-	150,068
Water Systems Operations	Environmental Health & Safety Section	1,349,982	-	1,349,982	-	-	1,349,982
Water Systems Operations	OSS, Fleet Services Unit	576,957	-	576,957	-	-	576,957
Water Systems Operations	OSS, Power Support Unit	291,082	-	291,082	-	-	291,082
Water Systems Operations	Office of the Manager, Operations & Planning Secti	57,119	-	57,119	-	-	57,119
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-
Engineering Services		819,132	-	819,132	-	-	819,132
Business Technology	Administrative Services	-	-	-	-	-	-
Business Technology	Information Technology	2,003,872	-	2,003,872	-	-	2,003,872
Water Resources Management	Resource Planning & Development	-	-	-	-	-	-
Water Resources Management	Resource Implementation	-	-	-	-	-	-
Water Resources Management	Office of the Group Manager	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-
Real Property		-	-	-	-	-	-
General Counsel		-	-	-	-	-	-
General Auditor		-	-	-	-	-	-
Total Departmental O&M	-	23,341,188	-	20,534,570	2,806,618	-	23,341,188
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-
		-	-	-	-	-	-
State Water Contract		-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-
Delta Conveyance - Other		-	-	-	-	-	-
Total State Water Contract		-	-	-	-	-	-
		-	-	-	-	-	-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-
		-	-	-	-	-	-
Supply Programs (cash funded portion)		-	-	-	-	-	-
		-	-	-	-	-	-
Demand Management (cash funded portion)		-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-
Future Supply Actions & Stormwater Pilot		-	-	-	-	-	-
Conservation Program (cash funded portion)		-	-	-	-	-	-
Total Demand Management Costs		-	-	-	-	-	-
		-	-	-	-	-	-
Capital Financing		-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		5,097,326	1,623,233	1,502,994	1,971,100	-	5,097,326
G.O. Bond Debt Service		33,811	10,767	9,969	13,074	-	33,811
Debt Administration		46,497	14,807	13,710	17,980	-	46,497
Bond Defeasance		-	-	-	-	-	-
PAYGO		2,322,000	739,436	684,663	897,901	-	2,322,000
Total Capital Financing Costs		7,499,634	2,388,243	2,211,336	2,900,055	-	7,499,634
		-	-	-	-	-	-
Regional Recycled Water Program planning costs		-	-	-	-	-	-
		-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-
Operating Equipment		342,141	-	342,141	-	-	342,141
Succession Planning Labor Pool		193,590	-	193,590	-	-	193,590
OPEB\PERS Pre-Funding		-	-	-	-	-	-
Total Other Operating Costs		535,731	-	535,731	-	-	535,731
		-	-	-	-	-	-
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-
		-	-	-	-	-	-
Total General District Requirements		8,035,365	2,388,243	2,747,067	2,900,055	-	8,035,365
		-	-	-	-	-	-
REQUIREMENTS BEFORE OFFSETS:		31,376,553	2,388,243	23,281,636	2,900,055	2,806,618	31,376,553
		-	-	-	-	-	-
Revenue Offsets		-	-	-	-	-	-
Property Taxes - MWD Portion of SWC GO Debt Service		-	-	-	-	-	-
Property Taxes - MWD GO Debt Service		33,811	-	-	33,811	-	33,811
Interest on Investments		141,178	44,958	41,628	54,593	-	141,178
Hydro-Power Revenue		-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue		-	-	-	-	-	-
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	-	-	-	-	-
Misc. allocated to supply (PVID Lease)		-	-	-	-	-	-
Property Taxes - SWC		-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-
Annexation		-	-	-	-	-	-
Total Revenue Offsets		174,989	44,958	41,628	88,404	-	174,989
		-	-	-	-	-	-
NET REVENUE REQUIREMENTS:		31,201,563	2,343,285	23,240,009	2,811,651	2,806,618	31,201,563

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Treatment - Mills
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		276,643	-	276,643	-	-	-	276,643
Office of General Manager	Board of Directors	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-
Human Resources		485,963	-	485,963	-	-	-	485,963
Water Systems Operations	Office of the Manager	579,413	-	579,413	-	-	-	579,413
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	72,766	-	72,766	-	-	-	72,766
Water Systems Operations	Office of the Manager, Operations Support Services	117,153	-	117,153	-	-	-	117,153
Water Systems Operations	Operations Support Services	92,331	-	92,331	-	-	-	92,331
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	9,736,032	-	9,736,032	-	-	-	9,736,032
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	2,457,836	-	2,457,836	-	-	-	2,457,836
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	138,102	-	138,102	-	-	-	138,102
Water Systems Operations	Environmental Health & Safety Section	1,054,543	-	1,054,543	-	-	-	1,054,543
Water Systems Operations	OSS, Fleet Services Unit	354,072	-	354,072	-	-	-	354,072
Water Systems Operations	OSS, Power Support Unit	263,716	-	263,716	-	-	-	263,716
Water Systems Operations	Office of the Manager, Operations & Planning Section	52,088	-	52,088	-	-	-	52,088
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-
Engineering Services		692,774	-	692,774	-	-	-	692,774
Business Technology	Administrative Services	-	-	-	-	-	-	-
Business Technology	Information Technology	1,345,113	-	1,345,113	-	-	-	1,345,113
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-
Total Departmental O&M	-	17,718,546	-	17,718,546	-	-	-	17,718,546

Allocation Percentages: Treatment - Skinner
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					% Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		373,341	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bay Delta Initiatives	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		735,834	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	774,762	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	193,675	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	150,500	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	101,784	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	63.8%	0.0%	36.2%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	56.0%	0.0%	44.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	78.3%	0.0%	21.7%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	15,110,504	0.0%	64.9%	0.0%	35.1%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	63.8%	0.0%	36.2%	0.0%	100.0%
Water Systems Operations	Water Quality Section	2,969,569	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	150,068	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	1,349,982	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	576,957	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	291,082	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	56,184	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Sustainability, Resilience & Innovation		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Diversity, Equity & Inclusion		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Equal Employment Opportunity		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		2,638,366	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	2,392,233	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		27,864,841	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Delta Conveyance - Other		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Contract		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs								
		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs (cash funded portion)								
		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management (cash funded portion)								
Local Resources Program		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions & Stormwater Pilot		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Conservation Program (cash funded portion)		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing								
		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		16,418,132	31.8%	29.5%	38.7%	0.0%	0.0%	100.0%
G.O. Bond Debt Service		108,903	31.8%	29.5%	38.7%	0.0%	0.0%	100.0%
Debt Administration		149,764	31.8%	29.5%	38.7%	0.0%	0.0%	100.0%
Bond Defeasance		-	31.8%	29.5%	38.7%	0.0%	0.0%	100.0%
PAYGO		7,479,000	31.8%	29.5%	38.7%	0.0%	0.0%	100.0%
Total Capital Financing Costs		24,155,798	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Regional Recycled Water Program planning costs								
		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs								
Operating Equipment		408,450	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Succession Planning Labor Pool		231,108	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
OPEB/PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		639,558	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves								
		-	31.0%	31.3%	37.7%	0.0%	0.0%	100.0%
Total General District Requirements								
		24,795,357	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:								
		52,660,198	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - MWD GO Debt Service		108,903	0.0%	0.0%	100.0%	0.0%	0.0%	100.0%
Interest on Investments		236,944	31.8%	29.5%	38.7%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - SWC		-	31.8%	29.5%	38.7%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	31.8%	29.5%	38.7%	0.0%	0.0%	100.0%
Annexation		-	31.8%	29.5%	38.7%	0.0%	0.0%	100.0%
Total Revenue Offsets		345,847	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:								
-		52,314,351	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Treatment - Skinner
Fiscal Year Ending 2024

	Functionalization	Allocation Percentages					Total
		Fixed			Variable Commodity	Hydroelectric	
		Demand	Commodity	Standby			
Departmental O&M							
Group	Item						
Office of General Manager		373,341	-	373,341	-	-	373,341
Office of General Manager	Board of Directors	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-
Human Resources		735,834	-	735,834	-	-	735,834
Water Systems Operations	Office of the Manager	774,762	-	774,762	-	-	774,762
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	193,675	-	193,675	-	-	193,675
Water Systems Operations	Office of the Manager, Operations Support Services	150,500	-	150,500	-	-	150,500
Water Systems Operations	Operations Support Services	101,784	-	101,784	-	-	101,784
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	15,110,504	-	9,804,283	5,306,221	-	15,110,504
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	2,969,569	-	2,969,569	-	-	2,969,569
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	150,068	-	150,068	-	-	150,068
Water Systems Operations	Environmental Health & Safety Section	1,349,982	-	1,349,982	-	-	1,349,982
Water Systems Operations	OSS, Fleet Services Unit	576,957	-	576,957	-	-	576,957
Water Systems Operations	OSS, Power Support Unit	291,082	-	291,082	-	-	291,082
Water Systems Operations	Office of the Manager, Operations & Planning Secti	56,184	-	56,184	-	-	56,184
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-
Engineering Services		2,638,366	-	2,638,366	-	-	2,638,366
Business Technology	Administrative Services	-	-	-	-	-	-
Business Technology	Information Technology	2,392,233	-	2,392,233	-	-	2,392,233
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-
Real Property		-	-	-	-	-	-
General Counsel		-	-	-	-	-	-
General Auditor		-	-	-	-	-	-
Total Departmental O&M	-	27,864,841	-	22,558,620	5,306,221	-	27,864,841
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-
		-	-	-	-	-	-
State Water Contract		-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-
Delta Conveyance - Other		-	-	-	-	-	-
Total State Water Contract		-	-	-	-	-	-
		-	-	-	-	-	-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-
		-	-	-	-	-	-
Supply Programs (cash funded portion)		-	-	-	-	-	-
		-	-	-	-	-	-
Demand Management (cash funded portion)		-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-
Future Supply Actions & Stormwater Pilot		-	-	-	-	-	-
Conservation Program (cash funded portion)		-	-	-	-	-	-
Total Demand Management Costs		-	-	-	-	-	-
		-	-	-	-	-	-
Capital Financing		-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		16,418,132	5,228,320	4,841,037	6,348,775	-	16,418,132
G.O. Bond Debt Service		108,903	34,680	32,111	42,112	-	108,903
Debt Administration		149,764	47,692	44,159	57,913	-	149,764
Bond Defeasance		-	-	-	-	-	-
PAYGO		7,479,000	2,381,672	2,205,252	2,892,076	-	7,479,000
Total Capital Financing Costs		24,155,798	7,692,364	7,122,559	9,340,875	-	24,155,798
		-	-	-	-	-	-
Regional Recycled Water Program planning costs		-	-	-	-	-	-
		-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-
Operating Equipment		408,450	-	408,450	-	-	408,450
Succession Planning Labor Pool		231,108	-	231,108	-	-	231,108
OPEB\PERS Pre-Funding		-	-	-	-	-	-
Total Other Operating Costs		639,558	-	639,558	-	-	639,558
		-	-	-	-	-	-
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-
		-	-	-	-	-	-
Total General District Requirements		24,795,357	7,692,364	7,762,118	9,340,875	-	24,795,357
		-	-	-	-	-	-
REQUIREMENTS BEFORE OFFSETS:		52,660,198	7,692,364	30,320,738	9,340,875	5,306,221	52,660,198
		-	-	-	-	-	-
Revenue Offsets		-	-	-	-	-	-
Property Taxes - MWD Portion of SWC GO Debt Service		-	-	-	-	-	-
Property Taxes - MWD GO Debt Service		108,903	-	-	108,903	-	108,903
Interest on Investments		236,944	75,454	69,865	91,625	-	236,944
Hydro-Power Revenue		-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue		-	-	-	-	-	-
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	-	-	-	-	-
Misc. allocated to supply (PVID Lease)		-	-	-	-	-	-
Property Taxes - SWC		-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-
Annexation		-	-	-	-	-	-
Total Revenue Offsets		345,847	75,454	69,865	200,527	-	345,847
		-	-	-	-	-	-
NET REVENUE REQUIREMENTS:		52,314,351	7,616,910	30,250,872	9,140,348	5,306,221	52,314,351

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Treatment - Skinner
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		330,258	-	330,258	-	-	-	330,258
Office of General Manager	Board of Directors	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-
Human Resources		580,146	-	580,146	-	-	-	580,146
Water Systems Operations	Office of the Manager	569,920	-	569,920	-	-	-	569,920
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	71,043	-	71,043	-	-	-	71,043
Water Systems Operations	Office of the Manager, Operations Support Services	115,233	-	115,233	-	-	-	115,233
Water Systems Operations	Operations Support Services	92,331	-	92,331	-	-	-	92,331
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	9,505,601	-	9,505,601	-	-	-	9,505,601
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	2,457,836	-	2,457,836	-	-	-	2,457,836
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	138,102	-	138,102	-	-	-	138,102
Water Systems Operations	Environmental Health & Safety Section	1,054,543	-	1,054,543	-	-	-	1,054,543
Water Systems Operations	OSS, Fleet Services Unit	354,072	-	354,072	-	-	-	354,072
Water Systems Operations	OSS, Power Support Unit	263,716	-	263,716	-	-	-	263,716
Water Systems Operations	Office of the Manager, Operations & Planning Section	51,234	-	51,234	-	-	-	51,234
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-
Engineering Services		2,231,378	-	2,231,378	-	-	-	2,231,378
Business Technology	Administrative Services	-	-	-	-	-	-	-
Business Technology	Information Technology	1,605,804	-	1,605,804	-	-	-	1,605,804
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-
Total Departmental O&M	-	19,421,217	-	19,421,217	-	-	-	19,421,217

Allocation Percentages: Distribution
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages						%	
			Demand	Fixed	Standby	Variable Commodity	Other	Hydroelectric	Total	
				Commodity						
Departmental O&M										
Group	Item									
Office of General Manager		1,627,655	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Bay Delta Initiatives	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		3,208,019	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	3,739,272	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	374,993	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	157,361	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	726,367	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	7,013,935	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	9,663,993	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	1,311,234	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	2,681,717	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	2,844,977	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	1,952,710	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	2,277,878	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	2,664,278	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	17,064,480	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	15,415,395	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	7,005,953	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	6,662,422	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	7,060,586	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	4,394,772	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	271,161	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Sustainability, Resilience & Innovation		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Diversity, Equity & Inclusion		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Equal Employment Opportunity		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		8,858,051	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	10,429,428	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	423,771	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	49,229	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Real Property		3,602,806	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		121,482,439	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS										
State Water Contract										
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Delta Conveyance - Other		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Contract		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs (cash funded portion)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management (cash funded portion)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Local Resources Program		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Future Supply Actions & Stormwater Pilot		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Conservation Program (cash funded portion)		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Costs		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		55,122,248	34.7%	38.6%	26.7%	0.0%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service		1,480,406	34.7%	38.6%	26.7%	0.0%	0.0%	0.0%	0.0%	100.0%
Debt Administration		502,817	34.7%	38.6%	26.7%	0.0%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance		-	34.7%	38.6%	26.7%	0.0%	0.0%	0.0%	0.0%	100.0%
PAYGO		25,110,000	34.7%	38.6%	26.7%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Costs		82,215,472	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Regional Recycled Water Program planning costs		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Other Operating Costs										
Operating Equipment		1,780,721	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Succession Planning Labor Pool		1,007,564	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
OPEB\PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		2,788,285	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves		-	33.6%	40.6%	25.8%	0.0%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements		85,003,756	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		206,486,196	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets										
Property Taxes - MWD Portion of SWC GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - MWD GO Debt Service		1,480,406	34.7%	38.6%	26.7%	0.0%	0.0%	0.0%	0.0%	100.0%
Interest on Investments		929,082	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - SWC		-	34.7%	38.6%	26.7%	0.0%	0.0%	0.0%	0.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Annexation		-	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
Total Revenue Offsets		2,409,489	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	204,076,707	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Distribution
Fiscal Year Ending 2024

	Functionalization	Allocation Percentages					Total
		Fixed			Variable Commodity	Hydroelectric	
		Demand	Commodity	Standby			
Departmental O&M							
Group	Item						
Office of General Manager		1,627,655	-	1,627,655	-	-	1,627,655
Office of General Manager	Board of Directors	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-
Human Resources		3,208,019	-	3,208,019	-	-	3,208,019
Water Systems Operations	Office of the Manager	3,739,272	-	3,739,272	-	-	3,739,272
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	374,993	-	374,993	-	-	374,993
Water Systems Operations	Office of the Manager, Treatment Section	157,361	-	157,361	-	-	157,361
Water Systems Operations	Office of the Manager, Operations Support Services	726,367	-	726,367	-	-	726,367
Water Systems Operations	Operations Support Services	7,013,935	-	7,013,935	-	-	7,013,935
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	9,663,993	-	9,663,993	-	-	9,663,993
Water Systems Operations	Power Operations and Planning	1,311,234	-	1,311,234	-	-	1,311,234
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	2,681,717	-	2,681,717	-	-	2,681,717
Water Systems Operations	Treatment Diemer	2,844,977	-	2,844,977	-	-	2,844,977
Water Systems Operations	Treatment Mills	1,952,710	-	1,952,710	-	-	1,952,710
Water Systems Operations	Treatment Skinner	2,277,878	-	2,277,878	-	-	2,277,878
Water Systems Operations	Treatment Weymouth	2,664,278	-	2,664,278	-	-	2,664,278
Water Systems Operations	Water Quality Section	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	17,064,480	-	17,064,480	-	-	17,064,480
Water Systems Operations	C&D, Western Unit	15,415,395	-	15,415,395	-	-	15,415,395
Water Systems Operations	OSS, Manufacturing Services Unit	7,005,953	-	7,005,953	-	-	7,005,953
Water Systems Operations	Environmental Health & Safety Section	6,662,422	-	6,662,422	-	-	6,662,422
Water Systems Operations	OSS, Fleet Services Unit	7,060,586	-	7,060,586	-	-	7,060,586
Water Systems Operations	OSS, Power Support Unit	4,394,772	-	4,394,772	-	-	4,394,772
Water Systems Operations	Office of the Manager, Operations & Planning Secti	271,161	-	271,161	-	-	271,161
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-
Engineering Services		8,858,051	-	8,858,051	-	-	8,858,051
Business Technology	Administrative Services	-	-	-	-	-	-
Business Technology	Information Technology	10,429,428	-	10,429,428	-	-	10,429,428
Water Resources Managemen	Resource Planning & Development	423,771	-	423,771	-	-	423,771
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	49,229	-	49,229	-	-	49,229
Ethics Office		-	-	-	-	-	-
Real Property		3,602,806	-	3,602,806	-	-	3,602,806
General Counsel		-	-	-	-	-	-
General Auditor		-	-	-	-	-	-
Total Departmental O&M	-	121,482,439	-	121,482,439	-	-	121,482,439
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-
State Water Contract		-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-
Delta Conveyance - Other		-	-	-	-	-	-
Total State Water Contract		-	-	-	-	-	-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-
Supply Programs (cash funded portion)		-	-	-	-	-	-
Demand Management (cash funded portion)		-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-
Future Supply Actions & Stormwater Pilot		-	-	-	-	-	-
Conservation Program (cash funded portion)		-	-	-	-	-	-
Total Demand Management Costs		-	-	-	-	-	-
Capital Financing		-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		55,122,248	19,154,876	21,275,797	14,691,575	-	55,122,248
G.O. Bond Debt Service		1,480,406	514,438	571,400	394,568	-	1,480,406
Debt Administration		502,817	174,728	194,075	134,014	-	502,817
Bond Defeasance		-	-	-	-	-	-
PAYGO		25,110,000	8,725,677	9,691,827	6,692,496	-	25,110,000
Total Capital Financing Costs		82,215,472	28,569,720	31,733,098	21,912,654	-	82,215,472
Regional Recycled Water Program planning costs		-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-
Operating Equipment		1,780,721	-	1,780,721	-	-	1,780,721
Succession Planning Labor Pool		1,007,564	-	1,007,564	-	-	1,007,564
OPEB\PERS Pre-Funding		-	-	-	-	-	-
Total Other Operating Costs		2,788,285	-	2,788,285	-	-	2,788,285
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-
Total General District Requirements		85,003,756	28,569,720	34,521,383	21,912,654	-	85,003,756
REQUIREMENTS BEFORE OFFSETS:		206,486,196	28,569,720	156,003,822	21,912,654	-	206,486,196
Revenue Offsets		-	-	-	-	-	-
Property Taxes - MWD Portion of SWC GO Debt Service		-	-	-	-	-	-
Property Taxes - MWD GO Debt Service		1,480,406	514,438	571,400	394,568	-	1,480,406
Interest on Investments		929,082	-	929,082	-	-	929,082
Hydro-Power Revenue		-	-	-	-	-	-
CRA Power Revenue		-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue		-	-	-	-	-	-
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	-	-	-	-	-
Misc. allocated to supply (PVID Lease)		-	-	-	-	-	-
Property Taxes - SWC		-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-
Annexation		-	-	-	-	-	-
Total Revenue Offsets		2,409,489	514,438	1,500,482	394,568	-	2,409,489
NET REVENUE REQUIREMENTS:		204,076,707	28,055,281	154,503,341	21,518,085	-	204,076,707

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Distribution
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		1,439,825	-	1,439,825	-	-	-	1,439,825
Office of General Manager	Board of Directors	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-
Human Resources		2,529,264	-	2,529,264	-	-	-	2,529,264
Water Systems Operations	Office of the Manager	2,750,631	-	2,750,631	-	-	-	2,750,631
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	367,063	-	367,063	-	-	-	367,063
Water Systems Operations	Office of the Manager, Treatment Section	57,723	-	57,723	-	-	-	57,723
Water Systems Operations	Office of the Manager, Operations Support Services	556,157	-	556,157	-	-	-	556,157
Water Systems Operations	Operations Support Services	6,362,583	-	6,362,583	-	-	-	6,362,583
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	7,944,926	-	7,944,926	-	-	-	7,944,926
Water Systems Operations	Power Operations and Planning	1,135,717	-	1,135,717	-	-	-	1,135,717
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	1,607,400	-	1,607,400	-	-	-	1,607,400
Water Systems Operations	Treatment Diemer	1,544,065	-	1,544,065	-	-	-	1,544,065
Water Systems Operations	Treatment Mills	1,467,687	-	1,467,687	-	-	-	1,467,687
Water Systems Operations	Treatment Skinner	1,432,950	-	1,432,950	-	-	-	1,432,950
Water Systems Operations	Treatment Weymouth	1,671,213	-	1,671,213	-	-	-	1,671,213
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	12,113,793	-	12,113,793	-	-	-	12,113,793
Water Systems Operations	C&D, Western Unit	11,594,596	-	11,594,596	-	-	-	11,594,596
Water Systems Operations	OSS, Manufacturing Services Unit	6,447,294	-	6,447,294	-	-	-	6,447,294
Water Systems Operations	Environmental Health & Safety Section	5,204,376	-	5,204,376	-	-	-	5,204,376
Water Systems Operations	OSS, Fleet Services Unit	4,333,002	-	4,333,002	-	-	-	4,333,002
Water Systems Operations	OSS, Power Support Unit	3,981,597	-	3,981,597	-	-	-	3,981,597
Water Systems Operations	Office of the Manager, Operations & Planning Section	247,274	-	247,274	-	-	-	247,274
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-
Engineering Services		7,491,630	-	7,491,630	-	-	-	7,491,630
Business Technology	Administrative Services	-	-	-	-	-	-	-
Business Technology	Information Technology	7,000,829	-	7,000,829	-	-	-	7,000,829
Water Resources Managemen	Resource Planning & Development	337,650	-	337,650	-	-	-	337,650
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	48,212	-	48,212	-	-	-	48,212
Ethics Office		-	-	-	-	-	-	-
Real Property		1,563,277	-	1,563,277	-	-	-	1,563,277
General Counsel		-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-
Total Departmental O&M	-	91,230,734	-	91,230,734	-	-	-	91,230,734

Allocation Percentages: Hydroelectric
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					% Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		91,720	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Bay Delta Initiatives	Bay Delta Initiatives	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
External Affairs	Legislative Services	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
External Affairs	Conservation & Community Services	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Human Resources		180,774	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Office of the Manager	238,956	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	12,832	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	46,418	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Operations Support Services	123,967	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Power Operations and Planning	955,048	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Water Quality Section	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	570,058	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	C&D, Western Unit	540,585	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	88,317	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	52,155	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	2,663,498	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	17,328	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Sustainability, Resilience & Innovation		-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Diversity, Equity & Inclusion		-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Equal Employment Opportunity		-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Business Technology	Office of Manager	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Engineering Services		676,260	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Business Technology	Administrative Services	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Business Technology	Information Technology	587,706	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Resources Management	Resource Planning & Development	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Resources Management	Resource Implementation	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Water Resources Management	Office of the Group Manager	-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Ethics Office		-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Real Property		-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
General Counsel		-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
General Auditor		-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Total Departmental O&M		6,845,623	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Delta Conveyance - Other	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Contract	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs (cash funded portion)	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management (cash funded portion)								
Local Resources Program	-		0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Future Supply Actions & Stormwater Pilot	-		0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Conservation Program (cash funded portion)	-		0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Total Demand Management Costs	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing								
Revenue Bond Debt Service net of BABs Interest Subsidy Payment	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
G.O. Bond Debt Service	4,208,258		0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Debt Administration	-		0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Bond Defeasance	38,387		0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
PAYGO	-		0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Total Capital Financing Costs	1,917,000		0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
6,163,645			0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Regional Recycled Water Program planning costs	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs								
Operating Equipment	-	100,345	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Succession Planning Labor Pool	-	56,777	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
OPEB/PERS Pre-Funding	-		0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Total Other Operating Costs	-	157,122	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves	-		0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Total General District Requirements		6,320,767	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:		13,166,390	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service	-		0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Property Taxes - MWD GO Debt Service	-		0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Interest on Investments	59,242		0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Hydro-Power Revenue	10,710,879		0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
CRA Power Revenue	-		0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Wadsworth Pumping Plant (DVL) Power Revenue	-		0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)	-		0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Misc. allocated to supply (PVID Lease)	-		0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Property Taxes - SWC	-		0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Revenue Reserve used for Revenue Bonds - I&P	-		0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Annexation	-		0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
Total Revenue Offsets	10,770,121		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:	-	2,396,269	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Hydroelectric
Fiscal Year Ending 2024

	Functionalization	Allocation Percentages					Total
		Fixed			Variable Commodity	Hydroelectric	
		Demand	Commodity	Standby			
Departmental O&M							
Group	Item						
Office of General Manager		91,720	-	-	-	91,720	91,720
Office of General Manager	Board of Directors	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-
Human Resources		180,774	-	-	-	180,774	180,774
Water Systems Operations	Office of the Manager	238,956	-	-	-	238,956	238,956
Water Systems Operations	Office of the Manager, Conveyance & Distribution S	12,832	-	-	-	12,832	12,832
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	46,418	-	-	-	46,418	46,418
Water Systems Operations	Operations Support Services	123,967	-	-	-	123,967	123,967
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	955,048	-	-	-	955,048	955,048
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	570,058	-	-	-	570,058	570,058
Water Systems Operations	C&D, Western Unit	540,585	-	-	-	540,585	540,585
Water Systems Operations	OSS, Manufacturing Services Unit	88,317	-	-	-	88,317	88,317
Water Systems Operations	Environmental Health & Safety Section	52,155	-	-	-	52,155	52,155
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	2,663,498	-	-	-	2,663,498	2,663,498
Water Systems Operations	Office of the Manager, Operations & Planning Secti	17,328	-	-	-	17,328	17,328
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-
Engineering Services		676,260	-	-	-	676,260	676,260
Business Technology	Administrative Services	-	-	-	-	-	-
Business Technology	Information Technology	587,706	-	-	-	587,706	587,706
Water Resources Managemen	Resource Planning & Development	-	-	-	-	-	-
Water Resources Managemen	Resource Implementation	-	-	-	-	-	-
Water Resources Managemen	Office of the Group Manager	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-
Real Property		-	-	-	-	-	-
General Counsel		-	-	-	-	-	-
General Auditor		-	-	-	-	-	-
Total Departmental O&M	-	6,845,623	-	-	-	6,845,623	6,845,623
GENERAL DISTRICT REQUIREMENTS		-	-	-	-	-	-
		-	-	-	-	-	-
State Water Contract		-	-	-	-	-	-
Supply - O&M		-	-	-	-	-	-
Supply - Capital		-	-	-	-	-	-
Power - O&M & Off-Aq Capital		-	-	-	-	-	-
Power - Capital (less Off-Aq)		-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		-	-	-	-	-	-
Transmission - O&M - Commodity only		-	-	-	-	-	-
Delta Conveyance - Other		-	-	-	-	-	-
Total State Water Contract		-	-	-	-	-	-
		-	-	-	-	-	-
Colorado River Aqueduct Power Costs		-	-	-	-	-	-
		-	-	-	-	-	-
Supply Programs (cash funded portion)		-	-	-	-	-	-
		-	-	-	-	-	-
Demand Management (cash funded portion)		-	-	-	-	-	-
Local Resources Program		-	-	-	-	-	-
Future Supply Actions & Stormwater Pilot		-	-	-	-	-	-
Conservation Program (cash funded portion)		-	-	-	-	-	-
Total Demand Management Costs		-	-	-	-	-	-
		-	-	-	-	-	-
Capital Financing		-	-	-	-	-	-
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		4,208,258	-	-	-	4,208,258	4,208,258
G.O. Bond Debt Service		-	-	-	-	-	-
Debt Administration		38,387	-	-	-	38,387	38,387
Bond Defeasance		-	-	-	-	-	-
PAYGO		1,917,000	-	-	-	1,917,000	1,917,000
Total Capital Financing Costs		6,163,645	-	-	-	6,163,645	6,163,645
		-	-	-	-	-	-
Regional Recycled Water Program planning costs		-	-	-	-	-	-
		-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-
Operating Equipment		100,345	-	-	-	100,345	100,345
Succession Planning Labor Pool		56,777	-	-	-	56,777	56,777
OPEB\PERS Pre-Funding		-	-	-	-	-	-
Total Other Operating Costs		157,122	-	-	-	157,122	157,122
		-	-	-	-	-	-
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-
		-	-	-	-	-	-
Total General District Requirements		6,320,767	-	-	-	6,320,767	6,320,767
		-	-	-	-	-	-
REQUIREMENTS BEFORE OFFSETS:		13,166,390	-	-	-	13,166,390	13,166,390
		-	-	-	-	-	-
Revenue Offsets		-	-	-	-	-	-
Property Taxes - MWD Portion of SWC GO Debt Service		-	-	-	-	-	-
Property Taxes - MWD GO Debt Service		-	-	-	-	-	-
Interest on Investments		59,242	-	-	-	59,242	59,242
Hydro-Power Revenue		10,710,879	-	-	-	10,710,879	10,710,879
CRA Power Revenue		-	-	-	-	-	-
Wadsworth Pumping Plant (DVL) Power Revenue		-	-	-	-	-	-
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	-	-	-	-	-
Misc. allocated to supply (PVID Lease)		-	-	-	-	-	-
Property Taxes - SWC		-	-	-	-	-	-
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-
Annexation		-	-	-	-	-	-
Total Revenue Offsets		10,770,121	-	-	-	10,770,121	10,770,121
		-	-	-	-	-	-
NET REVENUE REQUIREMENTS:		2,396,269	-	-	-	2,396,269	2,396,269

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Hydroelectric
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					Total	
			Fixed			Variable Commodity	Other		Hydroelectric
			Demand	Commodity	Standby				
Departmental O&M									
Group	Item								
Office of General Manager		81,135	-	-	-	-	-	81,135	81,135
Office of General Manager	Board of Directors	-	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	-	-	-	-	-	-	-	-
Human Resources		142,526	-	-	-	-	-	142,526	142,526
Water Systems Operations	Office of the Manager	175,778	-	-	-	-	-	175,778	175,778
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	12,560	-	-	-	-	-	12,560	12,560
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	35,541	-	-	-	-	-	35,541	35,541
Water Systems Operations	Operations Support Services	112,455	-	-	-	-	-	112,455	112,455
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	827,208	-	-	-	-	-	827,208	827,208
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	404,675	-	-	-	-	-	404,675	404,675
Water Systems Operations	C&D, Western Unit	406,598	-	-	-	-	-	406,598	406,598
Water Systems Operations	OSS, Manufacturing Services Unit	81,275	-	-	-	-	-	81,275	81,275
Water Systems Operations	Environmental Health & Safety Section	40,741	-	-	-	-	-	40,741	40,741
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	2,413,089	-	-	-	-	-	2,413,089	2,413,089
Water Systems Operations	Office of the Manager, Operations & Planning Section	15,802	-	-	-	-	-	15,802	15,802
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-
Engineering Services		571,942	-	-	-	-	-	571,942	571,942
Business Technology	Administrative Services	-	-	-	-	-	-	-	-
Business Technology	Information Technology	394,502	-	-	-	-	-	394,502	394,502
Water Resources Management	Resource Planning & Development	-	-	-	-	-	-	-	-
Water Resources Management	Resource Implementation	-	-	-	-	-	-	-	-
Water Resources Management	Office of the Group Manager	-	-	-	-	-	-	-	-
Ethics Office		-	-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-	-
Total Departmental O&M	-	5,715,827	-	-	-	-	-	5,715,827	5,715,827

Allocation Percentages: Demand Management
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					% Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		155,810	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of General Manager	Board of Directors	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bay Delta Initiatives	Bay Delta Initiatives	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Legislative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Media Communications Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Manager, External Affairs/Special Projects	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
External Affairs	Conservation & Community Services	2,999,011	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Human Resources		307,092	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Support Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	System Operations Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Power Operations and Planning	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Jensen	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Diemer	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Mills	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Skinner	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Treatment Weymouth	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Water Quality Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Eastern Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	C&D, Western Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Manufacturing Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Environmental Health & Safety Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Fleet Services Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	OSS, Power Support Unit	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Office of the Manager, Operations & Planning Section	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Systems Operations	Security Team & Security Management	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Sustainability, Resilience & Innovation		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Diversity, Equity & Inclusion		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Equal Employment Opportunity		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Office of the Chief Financial Officer		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Office of Manager	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Engineering Services		95,248	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Administrative Services	-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Business Technology	Information Technology	998,372	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Planning & Development	317,828	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Resource Implementation	6,019,524	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Water Resources Management	Office of the Group Manager	736,200	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Ethics Office		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Real Property		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Counsel		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
General Auditor		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Departmental O&M		11,629,085	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply - Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - O&M & Off-Aq Capital		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Power - Capital (less Off-Aq)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - O&M - Commodity only		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Delta Conveyance - Other		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total State Water Contract		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Colorado River Aqueduct Power Costs								
		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Supply Programs (cash funded portion)								
		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Demand Management (cash funded portion)								
Local Resources Program		27,463,721	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Future Supply Actions & Stormwater Pilot		2,422,500	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Conservation Program (cash funded portion)		25,000,000	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Demand Management Costs		54,886,221	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capital Financing								
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		592,712	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
G.O. Bond Debt Service		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Debt Administration		5,407	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Bond Defeasance		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
PAYGO		270,000	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Capital Financing Costs		868,119	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%
Regional Recycled Water Program planning costs								
		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs								
Operating Equipment		170,462	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Succession Planning Labor Pool		96,451	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
OPEB/PERS Pre-Funding		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total Other Operating Costs		266,913	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Increase/(Decrease) in Required Reserves								
		-	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Total General District Requirements								
		56,021,252	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
REQUIREMENTS BEFORE OFFSETS:								
		67,650,337	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - MWD GO Debt Service		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Interest on Investments		304,392	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
Hydro-Power Revenue		-	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%
CRA Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Wadsworth Pumping Plant (DVL) Power Revenue		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Misc. allocated to supply (PVID Lease)		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Taxes - SWC		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Revenue Reserve used for Revenue Bonds - I&P		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Annexation		-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Revenue Offsets		304,392	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
NET REVENUE REQUIREMENTS:								
-		67,345,945	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Demand Management
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					Total	
			Fixed			Variable Commodity	Other		Hydroelectric
			Demand	Commodity	Standby				
Departmental O&M									
Group	Item								
	Office of General Manager	155,810	-	155,810	-	-	-	-	155,810
	Office of General Manager		-	-	-	-	-	-	-
	Bay Delta Initiatives		-	-	-	-	-	-	-
	External Affairs		-	-	-	-	-	-	-
	External Affairs		-	-	-	-	-	-	-
	External Affairs		-	-	-	-	-	-	-
	External Affairs		-	-	-	-	-	-	-
	External Affairs	2,999,011	-	2,999,011	-	-	-	-	2,999,011
	Human Resources	307,092	-	307,092	-	-	-	-	307,092
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
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	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
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	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
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	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
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	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
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	Water Systems Operations		-	-	-	-	-	-	-
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	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
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	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations		-	-	-	-	-	-	-
	Water Systems Operations								

Direct Labor used for A&G Allocation
Allocation of Revenue Requirements: Demand Management
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					Total
			Fixed			Variable Commodity	Hydroelectric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		137,829	-	137,829	-	-	-	137,829
Office of General Manager	Board of Directors	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	-	-	-	-	-	-
External Affairs	Legislative Services	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	1,985,017	-	1,985,017	-	-	-	1,985,017
Human Resources		242,118	-	242,118	-	-	-	242,118
Water Systems Operations	Office of the Manager	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Treatment Section	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations Support Services	-	-	-	-	-	-	-
Water Systems Operations	Operations Support Services	-	-	-	-	-	-	-
Water Systems Operations	Desert Region / C&D CRA	-	-	-	-	-	-	-
Water Systems Operations	System Operations Unit	-	-	-	-	-	-	-
Water Systems Operations	Power Operations and Planning	-	-	-	-	-	-	-
Water Systems Operations	Operations Planning & Programs Unit	-	-	-	-	-	-	-
Water Systems Operations	Treatment Jensen	-	-	-	-	-	-	-
Water Systems Operations	Treatment Diemer	-	-	-	-	-	-	-
Water Systems Operations	Treatment Mills	-	-	-	-	-	-	-
Water Systems Operations	Treatment Skinner	-	-	-	-	-	-	-
Water Systems Operations	Treatment Weymouth	-	-	-	-	-	-	-
Water Systems Operations	Water Quality Section	-	-	-	-	-	-	-
Water Systems Operations	C&D, Eastern Unit	-	-	-	-	-	-	-
Water Systems Operations	C&D, Western Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Manufacturing Services Unit	-	-	-	-	-	-	-
Water Systems Operations	Environmental Health & Safety Section	-	-	-	-	-	-	-
Water Systems Operations	OSS, Fleet Services Unit	-	-	-	-	-	-	-
Water Systems Operations	OSS, Power Support Unit	-	-	-	-	-	-	-
Water Systems Operations	Office of the Manager, Operations & Planning Section	-	-	-	-	-	-	-
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-
Sustainability, Resilience & Inn		-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-
Equal Employment Opportunity		-	-	-	-	-	-	-
Office of the Chief Financial Of		-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-
Engineering Services		80,555	-	80,555	-	-	-	80,555
Business Technology	Administrative Services	-	-	-	-	-	-	-
Business Technology	Information Technology	670,165	-	670,165	-	-	-	670,165
Water Resources Managemen	Resource Planning & Development	253,237	-	253,237	-	-	-	253,237
Water Resources Managemen	Resource Implementation	3,924,153	-	3,924,153	-	-	-	3,924,153
Water Resources Managemen	Office of the Group Manager	720,998	-	720,998	-	-	-	720,998
Ethics Office		-	-	-	-	-	-	-
Real Property		-	-	-	-	-	-	-
General Counsel		-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-
Total Departmental O&M	-	8,014,072	-	8,014,072	-	-	-	8,014,072

Allocation Percentages: Administrative & General
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages						%
			Demand	Fixed	Standby	Variable Commodity	Other	Hydroelectric	Total
				Commodity					
Departmental O&M									
Group	Item								
Office of General Manager		2,208,521	0.0%	1.6%	0.0%	0.0%	0.0%	0.0%	1.6%
Office of General Manager	Board of Directors	2,170,417	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Bay Delta Initiatives	Bay Delta Initiatives	-	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	1.8%
External Affairs	Legislative Services	6,381,583	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
External Affairs	Media Communications Services	5,929,071	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
External Affairs	Manager, External Affairs/Special Projects	9,839,752	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
External Affairs	Conservation & Community Services	2,999,011	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	0.6%
Human Resources		4,352,874	0.0%	2.8%	0.0%	0.0%	0.0%	0.0%	2.9%
Water Systems Operations	Office of the Manager	743,453	0.0%	2.5%	0.0%	0.0%	0.0%	0.1%	2.5%
Water Systems Operations	Office of the Manager, Conveyance & Distribution Section	21,148	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.3%
Water Systems Operations	Office of the Manager, Treatment Section	-	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.1%
Water Systems Operations	Office of the Manager, Operations Support Services	144,418	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.5%
Water Systems Operations	Operations Support Services	293,607	0.0%	2.2%	0.0%	0.0%	0.0%	0.0%	2.3%
Water Systems Operations	Desert Region / C&D CRA	-	0.0%	8.9%	0.0%	0.0%	0.0%	0.0%	8.9%
Water Systems Operations	System Operations Unit	-	0.0%	2.5%	0.0%	0.0%	0.0%	0.0%	2.5%
Water Systems Operations	Power Operations and Planning	371,842	0.0%	0.7%	0.0%	0.0%	0.0%	0.3%	1.0%
Water Systems Operations	Operations Planning & Programs Unit	-	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.7%
Water Systems Operations	Treatment Jensen	-	0.0%	3.9%	0.0%	0.0%	0.0%	0.0%	3.9%
Water Systems Operations	Treatment Diemer	-	0.0%	3.7%	0.0%	0.0%	0.0%	0.0%	3.7%
Water Systems Operations	Treatment Mills	-	0.0%	3.5%	0.0%	0.0%	0.0%	0.0%	3.5%
Water Systems Operations	Treatment Skinner	-	0.0%	3.5%	0.0%	0.0%	0.0%	0.0%	3.5%
Water Systems Operations	Treatment Weymouth	-	0.0%	4.0%	0.0%	0.0%	0.0%	0.0%	4.0%
Water Systems Operations	Water Quality Section	-	0.0%	7.5%	0.0%	0.0%	0.0%	0.0%	7.5%
Water Systems Operations	C&D, Eastern Unit	923,056	0.0%	4.6%	0.0%	0.0%	0.0%	0.1%	4.7%
Water Systems Operations	C&D, Western Unit	906,439	0.0%	3.8%	0.0%	0.0%	0.0%	0.1%	3.9%
Water Systems Operations	OSS, Manufacturing Services Unit	596,938	0.0%	2.4%	0.0%	0.0%	0.0%	0.0%	2.4%
Water Systems Operations	Environmental Health & Safety Section	784,012	0.0%	3.9%	0.0%	0.0%	0.0%	0.0%	4.0%
Water Systems Operations	OSS, Fleet Services Unit	1,467,065	0.0%	2.3%	0.0%	0.0%	0.0%	0.0%	2.3%
Water Systems Operations	OSS, Power Support Unit	137,931	0.0%	1.9%	0.0%	0.0%	0.0%	0.8%	2.7%
Water Systems Operations	Office of the Manager, Operations & Planning Section	53,913	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.2%
Water Systems Operations	Security Team & Security Management	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sustainability, Resilience & Innovation		9,342,510	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Diversity, Equity & Inclusion		1,483,649	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Equal Employment Opportunity		2,070,834	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Office of the Chief Financial Officer		25,693,953	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Business Technology	Office of Manager	-	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Engineering Services		2,943,159	0.0%	11.7%	0.0%	0.0%	0.0%	0.2%	11.9%
Business Technology	Administrative Services	34,172,418	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Business Technology	Information Technology	14,151,410	0.0%	7.8%	0.0%	0.0%	0.0%	0.1%	8.0%
Water Resources Management	Resource Planning & Development	-	0.0%	1.4%	0.0%	0.0%	0.0%	0.0%	1.4%
Water Resources Management	Resource Implementation	36,545	0.0%	3.6%	0.0%	0.0%	0.0%	0.0%	3.6%
Water Resources Management	Office of the Group Manager	4,245	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.8%
Ethics Office		2,156,213	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Real Property		12,001,516	0.0%	2.4%	0.0%	0.0%	0.0%	0.0%	2.4%
General Counsel		15,716,806	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
General Auditor		4,737,939	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Departmental O&M		164,836,250	0.0%	98.2%	0.0%	0.0%	0.0%	1.8%	100.0%
GENERAL DISTRICT REQUIREMENTS									
State Water Contract									
Supply - O&M	-		0.0%	7.6%	0.0%	0.0%	0.0%	0.0%	7.6%
Supply - Capital	-		0.0%	6.1%	0.0%	0.0%	0.0%	0.0%	6.1%
Power - O&M & Off-Aq Capital	-		0.0%	0.0%	0.0%	18.4%	0.0%	0.0%	18.4%
Power - Capital (less Off-Aq)	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Transmission - Capital - Commodity, Demand, & Standby	-		0.5%	2.7%	2.5%	0.0%	0.0%	0.0%	5.7%
Transmission - O&M - Commodity only	-		0.0%	14.1%	0.0%	0.0%	0.0%	0.0%	14.1%
Delta Conveyance - Other	-		0.3%	1.8%	1.7%	0.0%	0.0%	0.0%	3.9%
Total State Water Contract	-		0.8%	32.3%	4.3%	18.4%	0.0%	0.0%	55.7%
Colorado River Aqueduct Power Costs									
	-		0.0%	0.0%	0.0%	6.1%	0.0%	0.0%	6.1%
Supply Programs (cash funded portion)									
	-		0.0%	4.6%	0.0%	0.0%	0.0%	0.0%	4.6%
Demand Management (cash funded portion)									
Local Resources Program	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Future Supply Actions & Stormwater Pilot	-		0.0%	1.9%	0.0%	0.0%	0.0%	0.0%	1.9%
Conservation Program (cash funded portion)	-		0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.2%
Total Demand Management Costs	-		0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	1.8%
	-		0.0%	3.9%	0.0%	0.0%	0.0%	0.0%	3.9%
Capital Financing									
Revenue Bond Debt Service net of BABs Interest Subsidy Payment	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
G.O. Bond Debt Service	18,314,811		3.7%	8.3%	7.4%	0.0%	0.0%	0.3%	19.7%
Debt Administration	-		0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.1%
Bond Defeasance	167,065		0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.2%
PAYGO	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Capital Financing Costs	8,343,000		1.7%	3.8%	3.4%	0.0%	0.0%	0.1%	9.0%
	26,824,877		5.5%	12.3%	10.9%	0.0%	0.0%	0.4%	29.0%
Regional Recycled Water Program planning costs									
	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Operating Costs									
Operating Equipment	2,416,212		0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.5%
Succession Planning Labor Pool	1,367,136		0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.3%
OPEB\PERS Pre-Funding	-		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total Other Operating Costs	3,783,348		0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.7%
Increase/(Decrease) in Required Reserves									
	(1,600,000)		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total General District Requirements									
	29,008,225		6.3%	53.7%	15.1%	24.4%	0.0%	0.4%	100.0%
REQUIREMENTS BEFORE OFFSETS:									
	193,844,475		5.1%	61.9%	12.4%	19.9%	0.0%	0.7%	100.0%
Revenue Offsets									
Property Taxes - MWD Portion of SWC GO Debt Service	-		5.1%	61.9%	12.4%	19.9%	0.0%	0.7%	100.0%
Property Taxes - MWD GO Debt Service	-		5.1%	61.9%	12.4%	19.9%	0.0%	0.7%	100.0%
Interest on Investments	872,201		5.1%	61.9%	12.4%	19.9%	0.0%	0.7%	100.0%
Hydro-Power Revenue	-		5.1%	61.9%	12.4%	19.9%	0.0%	0.7%	100.0%
CRA Power Revenue	-		5.1%	61.9%	12.4%	19.9%	0.0%	0.7%	100.0%
Wadsworth Pumping Plant (DVL) Power Revenue	-		5.1%	61.9%	12.4%	19.9%	0.0%	0.7%	100.0%
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)	27,575,443		5.1%	61.9%	12.4%	19.9%	0.0%	0.7%	100.0%
Misc. allocated to supply (PVID Lease)	-		5.1%	61.9%	12.4%	19.9%	0.0%	0.7%	100.0%
Property Taxes - SWC	-		5.1%	61.9%	12.4%	19.9%	0.0%	0.7%	100.0%
Revenue Reserve used for Revenue Bonds - I&P	-		5.1%	61.9%	12.4%	19.9%	0.0%	0.7%	100.0%
Annexation	-		5.1%	61.9%	12.4%	19.9%	0.0%	0.7%	100.0%
Total Revenue Offsets	28,447,644		5.1%	61.9%	12.4%	19.9%	0.0%	0.7%	100.0%
NET REVENUE REQUIREMENTS:									
-	165,396,831		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Allocation of Revenue Requirements: Administrative & General
Fiscal Year Ending 2024

		Functionalization	Allocation Percentages					Total	
			Fixed			Variable Commodity	Other		Hydroelectric
			Demand	Commodity	Standby				
Departmental O&M									
Group	Item								
	Office of General Manager	-	-	2,657,517	-	-	-	42,193	2,699,710
	Office of General Manager	-	-	-	-	-	-	-	-
	Bay Delta Initiatives	-	-	2,981,847	-	-	-	-	2,981,847
	External Affairs	-	-	-	-	-	-	-	-
	External Affairs	-	-	-	-	-	-	-	-
	External Affairs	-	-	-	-	-	-	-	-
	External Affairs	-	-	-	-	-	-	-	-
	Human Resources	-	-	1,032,274	-	-	-	-	1,032,274
	Water Systems Operations	-	-	4,668,319	-	-	-	74,118	4,742,437
	Water Systems Operations	-	-	4,069,262	-	-	-	91,410	4,160,672
	Water Systems Operations	-	-	440,990	-	-	-	6,532	447,522
	Water Systems Operations	-	-	229,144	-	-	-	-	229,144
	Water Systems Operations	-	-	822,774	-	-	-	18,482	841,257
	Water Systems Operations	-	-	3,650,401	-	-	-	58,480	3,708,882
	Water Systems Operations	-	-	14,685,685	-	-	-	-	14,685,685
	Water Systems Operations	-	-	4,131,624	-	-	-	-	4,131,624
	Water Systems Operations	-	-	1,165,353	-	-	-	430,176	1,595,529
	Water Systems Operations	-	-	1,102,255	-	-	-	-	1,102,255
	Water Systems Operations	-	-	6,380,926	-	-	-	-	6,380,926
	Water Systems Operations	-	-	6,129,504	-	-	-	-	6,129,504
	Water Systems Operations	-	-	5,826,305	-	-	-	-	5,826,305
	Water Systems Operations	-	-	5,688,408	-	-	-	-	5,688,408
	Water Systems Operations	-	-	6,634,243	-	-	-	-	6,634,243
	Water Systems Operations	-	-	12,289,961	-	-	-	-	12,289,961
	Water Systems Operations	-	-	7,542,813	-	-	-	210,444	7,753,258
	Water Systems Operations	-	-	6,254,796	-	-	-	211,444	6,466,240
	Water Systems Operations	-	-	3,915,582	-	-	-	42,265	3,957,847
	Water Systems Operations	-	-	6,494,791	-	-	-	21,187	6,515,978
	Water Systems Operations	-	-	3,788,139	-	-	-	-	3,788,139
	Water Systems Operations	-	-	3,161,865	-	-	-	1,254,886	4,416,751
	Water Systems Operations	-	-	365,815	-	-	-	8,218	374,033
	Water Systems Operations	-	-	-	-	-	-	-	-
	Sustainability, Resilience & Inn	-	-	-	-	-	-	-	-
	Diversity, Equity & Inclusion	-	-	-	-	-	-	-	-
	Equal Employment Opportunity	-	-	-	-	-	-	-	-
	Office of the Chief Financial Of	-	-	-	-	-	-	-	-
	Business Technology	-	-	-	-	-	-	-	-
	Engineering Services	-	-	19,353,802	-	-	-	297,429	19,651,230
	Business Technology	-	-	-	-	-	-	-	-
	Business Technology	-	-	12,921,585	-	-	-	205,154	13,126,739
	Water Resources Managemen	-	-	2,310,383	-	-	-	-	2,310,383
	Water Resources Managemen	-	-	5,887,262	-	-	-	-	5,887,262
	Water Resources Managemen	-	-	1,357,332	-	-	-	-	1,357,332
	Ethics Office	-	-	-	-	-	-	-	-
	Real Property	-	-	3,922,875	-	-	-	-	3,922,875
	General Counsel	-	-	-	-	-	-	-	-
	General Auditor	-	-	-	-	-	-	-	-
	Total Departmental O&M	-	-	161,863,831	-	-	-	2,972,419	164,836,250
GENERAL DISTRICT REQUIREMENTS			-	-	-	-	-	-	-
State Water Contract			-	-	-	-	-	-	-
	Supply - O&M	-	-	2,203,274	-	-	-	-	2,203,274
	Supply - Capital	-	-	1,760,452	-	-	-	-	1,760,452
	Power - O&M & Off-Aq Capital	-	-	-	-	5,323,918	-	-	5,323,918
	Power - Capital (less Off-Aq)	-	-	-	-	-	-	-	-
	Transmission - Capital - Commodity, Demand, & Standby	-	134,007	788,276	738,614	-	-	-	1,660,896
	Transmission - O&M - Commodity only	-	-	4,091,231	-	-	-	-	4,091,231
	Delta Conveyance - Other	-	90,545	532,618	499,063	-	-	-	1,122,225
	Total State Water Contract	-	224,552	9,375,850	1,237,676	5,323,918	-	-	16,161,996
Colorado River Aqueduct Power Costs			-	-	-	1,763,153	-	-	1,763,153
Supply Programs (cash funded portion)		-	-	1,319,922	-	-	-	-	1,319,922
Demand Management (cash funded portion)		-	-	-	-	-	-	-	-
	Local Resources Program	-	-	565,513	-	-	-	-	565,513
	Future Supply Actions & Stormwater Pilot	-	-	49,882	-	-	-	-	49,882
	Conservation Program (cash funded portion)	-	-	514,782	-	-	-	-	514,782
	Total Demand Management Costs	-	-	1,130,178	-	-	-	-	1,130,178
Capital Financing		-	-	-	-	-	-	-	-
	Revenue Bond Debt Service net of BABs Interest Subsidy Payment	-	1,077,839	2,417,976	2,142,762	-	-	86,653	5,725,230
	G.O. Bond Debt Service	-	13,775	14,713	11,989	-	-	-	40,477
	Debt Administration	-	9,832	22,056	19,546	-	-	790	52,225
	Bond Defeasance	-	-	-	-	-	-	-	-
	PAYGO	-	490,991	1,101,468	976,099	-	-	39,474	2,608,031
	Total Capital Financing Costs	-	1,592,438	3,556,212	3,150,395	-	-	126,917	8,425,963
Regional Recycled Water Program planning costs		-	-	-	-	-	-	-	-
Other Operating Costs		-	-	-	-	-	-	-	-
	Operating Equipment	-	-	127,765	2,376	-	-	2,066	132,207
	Succession Planning Labor Pool	-	-	72,292	1,344	-	-	1,169	74,805
	OPEB\PERS Pre-Funding	-	-	-	-	-	-	-	-
	Total Other Operating Costs	-	-	200,057	3,721	-	-	3,235	207,013
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-	-
Total General District Requirements		-	1,816,990	15,582,219	4,391,792	7,087,071	-	130,153	29,008,225
REQUIREMENTS BEFORE OFFSETS:		193,844,475	1,816,990	177,446,050	4,391,792	7,087,071	-	3,102,572	193,844,475
Revenue Offsets									
	Property Taxes - MWD Portion of SWC GO Debt Service	-	-	-	-	-	-	-	-
	Property Taxes - MWD GO Debt Service	-	-	-	-	-	-	-	-
	Interest on Investments	872,201	44,598	539,774	107,796	173,951	-	6,083	872,201
	Hydro-Power Revenue	-	-	-	-	-	-	-	-
	CRA Power Revenue	-	-	-	-	-	-	-	-
	Wadsworth Pumping Plant (DVL) Power Revenue	-	-	-	-	-	-	-	-
	Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)	27,575,443	1,409,995	17,065,452	3,408,056	5,499,608	-	192,332	27,575,443
	Misc. allocated to supply (PVID Lease)	-	-	-	-	-	-	-	-
	Property Taxes - SWC	-	-	-	-	-	-	-	-
	Revenue Reserve used for Revenue Bonds - I&P	-	-	-	-	-	-	-	-
	Annexation	-	-	-	-	-	-	-	-
	Total Revenue Offsets	28,447,644	1,454,592	17,605,226	3,515,852	5,673,558	-	198,416	28,447,644
NET REVENUE REQUIREMENTS:		165,396,831	362,398	159,840,824	875,941	1,413,512	-	2,904,156	165,396,831

Detailed Summary of Cost Allocations (by budget line Item, Includes Administrative and General Costs)
Fiscal Year Ending 2024

	Total Costs to Be Allocated	A&G Cost Redistribution	Adjusted Costs	Allocation Categories					Total	
				Demand	Commodity	Standby	Variable Commodity	Hydroelectric		
Departmental O&M										
Group	Item									
Office of General Manager		2,208,521	6,359,846	8,568,367	-	8,434,455	-	-	133,913	8,568,367
Office of General Manager	Board of Directors	2,170,417	(2,170,417)	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	-	15,397,543	15,397,543	-	15,397,543	-	-	-	15,397,543
External Affairs	Legislative Services	6,381,583	(6,381,583)	-	-	-	-	-	-	-
External Affairs	Media Communications Services	5,929,071	(5,929,071)	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Projects	9,839,752	(9,839,752)	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	2,999,011	1,032,274	4,031,286	-	4,031,286	-	-	-	4,031,286
Human Resources		4,352,874	11,956,365	16,309,240	-	16,054,347	-	-	254,892	16,309,240
Water Systems Operations	Office of the Manager	743,453	14,293,672	15,037,125	-	14,706,759	-	-	330,367	15,037,125
Water Systems Operations	Office of the Manager, Conveyance & Distribution Services	21,148	1,305,530	1,326,677	-	1,307,314	-	-	19,364	1,326,677
Water Systems Operations	Office of the Manager, Treatment Section	-	1,430,373	1,430,373	-	1,430,373	-	-	-	1,430,373
Water Systems Operations	Office of the Manager, Operations Support Services	144,418	2,809,628	2,954,047	-	2,889,146	-	-	64,901	2,954,047
Water Systems Operations	Operations Support Services	293,607	11,277,407	11,571,013	-	11,388,566	-	-	182,448	11,571,013
Water Systems Operations	Desert Region / C&D CRA	-	48,996,963	48,996,963	-	48,996,963	-	-	-	48,996,963
Water Systems Operations	System Operations Unit	-	13,795,617	13,795,617	-	13,795,617	-	-	-	13,795,617
Water Systems Operations	Power Operations and Planning	371,842	4,765,975	5,137,817	-	3,752,594	-	-	1,385,224	5,137,817
Water Systems Operations	Operations Planning & Programs Unit	-	3,289,173	3,289,173	-	3,289,173	-	-	-	3,289,173
Water Systems Operations	Treatment Jensen	-	26,852,048	26,852,048	-	20,418,277	-	6,433,771	-	26,852,048
Water Systems Operations	Treatment Diemer	-	27,846,889	27,846,889	-	19,541,883	-	8,305,006	-	27,846,889
Water Systems Operations	Treatment Mills	-	20,732,485	20,732,485	-	17,925,866	-	2,806,618	-	20,732,485
Water Systems Operations	Treatment Skinner	-	23,076,790	23,076,790	-	17,770,569	-	5,306,221	-	23,076,790
Water Systems Operations	Treatment Weymouth	-	26,972,241	26,972,241	-	20,571,022	-	6,401,220	-	26,972,241
Water Systems Operations	Water Quality Section	-	40,843,513	40,843,513	-	40,843,513	-	-	-	40,843,513
Water Systems Operations	C&D, Eastern Unit	923,056	27,832,470	28,755,526	-	27,975,023	-	-	780,503	28,755,526
Water Systems Operations	C&D, Western Unit	906,439	22,091,591	22,998,030	-	22,246,001	-	-	752,029	22,998,030
Water Systems Operations	OSS, Manufacturing Services Unit	596,938	11,631,143	12,228,081	-	12,097,499	-	-	130,583	12,228,081
Water Systems Operations	Environmental Health & Safety Section	784,012	21,772,250	22,556,263	-	22,482,920	-	-	73,342	22,556,263
Water Systems Operations	OSS, Fleet Services Unit	1,467,065	14,190,966	15,658,032	-	15,658,032	-	-	-	15,658,032
Water Systems Operations	OSS, Power Support Unit	137,931	13,653,382	13,791,313	-	9,872,929	-	-	3,918,384	13,791,313
Water Systems Operations	Office of the Manager, Operations & Planning Section	53,913	1,108,849	1,162,762	-	1,137,216	-	-	25,546	1,162,762
Water Systems Operations	Security Team & Security Management	-	-	-	-	-	-	-	-	-
Sustainability, Resilience & Innovation		9,342,510	(9,342,510)	-	-	-	-	-	-	-
Diversity, Equity & Inclusion		1,483,649	(1,483,649)	-	-	-	-	-	-	-
Equal Employment Opportunity		2,070,834	(2,070,834)	-	-	-	-	-	-	-
Office of the Chief Financial Officer		25,693,953	(25,693,953)	-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-	-	-
Engineering Services		2,943,159	61,388,844	64,332,003	-	63,358,314	-	-	973,688	64,332,003
Business Technology	Administrative Services	34,172,418	(34,172,418)	-	-	-	-	-	-	-
Business Technology	Information Technology	14,151,410	36,579,578	50,730,987	-	49,938,128	-	-	792,860	50,730,987
Water Resources Management	Resource Planning & Development	-	7,886,312	7,886,312	-	7,886,312	-	-	-	7,886,312
Water Resources Management	Resource Implementation	36,545	23,216,669	23,253,214	-	23,253,214	-	-	-	23,253,214
Water Resources Management	Office of the Group Manager	4,245	4,018,207	4,022,452	-	4,022,452	-	-	-	4,022,452
Ethics Office		2,156,213	(2,156,213)	-	-	-	-	-	-	-
Real Property		12,001,516	9,306,513	21,308,029	-	21,308,029	-	-	-	21,308,029
General Counsel		15,716,806	(15,716,806)	-	-	-	-	-	-	-
General Auditor		4,737,939	(4,737,939)	-	-	-	-	-	-	-
Total Departmental O&M		164,836,250	438,015,962	602,852,212	-	563,781,334	-	29,252,836	9,818,042	602,852,212
GENERAL DISTRICT REQUIREMENTS										
State Water Contract										
Supply - O&M		107,000,290	2,203,274	109,203,564	-	109,203,564	-	-	-	109,203,564
Supply - Capital		85,494,959	1,760,452	87,255,410	-	87,255,410	-	-	-	87,255,410
Power - O&M & Off-Aq Capital		258,551,933	5,323,918	263,875,851	-	-	-	263,875,851	-	263,875,851
Power - Capital (less Off-Aq)		(3,654,765)	-	(3,654,765)	-	-	-	(3,654,765)	-	(3,654,765)
Transmission - Capital - Commodity, Demand, & Standby		80,660,127	1,660,896	82,321,023	6,641,945	39,070,263	36,608,815	-	-	82,321,023
Transmission - O&M - Commodity only		198,687,447	4,091,231	202,778,678	-	202,778,678	-	-	-	202,778,678
Delta Conveyance - Other		54,500,000	1,122,225	55,622,225	4,487,793	26,398,785	24,735,647	-	-	55,622,225
Total State Water Contract		781,239,991	16,161,996	797,401,987	11,129,738	464,706,701	61,344,462	260,221,086	-	797,401,987
Colorado River Aqueduct Power Costs										
		85,626,149	1,763,153	87,389,302	-	-	-	87,389,302	-	87,389,302
Supply Programs (cash funded portion)										
		64,100,985	1,319,922	65,420,907	-	65,420,907	-	-	-	65,420,907
Demand Management (cash funded portion)										
Local Resources Program		27,463,721	565,513	28,029,234	-	28,029,234	-	-	-	28,029,234
Future Supply Actions & Stormwater Pilot		2,422,500	49,882	2,472,382	-	2,472,382	-	-	-	2,472,382
Conservation Program (cash funded portion)		25,000,000	514,782	25,514,782	-	25,514,782	-	-	-	25,514,782
Total Demand Management Costs		54,886,221	1,130,178	56,016,399	-	56,016,399	-	-	-	56,016,399
Capital Financing										
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		296,356,173	(12,589,581)	283,766,592	53,422,272	119,845,090	106,204,319	-	4,294,911	283,766,592
G.O. Bond Debt Service		1,965,750	40,477	2,006,227	682,771	729,220	594,237	-	-	2,006,227
Debt Administration		2,703,320	(114,840)	2,588,479	487,311	1,093,210	968,781	-	39,178	2,588,479
Bond Defeasance		-	-	-	-	-	-	-	-	-
PAYGO		135,000,000	(5,734,969)	129,265,031	24,335,605	54,593,387	48,379,566	-	1,956,474	129,265,031
Total Capital Financing Costs		436,025,242	(18,398,913)	417,626,329	78,927,957	176,260,907	156,146,903	-	6,290,562	417,626,329
Regional Recycled Water Program planning costs										
		-	-	-	-	-	-	-	-	-
Other Operating Costs										
Operating Equipment		8,836,761	(2,284,004)	6,552,757	-	6,332,576	117,770	-	102,411	6,552,757
Succession Planning Labor Pool		5,000,000	(1,292,331)	3,707,669	-	3,583,087	66,636	-	57,946	3,707,669
OPEB/PERS Pre-Funding		-	-	-	-	-	-	-	-	-
Total Other Operating Costs		13,836,761	(3,576,335)	10,260,426	-	9,915,663	184,406	-	160,357	10,260,426
Increase/(Decrease) in Required Reserves										
		(1,600,000)	1,600,000	-	-	-	-	-	-	-
Total General District Requirements										
		1,434,115,349	0	1,434,115,349	90,057,695	772,320,577	217,675,770	347,610,387	6,450,919	1,434,115,349
REQUIREMENTS BEFORE OFFSETS:										
		1,598,951,599	438,015,962	2,036,967,561	90,057,695	1,336,101,911	217,675,770	376,863,223	16,268,962	2,036,967,561
Revenue Offsets										
Property Taxes - MWD Portion of SWC GO Debt Service		36,010	-	36,010	2,905	17,091	16,014	-	-	36,010
Property Taxes - MWD GO Debt Service		1,965,750	(0)	1,965,750	514,438	571,400	879,912	-	-	1,965,750
Interest on Investments		9,165,313	(0)	9,165,313	896,827	4,756,430	1,683,254	1,763,477	65,325	9,165,313
Hydro-Power Revenue		10,710,879	-	10,710,879	-	-	-	-	10,710,879	10,710,879
CRA Power Revenue		2,989,504	-	2,989,504	-	-	-	2,989,504	-	2,989,504
Wadsworth Pumping Plant (DVL) Power Revenue		545,067	-	545,067	-	-	-	545,067	-	545,067
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		27,575,443	0	27,575,443	1,409,995	17,065,452	3,408,056	5,499,608	192,332	27,575,443
Misc. allocated to supply (PVID Lease)		6,048,886	-	6,048,886	-	6,048,886	-	-	-	6,048,886
Property Taxes - SWC		166,313,250	-	166,313,250	1,489,331	98,282,285	8,208,836	58,332,797	-	166,313,250
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-	-	-
Total Revenue Offsets		225,350,101	0	225,350,101	4,313,496	126,741,544	14,196,072	69,130,452	10,968,536	225,350,101
NET REVENUE REQUIREMENTS:		\$ 1,811,617,460	\$ 438,015,962	\$ 1,811,617,460	\$ 85,744,199	\$ 1,209,360,367	\$ 203,479,698	\$ 307,732,771	\$ 5,300,425	\$ 1,811,617,460

Costs Used for Calculating A&G Allocation Percentages
Adjusted to exclude negative numbers
Fiscal Year Ending 2024

		Total to Be Allocated Excluding A&G and Negative Values	Line Item Costs by Allocation Category (w/o A&G)					Total Allocations
			Fixed			Variable Commodity	Hydro-Electric	
			Demand	Commodity	Standby			
Departmental O&M								
Group	Item							
Office of General Manager		5,191,420	-	5,110,285	-	-	81,135	5,191,420
Office of General Manager	Board of Directors	-	-	-	-	-	-	-
Bay Delta Initiatives	Bay Delta Initiatives	5,733,957	-	5,733,957	-	-	-	5,733,957
External Affairs	Legislative Services	-	-	-	-	-	-	-
External Affairs	Media Communications Services	-	-	-	-	-	-	-
External Affairs	Manager, External Affairs/Special Pro	-	-	-	-	-	-	-
External Affairs	Conservation & Community Services	1,985,017	-	1,985,017	-	-	-	1,985,017
Human Resources		9,119,491	-	8,976,965	-	-	142,526	9,119,491
Water Systems Operations	Office of the Manager	8,000,784	-	7,825,007	-	-	175,778	8,000,784
Water Systems Operations	Office of the Manager, Conveyance &	860,565	-	848,004	-	-	12,560	860,565
Water Systems Operations	Office of the Manager, Treatment Sec	440,633	-	440,633	-	-	-	440,633
Water Systems Operations	Office of the Manager, Operations Su	1,617,698	-	1,582,157	-	-	35,541	1,617,698
Water Systems Operations	Operations Support Services	7,132,011	-	7,019,556	-	-	112,455	7,132,011
Water Systems Operations	Desert Region / C&D CRA	28,239,906	-	28,239,906	-	-	-	28,239,906
Water Systems Operations	System Operations Unit	7,944,926	-	7,944,926	-	-	-	7,944,926
Water Systems Operations	Power Operations and Planning	3,068,130	-	2,240,921	-	-	827,208	3,068,130
Water Systems Operations	Operations Planning & Programs Unit	2,119,586	-	2,119,586	-	-	-	2,119,586
Water Systems Operations	Treatment Jensen	12,270,232	-	12,270,232	-	-	-	12,270,232
Water Systems Operations	Treatment Diemer	11,786,758	-	11,786,758	-	-	-	11,786,758
Water Systems Operations	Treatment Mills	11,203,720	-	11,203,720	-	-	-	11,203,720
Water Systems Operations	Treatment Skinner	10,938,551	-	10,938,551	-	-	-	10,938,551
Water Systems Operations	Treatment Weymouth	12,757,349	-	12,757,349	-	-	-	12,757,349
Water Systems Operations	Water Quality Section	23,633,039	-	23,633,039	-	-	-	23,633,039
Water Systems Operations	C&D, Eastern Unit	14,909,163	-	14,504,488	-	-	404,675	14,909,163
Water Systems Operations	C&D, Western Unit	12,434,286	-	12,027,688	-	-	406,598	12,434,286
Water Systems Operations	OSS, Manufacturing Services Unit	7,610,761	-	7,529,486	-	-	81,275	7,610,761
Water Systems Operations	Environmental Health & Safety Sectio	12,529,931	-	12,489,189	-	-	40,741	12,529,931
Water Systems Operations	OSS, Fleet Services Unit	7,284,420	-	7,284,420	-	-	-	7,284,420
Water Systems Operations	OSS, Power Support Unit	8,493,212	-	6,080,123	-	-	2,413,089	8,493,212
Water Systems Operations	Office of the Manager, Operations & F	719,248	-	703,447	-	-	15,802	719,248
Water Systems Operations	Security Team & Security Managemen	-	-	-	-	-	-	-
Sustainability, Resilience & In		-	-	-	-	-	-	-
Diversity, Equity & Inclusion		-	-	-	-	-	-	-
Equal Employment Opportunit		-	-	-	-	-	-	-
Office of the Chief Financial C		-	-	-	-	-	-	-
Business Technology	Office of Manager	-	-	-	-	-	-	-
Engineering Services		37,788,425	-	37,216,484	-	-	571,942	37,788,425
Business Technology	Administrative Services	-	-	-	-	-	-	-
Business Technology	Information Technology	25,242,123	-	24,847,622	-	-	394,502	25,242,123
Water Resources Managemer	Resource Planning & Development	4,442,761	-	4,442,761	-	-	-	4,442,761
Water Resources Managemer	Resource Implementation	11,320,938	-	11,320,938	-	-	-	11,320,938
Water Resources Managemer	Office of the Group Manager	2,610,088	-	2,610,088	-	-	-	2,610,088
Ethics Office		-	-	-	-	-	-	-
Real Property		7,543,512	-	7,543,512	-	-	-	7,543,512
General Counsel		-	-	-	-	-	-	-
General Auditor		-	-	-	-	-	-	-
Total Departmental O&M	-	316,972,641	-	311,256,814	-	-	5,715,827	316,972,641
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M		107,000,290	-	107,000,290	-	-	-	107,000,290
Supply - Capital		85,494,959	-	85,494,959	-	-	-	85,494,959
Power - O&M & Off-Aq Capital		258,551,933	-	-	-	258,551,933	-	258,551,933
Power - Capital (less Off-Aq)		-	-	-	-	-	-	-
Transmission - Capital - Commodity, Demand, & Standby		80,660,127	6,507,938	38,281,988	35,870,201	-	-	80,660,127
Transmission - O&M - Commodity only		198,687,447	-	198,687,447	-	-	-	198,687,447
Delta Conveyance - Other		54,500,000	4,397,248	25,866,167	24,236,584	-	-	54,500,000
Total State Water Contract		784,894,756	10,905,186	455,330,851	60,106,785	258,551,933	-	784,894,756
Colorado River Aqueduct Power Costs		85,626,149	-	-	-	85,626,149	-	85,626,149
Supply Programs (cash funded portion)		64,100,985	-	64,100,985	-	-	-	64,100,985
Demand Management (cash funded portion)								
Local Resources Program		27,463,721	-	27,463,721	-	-	-	27,463,721
Future Supply Actions & Stormwater Pilot		2,422,500	-	2,422,500	-	-	-	2,422,500
Conservation Program (cash funded portion)		25,000,000	-	25,000,000	-	-	-	25,000,000
Total Demand Management Costs		54,886,221	-	54,886,221	-	-	-	54,886,221
Capital Financing								
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		278,041,361	52,344,432	117,427,114	104,061,557	-	4,208,258	278,041,361
G.O. Bond Debt Service		1,965,750	668,995	714,508	582,247	-	-	1,965,750
Debt Administration		2,536,254	477,479	1,071,154	949,235	-	38,387	2,536,254
Bond Defeasance		-	-	-	-	-	-	-
PAYGO		126,657,000	23,844,613	53,491,919	47,403,468	-	1,917,000	126,657,000
Total Capital Financing Costs		409,200,366	77,335,519	172,704,694	152,996,508	-	6,163,645	409,200,366
Regional Recycled Water Program planning costs		-	-	-	-	-	-	-
Other Operating Costs								
Operating Equipment		6,420,549	-	6,204,811	115,393	-	100,345	6,420,549
Succession Planning Labor Pool		3,632,864	-	3,510,795	65,292	-	56,777	3,632,864
OPEB/PERS Pre-Funding		-	-	-	-	-	-	-
Total Other Operating Costs		10,053,413	-	9,715,606	180,685	-	157,122	10,053,413
Increase/(Decrease) in Required Reserves		-	-	-	-	-	-	-
Total General District Requirements		1,408,761,889	88,240,705	756,738,357	213,283,978	344,178,081	6,320,767	1,408,761,889
REQUIREMENTS BEFORE OFFSETS:		1,725,734,530	88,240,705	1,067,995,172	213,283,978	344,178,081	12,036,593	1,725,734,530
Revenue Offsets								
Property Taxes - MWD Portion of SWC GO Debt Service		36,010	2,905	17,091	16,014	-	-	36,010
Property Taxes - MWD GO Debt Service		1,965,750	514,438	571,400	879,912	-	-	1,965,750
Interest on Investments		8,293,112	852,229	4,216,656	1,575,458	1,589,526	59,242	8,293,112
Hydro-Power Revenue		10,710,879	-	-	-	-	10,710,879	10,710,879
CRA Power Revenue		2,989,504	-	-	-	2,989,504	-	2,989,504
Wadsworth Pumping Plant (DVL) Power Revenue		545,067	-	-	-	545,067	-	545,067
Misc. allocated to A&G (RRWP, CVWD, Lease, Late Fees, etc.)		-	-	-	-	-	-	-
Misc. allocated to supply (PVID Lease)		6,048,886	-	6,048,886	-	-	-	6,048,886
Property Taxes - SWC		166,313,250	1,489,331	98,282,285	8,208,836	58,332,797	-	166,313,250
Revenue Reserve used for Revenue Bonds - I&P		-	-	-	-	-	-	-
Annexation		-	-	-	-	-	-	-
Total Revenue Offsets		196,902,456	2,858,904	109,136,318	10,680,221	63,456,894	10,770,121	196,902,456
NET REVENUE REQUIREMENTS:		\$ 1,528,832,074	\$ 85,381,802	\$ 958,858,854	\$ 202,603,757	\$ 280,721,188	\$ 1,266,473	\$ 1,528,832,074

A&G Cost Allocation Percentages
(Carried to COS Schedule E-a for A&G allocation)
Fiscal Year 2024

		A&G Line Item Allocators by Allocation Category						Total
		Fixed			Variable Commodity	Demand Management	Hydro-Electric	
		Demand	Commodity	Standby				
Departmental O&M								
Group	Item							
Office of General Manager		0.00%	1.61%	0.00%	0.00%		0.03%	1.64%
Office of General Manager	Board of Directors	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Bay Delta Initiatives	Bay Delta Initiatives	0.00%	1.81%	0.00%	0.00%	0.00%	0.00%	1.81%
External Affairs	Legislative Services	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
External Affairs	Media Communications Services	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
External Affairs	Manager, External Affairs/Special Projects	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
External Affairs	Conservation & Community Services	0.00%	0.63%	0.00%	0.00%	0.00%	0.00%	0.63%
Human Resources		0.00%	2.83%	0.00%	0.00%	0.00%	0.04%	2.88%
Water Systems Operations	Office of the Manager	0.00%	2.47%	0.00%	0.00%	0.00%	0.06%	2.52%
Water Systems Operations	Office of the Manager, Conveyance & Distr	0.00%	0.27%	0.00%	0.00%	0.00%	0.00%	0.27%
Water Systems Operations	Office of the Manager, Treatment Section	0.00%	0.14%	0.00%	0.00%	0.00%	0.00%	0.14%
Water Systems Operations	Office of the Manager, Operations Support	0.00%	0.50%	0.00%	0.00%	0.00%	0.01%	0.51%
Water Systems Operations	Operations Support Services	0.00%	2.21%	0.00%	0.00%	0.00%	0.04%	2.25%
Water Systems Operations	Desert Region / C&D CRA	0.00%	8.91%	0.00%	0.00%	0.00%	0.00%	8.91%
Water Systems Operations	System Operations Unit	0.00%	2.51%	0.00%	0.00%	0.00%	0.00%	2.51%
Water Systems Operations	Power Operations and Planning	0.00%	0.71%	0.00%	0.00%	0.00%	0.26%	0.97%
Water Systems Operations	Operations Planning & Programs Unit	0.00%	0.67%	0.00%	0.00%	0.00%	0.00%	0.67%
Water Systems Operations	Treatment Jensen	0.00%	3.87%	0.00%	0.00%	0.00%	0.00%	3.87%
Water Systems Operations	Treatment Diemer	0.00%	3.72%	0.00%	0.00%	0.00%	0.00%	3.72%
Water Systems Operations	Treatment Mills	0.00%	3.53%	0.00%	0.00%	0.00%	0.00%	3.53%
Water Systems Operations	Treatment Skinner	0.00%	3.45%	0.00%	0.00%	0.00%	0.00%	3.45%
Water Systems Operations	Treatment Weymouth	0.00%	4.02%	0.00%	0.00%	0.00%	0.00%	4.02%
Water Systems Operations	Water Quality Section	0.00%	7.46%	0.00%	0.00%	0.00%	0.00%	7.46%
Water Systems Operations	C&D, Eastern Unit	0.00%	4.58%	0.00%	0.00%	0.00%	0.13%	4.70%
Water Systems Operations	C&D, Western Unit	0.00%	3.79%	0.00%	0.00%	0.00%	0.13%	3.92%
Water Systems Operations	OSS, Manufacturing Services Unit	0.00%	2.38%	0.00%	0.00%	0.00%	0.03%	2.40%
Water Systems Operations	Environmental Health & Safety Section	0.00%	3.94%	0.00%	0.00%	0.00%	0.01%	3.95%
Water Systems Operations	OSS, Fleet Services Unit	0.00%	2.30%	0.00%	0.00%	0.00%	0.00%	2.30%
Water Systems Operations	OSS, Power Support Unit	0.00%	1.92%	0.00%	0.00%	0.00%	0.76%	2.68%
Water Systems Operations	Office of the Manager, Operations & Plann	0.00%	0.22%	0.00%	0.00%	0.00%	0.00%	0.23%
Water Systems Operations	Security Team & Security Management	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Sustainability, Resilience & Innovatic		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Diversity, Equity & Inclusion		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Equal Employment Opportunity		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Office of the Chief Financial Officer		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Business Technology	Office of Manager	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Engineering Services		0.00%	11.74%	0.00%	0.00%	0.00%	0.18%	11.92%
Business Technology	Administrative Services	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Business Technology	Information Technology	0.00%	7.84%	0.00%	0.00%	0.00%	0.12%	7.96%
Water Resources Management	Resource Planning & Development	0.00%	1.40%	0.00%	0.00%	0.00%	0.00%	1.40%
Water Resources Management	Resource Implementation	0.00%	3.57%	0.00%	0.00%	0.00%	0.00%	3.57%
Water Resources Management	Office of the Group Manager	0.00%	0.82%	0.00%	0.00%	0.00%	0.00%	0.82%
Ethics Office		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Real Property		0.00%	2.38%	0.00%	0.00%	0.00%	0.00%	2.38%
General Counsel		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
General Auditor		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total Departmental O&M	-	0.00%	98.20%	0.00%	0.00%	0.00%	1.80%	100.00%
GENERAL DISTRICT REQUIREMENTS								
State Water Contract								
Supply - O&M		0.00%	7.60%	0.00%	0.00%	0.00%	0.00%	7.60%
Supply - Capital		0.00%	6.07%	0.00%	0.00%	0.00%	0.00%	6.07%
Power - O&M & Off-Aq Capital		0.00%	0.00%	0.00%	18.35%	0.00%	0.00%	18.35%
Power - Capital (less Off-Aq)		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Transmission - Capital - Commodity, Demand, & Standby		0.46%	2.72%	2.55%	0.00%	0.00%	0.00%	5.73%
Transmission - O&M - Commodity only		0.00%	14.10%	0.00%	0.00%	0.00%	0.00%	14.10%
Delta Conveyance - Other		0.31%	1.84%	1.72%	0.00%	0.00%	0.00%	3.87%
Total State Water Contract		0.77%	32.32%	4.27%	18.35%	0.00%	0.00%	55.72%
Colorado River Aqueduct Power Costs		0.00%	0.00%	0.00%	6.08%	0.00%	0.00%	6.08%
Supply Programs (cash funded portion)		0.00%	4.55%	0.00%	0.00%	0.00%	0.00%	4.55%
Demand Management (cash funded portion)								
Local Resources Program		0.00%	1.95%	0.00%	0.00%	0.00%	0.00%	1.95%
Future Supply Actions & Stormwater Pilot		0.00%	0.17%	0.00%	0.00%	0.00%	0.00%	0.17%
Conservation Program (cash funded portion)		0.00%	1.77%	0.00%	0.00%	0.00%	0.00%	1.77%
Total Demand Management Costs		0.00%	3.90%	0.00%	0.00%	0.00%	0.00%	3.90%
Capital Financing								
Revenue Bond Debt Service net of BABs Interest Subsidy Payment		3.72%	8.34%	7.39%	0.00%	0.00%	0.30%	19.74%
G.O. Bond Debt Service		0.05%	0.05%	0.04%	0.00%	0.00%	0.00%	0.14%
Debt Administration		0.03%	0.08%	0.07%	0.00%	0.00%	0.00%	0.18%
Bond Defeasance		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
PAYGO		1.69%	3.80%	3.36%	0.00%	0.00%	0.14%	8.99%
Total Capital Financing Costs		5.49%	12.26%	10.86%	0.00%	0.00%	0.44%	29.05%
Regional Recycled Water Program planning costs		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Other Operating Costs		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Operating Equipment		0.00%	0.44%	0.01%	0.00%	0.00%	0.01%	0.46%
Succession Planning Labor Pool		0.00%	0.25%	0.00%	0.00%	0.00%	0.00%	0.26%
OPEB/PERS Pre-Funding		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total Other Operating Costs		0.00%	0.69%	0.01%	0.00%	0.00%	0.01%	0.71%
Increase/(Decrease) in Required Reserves		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total General District Requirements		6.26%	53.72%	15.14%	24.43%	0.00%	0.45%	100.00%
REQUIREMENTS BEFORE OFFSETS:		5.11%	61.89%	12.36%	19.94%	0.00%	0.70%	100.00%

Functionalization of A&G Costs
Summary of Allocation Results before Inclusion of Administrative and General Costs
Fiscal Year Ending 2024

Functional Categories	Functional Costs Allocated for FY 2024	Allocation Categories (Costs Exclude Administrative and General)						Total Allocated Excluding A&G
		Fixed			Variable Commodity	Hydro-Electric		
		Demand	Commodity	Standby				
Source of Supply								
CRA	\$ 60,735,815.88	\$ -	\$ 60,735,816	\$ -	\$ -	\$ -	\$ -	\$ 60,735,816
SWP	158,764,118	-	158,764,118	-	-	-	-	158,764,118
Other Supply	33,669,007	-	33,669,007	-	-	-	-	33,669,007
Subtotal: Source of Supply	253,168,941	-	253,168,941	-	-	-	-	253,168,941
Conveyance & Aqueduct								
CRA								
CRA Power	94,938,850	-	12,744,824	-	82,194,025	-	-	94,938,850
CRA All Other	70,277,251	1,046,027	63,465,773	5,765,452	-	-	-	70,277,251
SWP	-	-	-	-	-	-	-	-
SWP Power	195,417,464	-	-	-	195,417,464	-	-	195,417,464
SWP All Other	300,134,200	9,280,172	239,703,932	51,150,096	-	-	-	300,134,200
Other Conveyance & Aqueduct	72,063,459	4,850,452	38,683,215	28,529,792	-	-	-	72,063,459
Subtotal: Conveyance & Aqueduct	732,831,224	15,176,651	354,597,744	85,445,340	277,611,489	-	-	732,831,224
Storage								
Storage Costs Other Than Power								
Emergency	56,499,044	-	7,872,250	48,626,794	-	-	-	56,499,044
Drought	47,298,468	-	47,298,468	-	-	-	-	47,298,468
Regulatory	27,884,259	8,235,583	13,332,078	6,316,599	-	-	-	27,884,259
Storage Power	(545,067)	-	-	-	(545,067)	-	-	(545,067)
Subtotal: Storage	131,136,705	8,235,583	68,502,796	54,943,394	(545,067)	-	-	131,136,705
Treatment								
Jensen	54,143,617	7,211,616	31,844,332	8,653,899	6,433,771	-	-	54,143,617
Weymouth	55,370,328	7,584,742	32,282,688	9,101,679	6,401,220	-	-	55,370,328
Diemer	62,234,977	9,157,734	33,782,876	10,989,362	8,305,006	-	-	62,234,977
Mills	31,201,563	2,343,285	23,240,009	2,811,651	2,806,618	-	-	31,201,563
Skinner	52,314,351	7,616,910	30,250,872	9,140,348	5,306,221	-	-	52,314,351
Subtotal: Treatment	255,264,838	33,914,287	151,400,777	40,696,939	29,252,836	-	-	255,264,838
Distribution	204,076,707	28,055,281	154,503,341	21,518,085	-	-	-	204,076,707
Demand Management	67,345,945	-	67,345,945	-	-	-	-	67,345,945
Hydro-Electric	2,396,269	-	-	-	-	2,396,269	-	2,396,269
Total Costs Allocated	\$ 1,646,220,629	\$ 85,381,802	\$ 1,049,519,543	\$ 202,603,757	\$ 306,319,258	\$ 2,396,269	\$ -	\$ 1,646,220,629
A&G Costs to be Functionalized		\$ 362,398	\$ 159,840,824	\$ 875,940,540	\$ 1,413,512	\$ 2,904,156	\$ -	\$ 165,396,831

Percentages Used for Functionalization of A&G Costs

Allocation Categories				
Fixed			Variable	Hydro-Electric
Demand	Commodity	Standby	Commodity	
0.0%	5.8%	0.0%	0.0%	0.0%
0.0%	15.1%	0.0%	0.0%	0.0%
0.0%	3.2%	0.0%	0.0%	0.0%
0.0%	24.1%	0.0%	0.0%	0.0%
0.0%				
0.0%	1.2%	0.0%	26.8%	0.0%
1.2%	6.0%	2.8%	0.0%	0.0%
0.0%	0.0%	0.0%	0.0%	0.0%
0.0%	0.0%	0.0%	63.8%	0.0%
10.9%	22.8%	25.2%	0.0%	0.0%
5.7%	3.7%	14.1%	0.0%	0.0%
17.8%	33.8%	42.2%	90.6%	0.0%
0.0%	0.8%	24.0%	0.0%	0.0%
0.0%	4.5%	0.0%	0.0%	0.0%
9.6%	1.3%	3.1%	0.0%	0.0%
0.0%	0.0%	0.0%	-0.2%	0.0%
9.6%	6.5%	27.1%	-0.2%	0.0%
8.4%	3.0%	4.3%	2.1%	0.0%
8.9%	3.1%	4.5%	2.1%	0.0%
10.7%	3.2%	5.4%	2.7%	0.0%
2.7%	2.2%	1.4%	0.9%	0.0%
8.9%	2.9%	4.5%	1.7%	0.0%
39.7%	14.4%	20.1%	9.5%	0.0%
32.9%	14.7%	10.6%	0.0%	0.0%
0.0%	6.4%	0.0%	0.0%	0.0%
0.0%	0.0%	0.0%	0.0%	100.0%
100.0%	100.0%	100.0%	100.0%	100.0%

Administrative and General Costs Redistributed Among Functional Categories

Administrative and General Costs by Allocation Categories						Total A&G Costs Allocated	Functional Categories
Demand	Fixed Commodity	Standby	Variable Commodity	Hydro-Electric			
\$ -	\$ 9,250,007	\$ -	\$ -	\$ -	\$ 9,250,007	Source of Supply	
-	24,179,624	-	-	-	24,179,624	CRA	
-	5,127,758	-	-	-	5,127,758	SWP	
-	38,557,388	-	-	-	38,557,388	Other Supply	
						Subtotal: Source of Supply	
						Conveyance & Aqueduct	
-	1,941,025	-	379,285	-	2,320,309	CRA	
4,440	9,665,777	24,926	-	-	9,695,143		
-	-	-	-	-	-	SWP	
-	-	-	901,755	-	901,755		
39,389	36,506,680	221,143	-	-	36,767,212		
20,587	5,891,417	123,346	-	-	6,035,350	Other Conveyance & Aqueduct	
64,416	54,004,898	369,416	1,281,040	-	55,719,770	Subtotal: Conveyance & Aqueduct	
						Storage	
-	1,198,936	210,234	-	-	1,409,170	Storage Costs Other Than Power	
-	7,203,511	-	-	-	7,203,511		
34,955	2,030,463	27,309	-	-	2,092,727		
-	-	-	(2,515)	-	(2,515)	Storage Power	
34,955	10,432,910	237,543	(2,515)	-	10,702,894	Subtotal: Storage	
						Treatment	
30,609	4,849,861	37,414	29,689	-	4,947,574	Jensen	
32,193	4,916,623	39,350	29,538	-	5,017,704	Weymouth	
38,869	5,145,100	47,512	38,324	-	5,269,804	Diemer	
9,946	3,539,431	12,156	12,951	-	3,574,484	Mills	
32,329	4,607,179	39,518	24,486	-	4,703,512	Skinner	
143,947	23,058,194	175,950	134,987	-	23,513,078	Subtotal: Treatment	
						Distribution	
119,079	23,530,711	93,032	-	-	23,742,822		
-	10,256,723	-	-	-	10,256,723	Demand Management	
-	-	-	-	2,904,156	2,904,156	Hydro-Electric	
\$ 362,398	\$ 159,840,824	\$ 875,941	\$ 1,413,512	\$ 2,904,156	\$ 165,396,831	Total Costs Allocated	

Summary of Functionalization Percentages
Fiscal Year Ending 2024

	Source of Supply	Conveyance & Aqueduct	Storage	Water Quality	Treatment	Distribution	Demand Management	Hydro-Electric	Administrative & General	Total Allocated
Departmental Operations & Maintenance										
Office of General Manager	5%	12%	2%	0%	19%	16%	2%	1%	43%	100%
Water Systems Operations	5%	17%	1%	0%	40%	33%	0%	2%	2%	100%
Water Resources Management	70%	0%	0%	0%	0%	2%	28%	0%	0%	100%
Engineering Services	4%	21%	23%	0%	25%	19%	0%	1%	6%	100%
Bay Delta Initiatives	0%	100%	0%	0%	0%	0%	0%	0%	0%	100%
Business Technology	4%	9%	2%	0%	15%	12%	1%	1%	56%	100%
Real Property	6%	33%	8%	0%	0%	12%	0%	0%	41%	100%
Human Resources	7%	15%	3%	0%	24%	20%	2%	1%	27%	100%
Office of the Chief Financial Officer	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%
External Affairs	0%	0%	0%	0%	0%	0%	11%	0%	89%	100%
General Counsel	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%
General Auditor	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%
Ethics Office	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%
Sustainability, Resilience & Innovation	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%
Diversity, Equity & Inclusion	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%
Equal Employment Opportunity	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%
Total Departmental O&M	7%	15%	3%	0%	24%	20%	2%	1%	27%	100%
General District Requirements										
State Water Contract*	25%	75%	0%	0%	0%	0%	0%	0%	0%	100%
Colorado River Aqueduct Power Costs	0%	100%	0%	0%	0%	0%	0%	0%	0%	100%
Supply Programs (cash funded portion)	82%	0%	18%	0%	0%	0%	0%	0%	0%	100%
Demand Management (cash funded portion)	0%	0%	0%	0%	0%	0%	100%	0%	0%	100%
Capital Financing	4%	21%	23%	0%	25%	19%	0%	1%	6%	100%
Regional Recycled Water Program planning costs	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Other Operating Costs	7%	15%	3%	0%	24%	20%	2%	1%	27%	100%
Increase/(Decrease) in Required Reserves	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%
Total General District Requirements	18%	54%	8%	0%	8%	6%	4%	0%	2%	100%
Revenue Offsets	23%	57%	1%	0%	1%	1%	0%	5%	13%	100%
Net Revenue Requirements	14%	40%	7%	0%	14%	11%	4%	0%	9%	100%

* Includes Delta Conveyance planning costs

Cost Allocation Summary (by budget line item)
Fiscal Year Ending 2024

	Allocation Categories						Total
	Fixed			Variable	Other	Hydro-Electric	Allocated
	Demand	Commodity	Standby	Commodity			
Departmental Operations & Maintenance							
Office of General Manager	\$ -	\$ 8,434,455	\$ -	\$ -	\$ -	\$ 133,913	\$ 8,568,367
Water Systems Operations	-	350,097,254	-	29,252,836	-	7,662,689	387,012,779
Water Resources Management	-	35,161,978	-	-	-	-	35,161,978
Engineering Services	-	63,358,314	-	-	-	973,688	64,332,003
Bay Delta Initiatives	-	15,397,543	-	-	-	-	15,397,543
Business Technology	-	49,938,128	-	-	-	792,860	50,730,987
Real Property	-	21,308,029	-	-	-	-	21,308,029
Human Resources	-	16,054,347	-	-	-	254,892	16,309,240
Office of the Chief Financial Officer	-	-	-	-	-	-	-
External Affairs	-	4,031,286	-	-	-	-	4,031,286
General Counsel	-	-	-	-	-	-	-
General Auditor	-	-	-	-	-	-	-
Ethics Office	-	-	-	-	-	-	-
Sustainability, Resilience & Innovation	-	-	-	-	-	-	-
Diversity, Equity & Inclusion	-	-	-	-	-	-	-
Equal Employment Opportunity	-	-	-	-	-	-	-
Total Departmental O&M (including Administrative and General)	-	563,781,334	-	29,252,836	-	9,818,042	602,852,212
General District Requirements							
State Water Contract	11,129,738	464,706,701	61,344,462	260,221,086	-	-	797,401,987
Colorado River Aqueduct Power Costs	-	-	-	87,389,302	-	-	87,389,302
Supply Programs (cash funded portion)	-	65,420,907	-	-	-	-	65,420,907
Demand Management (cash funded portion)	-	56,016,399	-	-	-	-	56,016,399
Capital Financing	78,927,957	176,260,907	156,146,903	-	-	6,290,562	417,626,329
Regional Recycled Water Program planning costs	-	-	-	-	-	-	-
Other Operating Costs	-	9,915,663	184,406	-	-	160,357	10,260,426
Increase/(Decrease) in Required Reserves	-	-	-	-	Other	-	-
Total General District Requirements (including Administrative and General)	90,057,695	772,320,577	217,675,770	347,610,387	-	6,450,919	1,434,115,349
Revenue Offsets	(4,313,496)	(126,741,544)	(14,196,072)	(69,130,452)	-	(10,968,536)	(225,350,101)
Net Revenue Requirements	\$ 85,744,199	\$ 1,209,360,367	\$ 203,479,698	\$ 307,732,771	\$ -	\$ 5,300,425	\$ 1,811,617,460

* Includes Delta Conveyance planning costs

Revenue Requirement by sub-function and budget line item

Fiscal Year Ending 2024

Fiscal Year Ending 2024	Supply			Conveyance & Aqueduct					Storage				Treatment	Distribution	Demand Mgt.	Hydro	Total
	CRA	SWC	Other	CRA power	CRA other	SWC power	SWC other	Other C&A	Emergency	Drought	Regulatory	Power					
Dept. Operations & Maintenance	9,658,647	16,925,532	14,867,562	3,717,866	56,026,737	-	24,731,191	8,050,406	7,872,250	6,091,986	4,213,925	-	145,902,713	121,482,439	11,629,085	6,845,623	438,015,962
General District Requirements																	
State Water Contract*																	
Capital	-	85,494,959	-	-	-	(3,654,765)	135,160,127	-	-	-	-	-	-	-	-	-	217,000,320
O&M	-	107,000,290	-	-	-	258,551,933	198,687,447	-	-	-	-	-	-	-	-	-	564,239,670
Colorado River Aqueduct Power	-	-	-	85,626,149	-	-	-	-	-	-	-	-	-	-	-	-	85,626,149
Supply Programs	51,129,998	-	1,250,000	-	-	-	-	-	-	11,720,987	-	-	-	-	-	-	64,100,985
Demand Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54,886,221	-	54,886,221
Capital Financing Program	-	-	17,362,380	8,941,626	13,282,220	-	6,597,704	64,153,993	48,701,475	29,559,451	23,699,648	-	107,654,632	82,215,472	868,119	6,163,645	409,200,366
Regional Recycling Water Project	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Operating Costs	221,687	388,478	341,243	85,333	1,285,935	-	567,634	184,774	180,685	139,824	96,719	-	3,348,783	2,788,285	266,913	157,122	10,053,413
Revenue Offsets	(274,515)	(51,045,141)	(152,178)	(3,432,123)	(317,641)	(59,479,704)	(65,609,904)	(325,714)	(255,366)	(213,781)	(126,032)	(545,067)	(1,641,290)	(2,409,489)	(304,392)	(10,770,121)	(196,902,456)
Admin. & General	9,250,007	24,179,624	5,127,758	2,320,309	9,695,143	901,755	36,767,212	6,035,350	1,409,170	7,203,511	2,092,727	(2,515)	23,513,078	23,742,822	10,256,723	2,904,156	165,396,831
Net Revenue Requirement	69,985,823	182,943,742	38,796,764	97,259,159	79,972,394	196,319,219	336,901,412	78,098,809	57,908,214	54,501,979	29,976,987	(547,582)	278,777,916	227,819,529	77,602,668	5,300,425	1,811,617,460

* Includes Delta Conveyance planning costs

Fiscal Year Ending 2024	Supply			Conveyance & Aqueduct					Storage				Treatment	Distribution	Demand Mgt.	Hydro	Total
	CRA	SWC	Other	CRA power	CRA other	SWC power	SWC other	Other C&A	Emergency	Drought	Regulatory	Power					
Fixed Demand																	
engineering factors	-	-	-	0.0%	8.1%	0.0%	8.1%	8.1%	0.0%	0.0%	34.7%	0.0%	31.8%	34.7%	-	-	-
SWC Capital	-	-	-	-	-	-	10,905,186	-	-	-	-	-	-	-	-	-	10,905,186
Capital Financing	-	-	-	-	1,071,655	-	532,326	5,176,166	-	-	8,235,583	-	34,282,395	28,569,720	-	-	77,867,845
Regional Recycling Water Project	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A&G less Offsets	-	-	-	-	(21,189)	-	(2,117,950)	(305,127)	-	-	34,955	-	(224,162)	(395,360)	-	-	(3,028,832)
Total fixed demand	-	-	-	-	1,050,467	-	9,319,562	4,871,039	-	-	8,270,538	-	34,058,234	28,174,360	-	-	85,744,199
Fixed Commodity																	
engineering factors	100%	100%	100%	100%	47.5%	0%	47.5%	47.5%	0%	100%	38.6%	0%	29.5%	38.6%	1	-	-
Capital Financing	-	-	17,362,380	8,941,626	6,303,856	-	3,131,327	30,448,035	-	29,559,451	9,147,466	-	31,742,959	31,733,098	868,119	-	169,238,317
Regional Recycling Water Project	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SWC Capital	-	85,494,959	-	-	-	-	64,148,155	-	-	-	-	-	-	-	-	-	149,643,114
SWC O&M	-	107,000,290	-	-	-	-	198,687,447	-	-	-	-	-	-	-	-	-	305,687,738
Dept. O&M	9,658,647	16,925,532	14,867,562	3,717,866	56,026,737	-	24,731,191	8,050,406	7,872,250	6,091,986	4,213,925	-	111,019,440	121,482,439	11,629,085	-	396,287,065
Supply Programs	51,129,998	-	1,250,000	-	-	-	-	-	-	11,720,987	-	-	-	-	-	-	64,100,985
Demand Management	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54,886,221	-	54,886,221
Other Operating Costs	221,687	388,478	341,243	85,333	1,285,935	-	567,634	184,774	180,685	139,824	96,719	-	3,348,783	2,788,285	266,913	-	9,896,291
A&G less Offsets	8,975,491	(26,865,517)	4,975,580	1,941,025	9,515,021	-	(15,055,143)	5,891,417	1,018,251	6,989,731	1,904,431	-	28,347,790	22,030,229	9,952,331	-	59,620,636
Total fixed commodity	69,985,823	182,943,742	38,796,764	14,685,849	73,131,549	-	276,210,611	44,574,632	9,071,186	54,501,979	15,362,540	-	174,458,971	178,034,052	77,602,668	-	1,209,360,367
Fixed Standby																	
engineering factors	-	-	-	0%	44%	0%	44.5%	44.5%	100%	0%	26.7%	0%	38.7%	26.7%	-	-	-
SWC Capital	-	-	-	-	-	-	60,106,785	-	-	-	-	-	-	-	-	-	60,106,785
Capital Financing	-	-	-	-	5,906,709	-	2,934,052	28,529,792	48,701,475	-	6,316,599	-	41,629,278	21,912,654	-	-	155,930,559
Regional Recycling Water Project	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
A&G less Offsets	-	-	-	-	(116,331)	-	(11,669,598)	123,346	135,553	-	27,309	-	(756,390)	(301,537)	-	-	(12,557,647)
Total fixed standby	-	-	-	-	5,790,378	-	51,371,239	28,653,138	48,837,028	-	6,343,909	-	40,872,888	21,611,117	-	-	203,479,698
Variable Commodity																	
SWC Power	-	-	-	-	-	254,897,168	-	-	-	-	-	-	-	-	-	-	254,897,168
CRA Power	-	-	-	85,626,149	-	-	-	-	-	-	-	-	-	-	-	-	85,626,149
Variable Treatment	-	-	-	-	-	-	-	-	-	-	-	-	34,883,273	-	-	-	34,883,273
A&G less Offsets	-	-	-	(3,052,838)	-	(58,577,949)	-	-	-	-	-	(547,582)	(5,495,450)	-	-	-	(67,673,819)
Total variable commodity	-	-	-	82,573,310	-	196,319,219	-	-	-	-	-	(547,582)	29,387,823	-	-	-	307,732,771
Hydroelectric	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13,166,390	13,166,390
A&G less Offsets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(7,865,965)	(7,865,965)
Total hydroelectric	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,300,425	5,300,425
Total Costs	69,985,823	182,943,742	38,796,764	97,259,159	79,972,394	196,319,219	336,901,412	78,098,809	57,908,214	54,501,979	29,976,987	(547,582)	278,777,916	227,819,529	77,602,668	5,300,425	1,811,617,460



Capital Investment Plan Appendix

Fiscal Years
2022/23 and 2023/24



CAPITAL INVESTMENT PLAN

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CAPITAL INVESTMENT PLAN

Summary

The primary focus of the CIP Appendix is to provide information on all capital programs and projects that have been proposed, evaluated, and included in the budget forecast to begin or continue during and after fiscal year (FY) 2022/23 and FY 2023/24. Projects included in this document are referred to as “planned” and upon appropriation of the CIP budget for FY 2022/23 and FY 2023/24 are authorized to proceed by the Chief Engineer’s approval under the authority of the General Manager.

Scope, accomplishments, objectives and financial projections are provided for each capital program. Every project with work planned for the two budget years and beyond is listed under the Individual Program Summaries. However, projects in the post-construction phase are not included but will proceed to completion and closeout.

The total planned capital spending for FY 2022/23 and FY 2023/24 of approximately \$600 million includes all anticipated costs for labor including administrative overhead, construction and professional services contract costs, right of way, materials, operating equipment, and incidental expenses.

Annual planned capital spending for FY 2022/23 and FY 2023/24 is estimated to be approximately \$300 million and \$300 million, respectively, and is planned to be funded by a combination of current operating revenues (i.e., PAYGO) and debt. Engineering Services tracks actual spending against the plan and adjusts priorities and staff assignments to manage spending consistent with the overall CIP budget.

Capital Program	FY 2022/23	FY 2023/24	Total
Colorado River Aqueduct Reliability	\$ 39,270,000	\$ 36,900,000	\$ 76,170,000
Cost Efficiency & Productivity	\$ 15,610,000	\$ 12,630,000	\$ 28,240,000
Dams & Reservoirs Improvements	\$ 5,300,000	\$ 44,700,000	\$ 50,000,000
Distribution System Reliability	\$ 51,250,000	\$ 12,790,000	\$ 64,040,000
District Housing & Property Improvements	\$ 12,000,000	\$ 15,700,000	\$ 27,700,000
Minor Capital Projects	\$ 8,700,000	\$ 8,000,000	\$ 16,700,000
Prestressed Concrete Cylinder Pipe Rehabilitation	\$ 51,210,000	\$ 53,180,000	\$ 104,390,000
Regional Recycled Water	\$ 3,860,000	\$ 16,030,000	\$ 19,890,000
Right-of-Way & Infrastructure Protection	\$ 7,770,000	\$ 3,790,000	\$ 11,560,000
System Flexibility/Supply Reliability	\$ 31,590,000	\$ 40,610,000	\$ 72,200,000
System Reliability	\$ 48,500,000	\$ 37,700,000	\$ 86,200,000
Treatment Plant Reliability	\$ 24,940,000	\$ 17,170,000	\$ 42,110,000
Water Quality	\$ —	\$ 800,000	\$ 800,000
Total	\$ 300,000,000	\$ 300,000,000	\$ 600,000,000

Capital Investment Plan Organization

CIP Structure

The CIP is structured into three levels for clearer planning and reporting into the following format:

1. PROGRAM
2. PROJECT GROUP
3. PROJECT

The highest level of the CIP structure is Program. Programs are comprised of one or more Project Groups. There are 13 capital programs described in Table 1.

Table 1 - Capital Programs

Program	Definition
Colorado River Aqueduct (CRA) Reliability	Projects under this program will replace or refurbish facilities and components on the CRA system in order to reliably convey water from the Colorado River to Southern California.
Cost Efficiency & Productivity	Projects under this program will upgrade, replace, or provide new facilities, software applications, or technology that will provide economic savings that outweigh project costs through enhanced business and operating processes. Projects that address climate change in addition to providing the economic savings are also included.
Dams & Reservoirs Improvements	Projects under this program will upgrade or refurbish Metropolitan's dams, reservoirs, and appurtenant facilities in order to reliably meet water storage needs and regulatory compliance.
Distribution System Reliability	Projects under this program will replace or refurbish existing facilities within Metropolitan's distribution system including pressure control structures, hydroelectric power plants, and pipelines in order to reliably meet water demands.
District Housing & Property Improvements	Projects under this program will refurbish or upgrade Metropolitan workforce housing to enhance living conditions and attract and retain skilled employees.
Minor Capital Projects	This program will execute refurbishments, replacements, or upgrades at Metropolitan facilities that cost less than \$400,000 each, and which projects will be identified after adoption of the budget.
Prestressed Concrete Cylinder Pipe (PCCP) Rehabilitation	Projects under this program will refurbish or upgrade Metropolitan's PCCP feeders to maintain reliable water deliveries without unplanned shutdowns.
Regional Recycled Water	Projects under this Program are planned to demonstrate the feasibility of recycling wastewater for recharge of groundwater basins, and provide a new, sustainable and drought resistant source of supply for Southern California.
Right-of-Way and Infrastructure Protection	Projects under this program will refurbish or upgrade above-ground facilities and rights-of-way along Metropolitan's pipelines in order to address access limitations, erosion-related work, and security needs.
System Flexibility/Supply Reliability	Projects under this program will enhance the flexibility and/or increase the capacity of Metropolitan's water supply and delivery infrastructure to meet current and projected service demands. Projects under this program address climate change affecting water supply, regional drought, and alternative water sources for areas dependent on State Project Water.

Program	Definition
System Reliability	Projects under this program will improve or modify facilities throughout Metropolitan's service area in order to utilize new processes and/or technologies, and to improve facility safety and overall reliability. These include projects related to Metropolitan's Supervisory Control and Data Acquisition (SCADA) system and other Information Technology projects.
Treatment Plant Reliability: <ul style="list-style-type: none">• Diemer Plant• Jensen Plant• Mills Plant• Skinner Plant• Weymouth Plant	Projects under this program will replace or refurbish facilities and components at Metropolitan's five water treatment plants in order to continue to reliably meet treated water demands.
Water Quality	Projects under this program will add or upgrade facilities to ensure compliance with water quality regulations for treated water at Metropolitan's treatment plants and throughout the distribution system.

Capital Investment Plan Development

Background

The projects that comprise the proposed CIP have been identified from many Metropolitan studies of projected water needs as well as ongoing monitoring and inspections, condition assessments, and focused vulnerability studies. Staff continues to study operational demands on aging facilities and has made recommendations for capital projects that will maintain infrastructure reliability and ensure compliance with all applicable water quality regulations, and building, fire, and safety codes. Staff has also studied business and operations processes and proposed projects that will improve efficiency and provide future cost savings. Additionally, several projects have been identified and prioritized to provide flexibility in system operations to address uncertain supply conditions from the Colorado River and the State Water Project.

CIP Development Process

The CIP is structured to reflect Metropolitan's strategic goals of providing a reliable supply of high-quality water at the lowest cost possible. As part of the CIP development process, all new and existing projects are evaluated against an objective set of criteria to ensure existing and future capital investments are aligned with Metropolitan's priorities for water supply reliability, water quality, and public safety.

This rigorous evaluation process has resulted in a thorough review and assessment of all proposed capital projects by staff and managers prior to inclusion in the CIP budget. Staff continues to conduct comprehensive field investigations that identify critical replacement and refurbishment projects and a variety of necessary facility upgrades related to infrastructure reliability as well as regulatory compliance. Project schedules are evaluated regularly in order to plan for necessary capital investments in infrastructure reliability and to accommodate the urgency of each project. Additionally, current demand projections that account for ongoing conservation, planned increased local supply production, and the economy, have been evaluated to ensure that demand and growth-related projects are appropriately scheduled.

Project Proposals

Sponsors are required to submit proposals for all projects that have not yet been authorized through the completion of the project to be considered for inclusion into the CIP. For newly proposed projects, proposals must include scope, justification, alternatives, impacts of re-scheduling work for a later time, impact on operations and maintenance costs, and an estimate of total project cost. For existing projects, staff must also provide justification for continuing the project, explain any changes since the proposal was last evaluated, and describe critical phases for the upcoming years.

The projects are evaluated, rated, and prioritized based on the contents of the proposals. The guidelines provided to the project sponsors are summarized in Table 2.

Table 2 - Project Proposal Guidelines

Section	Guideline
Appropriation No., CIP Index No., Project No., (if existing) and Project Title	If a proposed project has been previously included in the CIP and has been assigned a CIP index number, provide the appropriation and CIP index number along with the project title and project number if one has been assigned. If not previously included in the CIP, provide a project title only.
Sponsoring Group	Indicate the Group sponsoring the project, as follows: 1) Office of General Manager 2) Water System Operations 3) Water Resource Management 4) Engineering Services 5) Information Technology 6) Real Property 7) Human Resources 8) External Affairs 9) General Counsel Department 10) General Auditor Department 11) Ethics Office 12) Environmental Planning
Project Manager and Proposal Preparer	Enter the name of the project manager if one was assigned and enter the name of proposal preparer.
Estimated Total Project Cost	Show the total estimate of cost from inception to completion of a project, including administrative overhead and contingency, as applicable.
GM Business Plan	Indicate the strategic priorities under GM's Business Plan the project best supports.
Current Project Phase	Indicate the phase (Study, Preliminary Design, etc.) as of the date proposal submitted.
Current Phase % Complete	Current phase percent complete as of the date proposal submitted.
Project Description	Describe the project scope of work.
Changes to Existing Project	For an existing project, describe any changes to the project scope, budget, or schedule over the past two years.
Justification	<p>Describe the nature of the issue to be addressed by the project. What is the problem? What is the function of the facility/component being addressed by the project? Why is the project needed? Why can't the project be postponed?</p> <p>Consider issues such as:</p> <ul style="list-style-type: none"> • Operational flexibility • New facility expansion • New water supply • Aging infrastructure deterioration/failure • Process improvement/failure • Maintenance capability • Seismic vulnerability • Obsolescence (vendor support, parts, technology, etc.) • Security • Regulatory Compliance (water quality, environmental, health and safety, etc.) • Cost savings • Revenue generation • Energy savings • Productivity <p>Include an explanation of how the project addresses any of the above issues and provide documentation, when applicable, to substantiate the need for the project.</p>

Section	Guideline
Directive	<p>Regulatory/Legal Settlement: Indicate if this is related to a written citation or directive, verbal/written directive, or in-house identification (includes environmental mitigation mandated by an MND or EIR).</p> <p>Special Initiative/Directive: Indicate if the project is specifically identified in one of the core or strategic initiatives; identified via Area Study, System Overview Study, etc.; and/or what phase(s) of the project have been authorized such as study, preliminary design, or final design.</p>
Service Disruption	Describe how Metropolitan's day-to-day operations could be impacted if the project is not approved. Consider business, as well as water system operations, including maintenance activities.
Cost/Productivity/Sustainability	Describe potential cost, water, and/or energy savings, waste reduction, revenue/energy generation, better customer service, etc., that justify the project. Include a pay-back period.
Alternatives	Provide a brief description of any potential project scope alternatives, including any opportunities to "stage" the work. Include if it is possible to only perform a portion of a project to meet foreseeable customer needs. Consider the possibility of new technology, changing demands, as well as environmental impacts and economies of scale. Describe any reasonable projects, processes, or other initiatives available as alternatives to the project. Discuss both positive and negative aspects of each alternative. If possible, explain what other similar agencies are doing about this or similar issue.
Additional Background Information	Provide any other supplemental information (e.g. detailed history of a problem, supporting technical information, shutdown constraints, etc.) that will help in evaluating the project. This can also be attached to the proposal.
Schedule	Indicate the proposed beginning and end dates for all appropriate phases.
Detailed Project Cost Estimate	<p>Include an itemized list of all costs for the project, as follows:</p> <ol style="list-style-type: none"> 1) Direct Labor with additives at the indicated rate 2) Equipment and Materials 3) Incidental Expenses 4) Professional/Technical Services (e.g., consultants) 5) Right-of-Way and Land Purchases (e.g., easements, fee title, escrow fees) 6) Operating Equipment Use and Rental 7) Contract Payments (e.g., construction contracts) 8) Administrative Overhead at the indicated rate 9) Contingency <p>All new project proposals and existing projects must include this estimate.</p>
Post-Implementation O&M Impacts	To the extent available/known, provide a description of the impacts, costs, and/or benefits this capital project is anticipated to have on Metropolitan's current and future O&M expenses and services upon completion (e.g. labor, maintenance, and equipment costs; enhanced reliability; improved water quality, etc. For example, "Ozone generators will substantially increase electrical consumption by approximately \$1 million annually and the number of new pieces of equipment will require periodic maintenance per the manufacturer's recommendations beginning in FY 2021/22. PDR and future studies will provide additional detail on the overall lifecycle costs"). This is required for projects greater than \$2 million and whose planned implementation date is within the next five fiscal years.
Approvals	<ol style="list-style-type: none"> 1) Person submitting the proposed project - Type name only 2) Team manager sponsoring the project 3) Unit manager sponsoring the project 4) Section manager sponsoring the project (e.g., all new and existing projects) 5) Group manager sponsoring the project (e.g., all new projects)

Evaluation Criteria

The evaluation criteria cover four characteristics or objectives for capital projects: Project Justification, Directive, Service Disruption, and Cost/Sustainability/Customer Service. In addition, a multiplier is applied to a project rating to factor in a risk assessment. Table 3 provides a description of the criteria and multiplier.

Table 3 - Evaluation Criteria and Multiplier

Criteria	Description
Justification	<p>Assessment of the overall importance of a project. Criterion looks at whether or not a project supports the following:</p> <ul style="list-style-type: none"> - Supply reliability - Infrastructure reliability - Regulatory compliance - Other goals (e.g., cost savings, revenue generation, energy savings, and increased productivity)
Directive	<p>Assessment of whether or not a project is specifically identified in one of the core or strategic initiatives, if any permitting agency such as the California State Department of Safety of Dams has issued a directive or citation to take corrective actions, the current authorized scope of work, and/or support the GM Business Plan:</p> <ul style="list-style-type: none"> - Regulatory/Legal Settlement - Special Initiative/Directive - GM Business Plan
Service Disruption	<p>Assessment of not doing a project. Criterion evaluates the following:</p> <ul style="list-style-type: none"> - Impact to Metropolitan's business operations - Impact to water system operations (e.g., system delivery and/or reliability, cascading impact on system due to failure, etc.)
Cost/Sustainability/Customer Service	<p>Assessment of whether or not a project improves the following:</p> <ul style="list-style-type: none"> - Cost efficiency - Sustainability - Customer service

Multiplier	Description
Risk Assessment	<p>Assessment of the probability of:</p> <ul style="list-style-type: none"> - Facility/component/process failure - Health, safety, water quality, or environmental impact - Missed opportunity (e.g., available resources, shutdown, revenue generation, cost savings, supply) - Not meeting service demands

Project Evaluation

A CIP Evaluation Committee comprised of staff from Water System Operations, Water Resource Management, Real Property, Engineering Services, Finance, Information Technology, Environmental Planning, and External Affairs evaluate and rate all project proposals. The evaluation criterion is designed to prioritize projects that directly support reliability, quality, and safety for inclusion in Metropolitan's proposed CIP.

An iterative process is employed to first score and rank every new and existing project, and then solicit feedback from project sponsors, customers, and resource providers in order to establish schedules and cash flow requirements. Those schedules, along with analyses of facility shutdown requirements, environmental permitting timeframes, and contracting process requirements, also enable resource managers to identify staffing needs. The final schedule and implementation plan for FY 2022/23 and FY 2023/24 are reflected in the budget and objectives summarized under each of the Individual Programs Summaries that appear later in this document.

Capital Investment Plan for Fiscal Years 2022/23 and FY 2023/24

Process Improvements

In October 2018, Metropolitan's Board amended the Administrative Code to allow for an appropriation of the total amount of planned biennial CIP spending following the approval of the biennial budget and authorize work on all capital projects identified in the CIP subject to the requirements of CEQA and limits on the General Manager's authority; and delegate responsibility to the General Manager to determine whether a project is exempt from CEQA. In order to be considered a planned project, the project must be included and described in this Capital Investment Plan Appendix for the two-year budget cycle. Consistent with this action, all requests to allocate appropriated CIP funds and proceed with planned capital projects are reviewed and approved by the Chief Engineer acting under the General Manager's authority. Upon approval, such requested funds are then transferred to the pertinent capital project. These transfers are based on both board actions and/or management decisions to initiate capital projects and/or proceed to the next phase of planned work.

In order to arrive at the spending plan for individual programs, the budget and schedule for each individual project is paired with project metadata (sponsor priorities, CIP scores, project status, etc.). The projects are then organized (or leveled) using an algorithm that combines anticipated capital spending with project prioritization. The resulting plan represents a spending model snapshot in time and is adjusted during the biennium as priorities and conditions change.

For this budget preparation cycle, we have deployed a new cloud-based CIP budgeting tool that performs the pairing and leveling work more efficiently. This new tool also makes it easier to create budget scenarios and to better maintain project and budget information, which helps with administration of CIP.

New to this budget cycle, in addition to the CIP scoring described above, each project is being reviewed against set risk criteria to evaluate the relative consequence and likelihood of failure. This data is used as a tool to assist in prioritizing projects.

In addition to the budgeting tool, two other web-based forms were deployed for this budget preparation cycle. One of the forms is a new web-based CIP proposal form, which streamlined the process.

Additions

Projects not described in this CIP Appendix are considered unplanned and are not included in the planned biennial spending. Unplanned projects require specific board authorization to add unplanned projects to the CIP Appendix before work can be initiated. Five unplanned projects totaling \$57.52 million were added to the FY 2020/21 and FY 2021/22 budget as authorized by the Board. These projects were identified after adoption of the budget and included projects such as Jensen, Skinner, & Weymouth Battery Energy Storage Systems, Gene Communication System Upgrade, Inland Feeder-Rialto Pipeline Intertie, Wadsworth Pump Discharge to Eastside Pipeline Bypass, and Inland Feeder-Citrus Reservoir and Pump Station Intertie. These projects are now included in this document and are considered planned projects for FY 2022/23 and FY 2023/24.

New Projects

Since the start of the current biennium, a total of approximately 100 new project proposals, including unplanned but excluding Minor Capital projects have been submitted and reviewed by the CIP Evaluation Committee to either proceed as proposed, or be staged to perform only a portion of the work in the biennial budget period, and have been incorporated into the current or the next CIP Appendix.

Major Objectives

Below, grouped by CIP Program, are descriptions of some of the capital project major activities anticipated to be underway or completed over the next two fiscal years.

Colorado River Aqueduct Reliability

Complete construction of the CRA Pumping Plant Sump System Rehabilitation and CRA Pumping Plants Crane Improvements projects. Continue construction of CRA 6.9 kV Power Cables Replacement for Pump Units 6 to 9, CRA Pumping Plants Water Treatment Systems Replacement, and CRA Pumping Plant Storage Buildings at Hinds, Eagle Mountain and Iron Mountain.

Cost Efficiency and Productivity

Deploy the new WINS Water Billing System. Complete the Jensen, Skinner, and Weymouth Battery Energy Storage Systems project. Start the Payroll-Timekeeping Reimplementation project.

Dams & Reservoirs Improvements

Complete design and begin construction of the Diamond Valley Lake Dam Monitoring System Upgrades project. Complete design of the Mills and Jensen finished water reservoir floating cover replacement projects. Complete preliminary investigations of the Lake Mathews and Lake Skinner spillways.

Distribution System Reliability

Complete construction of the Casa Loma Siphon Barrel No. 1 Seismic Retrofit, Orange County Feeder Relining - Stage 3, and Etiwanda Pipeline Lining Replacement - Stage 3. Begin design of the Lake Mathews Forebay Pressure Control Structure and Bypass project.

District Housing and Property Improvements Program

Complete final design and begin construction of District Housing Improvements and Employee Village Enhancement at Hinds, Eagle Mountain, Iron Mountain, and Gene.

Prestressed Concrete Cylinder Pipe Rehabilitation

Continue design, valve procurement, and construction to rehabilitate the remaining PCCP portions of the Second Lower Feeder. Continue preliminary design to rehabilitate the PCCP portions of the Allen-McColloch Pipeline, Calabasas Feeder, Rialto Pipeline, and Sepulveda Feeder. Continue annual electromagnetic inspections of all PCCP pipelines.

Regional Recycled Water Program

Complete design and initiate construction of Demonstration Plant Direct Potable Reuse Modifications.

Right-of-Way and Infrastructure Protection

Complete construction of pipeline protection and access improvements of San Bernardino County Region – Stage 1. Start construction of pipeline protection and access improvements of the Orange County Region – Stages 2 & 3 project. Continue efforts to develop and certify programmatic EIRs for the western San Bernardino, Los Angeles, Riverside and San Diego County regions.

System Flexibility/Supply Reliability

Complete construction of the drought-related projects such as Inland Feeder-Rialto Pipeline Intertie and Wadsworth Pump Discharge to Eastside Pipeline Bypass. Continue design of the Inland Feeder-Citrus Reservoir and Pump Station Intertie project. Begin construction of the Perris Valley Pipeline tunnel project.

System Reliability

Complete construction of La Verne Shops Improvements-Equipment Installation and Building Completion project. Complete deployment of Maximo Mobile Upgrade, Wifi Upgrade at La Verne, and Fuel Management System Upgrade projects.

Treatment Plant Reliability

Complete construction of the Jensen Electrical Upgrades – Stage 2 and Mills Electrical Upgrades – Stage 2 projects. Substantially complete construction of Weymouth Basins 5-8 and Inlet Channel Refurbishment project. Complete design of Diemer Filter Rehabilitation.

Water Quality

Complete the design for the Mills Bromate Control project.

Financial Projections

Planned capital spending for FY 2022/23 and FY 2023/24 is estimated to be \$300 million and \$300 million, respectively, and are planned to be funded by a combination of current operating revenues (R&R and PAYGO) and debt. Considerations for timing of nearby projects and facility shutdowns, urgency, aging infrastructure, updated service demand projections, and regulatory requirements are taken into account. Estimated capital spending is updated on a regular basis as new projects are added, other projects are completed, construction cost estimates are refined, or contracts awarded. From time to time, projects that have been undertaken are delayed, redesigned or deferred for various reasons and no assurance can be given that a project in the CIP will be completed in accordance with its original schedule.

The total planned spending for the FY 2022/23 and FY 2023/24 biennium is approximately \$600 million as shown in Figure 1 by Program. Planned spending has been estimated based on anticipated project progress and estimated costs for all ongoing and planned work for the new biennium budget period.

Figure 1 - Capital Investment Plan for FY 2022/23 and FY 2023/24 by Program

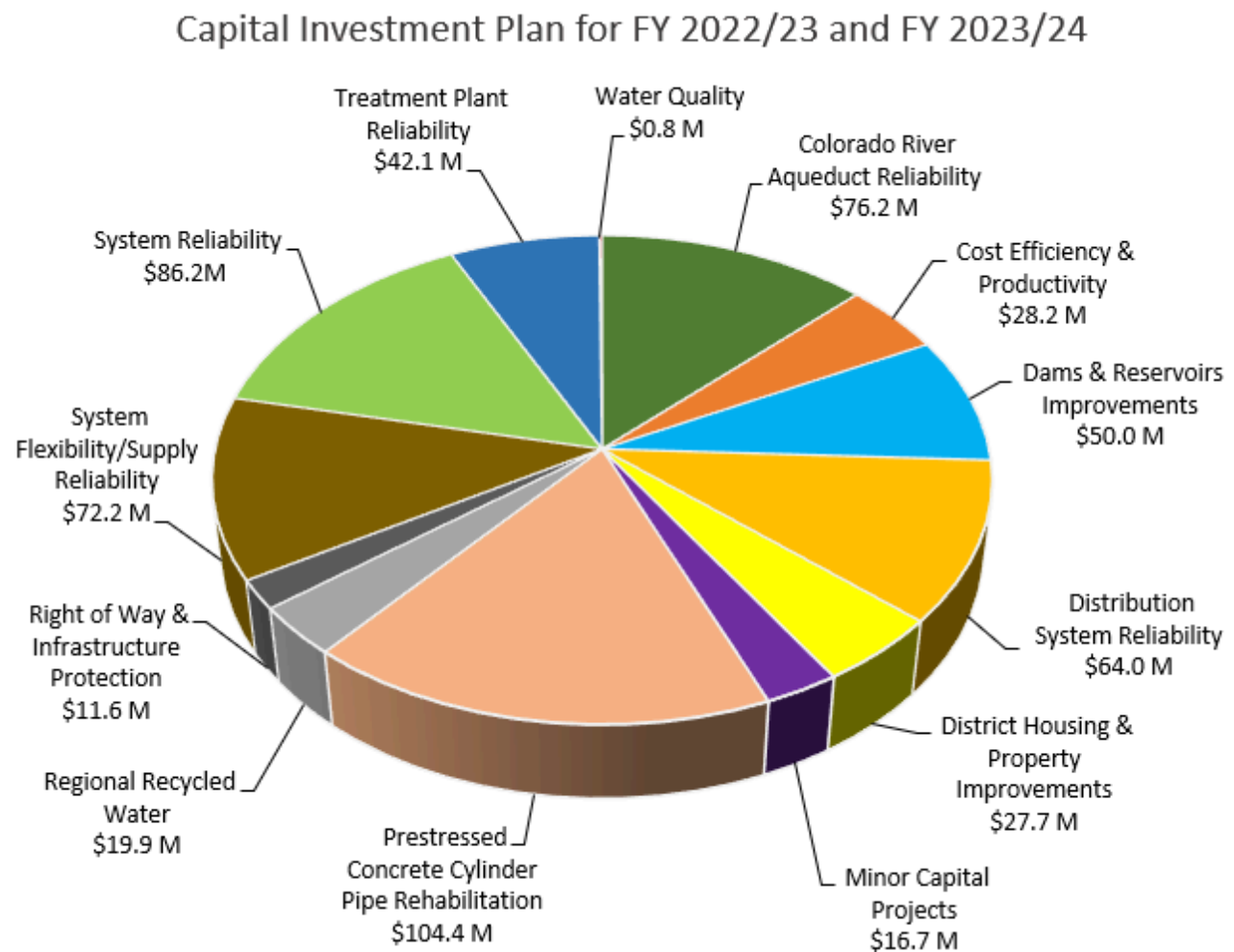


Figure 2 depicts the planned capital spending profile, including actual and projected cash flow, for the 15-year period from FY 2017/18 through FY 2031/32 and Table 4 provides a more detailed two-year outlook.

Figure 2 - CIP 15-year Window by Program FY 2017/18 through FY 2031/32

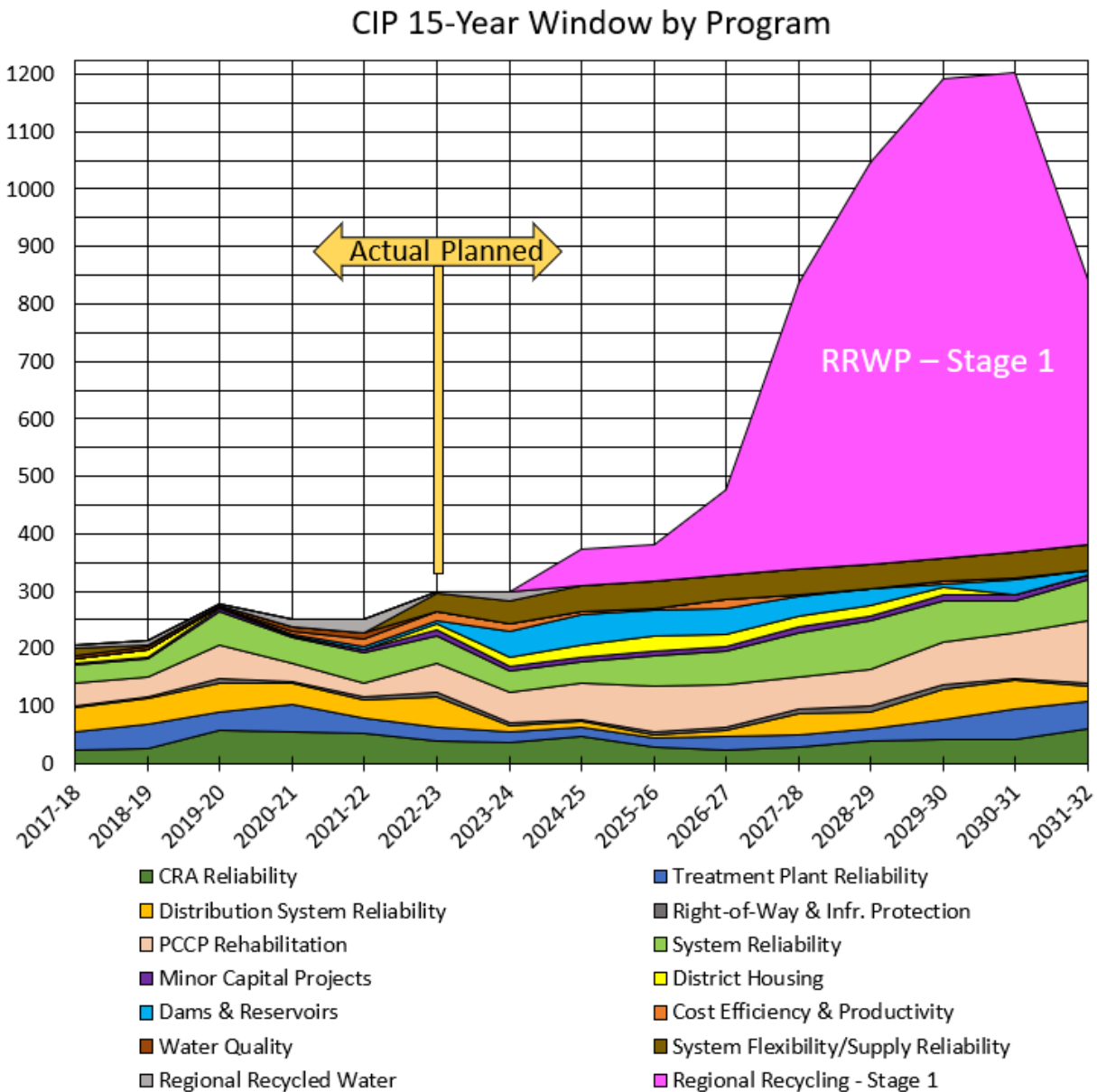


Table 4 - Two-Year Outlook

Capital Program and Project Groups	FY 2022/23	FY 2023/24
Colorado River Aqueduct Reliability	\$ 39,270,000	\$ 36,900,000
CRA - Conveyance	\$ 9,720,000	\$ 170,000
CRA - Electrical Systems	\$ 4,560,000	\$ 8,900,000
CRA - Pumping Plants	\$ 17,940,000	\$ 18,300,000
CRA - Other	\$ 7,050,000	\$ 9,530,000
Cost Efficiency & Productivity	\$ 15,610,000	\$ 12,630,000
Diamond Valley Lake Recreation - New/Improvements	\$ 2,660,000	\$ 4,000,000
Diamond Valley Lake Recreation - Refurbishment & Replacement	\$ 150,000	\$ —
IT - Business Support	\$ 5,100,000	\$ 1,230,000
Cost Efficiency & Productivity - Other	\$ 7,700,000	\$ 7,400,000
Dams & Reservoirs Improvements	\$ 5,300,000	\$ 44,700,000
Dams & Reservoirs - All	\$ 5,300,000	\$ 44,700,000
Distribution System Reliability	\$ 51,250,000	\$ 12,790,000
Pipelines, Tunnels, Canals	\$ 30,000,000	\$ 8,400,000
Pressure Control Structures/Hydroelectric Plants/Service Connections/Valves & Gates	\$ 12,400,000	\$ 4,300,000
Distribution System - Other	\$ 8,850,000	\$ 90,000
District Housing & Property Improvements	\$ 12,000,000	\$ 15,700,000
Housing & Property Improvements	\$ 12,000,000	\$ 15,700,000
Minor Capital Projects	\$ 8,700,000	\$ 8,000,000
Minor Capital Projects - All	\$ 8,700,000	\$ 8,000,000
Prestressed Concrete Cylinder Pipe Rehabilitation	\$ 51,210,000	\$ 53,180,000
Allen McColloch Pipeline	\$ —	\$ —
Calabasas Feeder	\$ —	\$ —
Rialto Feeder	\$ 3,300,000	\$ 5,900,000
Second Lower Feeder	\$ 43,500,000	\$ 46,900,000
Sepulveda Feeder	\$ 3,900,000	\$ 380,000
PCCP - Other	\$ 510,000	\$ —
Regional Recycled Water	\$ 3,860,000	\$ 16,030,000
Regional Recycled Water - All	\$ 3,860,000	\$ 16,030,000
Right-of-Way & Infrastructure Protection	\$ 7,770,000	\$ 3,790,000
Los Angeles Region	\$ 3,780,000	\$ 2,390,000
Orange County Region	\$ 630,000	\$ —
Riverside/San Diego Region	\$ —	\$ —
Western San Bernardino Region	\$ 1,800,000	\$ —
RWIPP - Other	\$ 1,560,000	\$ 1,400,000
System Flexibility/Supply Reliability	\$ 31,590,000	\$ 40,610,000
System Flexibility/Supply Reliability - All	\$ 31,590,000	\$ 40,610,000
System Reliability	\$ 48,500,000	\$ 37,700,000
IT/SCADA - Infrastructure	\$ 12,700,000	\$ 18,300,000
Operations Support	\$ 21,700,000	\$ 15,000,000

Capital Program and Project Groups	FY 2022/23	FY 2023/24
System Reliability - Security and Other	\$ 14,100,000	\$ 4,400,000
Treatment Plant Reliability	\$ 24,940,000	\$ 17,170,000
Diemer	\$ 7,100,000	\$ 320,000
Jensen	\$ 9,050,000	\$ 2,540,000
Mills	\$ 120,000	\$ 40,000
Skinner	\$ 1,470,000	\$ 250,000
Weymouth	\$ 7,200,000	\$ 14,020,000
Treatment - General	\$ —	\$ —
Water Quality	\$ —	\$ 800,000
Water Quality - All	\$ —	\$ 800,000

Potential Changes to the Proposed CIP

The program described below will require specific Board decisions prior to funding and authorization to proceed. Descriptions for proposed projects are included in the Individual Program Summaries section of this Appendix.

Regional Recycled Water Program (RRWP)

Currently, activities associated with the RRWP are limited to operations and testing at the Advanced Water Treatment Demonstration Plant (demo plant) and environmental permitting. Ongoing modifications to the demo plant are included in the CIP, while preparation of a Programmatic Environmental Impact Report is funded under the O&M budget.

The decision to proceed with the full-scale recycled water program is expected to be brought to the Board during FYs 2022/23 and 2023/24. At that time, the regulatory, operational, and financial impacts of developing the full-scale program will be presented to the Board to decide whether or not to proceed. If the full-scale recycled water program proceeds, the project will be added to the CIP at that time. Subsequent changes to that program such as consideration of direct potable reuse or expanding capacity will be treated the same way.

Diamond Valley Lake Recreation

The Diamond Valley Lake (DVL) Recreation Program is a unique appropriation. The program was fully funded with \$92.8M in 2004 with the intent of constructing recreational facilities at the East and West Dams. One condition placed on the appropriation was that proceeds from the sale of any surplus DVL properties would be used as additional funds to the program. In 2021, Metropolitan sold DVL land valued at \$4.5M and this amount was added to the DVL Recreation appropriation. Future sales will be addressed similarly.

Drought Projects

In response to the ongoing historic statewide drought, this CIP includes several projects that address decreasing water supplies both in specific parts of Metropolitan's service area and across the entire District (e.g., Wadsworth Pump Discharge to Eastside Pipeline Bypass project, Rialto Feeder and Mills Plant Pump Station). Engineering Services and Water System Operations are continuing to investigate capital improvements that mitigate drought impacts and more projects are expected to be brought to the Board during FYs 2022/23 and 2023/24.

Capital Investment Plan Detail

The core of this section is the Individual Program Summaries, which provide information for each capital project that has been proposed, evaluated, and included in the budget forecast to begin or continue during and after FY 2022/23 and FY 2023/24. Scope, accomplishments, objectives and financial projections are provided for each capital program. Every project with work planned for the two budget years and beyond is listed under the appropriate Program Summary by Project Group. The information provided reflects project details current as of the time of publication and is subject to change. The Individual Program Summaries are ordered alphabetically by program title. The information contained in the Individual Program Summaries is described in further detail below.

Key Information

For each program, key information is highlighted at the top of the Individual Program Summary page and includes the FY 2022/23 and FY 2023/24 biennial estimate. Table 5 provides an explanation of each item.

Table 5 - Key Program Information

Item	Description
Program Description	A brief explanation of the types of projects included in the Program
Fiscal Year 2022/23 Estimate	Estimate of planned spending from July 2022 through June 2023. It does not include a contingency amount.
Fiscal Year 2023/24 Estimate	Estimate of planned spending from July 2023 through June 2024. It does not include a contingency amount.
Accomplishments for FY 2020/21 and FY 2021/22	Listing of new projects initiated and major milestones achieved during the last biennium
Objectives for FY 2022/23 and FY 2023/24	Listing of key projects with major milestones planned during the budget biennium with the total project estimate, estimated construction completion, and the planned milestone for FY 2022/23 and FY 2023/24

Narratives

Each Individual Program Summary also contains a narrative portion that includes a description of each project planned to be underway during the two-year budget period and beyond.

Table 6 - Program Summary Index

Program Title	Page No.
Colorado River Aqueduct Reliability	18
Cost Efficiency & Productivity	31
Dams & Reservoirs Improvements	37
Distribution System Reliability	43
District Housing & Property Improvements	69
Minor Capital Projects	71
PCCP Rehabilitation	72
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Right-of-Way & Infrastructure Protection	77
System Flexibility/Supply Reliability	80
System Reliability	85
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Individual Program Summaries

Colorado River Aqueduct (CRA) Reliability Program

Fiscal Year 2022/23 Estimate: \$39.3 million

Fiscal Year 2023/24 Estimate: \$36.9 million

Program Information: *The CRA Reliability Program is composed of projects to replace or refurbish facilities and components of the CRA system in order to reliably convey water from the Colorado River to Southern California.*

Accomplishments for FY 2020/21 and FY 2021/22

- New projects initiated:
 - Black Metal Mountain 2.4 kV Electrical Power Upgrade
 - CRA Conduit Protection & Lining – Stage 1
 - CRA Eagle Mountain 230 kV Local Breaker Failure Backup
 - CRA Pumping Plant 2.3 kV and 480 V Switchrack Rehabilitation
 - CRA Whipple Mountain Tunnel Flow Metering Equipment Upgrades
 - Eagle Lift and Eagle West Siphons Seismic Improvements
 - Eagle Mountain 230 kV Physical and Cyber Security Upgrades
- Major milestones achieved:
 - Construction completed:
 - CRA Radial Gates Rehabilitation
 - CRA Pumping Plants Discharge Line Isolation Bulkhead Couplings
 - CRA Pumping Plant Sump System Rehabilitation – Procurement
 - CRA Radial Gates Rehabilitation
 - Gene Wash Reservoir Discharge Valve Rehabilitation
 - Construction contracts awarded:
 - CRA Pumping Plants Crane Improvements
 - CRA Pumping Plants Water Treatment Systems Replacement
 - Mile 12 Flow and Chlorine Monitoring Station Upgrades

Objectives for FYs 2022/23 and 2023/24

Project	Total Project Estimate	Estimated Construction Completion	Major Milestones
Copper Basin Reservoirs Discharge Valve Rehabilitation	\$ 24,000,000	2025	Begin construction
CRA 6.9 kV Power Cables Replacement for Pump Units 6 to 9	\$ 25,000,000	2025	Begin construction
CRA Conduit Structural Protection	\$ 16,000,000	2024	Begin construction
CRA Desert Region Security Improvements	\$ 8,200,000	2024	Begin construction
CRA Main Transformer Refurbishment	\$ 41,000,000	2027	Begin equipment procurement and construction
CRA Pumping Plant Sump System Rehabilitation	\$ 43,000,000	2024	Begin construction
CRA Pumping Plants Crane Improvements	\$ 19,000,000	2023	Complete construction
CRA Pumping Plant Storage Buildings at Hinds, Eagle Mountain and Iron Mountain	\$ 9,000,000	2024	Begin Construction
Eagle Mountain Pumping Plant Village Utilities & Paving Replacement	\$ 7,600,000	2024	Begin construction
Gene Pumping Plant Village Utilities & Paving Replacement	\$ 24,000,000	2025	Begin construction
Hinds Pumping Plant Discharge Valve Pit Platform Replacement	\$ 8,400,000	2026	Begin construction
Hinds Pumping Plant Village Utilities & Paving Replacement	\$ 9,500,000	2024	Begin construction
Mile 12 Flow and Chlorine Monitoring Station Upgrades	\$ 6,000,000	2022	Complete construction

CRA - Conveyance Project Group

Cabazon Radial Gate Facility Improvements

The Cabazon Radial Gate facility is located on the CRA in the city of Cabazon within Riverside County and approximately one mile upstream of the San Jacinto Tunnel. The Cabazon Radial Gate facility was constructed in 1936 and consists of a 17-foot-wide by 16-foot-tall radial gate controlled by an electric motor actuator. The facility was designed to protect the downstream conduits and tunnels from becoming over-pressurized in the event of a blockage by diverting water into an 800-foot long, concrete-lined channel which flows into the San Gorgonio Wash. The existing radial gate, motor, and controls have reached the end of their service life and are no longer reliable. This project will replace the radial gate, motor, and controls.

CRA Conduit Structural Protection

The CRA has 55 miles of cut-and-cover conduits where vehicles and storm water flows can cross over the aqueduct. These conduits are unreinforced concrete horseshoe-shaped structures placed upon an invert slab. At some locations, these conduits are subject to heavy vehicle loading or over pressurization due to friction inside the conduits during high pump flow. Few locations include existing dirt roads that cross the aqueduct with insufficient soil cover over the conduit; including locations where heavy equipment must be placed over or near the conduit for access into tunnels or siphons. This project will install new protective structures such as reinforced concrete slabs that span over the unreinforced conduits and epoxy lining the conduits at specific locations. New pressure sensor systems will be installed to monitor the pressure inside the conduits during the high pump-flow operation. The slabs will protect the conduits from damage by distributing the equipment loading to the surrounding soil and epoxy liner will decrease internal friction to allow increased flow through the CRA conveyance system.

CRA Conveyance System High Flow Reliability Upgrades

With recent drought conditions and low State Project Water allocations, Metropolitan has needed to maximize flow through the CRA. With climate change impacting regional hydrology, this operational flexibility will continue to be a priority. This project will strengthen the conveyance portion of the CRA system and make other improvements to provide reliable flow through eight CRA pumps year-round. Some of the options that will be considered include: carbon fiber lining, polyurethane lining, epoxy lining, steel lining, and structural strengthening from the outside of the conduits. This project will also add new gauging stations along the conveyance system that will be tied into SCADA to provide flow data and information that will assist with maintaining uniform and steady state flow conditions through the CRA system. This is a new project for this budget cycle.

CRA Freda Siphon Barrel No. 1 Improvements

Like many of the CRA's 146 siphons, the Freda Siphon was constructed of cast-in-place reinforced concrete in the 1930s. And like many of these siphons, the Freda Siphon leaks measurably. This project will investigate methods to permanently address reoccurring leaks and will perform improvements that are cost-effective, long-term, and require minimal shutdown time and maintenance. This is a new project for this budget cycle.

CRA Freda Siphon Barrel No. 1 Leak Repairs

Surface investigations of the CRA Freda Siphon Barrel No. 1 conducted over the past two years revealed as many as eight leakage locations. This project will install internal seals along the siphon during the 2023 CRA scheduled shutdown, reducing the risk of future unplanned outages and costly emergency repairs. This is a new project for this budget cycle.

CRA Sodium Hypochlorite Injection Improvements

Sodium hypochlorite is added along the Colorado River Aqueduct (CRA) to control algal growth, which could damage downstream process equipment and reduce flow through the aqueduct. The existing process of providing weekly chlorine addition into the canal produces spikes in chlorine concentrations, which causes the Colorado River water to be more corrosive to conveyance systems and plant equipment, and produce higher concentrations of trihalomethanes (THMs). This project will construct new chlorine storage and injection facilities to provide a steady rate of chlorine addition at five locations along the CRA. Each new chlorine injection facility will be upgraded to include a sodium hypochlorite tank and pump skid, chemical storage building with climate control and spill containment, delivery driveway with spill containment area, piping, chlorine injection system, security cameras, fencing, electrical and Supervisory Control and Data Acquisition (SCADA) upgrades, and other appurtenances. This is a new project for this budget cycle.

CRA Tunnels - Seismic Resilience Upgrades

The CRA is a 242-mile-long conveyance system that transports water from the Colorado River to Lake Mathews in Riverside County, including 124 miles of tunnels which were constructed in the late 1930s and was placed into service in 1941. While the CRA was constructed in accordance with current seismic codes of that time, recent seismic risk assessments of the CRA identified that some tunnels are vulnerable to damage from a strong earthquake on the southern San Andreas Fault. The scope of this project includes detailed seismic evaluations and completion of upgrades to strengthen vulnerable tunnel sections.

Eagle Lift & Eagle West Siphons Seismic Improvements

The CRA was placed into service in 1941. As the aqueduct traverses the desert, it must cross numerous drainage channels, ravines, and other natural depressions. At each crossing, the aqueduct's open channel transitions into a buried conduit (an inverted siphon) which drops below ground and passes beneath the natural surface feature. At the downstream end of the siphon, water re-emerges into the open aqueduct. Typically, siphons are cast-in-place reinforced concrete conduits, which vary in length from 150 feet to 5 miles. An initial assessment of the Eagle Lift and Eagle West Siphons identified potential slope failure of the soil covering the siphons as a result of a strong seismic event. This project will perform a detailed slope stability analysis and evaluate and implement mitigation options.

Iron Mountain Tunnel Rehabilitation

The Iron Mountain Tunnel was constructed between 1933 and 1938 as part of the CRA system. The tunnel is located downstream of the Iron Mountain pumping plant, and is eight miles long. The tunnel's cross-section is horseshoe-shaped, with overall dimensions of 16 feet high by 16 feet wide. Longitudinal and transverse cracks up to 1 inch wide have developed along a 2,500-foot-long stretch of the tunnel. This project will mitigate the cracks with focus on tunnel strengthening and corrosion protection.

Mile 12 Flow and Chlorine Monitoring Station Upgrades

One of the CRA's critical points for monitoring flow rates and chlorine levels is located at Mile Marker 12 (Mile 12) along the aqueduct. Monitoring equipment includes a set of flowmeters with instrumentation, chlorine analyzers, communication equipment, solar panels, and batteries. Although the equipment has performed well, it has exceeded its life span and is beginning to fail. This project will replace the existing deteriorated flow meters, chlorine analyzers, transducers, and associated cabling; relocate the data and communications equipment from the underground manhole to a new aboveground monitoring station with air-conditioned cabinets to enable stable operation; construct a reliable power source by upgrading the solar power system and installing a propane generator; and install security system.

Whitewater Tunnel No. 2 Seismic Upgrades

The CRA consists of five pumping plants, 124 miles of tunnels, 63 miles of canals, and 55 miles of conduits, siphons, and reservoirs. One of the tunnels, CRA Whitewater Tunnel No. 2, is a 1.5-mile long; 16-feet-high by 16-feet-wide horseshoe-shaped tunnel that parallels closely to the southern San Andreas Fault and crosses a splay of the fault approximately one-third mile from its west portal. A recent seismic risk assessment of the CRA identified that this tunnel is vulnerable to major damage from a strong earthquake on the southern San Andreas Fault. This project will perform near-term upgrades to strengthen vulnerable tunnel sections at the east and west portals of this tunnel and will improve access at the west portal. Furthermore, in order to expedite post-earthquake repairs of damaged tunnel sections, the design of a new bypass tunnel will be prepared in advance, steel sets will be procured and stockpiled, and tunnel repair contractors will be prequalified so that specialized equipment and crews may mobilize rapidly.

CRA - Electrical Systems Project Group

Electrical Power Distribution Upgrades - Gene, Iron Mountain, Eagle Mountain and Hinds Pumping Plants

The 2.4 kV electrical power distribution system at all five Desert pumping plant facilities conveys power from the Metropolitan-owned 2.4 kV switchyard to all areas within the property confines, including the operations and maintenance (O&M) areas and the villages. The power is stepped down from 2.4 kV, typically by a pole-mounted transformer, to the required voltage based on the end-user's requirements, usually 120 V for houses and buildings, or 480 V for workshops. The existing breakers are no longer common in the power industry, and spare parts are difficult to obtain.

This project will replace the existing electrical power distribution systems at Gene, Iron Mountain, Eagle Mountain and Hinds Pumping Plants with new distribution systems. The work will include replacing existing 2.4 kV breakers with 4160 V breakers, and replacing associated cables, conduits, feeders, risers, wooden poles and transformers, and appurtenances. Underground power distribution will be used when feasible. This project will improve the reliability of water deliveries and will optimize maintenance.

Black Metal Mountain 2.4 kV Electrical Power Upgrade

Black Metal Mountain (Black Metal) Site No. 1 and Site No. 2 are two of Metropolitan's communication sites, located in the San Bernardino Mountains. The sites are situated on top of a mountain and provide line-of-sight propagation to subsequent communication sites. Given their prime location, the communication sites on Black Metal Mountain house communication equipment for Metropolitan, several state and local government agencies, and local radio stations and cellular service providers. The existing power line that serves the two communication sites is aging and deteriorated, and is located in rocky, mountainous terrain, with some poles on the edge of 600-foot cliffs. This project will design and construct the replacement of the existing 2.4 kV power line that serves MWD's Black Metal Mountain communication sites. The work will include installation of new power poles and larger conductors to increase the available power to the sites; and improvements to the service roads to improve access for maintenance and safety.

CRA 230 kV Transmission Line Rehabilitation and Improvements

The CRA has an extensive 230 kV transmission system that originates from Hoover Dam and supplies power to all five pumping plants. This 305-mile-long transmission system was installed in the 1930s and consists of approximately 75-foot-high steel towers with concrete and wood footings, aluminum and copper conductors and supports to attach the conductors and insulators to the towers. Spans between the towers average 1,200 feet with varying ground elevations. Vertical clearances between the lowest conductor and the ground in a span can vary with temperature, wind speeds, and power loads. Over the years, operating under maximum power loads and extreme desert temperatures has led to insufficient vertical clearances as required by the current electrical standards. This project will assess ground clearances of the conductor spans and increase clearances, as needed, by raising the heights of existing towers and/or adding new towers between spans, and construct tower refurbishment or replacement.

This project will also rehabilitate and improve substations, switching stations, and control rooms related to the CRA's 230 kV transmission system in order to comply with NERC (North American Electric Reliability Corporation) standards, increase system reliability, and reduce the risk of unplanned CRA outages. Rehabilitations and upgrades include new relays at Eagle Mountain Pumping Plant to mitigate potential cascading power outages from a stuck breaker scenario at Eagle and installation of physical and cyber security systems at Gene and Eagle Mountain pumping plants control rooms and switch yards (NERC requirements); replacement of outdated bank protection relays at Intake, Gene, Iron Mountain and Hinds pumping plants; replacement of outdated 230 kV disconnect switches at Camino Switching Station and at the Gene and Iron Mountain 230 kV transfer buses; installation of a new 230 kV circuit breaker at Iron Mountain to enable isolation of the Iron-Eagle 230 kV transmission line without disruption of CRA water deliveries; and, purchase of SCE circuit breakers which are integrated with the CRA's 230 kV system at Gene and Eagle Mountain pumping plants in order to give MWD greater flexibility without having to rely on SCE. Additional scope may be added as a result of the planned assessment of the existing system.

CRA 6.9 kV Power Cable Replacement for Pump Units 6 to 9

There are a total of 45 primary pumps and motors at the five CRA pumping plants. Power is transmitted to the motors via 3-inch-diameter cables which run through a tunnel that connects each switch house to each pump house. The quantity of cables varies from nine to 27 per plant. These cables were installed in four phases from 1939 through 1959. After 57 to 77 years of continuous service, the power cables have deteriorated and need to be replaced. Oil has begun to leak through cracks in the lead jacket, at the cable connection joints, and at the cable termination points. Frequent repairs are required to address the leaks and maintain the cables' insulating capacity. The cables for pump units 1 to 5 have been replaced. This project includes the replacement of the deteriorated main power cables for pump units 6 to 9 at each of the five CRA pumping plants. Final design for units 6 to 9 is underway.

CRA Auxiliary Power Systems

All five CRA pumping plants have medium and low voltage systems that were constructed to the design standards of the 1930s-1950s. They provide power for general lighting, cranes, computers, shop equipment, and critical equipment such as the pumping plant sump pumps and lubrication oil pumps. Over the years, numerous additional electrical loads have been added to the auxiliary power systems. As a result, the distribution panel capacity limits have been exhausted, and some wiring is now undersized. The scope of this project includes upsizing the distribution panels to allow additional capacity and space for future loads and replacing the cables and conduits to comply with current National Electrical Code and safety standards. Additional scope may be added as a result of preliminary assessment of each of the sites to make the auxiliary power systems reliable.

CRA Hinds Sand Trap & Wasteway Radial Gate Power Cable Replacement

The power cables that feed the Hinds sand trap and wasteway radial gate are installed in a shallow ductbank that is deteriorating due to heat, in a conduit that is overfilled. This project will construct a new ductbank with power conductors designed to address these deficiencies. This is a new project for this budget cycle.

CRA Main Transformer Rehabilitation

Seven transformers provide electrical power to each CRA pumping plant to maintain continuous operation. All existing transformer units are original equipment, with many dating from the 1940s. Recent inspections revealed oil leakage and other signs of aging for some of the transformers. Failure of an existing transformer would disrupt power supply to a pumping plant and interrupt water delivery. The scope of the project includes rehabilitation of existing transformers, replacement of transformers, or the addition of spare transformers along with spill containment structures. This work also includes rehabilitation of transformer cranes, upgrade of transformer monitoring and protection equipment, and replacement of leaky circulating oil pumps that are used to cool the transformers and construction of secondary spill containment for the transformer banks. Additional scope may be added as a result of preliminary assessment to ensure reliable and safe operation of the CRA pumping plants.

CRA Pumping Plants 2.3 kV and 480 V Switchrack Rehabilitation

All five CRA Pumping Plants have a 2.3 kV and 480 V switchracks that are the central power distribution for the 2.3 kV, 480 V and 120 V that feed multiple medium and low voltage critical equipment within the pumping plants. These switchracks have been in service since the original construction of the CRA. The equipment is old, obsolete and replacement parts are difficult to obtain. This project will rehabilitate or replace the 2.3 kV and the 480V switchracks and associated support systems at all five CRA pumping plants to ensure the equipment meets the current safety and electrical codes and provides a reliable power supply to the plants.

CRA Standby Diesel Engine Generator Replacements

Back-up power for critical auxiliary systems at the Iron Mountain, Gene, and Intake pumping plants is provided by stand-by diesel generators. The standby generators are over 50 years old, require frequent repairs, and have reached the end of their service lives. In addition, upgrades to the generators' ancillary equipment are planned to meet current fire codes and environmental regulations. This project will improve the reliability of emergency power for critical auxiliary systems at the pumping plants. The scope of the project includes relocation and installation of new generators. The replacement generator will include alarms, valves, meters, and a control system capable of automatic start-up upon loss of primary power, automatic transfer back to primary power once the normal source is reestablished, and remote status monitoring.

CRA - Pumping Plants Project Group**CRA Intake Pumping Plant Shore Protection**

The existing shore protection consisting of rocks and concrete was installed around the time the Intake Pumping Plant was constructed in the 1930s and has exceeded its service life. This project will improve the shore adjacent to the Intake Pumping Plant to protect the access road and facilities and mitigate against short and long-term coastal erosion due to wave attack, flooding, and water surface level changes in Lake Havasu. This is a new project for this budget cycle.

CRA Iron Mountain and Eagle Mountain Pumping Plant Reservoirs Floor Relining

The Iron Mountain and Eagle Mountain CRA Pumping Plants each have approximately 9.3-acre forebay reservoirs, constructed in the 1930s. Recent geotechnical investigations of the asphalt reservoir floor liners found them to be in poor condition. This project will replace the liners at each plant with a material that precludes seepage water loss and extends the life of the facility. This is a new project for this budget cycle.

CRA Main Pump, Motor & Discharge Valve Refurbishment

Each of the five CRA pumping plants has nine main pumps that lift the water to the required elevation necessary to continue flow down the aqueduct. The 45 main pumps rely on multiple auxiliary systems including lubricating oil systems, circulating water systems, controls and instrumentation systems, discharge valves, electrical and control panels, and individual equipment components. In the mid-1980s, a major rehabilitation project was undertaken on the 45 main pumps. As a result, the 45 main pumps have performed well over the nearly 30 years since the rehabilitation work was completed. However, the pumps are now showing signs of deterioration caused by continuous operation over that length of time. While that project successfully extended the service life of the pumps and increased their hydraulic capacity, the pump auxiliary systems were not addressed at that time. The pump auxiliary systems are from the original CRA construction and are now deteriorating and need to be replaced. An assessment of the main pumps, motors, and their auxiliary systems at all five CRA pumping plants will capture current operating conditions, create updated baseline documents of all existing equipment and systems, and provide replacement or rehabilitation recommendations for all pump and auxiliary system components. This project will refurbish the 45 main pumps and their auxiliary systems, including lubricating oil systems, circulating water systems, controls and instrumentation systems, discharge valves, electrical and control panels, and individual equipment components, as deemed appropriate by the assessment.

CRA Main Pumping Plants Sand Removal System

At each of the five CRA pumping plants, water is withdrawn from the CRA, filtered to remove large debris and sand, and then pumped through a circulating water system. The circulating water system feeds the pump house service water system, the cooling system at each pump unit, the fire water system, the irrigation water system, and the domestic water treatment system. The existing filtration system is not designed to strain out fine silts. Consequently, the fine silt has built up as sediment in the circulating water systems leading to excessive wear and failure of equipment such as pump packing, cooling water piping, and heat exchangers. This project will upgrade the filtration system to remove fine silt and eliminate sediment build up and refurbish or replace any identified damaged components.

CRA Main Pumping Plant Unit Coolers and Heat Exchangers

Each of the five CRA pumping plants has nine main pumps. Each main pump has a cooling system to cool various components of the pump system. At each pump house, water is pumped through a circulating water system, which feeds multiple unit coolers and heat exchangers for each individual main pump unit. Over the years, the unit coolers have developed many leaks. Lack of sufficient cooling water could cause equipment overheating, and the leaks could damage nearby electrical equipment. This project will replace, refurbish, or upgrade the cooling and heat exchange system at each pump unit.

CRA Pumping Plant Flow Meter Replacement

Acoustic flow meters are installed at each of the five CRA pumping plants on each 10-foot-diameter delivery lines. Flow measurements are used to adjust pumping rates and balance the flows from plant to plant. The existing meter units have begun to deteriorate due to their age and exposure to harsh desert conditions. Continued loss of accuracy could lead to incorrect flow adjustments or unsynchronized pumping rates, which could cause flooding at the plants or overtopping of the aqueduct. This project will install new acoustic flow meters on the delivery lines which will connect to nearby flow meter consoles housed inside new pre-fabricated equipment enclosures.

CRA Pumping Plant Sump System Rehabilitation

Each of the five CRA pumping plants has two independent main sumps that collect water leakage from the main pumps and discharge valves. Each main sump is approximately 9 feet wide, 20 feet long, and 35 feet deep, and can hold up to 48,000 gallons, or approximately one day's worth of leakage water. The sump system pumps this water back to the pumping plant's main intake manifold or to its forebay, depending on the plant. The 72-year-old sump piping systems and support structures are deteriorating and have exceeded their service lives. Failure of the sump piping systems has the potential to cause extensive flooding and damage to valves and pumps within the pumping plants. This project will rehabilitate the pumping plant sump systems, including replacement of corroded sump mechanical equipment, piping, and access structures at all five CRA pumping plants. Access features will be upgraded by replacing corroded catwalks, ladders and handrails within the sumps. This project will also rehabilitate circulating water equipment and piping systems, which are in the sump area. A construction contract was awarded by the Board in December 2018, but construction activities were suspended in March 2020 due to the COVID-19 pandemic, which led to cancellation of the construction portion of the contract. The delivered equipment and materials will be installed by another contractor.

CRA Pumping Plants Circulation Water Systems

Each of the five CRA pumping plants has nine main pumps. Each of these pump units use cooling equipment to cool various components of the pump system that feeds from the plant's circulating water system. This system has a loop with branch connections and an isolation valve at each unit. The piping and the valves that supply the circulating water systems run through the entire length of the plants and are all from the original CRA construction. The piping and the valves are now showing signs of deterioration. They are clogged, corroded and leaking. This project will replace and upgrade the circulation water systems for each pumping unit. Additional scope may be added as a result of preliminary assessment to ensure reliable operation of the CRA pumping plants.

CRA Pumping Plants Crane Improvements

All five CRA Pumping Plants have a single overhead bridge crane which spans the motor room floor and a portable bridge crane for the individual pump bay below the motor room floor. These overhead cranes were installed in the pumping plants during the original CRA construction and have been in operation since 1939. The cranes are used to raise, shift, and lower main pump components and motors for maintenance and replacement. These cranes were rehabilitated in the late 1980s. They have now reached the end of their service life where spare parts for the original crane components are difficult to obtain or no longer available. Parts which were replaced in the 1980s are outdated and the electronic features are no longer supported by vendors. This project will replace all the overhead bridge cranes on the motor room floor and the portable pump-bay cranes below the motor room floor at all five pumping plants. The replacement includes the bridges, trolleys, hoists, drive trains, the system controls, and other associated support systems.

CRA Pumping Plants Delivery Line Rehabilitation

Each of the nine main pumps at the five CRA pumping plants discharges the water into individual six-foot diameter discharge lines. The nine discharge lines then merge and transition into three 10-foot diameter pipelines, Delivery Line Nos. 1, 2 and 3, that convey flow to the top of the lift and then discharge into a headgate structure which empties the water into the next section of the aqueduct. These delivery lines vary in length from 500 feet to 1,400 feet up steep and rocky slopes. The five Delivery Line No. 1s were constructed in the 1930s and were lined with coal tar enamel to protect the interior of the pipe from corrosion. After 82 years of service, the existing coal tar enamel lining on Delivery Line No. 1 at each plant is cracking, flaking, and the steel is starting to corrode. The mortar linings for Delivery Line Nos. 2 and 3 are still in good condition and do not require repair.

Additionally, depending on the length of each delivery line, there are a total of three or four expansion joints located along the line. These expansion joints are deteriorated and showing signs of corrosion. A number of the most deteriorated joints have been rehabilitated recently. This project provides a comprehensive rehabilitation of the remainder of delivery lines at each of the five CRA pumping plants, including replacement of the coal tar enamel with a cement mortar lining, expansion joints, and minor coating repairs.

CRA Pumping Plant Public Address and Alarm Communication System Upgrades

The existing communication signals at each of the five CRA pumping plants are currently separated into different systems including: the public address system; plant alarms; evacuation, fire, and carbon dioxide alarms; and phones. The signals in these systems were originally installed to utilize the existing 1930's era phone line systems and is becoming increasingly difficult to maintain as replacement parts are becoming harder to find and troubleshooting is difficult. This project will replace the existing communication systems with a new integrated and modernized auditory communication system with alarms that are able to be identified based on different distinct alarm tones. Signal wires will be routed to a network enabled public address and general alarm system and new speakers will be added at each plant to improve ability to hear audible alarms throughout the plants, even when loud pumps are operating. This is a new project for this budget cycle.

CRA Pumping Plant Pump Lower Guide Access Improvements

At each of the CRA pumping plants, maintenance staff performs a monthly inspection of the lower guides below each main pump. The access hatch utilized for this inspection is located about twenty feet above the deck and situated where it is difficult for workers to reach and inspect the lower guides. This project will design, fabricate, and install a total of 45 new work platforms/mezzanines to improve safety and to facilitate the routine inspections. This is a new project for this budget cycle.

CRA Pumping Plant Rollup Door and Window Replacements

Over the past 80 years, the desert has taken its toll on the windows and rollup doors at all five CRA pumping plants. Many windows can no longer be opened, making it difficult to keep the main pump motors cool on 120-degree summer days. And the rollup doors in the pumphouses and head gate structures require continual maintenance to keep them operable. This project will replace these building features while remaining consistent with architectural standards. This is a new project for this budget cycle.

CRA Pumping Plants Water Treatment Systems Replacement

All five of Metropolitan's Pumping Plants are located in remote areas of Riverside and San Bernardino Counties where municipal water treatment systems are not available. Each plant is instead served by a community on-site water treatment system. These on-site treatment systems are skid-mounted membrane filtration units that include a strainer, a pair of activated carbon vessels, and a domestic water storage tank. These systems have been in continuous operation for almost 30 years and now suffer from frequent membrane and pipe failures. This project will replace the skid-mounted water treatment systems in its entirety including replacement of water quality monitoring instrumentation and laboratory equipment, upgrading electrical and instrumentation control systems for the disinfection system, construction of a temperature-controlled building to house GAC vessels and disinfection equipment, and construction of ancillary support systems.

CRA Pumping Plant Reservoir Spillway Auto Rejection - Iron Mountain and Eagle Mountain

The Iron Mountain and Eagle Mountain Reservoirs are located on the upstream side of the Iron Mountain and Eagle Mountain pumping plants, respectively. The reservoirs dampen fluctuations in flow between the five pumping plants. Each reservoir contains a spillway which allows discharge of water to the desert in the event of a power outage of the main pumps. The two spillways were designed in the 1930s to safely reject up to approximately 1,200 cubic feet per second (cfs). The pumping plants were expanded in the 1950s and the aqueduct can now operate up to approximately 1,750 cfs. Rejection of flows greater than 1,200 cfs would cause uncontrolled release of water at these two reservoirs, which could damage nearby facilities and public roads or property. This project will modify the reservoir spillways to allow safe rejection of up to 1,750 cfs of water in the event of a power outage of the main pumps.

Erosion and Drainage Control Protection for CRA Switchracks and Ancillary Structures

The five CRA pumping plants are located in remote areas of the California desert which are periodically subjected to flash floods that carry high volumes of water, silt, and debris. During major storm events, the pumping plants' pump houses and support facilities are susceptible to flooding and deposition of silt and debris. In recent years, at several of the plants, debris flows have affected various critical electrical facilities. This project will include site grading, addition of perimeter drainage channels to intercept offsite flows, upsizing of storm drain culverts and extension of patrol roads to access the new storm drain facilities for maintenance. Additional scope may be added as a result of preliminary assessment to ensure reliable operation of the CRA pumping plants.

Gene and Intake Pumping Plant Outlet Structure Gate Rehabilitation

Each of the five CRA pumping plants has nine main pumps that lift water from the pump house through a series of converging delivery lines that convey water from the pump house to a headgate structure located at the top of a hill. These structures then convey water to the downstream portion of the aqueduct. Flow from each headgate structure is regulated by three nine-foot square steel gates. Recent inspections at the Intake and Gene pumping plants have revealed that the protective coatings on various components of the gates have begun to crack and peel. This project will recoat the headgate structure outlet gates at the Intake and Gene pumping plants in order to prevent metal loss due to corrosion. Additional scope may be added as a result of preliminary assessment to ensure proper operation and maintenance of the outlet gates.

Hinds Pumping Plant Discharge Valve Pit Platform Replacement

At each of the CRA pumping plants, water is pumped from the plants' intake manifold through the main pumps and out of the discharge valves. From the discharge valves, water travels through the delivery lines and into the aqueduct. The discharge valves are located in small concrete pits below the pumping plant floor room. At the Hinds Pumping Plant, the concrete pit is equipped with a raised platform due to the deep pit. The platform is necessary to maintain the discharge valve's ancillary equipment. After over 77 years of service in a humid environment created mainly from the pump cooling water discharge, the metal platform has corroded significantly and needs to be replaced. This project will replace the discharge valve platform and relocate cooling water discharge piping in all nine discharge pits at the Hinds Pumping Plant. Additional scope may be added as a result of preliminary assessment to replace the platform that will ensure the safety of the workers as well as improving access to maintain the discharge valves.

Iron Mountain, Hinds & Eagle Mountain Hazardous Waste Containment

Hazardous wastes such as chemicals, oil, paint, paint thinners and antifreeze are generated through routine operations at the Iron Mountain Pumping Plant. Hazardous wastes are collected and placed into either metal or plastic drums ranging in size from five to 55 gallons. The existing hazardous wastes are then stored in a fenced temporary storage area. This project will replace the existing hazardous waste storage facility with a code-compliant hazardous waste storage facility.

Seismic Upgrades of CRA Support Facilities

A recent initial seismic risk assessment has revealed that several CRA support structures may be vulnerable from a major seismic event. These support structures include office and maintenance buildings, guest lodges, and dining and recreation halls located at Hinds, Eagle Mountain, Iron Mountain and Gene Pumping Plants. This project will perform detailed seismic assessments and retrofit the support structures if necessary.

CRA - Other Project Group**Copper Basin Reservoir Discharge Valve Rehabilitation & Meter Replacement**

The Copper Basin Reservoir provides critical storage that enables flowrates along the CRA to be stabilized and controlled. If the reservoir needed to be drained rapidly in the event of an emergency, the discharge valves located at the base of the dam would be opened to safely release the water. Following 72 years of continuous service, the valves have begun to leak and need to be replaced. The dam is under the jurisdiction of the California Division of Safety of Dams (DSOD), which requires that the discharge valves be fully operational at all times. The project scope includes replacement of the fixed cone valves at the base of the dams; refurbish hydraulically operated gate valve, repair pipes, upgrade of the electrical and control systems; install cathodic protection system, replace ladders on the dam, and improve access road to safely enable construction personnel, materials, and equipment to reach the work site.

In order to determine how much water is released to downstream pumping facilities, flow out of the Copper Basin Reservoir is measured at the entrance to Whipple Mountain Tunnel. Flow meters were installed at this location to collect information that is used to adjust the flow rate through the Copper Basin Reservoir outlet gate and the flow rates at each pumping plant, and to determine the amount of chlorine injected into the CRA to control quagga mussels. The existing flow transducers and meters were installed in 2007 and must be replaced to ensure reliable CRA water deliveries. This project will replace the flow meters, transducers, and cabling in the CRA's Whipple Mountain Tunnel.

CRA Copper Basin Road Improvements

The Copper Basin road provides operational access to the facility, and notably enables critical sodium hypochlorite deliveries used to disinfect the downstream CRA facilities, preventing growth of quagga and zebra mussels. This existing access road is commonly closed for maintenance after a storm event, so sodium hypochlorite tankers are unable to make deliveries. Among other improvements, this project will improve the 4.2-mile dirt road by providing an enhanced driving surface, erosion protection, and adding turn-out areas. This is a new project for this budget cycle.

CRA Desert Region Security Improvements

CRA facilities are critical components of Metropolitan's water delivery system. These facilities include five pumping plants and the El Camino Electrical Substation. These facilities have inadequate perimeter fencing. This project will install physical security improvements such as fencing, signage, cameras, motion detectors, remote speakers, card readers, and lighting at Metropolitan's CRA pumping plants and at the El Camino Electrical Substation. This project will also include road and access control improvements at the main entrances to the pumping plants and integration of security devices with Metropolitan's security system. Construction of permanent guard stations will be also considered.

CRA Erosion Protection

The CRA is comprised of 55 miles of cut-and-cover conduits. The cut-and-cover conduits are arch or horseshoe shape, unreinforced, cast-in-place concrete. In most locations along the CRA, the overlying soil protects the cut-and-cover conduits from rock and debris flows. However, at narrow ravine crossings, heavy storm events often erode the soil and expose the conduits making them vulnerable to structural damage from the rock and debris flows. This project will provide erosion protection features such as gabion structures or concrete slabs; including grading of the eroded areas to protect the conduit. In addition, diversion berms or concrete swales will be constructed to divert storm flows over the concrete slabs.

CRA Pumping Plant Storage Buildings at Hinds, Eagle Mountain and Iron Mountain

Between 1950 and 1955, several metal-sided buildings with timber frames were built at the CRA pumping plants to store equipment, spare parts, and maintenance supplies. Two of these buildings have been replaced at the Gene Pumping Plant; however, four original buildings still remain in service. These buildings have deteriorated after 67 years of service in the harsh desert environment and no longer seal properly to prevent rain and dust from entering the interiors. This project will replace the four remaining deteriorated storage buildings and add asphalt paving leading to and around each of the buildings. As part of the design considerations, an assessment will be conducted to determine space requirements for storage of equipment and parts to support ongoing maintenance activities and upcoming capital rehabilitation work at the pumping plants.

CRA Village Water, Sewer & Asphalt Replacement

All five of Metropolitan's pumping plants are located in remote areas of Riverside and San Bernardino Counties where municipal water distribution systems are not available. Each plant is instead served by a community on-site water treatment system. Water from the CRA is treated and conveyed to each village house and to the industrial portions of the pumping plants through a gravity-fed water distribution system which consists of distribution piping, isolation valves and valve boxes. Recent inspections of the distribution systems have found blockages, leaks, taste and odor problems, and root intrusion. This project will replace the domestic water distribution systems at all five CRA pumping plants which include the main line pipes, building laterals, new backflow prevention devices, valves, meters, remote water quality analyzers, and other appurtenances to deliver quality water reliably.

Municipal wastewater collection and treatment facilities are not available where the pumping plants are located. The pumping plants are served by community on-site wastewater systems. These on-site systems collect, treat, and dispose of domestic wastewater generated from bathrooms, kitchen facilities, maintenance buildings, guest lodges, and staff residences at the plants. The on-site systems consist of three primary components: community septic tanks and leach fields; collector lines located throughout the pumping plants which convey wastewater to the septic tanks; and sewer laterals which convey wastewater from individual buildings to the collector lines. The existing wastewater systems at the plants have deteriorated through continual use and need to be replaced. This project will replace the wastewater systems at the pumping plants. The systems will include new main-line pipes, building laterals, septic tanks and leach fields, and other appurtenances to reliably collect and treat wastewater.

The asphalt roadways at the pumping plants provide access between buildings and the villages for Metropolitan staff, residents, and visitors. There is a total of approximately 30 acres of asphalt-paved roadways and surfaces at all five pumping plants, and these asphalt surfaces are over 30 years old. Due to the harsh desert conditions and deterioration of the subgrade over time, potholes and cracks have developed throughout the villages. The planned upgrades to the roadway pavement include placement of a new layer of asphalt on less distressed areas throughout the CRA villages; removal and replacement of more heavily damaged roadways; and grading and installation of culverts to improve drainage.

Gene Wash Reservoir Discharge Valve Rehabilitation

The Gene Wash Reservoir provides critical storage that enables flowrates along the CRA to be stabilized and controlled. If the reservoir needed to be drained rapidly in the event of an emergency, the discharge valves located at the base of each dam would be opened to safely release the water. Following 70 years of continuous service, the valves have begun to leak and need to be replaced. The dam is under the jurisdiction of the California Division of Safety of Dams (DSOD), which requires that the discharge valves be fully operational at all times. The project scope includes replacement of the fixed cone valves at the base of the dam; refurbish hydraulically operated gate valve, repair pipes, upgrade of the electrical and control systems; install cathodic protection system, replace ladders on the dam, and improve access road to safely enable construction personnel, materials, and equipment to reach the work site.

Intake Pumping Plant Road Improvements

The 1.75-mile long asphalt access road into the Intake Pumping Plant travels between a large hill and Lake Havasu. At approximately the midpoint of the access road, it crosses a culvert that drains storm runoff from the hillside into the lake. This culvert is undersized, has partially collapsed, and fills with debris from an unlined wash during rain events. After rain events, Metropolitan staff must clear debris from the culvert in order to prevent rain water from overtopping the culvert and eroding the access road. This project will replace the existing culvert with a new culvert and deteriorated portions of the asphalt road. The project will also add traffic safety rails along the road to enhance safety.

Cost Efficiency and Productivity Program

Fiscal Year 2022/23 Estimate: \$15.6 million

Fiscal Year 2023/24 Estimate: \$12.6 million

Program Information: The Cost Efficiency and Productivity Program is comprised of projects to upgrade, replace, or provide new facilities, software applications, or technology, which will provide economic savings that outweigh project costs through enhanced business and operating processes. Projects that address climate change in addition to providing the economic savings are also included.

Accomplishments for FY 2020/21 and FY 2021/22

- New projects initiated:
 - Diamond Valley Lake Floating Wave Attenuator Expansion
 - Incident Reporting System
 - Jensen, Skinner, and Weymouth Battery Energy Storage Systems
 - Real Property Group Business System Replacement
 - Service Procurement Implementation
 - WINS Water Billing System Upgrade
- Major milestones achieved:
 - Budget System Replacement – deployment completed
 - Diamond Valley Lake Floating Wave Attenuator Rehabilitation – construction completed
 - Incident Reporting System – deployment completed
 - MWDH2o.com Redesign – main site redesign and deployment completed
 - Project Controls and Reporting System – deployment completed

Objectives for FYs 2022/23 and 2023/24

Project	Total Project Estimate	Estimated Construction Completion	Major Milestones
Diamond Valley Lake Floating Wave Attenuator Expansion	\$ 4,300,000	2024	Complete Construction
Digital Assets Optimization	\$ 1,500,000	2023	Complete implementation
Enterprise Content Management	\$ 11,000,000	2023	Complete deployment
Jensen, Skinner, and Weymouth Battery Energy Storage Systems	\$ 15,000,000	2023	Complete construction
MWDH2o.com Redesign	\$ 1,900,000	2022	Complete deployment
Payroll-Timekeeping Reimplementation	\$ 1,500,000	2024	Begin project
Real Property Group Business System Replacement	\$ 740,000	2022	Complete deployment
WINS Water Billing System Upgrade	\$ 3,600,000	2023	Complete deployment

Cost Efficiency & Productivity - Other Project Group

Jensen, Skinner, and Weymouth Battery Energy Storage Systems

In 2020, Metropolitan completed the Energy Sustainability Plan effort to identify new projects and initiatives within the Energy Management Policies' framework. The plan combined an analysis of Metropolitan's electricity charges and a holistic multi-criteria decision analysis framework, in which potential projects were vetted against a range of future scenarios based upon historical water and power demands and time-of-use tariff updates. Through this effort, battery energy storage systems (BESS) facilities at the Jensen, Skinner, and Weymouth plants were recommended for near-term implementation.

BESS is a peak-load reduction technology, which stores energy during off-peak hours and discharges stored energy for use during peak hours. This system will be paired with existing solar facilities of which the excess solar energy will be stored for later use instead of sending this energy to the nearby off-site electrical grid. The construction of the BESS facilities will enable Metropolitan to reduce exposure to energy price volatility, electrical supply reliability, improve operational reliability and resiliency, and support Metropolitan's Climate Action Plan by reducing greenhouse gas emission. The cost of this project will be offset by incentives from the Self-Generation Incentive Program, which is administered by California Public Utilities Commission.

Weymouth Energy Management Dashboard

In 2020, Metropolitan completed the Energy Sustainability Plan (ESP) proposing an adaptive energy management strategy to: contain costs and reduce Metropolitan's exposure to energy price volatility; increase operational reliability and flexibility; move Metropolitan towards energy independence and sustainability; and support Metropolitan's Climate Action Plan effort to reduce greenhouse gas emissions (GHG). In support of that effort, this new project will develop and implement a comprehensive energy monitoring system that will bring access, awareness, and knowledge to operations staff regarding energy usage and cost of the water treatment process, promote sustainable operational decision making, and reduce energy costs at Weymouth plant and other Metropolitan facilities at the La Verne site. This is a new project for this budget cycle.

Yorba Linda Power Plant Power Supply to Diemer Water Treatment Plant

This project will modify the Yorba Linda Power Plant to directly supply power to the Diemer Water Treatment Plant and sell excess power to the wholesale energy market. The scope of work includes installation of new 4.16 kV feeder between the power plant and the Diemer switchgear, breakers, power meters; reprogramming of programmable logic controllers; and modification of switchgears and auxiliary equipment.

DVL Recreation - New/Improvements Project Group

Diamond Valley Lake East Marina Utilities

Diamond Valley Lake (DVL) offers recreational opportunities to the region including boating, fishing, hiking, and biking. The facility supports 4,500 acres of on-water activity, 28 miles of trails, and 13,500 acres of protected open space. This project will extend the existing water, sewer, gas, and communication facilities from the intersection of Searle Parkway and Angler Avenue to the DVL East Marina to support existing operations and future development. The construction of the new infrastructure will replace existing failing tanks which are filled with trucked-in water to service the Marina store, enhance utility service reliability, and serve to comply with flows and pressures required to develop the Marina into a self-sustainable recreational facility.

Diamond Valley Lake-Lake Skinner Trails

This project will create a regional network of trails connecting DVL and Lake Skinner as identified in the DVL Memorandum of Intent. The Lakeview Trail and North Hills Trail at DVL and certain trails at Lake Skinner already exist. Metropolitan jointly funded a trails study with Riverside County Regional Park and Open-Space District to investigate trail alignments connection feasibility through a Consultant agreement. The proposed trail alignments minimize impacts to the Southwestern Riverside County Multi-Species Reserve and link DVL and Lake Skinner using existing roads to the greatest extent possible. Trail uses under consideration include hiking, bicycling, and horseback riding.

DVL Recreation - Refurbishment & Replacement Project Group**Diamond Valley Lake Boat Dock Anchoring System Replacement**

The boat dock anchoring system at the Diamond Valley Lake (DVL) marina is over 15 years old and past its service life. Recently, one cable failed and other cables are deteriorating rapidly. The anchor cables run from the top of the boat launch ramp, through the floating boat docks, and terminate at the anchor blocks on the lake floor to secure and stabilize the marina docks for individuals boarding and disembarking vessels. Some of the cables were replaced in 2015 due to the need to extend the boat launch ramps but the remaining system components such as the anchor blocks were not addressed. This project will redesign and replace the DVL marina boat dock anchoring system consisting of galvanized steel cables, associated connectors, anchor blocks, and associated dock components to ensure the continued operation of the boat launching facilities at the marina. This is a new project for this budget cycle.

Diamond Valley Lake Domestic Water System Improvements

Potable water used in the Diamond Valley Lake (DVL) facility is conveyed through a 16-inch water pipeline, sized to meet fire system demand. This configuration is oversized for domestic water usage and often results in low chlorine residual levels that requires regular flushing of the system. A volume of approximately 700,000 gallons of potable water is flushed into the DVL Forebay each month to ensure adequate disinfectant is available to inactivate pathogens and prevent recontamination. This project will install approximately 2,500 linear feet of 4-inch domestic water pipe to convey potable water to the DVL facility to address the ongoing low chlorine residual caused by high detention time in the existing larger diameter potable water line that currently serves the facility. This is a new project for this budget cycle.

Diamond Valley Lake Floating Restroom Replacement

The floating sanitation facilities at Diamond Valley Lake (DVL) are 18 years old and are at the end of their service life. Restroom equipment requires constant maintenance, particularly because failure of the holding tanks could lead to sewage leaking into the reservoir. New facilities would eliminate these concerns. This project is also needed for Metropolitan to continue to provide operable floating restroom facilities to recreational boaters in accordance with the Recreation Activity Plan approved by the Department of Drinking Water. This is a new project for this budget cycle.

Diamond Valley Lake Floating Wave Attenuator

The existing floating wave attenuator (FWA) has been operational since 2006 as part of a two-phase approach. Phase 1 was completed by installing one 800-foot FWA. Phase 2 was to provide an additional attenuation system but was not implemented. Water levels at Diamond Valley Lake have fluctuated with severity and frequency for the last several years due to draw-down activities during drought conditions, then rebounding during the rainy seasons. Due to age and changing conditions, the concrete sections of the FWA have significantly degraded and the reinforcing bars are exposed to the elements which have accelerated corrosion of the existing FWA system. The original FWA has been refurbished to original condition in Spring of 2021. This project will construct additional attenuation system.

IT - Business Support Project Group

Digital Asset Optimization

The Digital Asset Optimization project will remove redundant, obsolete and trivial (ROT) information from files on Metropolitan's network files shares (NFS). This work is being performed to allow for more effective and efficient searching and collection of information as it pertains to public requests, legal holds and other Metropolitan needs for information. Additionally, the data will be categorized, and metadata captured for easier retrieval capabilities.

Enterprise Content Management

The Enterprise Content Management (ECM) application will classify and manage electronic documents and other media to allow for easy retrieval, review, and destruction of information in accordance with Metropolitan's records retention schedule. In addition, the new ECM application will allow Metropolitan to more effectively and efficiently manage its digital asset needs for business needs to respond to requests under the California Public Records Act (CPRA), and for eDiscovery purposes, and will automate compliance with records retention policies. This project includes designing a taxonomy for storing unstructured data and the development of a thesaurus to support the implementation of Metropolitan's ECM application. Phase I has been initiated. Phase II of this project completes the design and delivers the initial deployment of the enterprise content management software into the Metropolitan environment. The system will allow for the organization, collaborations and automated enforcement of records retentions policies to non-structured electronic media. The final phase III will deliver the balance of the deployment of the enterprise content management software throughout Metropolitan.

HR Information System Improvements

With the future of Metropolitan's hybrid working environment (telecommute & onsite) initiatives, improved self-services are needed that require less printing, secured electronic transactions, and allowing proper approvals from managers, while working remotely. This project will enhance the current Human Resource (HR) interface with mobile interface capabilities, enhance the Manager Self-Service Module; and implement a new Performance Management Module. This system will provide employees and managers the tools and technology to improve business operations, promote collaboration, and enhance workforce productivity by simplifying access to HR information. This is a new project for this budget cycle.

MWD Intranet Upgrade

The Intranet is a restricted and internal network that enables Metropolitan employees to store, share, and organize information. Initially developed in 1997, the Intranet is built on technologies which have become obsolete. This project will replace Metropolitan's Intranet with newer technologies to serve as a central hub that performs a broad range of purposes which the current Intranet site is not able to. This includes cloud-based file sharing, document management, content management, inclusion of social technology, employee profiles, live messaging, forums, status updates, and Group sites coupled with published data catalogs to allow data sharing which is accessible from any type of device such as laptop, tablets, and mobile phones. This is a new project for this budget cycle.

MWDH2o.com Redesign

The existing website will be replaced with a new site offering more functionality and capability to spread Metropolitan's mission of providing water to Southern California.

MyWarehouse Shopping Cart Replacement Project

Staff currently uses an outdated system for checking availability and acquisition of Metropolitan owned inventory items that lacks an easy-to-use interface and integration with financial systems. The proposed innovative system will provide staff with a fully integrated, “Amazon-like” user experience to improve efficiency of field, warehouse, and financial staff in checking the inventory in real-time, advance ordering of items in low inventory, and by allowing mobile device capability. This is a new project for this budget cycle.

Oracle Database Upgrade

Metropolitan currently owns over 50 Oracle databases containing critical systems that will no longer be supported after December 2022. Any database affected by a performance or security issue would have to be removed from the production environment, rendering the associated application inoperable. This project will upgrade all the associated Oracle databases and update or reconfigure the connection points of all affected applications. This is a new project for this budget cycle.

Oracle EBusiness Suite Upgrade

Metropolitan’s Oracle e-Business Suite (EBS) is an integrated set of business applications for automating Metropolitan’s financials, procurement, project management, and grants management activities. Metropolitan’s e-Business Suite was last upgraded in 2016 and since then, the technology has been superseded by newer hardware, operating systems, and Oracle database versions. This project will upgrade soon-to-be unsupported, end-of-life EBS to the newer version with more functionality and capabilities. This is a new project for this budget cycle.

Payroll-Timekeeping Reimplementation

This project will re-implement PeopleSoft payroll and will replace the current timekeeping software with a package that provides better integration with the payroll software and a better user interface. The current payroll and timekeeping applications both have deficiencies that have caused significant compensation issues for employees and have resulted in the need for excessive manual corrections by payroll staff. This project will enhance workforce productivity by simplifying access to business information and will maintain sound business practices and fiscal integrity.

Real Property Group Business System Replacement

This project will select and implement a new cloud-based solution for the Real Property Group (RPG). The new solution will replace existing software to streamline planning, tracking, execution, and compliance management of Real Property business processes for both the Planning and Acquisition, and Land Management Unit(s). RPG’s goal is to centralize the disparate, stand-alone applications and processes, and migrate existing data into one integrated system to increase productivity and improve business processes.

Services Procurement Implementation

In the current Oracle Business Suite (EBS), it is difficult to automate and record certain transactions such as retention payments, Stop Notices, and Liquidated Damages. These transactions are tracked separately by Finance and Engineering. The Oracle on-premise Service Procurement Module is part of the Oracle E-Business Suite. The module automates retention transactions at the time of payment, and can, through customization, accommodate the need to hold other payments as liabilities in the General Ledger (GL).

This project will implement the Oracle Service Procurement Module, as part of the Oracle E-Business Suite, to automate retention or other withholdings required as liabilities in the GL.

Supplier Portal Implementation

This project will implement Oracle's web-based Supplier Portal, which provides self-service capabilities to Metropolitan's supplier community. Suppliers have access to a secure area that provides complete visibility to transactions, including purchase orders, payments and planned payments, offers collaboration with Metropolitan staff, and allows the electronic submission of invoices and other documents. The implementation of the portal will reduce repetitive inquiries from vendors, saving staff time and reducing vendor frustration.

Water Planning Application Upgrade

Water planning staff makes decisions every day that affect storage, cost, and movement of water within our system. The current software tool used is inefficient and obsolete, which was initially launched more than 20 years ago and last partially updated in 2008. This project will replace the existing water planning application with a new cloud-based application, which will build a foundation needed for innovative solutions addressing water supply and operational challenges. The new application will also be able to automate the process of gathering, categorizing, cleaning, validating, and reporting of critical data used by planners and meet today's cyber security standards. This is a new project for this budget cycle.

WINS Water Billing System Upgrade

The Water Information System (WINS) bills Metropolitan's member agencies, on a monthly basis, for approximately \$75 million. WINS is known as Metropolitan's "cash register". The custom application is over 10 years old and needs to be updated. The billing logic is complicated and "hard-coded" into the application, requiring assistance from Metropolitan's Information Technology to make even minor modifications, such as adding new meters or programs. Member agencies have also requested additional functionality. This project will replace the WINS to add needed enhancements to the system to add security and functionality for both Metropolitan and member agencies.

Incident Reporting System

This project delivers a replacement for the 17+ year-old Incident Reporting System. This system reports and tracks incidents that occur on Metropolitan property. Incidents include safety, security, environmental, and workers compensation related events.

Dams and Reservoirs Improvements Program

Fiscal Year 2022/23 Estimate: \$5.3 million

Fiscal Year 2023/24 Estimate: \$44.7 million

Program Information: The Dams & Reservoirs Improvements Program is comprised of projects to upgrade or refurbish Metropolitan's dams, reservoirs, and appurtenant facilities in order to reliably meet water storage needs and regulatory compliance.

Accomplishments for FY 2020/21 and FY 2021/22

- New projects initiated:
 - Live Oak Reservoir Rehabilitation
 - Live Oak Reservoir Emergency Dewatering System Upgrade
 - Weymouth Finished Water Reservoir Rehabilitation
- Major milestones achieved:
 - Lake Skinner Butterfly Valve Replacement – preliminary field investigations completed
 - Mills Finisher Water Reservoir Rehabilitation – preliminary design completed

Objectives for FYs 2022/23 and 2023/24

Project	Total Project Estimate	Estimated Construction Completion	Major Milestones
Diamond Valley Lake Dam Monitoring System Upgrades	\$ 10,000,000	2025	Begin construction
Jensen FWR # 2 Floating Cover Replacement	\$ 8,600,000	2025	Complete design
Mills Finished Water Reservoir Rehabilitation	\$ 17,000,000	2026	Complete design
Lake Skinner Outlet Tower Seismic Upgrade	\$ 170,000,000	2022	Begin design
Live Oak Reservoir Rehabilitation	\$ 9,300,000	2026	Begin construction

Dams & Reservoirs - All Project Group

Dam Monitoring System Upgrades at Lake Mathews and Lake Skinner

Metropolitan relies on extensive instrumentation and regular inspections as a cornerstone of its dam monitoring program. The instrumentation provides warning signs of dam distress and provides real-time monitoring of the embankments and foundations. Extensive monitoring equipment has been installed at Lake Skinner and Lake Mathews over the last 46 years and 81 years, respectively. Recent inspections have noted that several of the piezometers and weirs at these facilities no longer function reliably and require rehabilitation or replacement.

Field surveys and condition assessments will be conducted at both dams to develop a staged replacement schedule. Based on the results of the assessments, installation of automated dam monitoring systems and upgraded communications system with remote monitoring units at each dam may be required. This project will also rehabilitate embankment surfaces to address erosion and surface drainage issues.

Diamond Valley Lake Dam Monitoring System Upgrades

The three rock-fill dams which form Diamond Valley Lake (DVL) are monitored continuously by the facility's geodetic deformation monitoring system, which transmits real-time displacement data to Metropolitan's Headquarters at Union Station and to the Operations Control Center at Eagle Rock. This data is collected to provide early indication of a potential problem within the dam embankments or foundations, and to prepare mandatory reports on the dams' performance for submission to DSOD. After 19 years of continuous operation, the existing monitoring equipment has deteriorated and needs to be replaced. The planned upgrades will maintain the capability to continuously monitor dam performance in compliance with the DSOD operating permit.

Upgrades to the dam monitoring network at DVL will be accomplished in three stages. Stage 1- procurement and installation of the weir level sensors and strong motion accelerographs; Stage 2 - design and preparation of procurement documents for the geodetic deformation monitoring system; and Stage 3 - design and procurement of automated data acquisition system, upgrades to the communication network, and replace remote monitoring units and ancillary equipment. Stages 1 and 2 have been completed. Stage 3 will be accomplished in two phases. Phase 1 will upgrade the West Dam area and Phase 2 will upgrade the East Dam and Saddle Dam areas.

Diemer FWR Slope Protection Improvements

The California Division of Safety of Dams' annual inspection of the Diemer Finished Water Reservoir (FWR) noted that the existing dense vegetation on the abutting slope was obscuring dam safety inspections and providing shelter for burrowing rodents. This project will remove the existing 2.5-acre dense vegetative ground cover on the embankment slopes of the Diemer FWR and rehabilitate the embankment surface with a new slope protection system that minimizes surface erosion, prevents rodent burrowing, and maintains the stability and integrity of the reservoir embankment slopes. This is a new project for this budget cycle.

Etiwanda Reservoir Rehabilitation

The Etiwanda Reservoir has been in operation for 28 years. The liner and appurtenances are in need of refurbishing to maintain their integrity and prevent excessive seepage as noted during periodic inspections. This project will rehabilitate the reservoir by replacing the reservoir liner with a geomembrane liner, replacing the sub-drain sump pump system, and installing new electronic monitoring instrumentation and equipment to better monitor operational status of the sump pump system. The project scope will also include inspection, evaluation, and rehabilitation or replacement of: (1) the asphalt pavement for the reservoir perimeter roads and parking lot; and (2) various valves and gates.

Garvey Reservoir Rehabilitation

Garvey Reservoir was placed into operation in 1954. It is located at the junction of the Middle Feeder and the Garvey-Ascot Cross Feeder in the city of Monterey Park. Garvey Reservoir provides hydraulic grade stabilization, pressure relief, and operational and emergency storage for the Central Pool portion of the distribution system. A flexible membrane liner and reservoir floating cover were installed in 1999. The service life of a reservoir floating cover is approximately 20 years. The existing floating cover at Garvey Reservoir has become increasingly difficult to repair and needs replacement.

This project will replace the reservoir's aging floating cover and flexible membrane liner. In addition, this project will remove the existing inlet/outlet tower and construct new inlet/outlet facilities; modify circulation piping; replace the standby generator and upgrade the electrical system; replace/repair perimeter and security fences; improve surface drainage and erosion controls; replace the outdated on-site water quality laboratory building; install additional sodium hypochlorite storage tank plus containment and appurtenances; replace valves at the junction structure; construct on-site storage building for equipment and tools; and other improvements necessary to rehabilitate the reservoir and support facilities.

Gene Wash and Copper Basin Dams Safety Monitoring Improvements

The Copper Basin and Gene Wash Dams are in a very remote area with difficult access requiring four-wheel drive vehicles and boats. Both dams are visually inspected twice per year by Engineering Services including the annual inspection by the California Division of Safety of Dams (DSOD). This project will improve the safety monitoring system at the Gene Wash and Copper Basin dams to maintain compliance with DSOD regulations and Metropolitan's ability to detect dam safety issues in a timely manner. The project scope includes installation and implementation of a modern dam monitoring system that utilizes automatic data acquisition system (ADAS) for continuous monitoring. This project also will perform dam concrete condition assessments, geological evaluations of dam abutments, inspection, survey, and stability analysis. This is a new project for this budget cycle.

Jensen Finished Water Reservoirs Refurbishment

The Jensen plant has two 50-MG finished water reservoirs. Reservoir No. 1 is a concrete structure with a concrete roof that was completed in 1972. The concrete roof of Reservoir No. 1 has a bituminous built-up roofing system and lightweight concrete cap made of perlite. Portions of the perlite cap have deteriorated over time due to weathering. Any further deterioration may result in ponded rainwater leaking into the reservoir, leading to the reservoir being removed from service in order to maintain treated water quality. The rehabilitation work will replace the damaged perlite with a thin concrete layer, which will extend the cover life for approximately 20 years. This project will also install bollards with daisy chain around the reservoir to prevent vehicles from entering the top of the reservoir and other improvements necessary to complete the refurbishment of the reservoir.

Reservoir No. 2 has a polypropylene floating cover that was installed in 1997. The floating cover at Reservoir No. 2 is showing significant signs of wear and needs to be replaced. In addition, modifications to the Reservoir No. 2 inlet are needed, as turbulent flow at the inlet has torn holes in the floating cover on several occasions near the corners of the fixed metal air vents. The rehabilitation work will include installation of a new finished water reservoir liner and floating cover with a rainwater removal system, improvement of the existing inlet configuration, modification of plant domestic water system connection, refurbishment of the effluent gate and dewatering system, replacement of instruments and flow meters, installation of diffuser system to enhance mixing, replace perimeter fence, and other improvements necessary to complete the refurbishment of the reservoir.

Within both reservoirs, inadequate mixing contributes to chloramine decay, which in turn increases the nitrite levels within the reservoirs and downstream distribution system. In accordance with the Water Quality Action Response Guidelines, elevated nitrite levels will require additional monitoring, as they may result in bacterial regrowth, and may require operational changes to mitigate chlorine decay. This project will conduct a study of the mixing characteristics of Reservoirs Nos. 1 and 2 and will test and implement solutions for mixing improvements to enhance mixing and reduce the occurrence of nitrification within the reservoirs.

Lake Mathews Reservoir Dredging and Emergency Dewatering Facilities Lake Skinner Outlet Tower

Sediment has accumulated in the reservoir since it was first built and filled in 1938. Sediment is a result of continual erosion within the Lake Mathews watershed and has led to increased turbidity at water treatment plants, reservoir storage loss, and plugged the main dam diversion tunnel into Cajalco Creek. In addition, the California Department of Water Resources, Division of Safety of Dams (DSOD), has specific outlet dewatering requirements for large dams/reservoirs that impound over 5,000 acre-feet of water. Although the current dewatering method at the forebay meets DSOD's requirement, there is a possibility that the Upper Feeder and Lower Feeder that take water from the forebay may be damaged and become unusable during a seismic event. It is now recommended to reestablish access to the diversion tunnel at the bottom of the main dam by dredging. This project will evaluate dredging options for Lake Mathews Reservoir. Dredging will remove decades of accumulated sediment that reduces reservoir storage capacity, contributes to decreased water quality, and blocks access to dewatering infrastructure at both Outlet Tower No. 1 and the main dam diversion tunnel. The evaluation will identify and prioritize dredging locations through bathymetric surveys and other remote methods, as well as identify mitigation options for the environmental hazards of dredging. The project will also determine the condition of the main dam diversion tunnel and all its mechanical equipment and perform a comprehensive refurbishment to restore its full function.

Lake Skinner Outlet Tower Butterfly Valve Replacement

The Lake Skinner Outlet Tower is a critical component of the Skinner plant and distribution system operations and is equipped with five tiers of submerged butterfly valves. The valves have been in operation for 45 years and are approaching the end of their service lives. Replacement parts are not available and must be custom fabricated. This project will replace or rehabilitate all the butterfly valves at the Lake Skinner Outlet Tower. Although there is a plan to potentially add a new outlet tower to Lake Skinner, improving the condition of the existing outlet tower valves will allow for operational flexibility and maintain operational reliability at the lake. This is a new project for this budget cycle.

Lake Skinner Outlet Tower Seismic Upgrade

Lake Skinner was constructed in the 1970s and is located in the city of Temecula, in Riverside County. Water is delivered from the lake through its outlet tower to the Skinner Water Treatment Plant. If the lake needed to be drained rapidly in the event of an emergency, the outlet tower would be used to safely release the water. The outlet tower is under the jurisdiction of the California Division of Safety of Dams (DSOD) which requires that the tower meet current seismic codes.

Metropolitan has an ongoing program to evaluate the seismic stability of its facilities in order to maintain reliable water deliveries and to meet current design practices and building codes. Under Metropolitan's seismic assessment program, staff conducted an initial assessment of the Lake Skinner Outlet tower. Seismic analyses of the Lake Skinner Outlet Tower have identified that the tower may be damaged during a major earthquake. This project will (1) replace two valves located at tier 5 of the outlet tower, which are currently not operational, (2) develop an emergency dewatering plan for DSOD's review and approval; and (3) conduct detail seismic evaluation of the tower, develop options to mitigate impacts to the tower, and to implement a preferred option to mitigate the seismic impact to the inlet/outlet operation.

Live Oak Reservoir Rehabilitation

The Live Oak Reservoir has a 2,500-acre-foot capacity and is located in the city of La Verne. The main purpose of the reservoir is to allow peaking of the Devil Canyon Power Plant and to provide for outages. The reservoir water surface controls the upstream hydraulic gradient for the San Dimas Hydroelectric Power Plant. An inspection identified the following: (1) several valves that are leaking; (2) the reservoir liner is damaged in several areas; (3) the emergency backup generator is no longer manufactured and parts are obsolete; (4) the existing HVAC system including the ductwork for the control room has exceeded its expected service life; (5) improvements to provide access control, intrusion alarm, and surveillance are needed; and (6) improvements to the grading, surface drainage, and paved roads adjacent to the Live Oak Reservoir are also needed. This project will replace leaking valves, reline the influent manifold with reinforced mortar, rehabilitate the fire loop, rehabilitate the existing asphalt concrete (AC) liner and install liner subdrainage system as necessary, replace the existing Emergency Standby Generator and hydraulic power pack unit, replace the existing Heating, Ventilation, and Air Conditioning (HVAC) system, improve surface drainage and erosion controls for the facility, identify and restore all electrical components to new condition or replace with new, including electrical, panel boards and grounding, sump pumps, and associated instrumentation, replace instruments in piezometer room, conduct a security assessment of the facility to reinforce or upgrade physical features and protect infrastructure, which includes replacement of the inner fencing for the reservoir with security type fencing, and other improvements necessary to rehabilitate the reservoir and support facilities.

This project will also improve the emergency dewatering system for Live Oak Reservoir. The project scope will include the design and construction of appurtenant structures such as gantry cranes for lifting spillway drop gates, an emergency generator to back up the crane power source, automation of valves, modification of spillway and blow-off structures, or addition of secondary discharge lines to provide a more direct, reliable, and efficient means to dewater Live Oak Reservoir in the event of an emergency.

Mills Finished Water Reservoir Rehabilitation

The Mills plant relies on two finished water reservoirs with floating covers and geomembrane liners to provide storage for the downstream distribution system. Their capacity is approximately 25 million gallons (MG) each. The Hypalon cover on Reservoir No. 1 was installed in 1997, while the polypropylene cover on Reservoir No. 2 was installed in 1996. Over the past five years, an increasing number of rips and pinhole leaks in the covers were discovered and repaired. Due to their deterioration, the floating covers and geomembrane liners at both reservoirs need to be replaced. The rehabilitation work will include installation of new finished water reservoir liners and floating covers with a rain removal system, refurbishment or replacement of existing reservoir gates, installation of a new drop gate, replacement of instruments and flow meters, evaluation of reservoir mixing and implementation of mixing improvements, installation of enhanced security features and rehabilitation of perimeter fences, and other appurtenances for both reservoirs.

Palos Verdes Reservoir Groundwater Management

This project will address long-term groundwater management at the Palos Verdes Reservoir. The project will evaluate monitoring and disposal options for groundwater seepage, install monitoring instrumentation, develop groundwater and stormwater handling systems, if needed, and provide a connection to the sewer.

Spillway Upgrades - Lake Mathews and Lake Skinner

Following the incidents at Oroville Dam in 2017, the California Division of Safety of Dams (DSOD) is now requiring that dam owners in California assess the condition of dam spillways to confirm that they meet minimum safety standards. In July 2017, DSOD issued an initial list of 93 dams requiring comprehensive spillway assessments to evaluate hydraulic capacity, geotechnical stability, structural integrity, and potential erosion from dam releases. Of the 20 Metropolitan facilities that are permitted by DSOD, two have been directed to undergo the comprehensive assessments: Lake Mathews and Lake Skinner.

Metropolitan submitted the required work plans for re-evaluation of the spillways at Lake Mathews and Lake Skinner and received approval of those plans in September 2017. For each dam, a comprehensive spillway assessment report was prepared and submitted to DSOD for review. As part of these comprehensive assessments, re-evaluation of the outlet tower and conduit at Lake Skinner were performed to identify potential risks and vulnerabilities of lowering the reservoir pool after a major seismic event. Due to its integral role in withdrawing water from the reservoir, the spillway work plan will be expanded to include the Lake Skinner outlet tower and conduit. Based on the input from DSOD, the dam spillway and underdrain system will be rehabilitated.

Weymouth Finished Water Reservoir Rehabilitation

The Weymouth plant's 50-million-gallon finished water reservoir was built in 1964 to meet then-current building code. Because the finished water reservoir's concrete roof was constructed with no expansion joints, numerous cracks in the roof slab continue to open and close with the expansion/contraction cycles caused by daily fluctuation in temperature. Repair is required to protect the concrete and to prevent corrosion of the exposed reinforcing steel. In addition, a rapid seismic assessment conducted in 2000, indicated that the reservoir was marginally stable under seismic loading conditions of that time. Since then, seismic evaluations for the Weymouth facilities and revised building codes have indicated that greater ground motions should be considered.

This project will repair cracked and spalling concrete on the underside of the finished water reservoir roof slab, support beam connections, and entry staircase. The project will also perform seismic evaluation and any needed seismic retrofit to meet the latest DSOD standards.

Distribution System Reliability Program

Fiscal Year 2022/23 Estimate: \$51.2 million

Fiscal Year 2023/24 Estimate: \$12.8 million

Program Information: *The Distribution System Reliability Program is comprised of projects to replace or refurbish existing facilities within Metropolitan's distribution system, including reservoirs, pressure control structures, hydroelectric power plants, and pipelines, in order to reliably meet water demands.*

Accomplishments for FY 2020/21 and FY 2021/22

- New projects initiated:
 - 108th Street Pressure Control Structure Valve Replacement
 - Appian Way Valve Replacement
 - Etiwanda Pipeline Lining Replacement – Stage 3
 - Garvey Reservoir Drainage & Erosion Control Improvements – Areas 6, 7, 8, 10 and 11
 - OC-88 Pumping Plant Chiller Replacement
 - Palos Verdes Feeder - Long Beach Lateral Turnout Structure Sta. 1442+15 Valve Replacements
 - Rehabilitation of Metallic and Concrete Pipelines Phase 1 - Select High Priority Feeders
 - Rio Hondo Pressure Control Structure Valve Replacements
 - Rialto Pipeline Rehabilitation at Station 2986
 - San Diego Pipelines 1 and 2/Rainbow Tunnel Improvements
 - San Diego Pipelines 3 & 5 Vacuum Valve Replacement
 - Upper Feeder Blow Off Structure Replacement
 - Washington Street Pressure Control Structure Valve Replacement & Security Upgrades
 - West Valley Feeder No. 1 - Access Road & Valve Structure Improvements
- Major milestones achieved:
 - Construction completed:
 - East Orange County Feeder No. 2 Service Connection A-6 Rehabilitation
 - Electrical Upgrades at 15 Structures in Orange County Region
 - Lake Perris Bypass Pipeline Relining
 - Lakeview Pipeline Improvements
 - Orange County C&D Team Support Facility
 - Orange County Feeder Cathodic Protection
 - West Valley Feeder No. 1 – De Soto Valve Structure Improvement

- Completed design:
 - Casa Loma Siphon Barrel No. 1 Seismic Retrofit
 - Etiwanda Pipeline Lining Replacement – Stage 3
 - Orange County Feeder Relining – Stage 3
 - Sepulveda Feeder/East Valley Feeder Interconnection Electrical Upgrades
 - Santa Monica Feeder Cathodic Protection

Objectives for FYs 2022/23 and 2023/24

Project	Total Project Estimate	Estimated Construction Completion	Major Milestones
Casa Loma Siphon Barrel No. 1 Seismic Retrofit	\$ 50,000,000	2023	Complete construction
Etiwanda Pipeline Lining Replacement	\$ 24,000,000	2023	Begin construction
Garvey Reservoir Drainage & Erosion Control Improvements - Zones 6, 7, 8, 10 & 11	\$ 2,100,000	2022	Complete construction
Garvey Reservoir Sodium Hypochlorite Feed System Upgrades	\$ 9,000,000	2022	Complete construction
Lake Mathews Forebay Pressure Control Structure and Bypass	\$ 110,000,000	2026	Begin design
Orange County Feeder Lining Repair - Reach 3	\$ 14,000,000	2023	Begin construction
Rialto Pipeline Rehabilitation at Station 2986	\$ 3,000,000	2024	Begin construction
San Gabriel Tower and Spillway Improvements	\$ 17,000,000	2026	Complete design
West Valley Feeder No. 1 - Access Road and Valve Structure Improvements	\$ 4,600,000	2024	Begin construction

PCSs/HEPs/Service Connections/Valves & Gates Project Group

108th Street Pressure Control Structure Valve Replacement

The 108th Street Pressure Control Structure (PCS) located on the Palos Verdes Feeder was constructed in 1941. The pipeline has a design capacity of 80 CFS in this area and provides the flexibility to deliver water through the Inglewood Lateral and Culver City Feeders to member agencies, including the city of Los Angeles, Central Basin Municipal Water District, and West Basin Municipal Water District. This project will rehabilitate the control structure including replacing valves, a corroded ladder, and catwalk grating; restoring electrical components to new condition; installing an emergency backup generator and security features; and refurbishing or replacing other appurtenances. Electrical components consist of electrical panel boards and grounding, sump pumps, and associated instrumentation.

Appian Way Valve Replacement

The Appian Way Sectionalizing Valve Structure on the Palos Verdes Feeder was constructed in 1937. The pipeline has a design capacity of 60 CFS in this area and delivers water to Metropolitan's member agencies, Central Basin Municipal Water District, and the city of Los Angeles. The sectionalizing valve provides Metropolitan the flexibility to isolate flows on the Palos Verdes Feeder between the Long Beach Lateral Turnout Structure and Appian Way Sectionalizing Valve Structure to perform preventive maintenance, planned shutdowns, and emergency activities if required. This operational reliability allows for continued delivery of water to Metropolitan's central pool. The failing sectionalizing valve is 82 years old. Over the past few years, the 24-inch valve has been rebuilt several times to extend its service life. This valve can no longer be rebuilt and has become extremely difficult to operate as it gets stuck and does not fully open or close. The body and cone have eroded, which prevents the valve from properly sealing. This project will replace failing valves, dresser couplings, corroded pipe spools, and install a new precast concrete roof slab at the Appian Way Sectionalizing Valve Structure. Additionally, the project would identify and restore all electrical components add 240-volt electrical service, provide for SCADA control of the valves, and refurbishment or replacement of other appurtenances. Electrical components include electrical panel boards and grounding system, sump pumps, and associated instrumentation.

Conveyance and Distribution System Electrical Structures Rehabilitation

Metropolitan's distribution system includes over 1,000 structures which house equipment used to measure pipeline flow, control pipeline flow and/or pressure, relieve pressure or vacuum, and isolate or sectionalize a pipeline. The conduits and electrical equipment inside the structures have corroded and no longer provide adequate grounding. In addition, the wiring inside the conduits may be compromised. These electrical components have been in continuous service in a damp, underground environment for over 50 years, and need to be upgraded. The rehabilitation for the Conveyance and Distribution System Electrical Structures has been prioritized and will be completed in five stages. Upgrades of the first 15 highest priority service connection structures within Orange County have been completed as Stage 1. Stage 2 improvements will upgrade the remaining 244 structures within Orange County. Stage 3 improvements will upgrade 258 structures in northern Los Angeles County. Stage 4 improvements will upgrade 258 structures in southern Los Angeles County. Stage 5 improvements will upgrade 301 structures in Riverside, San Diego, and San Bernardino Counties. The precise number of structures to be improved may vary depending on condition assessments. The planned work includes identification and restoration of all electrical components to new conditions including service panels, conduits, wiring lights, and receptacles; and providing new grounding systems, sump pumps, exhaust fans, remotely monitored flood alarms at each structure, and other appurtenances.

Conveyance and Distribution System Hydraulic Pilot Valve Standardization

There are approximately 265 pilot valves within the conveyance and distribution system, located at pressure relief or pressure control structures. A pilot valve works together with a control or relief globe valve to set pressures within the distribution system. Currently, several different types of valve and superstructure assemblies exist throughout the system and as they age, lack of a common design makes replacement difficult. This project will develop, fabricate, and install a standardized hydraulic control/relief pilot valve and superstructure at pressure control structures District-wide across the conveyance and distribution system. Utilizing a standardized valve and superstructure assembly will increase productivity and reliability. This is a new project for this budget cycle.

Covina Pressure Control Structure Rehabilitation

The Covina Pressure Control Structure (PCS) controls flow in the Middle Feeder North and multiple service connections. It has recently experienced numerous valve failures and pin-hole leaks. This project will replace valves, pipes, and control and electrical systems; rehabilitate the restroom and structural components; install security features and other work necessary to restore reliability of the pressure control structure. This is a new project for this budget cycle.

Coyote Creek Hydroelectric Plant/PCS Emergency Standby Generator Replacement

The existing emergency stand-by generator was installed when the Hydroelectric Plant/Pressure Control Structure (HEP/PCS) was constructed in 1982. The emergency generator is 39 years old and has deteriorated with age. This project will replace the existing emergency generator with a new 150 kW, 3-phase 480-volt, diesel engine driven generator and construct an additional manual transfer switch outside the stationary generator room to provide for a secondary portable generator hookup. This project will also upgrade electrical and mechanical system to the generator building to meet current emission and fire code regulations under the Environmental Protection Agency's Tier 3 Emission and Fuel Standards Program.

Dominguez Channel Pressure Relief Structure Improvements

The Dominguez Channel Pressure Relief Structure is located on the Palos Verdes Feeder near the Harbor Freeway and Hoover Street at the Dominguez Channel Crossing. Recent inspections have found leaking valves, inoperable needle valves, failed electrical services, and failed communication cables. This project will replace valves, modify piping and concrete, and construct new underground electrical and communication service as necessary to restore reliability of the relief structure. This is a new project for this budget cycle.

DVL Secondary Inlet Sleeve Valve Refurbishment

Diamond Valley Lake (DVL) is used for operational and dry-year, and emergency storage. The existing sleeve valve at the DVL Secondary Inlet is corroding, which will eventually make the valve inoperable. This is the only control valve for the secondary inlet, which is used to refill DVL. This project will remove, refurbish, and replace the existing sleeve valve; recoat existing appurtenant piping; and replace associated couplings. This is a new project for this budget cycle.

Eagle Rock Tower Distribution System Upgrades

Eagle Rock Tower diverts the flow of water from the Weymouth plant into the Palos Verdes Feeder, Santa Monica Feeder, and the Eagle Rock Lateral. The tower is also used to maintain the required hydraulic grade to the service connections upstream of the tower. This project will perform needed rehabilitation of various components of the Eagle Rock Tower distribution system. The project will include the following: (1) replace the leaking control and isolation valves at the interconnections to the Palos Verdes and Santa Monica Feeders, (2) replace corroded slide gate, and tower access ladder and cover, (3) repair slide gate rails and associated components, (4) fabricate and install new drop gate at inlet side of Eagle Rock Tower to improve isolation capability, (5) extend Santa Monica Feeder interconnection blow-off structure and install isolation valves to improve maintenance flexibility, (6) construct new access road from main access road to the Palos Verdes and Eagle Rock Interconnection Structure to facilitate safe access to the structure, (7) replace corroded work platforms and ladders in interconnection structures to improve worker safety, and (8) refurbishment and upgrades of other appurtenances as they are identified during the facility assessments.

East Orange County Feeder No. 2 Service Connection OC-44A Valve Replacement

The East Orange County Feeder #2 is a 25-mile-long pipeline which delivers treated water from the Diemer plant to the cities of Anaheim, Orange, Santa Ana, and Irvine. Service Connection OC-44A, which is located in Newport Beach, was constructed in 1967 and delivers water to the Municipal Water District of Orange County. Gradual corrosion and wear from over 52 years of operation has led to the deterioration of the 16-inch plug valve. The valve is currently leaking and needs to be replaced. The plug valve shaft was installed in the horizontal position to allow placement of the valve within the vault. This unconventional position may have accelerated the deterioration of the valve. This project will replace a 16-inch-diameter plug valve, flowmeter, and appurtenant piping and equipment as required in the Service Connection OC-44A Structure. This project will also identify and restore all electrical components to new condition. Electrical components consist of electrical panel boards and grounding system, sump pump, and associated instrumentation.

Flow Meter Replacement Project

Metropolitan has over 500 flowmeters used for water revenue metering at service connections, operation of the conveyance and distributions, and for process control. Many flowmeters have been in operation over 50 years. Some of these meters are exhibiting signs of deterioration. Spare parts for older meters are increasingly difficult to procure.

This project will be conducted in three stages. Under Stage 1, a comprehensive evaluation of the flowmeters will be conducted to assess their current condition and availability of spare parts. Under Stage 2, deteriorating meters in critical services will be replaced. Under Stage 3, a comprehensive, risk-based approach will be implemented to replace the remaining flow meters.

Foothill Feeder PCS Valve Replacement

Foothill Pressure Control Facility (PCF) is located at Castaic Lake Dam in northern Los Angeles County. The structure takes untreated water from the west branch of the State Water Project system and controls all untreated water flows into the Jensen plant. Foothill PCS consists of two turbines, two 60-inch inline sleeve valves, and three parallel trains of conical plug valves. Each plug valve train consists of three 48-inch conical plug valves in series, that are throttled to dissipate pressure. Although the conical plug valves are currently used to control flow, these types of valves are not well-suited for this application. In addition, recent valve inspections have identified leaks, cracks, and corrosion. This project will replace the conical valves with valves that are better suited for flow control and will replace all other valves that are at the end of their service life and other facility improvements.

Foothill Hydroelectric Plant Refurbishment

The Foothill Hydroelectric Plant was constructed in 1981. An assessment has identified that the facility is seismically vulnerable and should be upgraded. The scope of work also includes reinforcing the roof, replacing a cracked beam, and installing connectors and seismic restraints to the roof, columns, and walls. Retrofit work will also include upgrades for non-structural components such as equipment anchors, pipe/conduit supports, and crane rail bracing. In addition, the electrical and mechanical systems are exhibiting signs of normal wear and tear after 32 years of service. This project will refurbish control and electrical protection systems, mechanical piping for the generator cooling water systems, add a Programmable Logic Controller, install on-line data acquisition and monitoring system, refurbish runner, replace wicket gates, and refurbish or replace other deficient equipment.

Hollywood Tunnel North Portal Equipment Upgrades

Built as part of the Santa Monica Feeder in 1937, the North Portal of the Hollywood Tunnel is one of three control points along the feeder, which delivers water to the cities of Burbank, Beverly Hills, Los Angeles, and Santa Monica. The valves and mechanical control system at the North Portal of the Hollywood Tunnel are obsolete. Repair parts are not available and must be fabricated at a machine shop. This project will replace the existing sleeve valves and hydraulic actuators at the North Portal of the Hollywood Tunnel with new control valves with electric actuators. The upgrade includes replacing the mechanical controls with electronic, PLC/SCADA controls, which will allow the facility to be monitored and controlled from the Eagle Rock Operations Control Center, and replacement of the isolation valves. This project will also replace control valves for the bypass, install new electrical service to support the load necessary for the new control systems, and other improvements necessary to upgrade and rehabilitate the equipment and support systems.

Hydroelectric Plant Rehabilitation

Metropolitan owns and operates 15 hydroelectric power plants with a total installed capacity of 130 megawatts. Approximately 10% of Metropolitan's income is derived from these power plants. The first plant to be commissioned was the Greg Avenue Power Plant in 1979, and the last was the Wadsworth Hydroelectric Power Plant in 2002. Many of these plants have been in operation over 37 years and have not undergone refurbishment or upgrade. Several plants are beginning to show signs of deterioration and several have already been refurbished. A comprehensive approach to rehabilitation of the other hydroelectric plants is needed to protect Metropolitan assets and fortify infrastructure reliability.

This project will assess and evaluate Metropolitan's hydroelectric plants, determine the rehabilitation requirements for each plant, identify needed pilot efforts, prioritize the needed rehabilitation, and develop a multi-phase plan to complete the rehabilitation. New facilities or those that have already undergone rehabilitation will not be included in the evaluation. For the included hydroelectric plants, the assessment will evaluate the following equipment and systems: turbine, generator, power equipment and switchyard, control system, protection system, auxiliary systems such as lube oil and cooling water, and the overall facility. This project will also perform seismic evaluation and improvements as necessary to safeguard the hydroelectric plants from known seismic risk.

LADWP Connection in Magazine Canyon

The Los Angeles Department of Water and Power (LADWP) connection in Magazine Canyon is rated for 400 cfs and was designed to supply water to the Jensen plant from LADWP's aqueduct system. However, the connection is unreliable as the bar screen located in the LADWP piping builds up debris and clogs. This project will redesign and build new flow control equipment downstream of the LADWP turnout valve with the capability to collect and remove debris. This equipment would allow the LADWP bar screen to be removed and the LADWP turnout valve to be left in the fully open position during operation providing the Jensen plant with a reliable, back-up source water supply to limit disruptions during unforeseen events. This is a new project for this budget cycle.

Lake Mathews and Temescal Hydroelectric Plants Circuit Breaker and Oil Circuit Recloser Replacement

The Lake Mathews & Temescal Sulfur Hexafluoride (SF6) circuit breakers have operated for the last 40 years and are at their end of life. Sulfur Hexafluoride is an ozone depleting greenhouse gas with annual leakage reporting requirements. This project will replace the Temescal and Lake Mathews Hydroelectric plant electrical interrupting devices with vacuum circuit breakers and replace damaged switchyard disconnects which will satisfy Metropolitan's regulatory requirements under new proposed regulations to phase out SF6 gas insulated equipment. This is a new project for this budget cycle.

Lake Mathews Forebay Pressure Control Structure and Bypass

Lake Mathews is the terminus of Metropolitan's CRA and was constructed in the 1930's. Untreated water stored in the reservoir is withdrawn through the lake's forebay and hydroelectric plant and is then conveyed through the Upper Feeder and Lower Feeder to the Weymouth and Diemer plants, respectively. The Lake Mathews forebay discharge valves and outlet tower have gradually deteriorated over 77 years of operation. Portions of the facilities need to be replaced to maintain reliable deliveries from Lake Mathews into the Central Pool. The ten 32-inch-diameter Howell-Bunger valves that are used to withdraw water from the lake have gradually deteriorated through continuous use. The frequency of repairs is increasing, while replacement parts are difficult to obtain. These 62- to 77-year-old valves need to be replaced.

Upgraded facilities may include a new bypass system with pressure control structure, which includes new headworks regulating valves, upgraded outlet tower gates, and a new overflow spillway structure. This project will also include seismic retrofit of the existing forebay, forebay tower, and dike; and replacement of mechanical equipment including slide gates as these facilities are used with the existing turbine operation. The system is expected to provide full-service capacity and deliver water to the Upper and Lower Feeders year-round.

Lake Mathews Junction Shaft Gate Hydraulic Power Unit Study - Outlet Tower No. 2 Isolation

The roller gates at the Lake Mathews junction shaft do not operate consistently and reliably. The large isolation gates utilize hydraulic power units (HPUs) to operate under normal conditions and store energy for use in emergency conditions when electric power is not available. Although maintained in accordance with the manufacturer's recommendations, the gates no longer function as designed. This project will evaluate the two roller gate operators at the Lake Mathews junction structure that provide isolation for Outlet Tower No. 2 and rehabilitate the HPUs and support systems. This project also includes instrumentation and controls upgrade at Outlet Tower No. 2 to obtain accurate readings of the valve positions. The study will focus on the condition of hydraulic power unit equipment, safety elements related to pressurized hydraulic reservoirs/tanks, and operating procedures/practices.

Lake Mathews Outlet Tower No. 2 Valve Rehabilitation

The outlet tower valves operate intermittently and do not open and close completely. Without proper operation of the valves, tier selection and flow rates are impacted which may adversely affect system operations including raw water quality, water treatment processes at the downstream Weymouth and Diemer plants, and secure isolation of the tower from the lake needed for maintenance and inspection work. This project will complete a comprehensive study and implement recommendations on replacement or refurbishment of the butterfly valves on the Lake Mathews Outlet Tower No. 2, which may include replacement or refurbishment of 30 butterfly valves.

Oak St. Pressure Control Structure Rehabilitation

The Oak St. Pressure Control Structure (PCS) is one of two control facilities on the Second Lower Feeder (SLF) and provides water to the Palos Verdes Reservoir and several service connections. Recent inspections have identified various work to be performed to restore reliability of the pressure control structure. This project will replace valves, gratings, fasteners, and control and electrical systems; rehabilitate structural components; install security features; and other work necessary to restore reliability of the pressure control structure. This is a new project for this budget cycle.

OC-88 Pumping Plant Rehabilitation

The OC-88 Pumping Plant, consisting of the OC-88 and OC-88A pump stations, was constructed in 1990 and is located in the city of Lake Forest. Treated water from the Diemer plant is conveyed through the Allen McColloch Pipeline (AMP) to the OC-88 Pumping Plant, which in turn pumps water directly into the Municipal Water District of Orange County's (MWDOC's) South County Pipeline. The surge tank system protects the AMP and the South County Pipeline from pressure surges. Two new surge tanks were added when the OC-88 Pumping Plant modifications were completed in 2005. However, the air compressor was not upgraded at that time. A recently completed high-flow test at the OC-88 Pumping Plant identified that a second air compressor should be installed to adequately protect the AMP and the South County Pipeline. In addition, Southern California Edison performed an efficiency test on the three existing pump motors located at the OC-88A pump station and found that improvements in motor efficiency could result in annual savings of approximately \$25,000 in electricity costs, and an estimated 235 tons of CO₂ emissions. Lastly, the chiller units and ultrasonic flow meters have exceeded expected useful service lives and are in need of replacement. This project will upgrade the OC-88 Pumping Plant's surge tank system, install a second air compressor, replace flow meters and pumps with ones that have high-efficiency motors equipped with variable frequency drives, perform overhead crane improvements, fire protection, and HVAC systems; and perform other associated facility improvements.

Olinda Pressure Control Structure Valve Replacement

The Olinda Pressure Control Structure was constructed in 1969 to provide regulation of flows in the Lower Feeder between the Santiago Control Tower and Diemer Filtration Plant. This project will replace two conical plug valves to increase efficiency, reliability, and mitigate the vibrations caused by operating the valves. The structure's electrical and instrumentation components and other facility components will also be evaluated and refurbished or replaced. Replacing the existing 51-year-old valves will improve operational control of the Lower Feeder between the Santiago Control Tower and the Diemer plant. If cost effective, relocation of the PCS will also be considered.

Orange and Riverside/San Diego County Operating Regions Valve Replacement

Metropolitan's distribution system includes over 830 miles of pipelines and 5,400 individual structures that require regular maintenance and monitoring. The system is comprised of four regions: the Los Angeles County, Orange County, Riverside/San Diego County, and Western San Bernardino County regions. The subject project will replace valves within the Orange and Riverside/San Diego County operating regions. Replacement of these valves is a priority due to the age of the feeders and the number of critical valves that need to be replaced.

The valves on the Second Lower Feeder, Orange County Feeder, East Orange County Feeder, Lower Feeder, Santiago Lateral, the Allen-McColloch Pipeline, Lakes Skinner Outlet Conduit, San Diego Pipelines Nos. 3, 4, and 5 have been in service up to 52 years and have reached the end of their useful and expected service life. Failure of these valves or their associated components may result in an unplanned emergency shutdown of one of these pipelines impacting delivery to our member agencies. The valves to be replaced include air release/vacuum valves that are installed at high points in the lines to exhaust or admit air during pipeline filling or dewatering operations, and small globe, plug, and butterfly valves. The latter valves are used for isolation of air release/vacuum valve assemblies, blow-off structures, and pressure control structures. Closing these isolation valves allows inspection and maintenance activities to proceed without requiring a shutdown of the feeder. The scope of work is to replace approximately 120 deteriorated valves ranging in size from 1 to 12 inches in diameter on various pipelines in the Orange, Riverside, and San Diego County Operating Regions. This project will also include relocation of air release/vacuum valves from underground to above-ground structures.

Palos Verdes Feeder - Long Beach Lateral Turnout Structure Sta. 1442+15 Valve Replacements

The Palos Verdes Feeder - Long Beach Lateral turnout structure, located in the County of Los Angeles, was constructed in 1938. The Long Beach Lateral turnout structure consists of seven valves that allows Metropolitan to continue delivering water upstream and downstream to member agencies during preventive maintenance, shutdowns, and emergencies. This project will replace the seven valves on the Palos Verdes Feeder/Long Beach Lateral Turnout Structure that are 82 years old. The structure will also be refurbished and include replacing the existing catwalk grating, a new precast concrete roof slab, lifting mechanism, security type entry hatches, and identify and restore all electrical and instrumentation components to like new condition. Electrical components consist of electrical panel boards and grounding system, sump pump and associated instrumentation.

Rio Hondo Pressure Control Structure Valve Replacements

The Rio Hondo Pressure Control Structure (PCS) on the Middle Feeder pipeline was constructed in 1983. Construction of the Rio Hondo PCS incorporated an existing valve structure, so the valves at this location have been in operation since 1953 as part of the original underground valve structure. The existing valves have been in continuous service for approximately 67 years, and over time have required frequent repairs/rebuilding.

The Eagle Rock Operations Control Center utilizes the Rio Hondo PCS to maintain the lower pressure zone on the southern half of the Middle Feeder, and to assure deliveries to member agency water demands in the southwestern service area. This project will replace failing valves at the Rio Hondo PCS. The work will include replacing dresser couplings, pipe spools and fittings, and pipe supports; providing improved ventilation, insulation, equipment access, and structural resiliency for the structure; rehabilitating the existing wastewater system; upgrading various security features, and identifying and restoring all electrical components to new condition. Electrical components consist of electrical panel boards and grounding system, sump pumps, and associated instrumentation. This project will also perform condition assessment of inlet and outlet manifold piping as well as remaining control lines to identify rehabilitation needs and evaluate hydraulic impact on the adjacent hydroelectric plant resulting from this project.

San Diego Canal Radial Gates Rehabilitation (V-06 & V-08)

The protective coatings on the radial gate at the San Diego Canal and the operating components of the gates have begun to fail, and significant metal loss has occurred. In addition, the performance of the existing motor actuators used to open and close the gates has diminished. Should this gate fail, there would be loss of control to regulate flow into Lake Skinner from the San Diego Canal, along with loss of control in surface elevation that regulates flows through the Lake Skinner Bypass screening structures. The bypass structures supply the Skinner area raw water pipelines and the Skinner plant when Lake Skinner is being bypassed, typically due to a taste and odor issue in the lake. This project will rehabilitate or replace the San Diego Canal Radial Gates V-06 and V-08. The rehabilitation may include strengthening or replacing steel members as needed, replacing the radial gate actuator and controls, modifications to the seals and guide rails, and preparing and coating steel surfaces with an approved coating, such as a galvanic metalized coating. This project will also add sensors and software to report the elevation of the gates relative to the water elevation and percent opening of the gates.

San Diego Pipelines 3 & 5 Vacuum Valve Replacement

This project will remove and replace 73 existing vacuum valves on San Diego Pipeline No. 3 (SDPL3) and San Diego Pipeline No. 5 (SDPL5). The existing valves on SDPL3 have been in service for almost 62 years, while those on SDPL5 have been in use for almost 42 years. All the valves have reached the end of their service lives, and the majority are not in a condition to be rehabilitated. All valves will be replaced in-kind. This project will lower corrective maintenance costs, and the risks of valve failures resulting in property or pipeline damage or unscheduled pipeline outages.

San Dimas and Red Mountain Power Plants Standby Diesel/Engine Generator Replacements

The emergency generator at Red Mountain Hydroelectric plant was installed during the original plant construction in 1983. The generator at the San Dimas Hydro Electric Power Plant was installed during original Pressure Control Structure construction in 1975. These generators are necessary to ensure all operating equipment performs the required flow transfers between the Hydroelectric Power Plant (HEP) and the Pressure Control Structure (PCS) during un-scheduled HEP interruptions and SDGE station-power failures. The scope of work is to design, procure, and construct two standby diesel engine generators, one each at the San Dimas and Red Mountain Power Plants. The project scope includes removal of the existing generators and fuel tanks, construction of a new unloading facility with spill containment, steel overhead canopies, and electrical and mechanical system upgrades to the replacement generator to meet current emission and fire code.

San Dimas Hydroelectric Plant Rehabilitation

The San Dimas Hydroelectric Plant was constructed in 1981, and the electrical and mechanical systems are exhibiting signs of normal wear and tear after 41 years of service. The scope of work is to rehabilitate the electrical and mechanical systems including turbine, generator, generator cooling system, all bearing and bearing lubrication systems, switchgear, protection and control relays, speed controller, data logger, annunciator, vibration and exciter systems, and to provide associated controls. This project will also include seismic evaluation and upgrades consistent with current building and safety codes and other facility upgrades.

San Jacinto Diversion Structure Slide Gates Rehabilitation

The San Jacinto Diversion Structure, located at the base of the San Jacinto Mountains, was completed in 1939. The diversion structure divides incoming flow from the CRA to three different outlets, using slide gates to control each flow. Although the existing gates were originally designed for open/close operation only, they had historically also been used for throttling the flow, which had caused substantial damage to the gates. This project will replace the existing V-01 and V-02 cast iron slide gates with a single stainless-steel slide gate designed for throttling, replace existing V-03 cast iron slide gate designed for throttling, install a new stainless-steel drop gate at the valve structure V-04, and appurtenances at the both facilities. This project will increase the operational reliability of the structure and the connection to the Casa Loma Siphon No. 1 and CRA.

Santa Monica Feeder and East Valley Feeder Bypass for Sectionalizing Valves

The lack of a bypass line at the Santa Monica Feeder and East Valley Feeder creates the potential for damage to the valves and their operators due to the inability to equalize pressure across the valves before operating. Further operation of these valves, without installing a bypass, will continue to place the valves and pipeline at risk for damage and potentially emergency or unplanned shutdown. This project will design, fabricate, and install bypass lines at three sectionalizing valve locations that currently do not have a bypass line, and replace existing sectionalizing valves

Santiago Lateral Station 216+40 Butterfly Valve Replacement

The Santiago Lateral is a pre-cast concrete pipeline, ranging in size from 60-inch to 72-inch, and was constructed in 1955. It extends southerly from the Santiago Control Tower in the Anaheim Hills approximately 7.4 miles to Irvine Lake. The pre-cast concrete pipeline provides raw CRA water to Anaheim, IRWD and Irvine Lake. The 42-inch sectionalizing butterfly valve currently leaks resulting in unwanted flows to the south portion of the Santiago Lateral. This project will investigate alternatives to replace existing sectionalizing butterfly valve, which could also be able to handle lower flow rates. The options may include replacing with same type of valve and motor with construction of a bypass or expansion of the existing valve vault or construction of a new vault to accommodate a multi-orifice valve with a knife gate valve for better flow control.

Sepulveda Canyon Control Facility Electrical and Mechanical Rehabilitation & Seismic Upgrades

The Sepulveda Canyon Facility consists of a pressure control structure, hydroelectric plant, and two water storage tanks. The pressure control structure was constructed in the early 1970s to reduce pressure in the 9-foot-diameter Sepulveda Feeder as it conveys treated water from the Jensen Plant. The two water tanks have a combined capacity of 18 million gallons of water and are used to regulate flows through the pipeline. The hydroelectric plant, which was constructed in 1982, takes advantage of excess pressure in the Sepulveda Feeder to generate up to 8.6 megawatts of electricity with its single turbine. The facility is located on top of a large pad that was constructed by filling a steeply sloped V-shaped ravine. The pad is approximately 120 feet above the toe of the slope. The site is located within one mile of the Santa Monica Fault, which is capable of generating a 6.8 magnitude earthquake. Preliminary slope analyses indicate that the fill could slide down the slope during a major earthquake, causing significant damage to the pressure control structure, the water tanks, and the hydroelectric plant. This project will consolidate all seismic upgrade efforts for the entire Sepulveda Canyon Control Facility and seismically upgrade the facility. This project will also consider construction of a 96-inch diameter bypass line and new pressure control structure at the Sepulveda Canyon Facility to continue water deliveries if the existing facility is out-of-service due to a major earthquake.

The Sepulveda Canyon Hydroelectric Plant was constructed in 1982, and the electrical and mechanical systems are exhibiting signs of normal wear and tear after 30 years of service. The scope of work is to perform an investigation and survey of the facility, and rehabilitate the electrical and mechanical components including the turbine/generator and upgrades to the protection and control systems. The project also includes replacement of cooling water piping for the generator enclosure, rehabilitation and structural improvements to the switchyard, and rehabilitation of other facility components.

Sepulveda Feeder/East Valley Feeder Interconnection Electrical Upgrades

The East Valley valve structure is located on the north sidewalk of the Rinaldi Street and Hayvenhurst Avenue intersection in Granada Hills. During the wet season, this structure receives intrusive storm water leakage causing the junction boxes, electrical enclosures, and conduits to corrode and short circuit. The extent of damage has accelerated, and storm water now enters the structure. This project will install new wiring and control panels for operation of the existing valve, remove the existing aboveground disconnect switch and install a new power distribution panel, install new duct banks and conduits to supply power to each of the critical structures, install additional bollards around the distribution panel to minimize damage from vehicles, repair damaged sidewalk, and assess potentially relocating the existing metering structures. This project will also replace access ladder, modify stairs and install a platform to meet current Cal OSHA requirements, install guardrail at the upper landing of the ladder, install a swing-gate for the catwalk, and mitigate water infiltration into the vaults by replacing curbs and gutters around the valve structures, sealing the interior of the manway riser joints, and implementing other mitigation measures.

Sepulveda-West Basin Interconnection Valve Replacements

The Sepulveda-West Basin Interconnection was constructed in 1970. The interconnection allows Metropolitan's Sepulveda Feeder pipeline the flexibility to convey supplemental flow to the West Basin Feeder. The structure includes two 16-inch lines with sleeve valves and one 12-inch line with a globe valve. Each line may be isolated at the either end with plug valves. This project will replace failing valves at the Sepulveda-West Basin Interconnection structure. The work will include replacing associated dresser couplings, pipe spools, and pipe supports. Additionally, work on the structure will include installing a new precast concrete roof slab, providing adequate ventilation for the structure, replacing a sump pump, structure modifications to address algae accumulation on adjacent sidewalk due to frequent water discharge from the sump pump, identifying and restoring all electrical components to new condition, and refurbishing other facility components. Electrical components will consist of electrical panel boards and grounding, sump pumps, and associated instrumentation.

Service Connection A-02 Rehabilitation

A recent inspection of service connection A-02 in the City of Anaheim, revealed that piping in the meter vault had displaced, resulting in misalignment of a coupling and damage to the check valve support pedestal. If not addressed, continued movement of the piping could result in a leak, flooding, disruption of service, and costly repairs. This project will refurbish or replace the Service Connection A-02 Meter Vault piping, thrust restraint(s), meter, coupling, check valve, and plug valve in adjacent isolation valve vault. This is a new project for this budget cycle.

Service Connection LA-17 Rehabilitation

Service Connection LA-17 is located in the city of Los Angeles at the terminus of the Eagle Rock Lateral. It includes three lines: (1) 17A is a 24-inch line with a capacity of 30 cfs, (2) 17B is a 48-inch line with a capacity of 100 cfs, and (3) 17C is an 85-inch line with a capacity of 310 cfs. Three venturi tubes at the LA-17 service connection have been in service for more than 62 years and require significant rehabilitation or replacement.

Significant coating deterioration and metal loss with extensive pitting and corrosion were identified on the bottom side of the 48-inch venturi tube. The wall thickness of this venturi tube is approximately 30% of its original thickness. Failure to replace this venturi tube will lead to eventual leakage, flooding the structure, and impacting water deliveries to the member agency. This project will replace the deteriorating LA-17B welded steel venturi tube located at the Service Connection LA-17 structure along with installation of new 24" piping and a mechanical coupling. The work will also recoat the LA-17A and LA-17C venturi tubes within this structure. Additionally, work will include replacing the sump pump and identifying and restoring all electrical components to new condition. Electrical components will consist of electrical panel boards and grounding, and associated instrumentation.

Upper Feeder Raw Water Vacuum Valves and Blowoff Improvements

Isolation valves along the Upper Feeder Raw have failed to isolate due to a service life of nearly 80 years and there is a need to install sectionalizing valves in strategic locations along the feeder to facilitate isolation and access to the feeder for internal inspections and repairs without having to shut down the Weymouth plant. Further, a higher hydraulic grade is required to pass Upper Feeder flows through the ozone contactors since the ozone facility at the Weymouth plant was commissioned. The grade difference has impacted various systems and operations along the Upper Feeder. This project will study the hydraulic grade elevation changes and impacts to the Upper Feeder and associated systems (Etiwanda and La Verne Pipelines, and Glendora Tunnel); update feeder operations manual, dewatering profiles, and plan and profile drawings; replace various vacuum valves with improved self-closing units; identify new design flow rates at Upper Feeder service connections; replace isolation valves with regulating type valves; install sectionalizing valves to isolate flows to the Weymouth plant; install inflatable rubber dam on the Etiwanda bypass channel to restore bypass channel flow capabilities; and replace failed blow off and vacuum valve isolation valves. This is a new project for this budget cycle.

Upper Newport Bay Blow-off Structure Rehabilitation

The existing blow-off structure on the Orange County Feeder enables the pipeline to be dewatered in the event of an emergency and provides access for routine maintenance and inspection. Following 75 years of continuous operation in a moist environment near Upper Newport Bay, the blow-off valves and piping inside the structure have corroded and need to be replaced. In addition, due to ongoing erosion, the only road available to access the blow-off structure has been damaged and requires repairs. This project will restore access to the structure and replace its internal valves and piping. The planned repairs include regrading of the existing access road and reinforcement of crossings where the road intersects drainage channels; strengthening of the existing turn-around area adjacent to the blow-off structure, which will allow maintenance vehicles to set up for repair activities; installation of new valves and replacement of corroded piping; and modification of piping to ensure continued compliance with current California Division of Drinking Water regulations to prevent potential cross connections.

Venice Hydroelectric Plant Rehabilitation

The Venice Hydroelectric Plant (HEP) was constructed in 1982, and the electrical and mechanical systems are exhibiting signs of normal wear and tear after 32 years of service. The scope of work is to rehabilitate the electrical and mechanical components including the turbine generator, the protection and control systems, and other facility components. The project also includes rehabilitation and structural improvements to the switchyard.

Venice PCS Valve and Security Upgrades

Venice Pressure Control Structure (PCS) is the second of two pressure control structures located along the Sepulveda Feeder. Venice PCS performs the critical operational functions of reducing grade and controlling flows in the Sepulveda Feeder. The PCS consists of multiple control valves and associated piping. The valves are almost 49 years old and have been experiencing increased failures over the last 12 years. This project will refurbish valves and other appurtenances. This project will also install multi-hazard security features for facility infrastructure protection.

Wadsworth Pumping Plant Sleeve Valve Refurbishment

Recent inspections have identified numerous deteriorated sleeve valves at the Wadsworth Pumping Plant. The sleeve valves originally installed in 1999 control the flow of water from DVL to the San Diego Canal. While operation of the pumping plant has not yet been impacted, failure of the valves could lead to an unplanned shutdown and interruption of water delivery to member agencies. This project will refurbish seven 66-inch by 42-inch sleeve valves at the Wadsworth Pumping Plant at DVL.

Washington Street Pressure Control Structure Valve Replacement & Security Upgrades

The Washington Street Pressure Control Structure (PCS) located on the Palos Verdes Feeder was constructed in conjunction with the Palos Verdes Feeder pipeline in 1941. The pipeline has a design capacity of 100 CFS in this area. This project will replace two failing hydraulically operated and three electronically operated globe valves at the Washington Street PCS. The work will also include replacing all block valves, identifying and restoring all electrical components to new condition, and moving electric meter from outside to inside the structure. Electrical components consist of electrical panel boards and grounding, sump pump, and associated instrumentation. Additionally, a security assessment of the facility will be conducted to determine the need to reinforce or upgrade physical features for enhanced infrastructure protection.

West Orange County Feeder OC-09 Rehabilitation

The West Orange County Feeder was constructed in 1956 as a component of the Lower Feeder system. It delivers treated water from the Robert B. Diemer Water Treatment Plant in Yorba Linda to the northwestern portion of Orange County. Service Connection OC-09 on the West Orange County Feeder consists of a turnout tee, a venturi meter, and a shutoff valve. The turnout tee is encased in concrete and is located beneath the traffic lanes of Katella Avenue in the city of Garden Grove, adjacent to the boundary line with the city of Stanton. The meter vault is located below Dale Street. This structure contains a 14-inch conical plug valve, a venturi meter, and associated piping and electrical systems. Gradual corrosion from over 62 years of operation in a damp underground environment has led to deterioration of the equipment within the vault. This equipment needs to be replaced and other facility components rehabilitated to maintain reliable deliveries from the service connection.

West Orange County Feeder Valve Replacement

The West Orange County Feeder was constructed in 1956 as a component of the Lower Feeder system. It delivers treated water from the Diemer plant in Yorba Linda to the northwestern portion of Orange County. A recent condition assessment identified that 13 structures require rehabilitation, including the replacement of air release/vacuum valve assemblies and adjacent plug valves. These valves were installed during the original construction of the feeder and have been in service for over 62 years. Six of the air release/vacuum valves will also be relocated from a manhole to an above ground cabinet within the street-side parkway zone to prevent the potential of treated water in the distribution system becoming exposed to stormwater under certain operating conditions. Refurbishment or replacement of other facility components, including meter replacement or relocation, may be implemented based on the additional site evaluations.

West Valley Feeder No. 1 - Access Road & Valve Structure Improvements

The West Valley Feeder No. 1 and appurtenant valves were constructed and installed by Calleguas Municipal Water District in 1962. Metropolitan acquired the feeder in 1970. Most of the deteriorated valves were replaced and valve structures improved between 2006 and 2012. This project will replace the remaining deteriorated valves located in Chatsworth Park, add new valve structures to house isolation valves that are presently directly buried, install enclosures for air release/vacuum valves, and perform grading of an all-weather access road to support maintenance activities.

Valley View Hydroelectric Plant Rehabilitation

The Valley View Hydroelectric Plant was constructed in 1986. The mechanical components were rehabilitated in 2019. The electrical and control systems are yet to be rehabilitated and have been requiring increased maintenance. Many of the components are no longer manufactured or supported. This project will replace the electrical protection and control relays, data acquisition equipment, electrical panels, annunciator, vibration system, automated voltage regulator, governor and speed controller, switchyard circuit breakers, and other improvements to extend the service life and improve reliability.

Willits Street Pressure Control Structure

The Willits Street Pressure Control Structure (PCS), located in the city of Santa Ana, was built in 1944. This pressure control structure located on the Orange County feeder regulates pressure and conveys treated water to the Irvine Regulating Structure. This PCS is an underground structure consisting of three parallel trains of pressure control valves. At full capacity, two trains are in operation while the third train acts as a stand-by. The existing structure is congested and does not provide suitable access for maintenance, repairs or the replacement of valves. The maintenance access was impacted during street widening that required the size of the structure to be reduced. The modified structure configuration does not have a lifting mechanism to remove or transport these valves out of the structure for replacement or repairs. Additionally, the existing catwalk does not have adequate coverage. This project will construct a new pressure control structure to replace the existing Willits street PCS located on the Orange County Feeder. The work includes a new concrete substructure, relocating and replacing the control and isolation valves, new sampling connections for water quality, and all necessary electrical and ventilation equipment. Once the new structure is complete, the older structure will be abandoned, and the pipeline will be attached to the new structure during a brief outage.

Yorba Linda PCS Rehabilitation

The Yorba Linda Pressure Control Structure (PCS) was constructed in 1975 and controls pressure on the Yorba Linda Feeder prior to the influent flow reaching the Diemer plant. A recent inspection of the facility revealed extensive corrosion at the sleeve valves, damage and failure of mortar lining in appurtenant piping, observed damage to the valve body seat on the butterfly valves, and inadequate cathodic protection. This project will rehabilitate this PCS to restore reliability. This is a new project for this budget cycle.

Yorba Linda Power Plant Improvements

The Yorba Linda Power Plant is located on the Yorba Linda Feeder at the inlet to the Diemer plant and can generate up to 5 megawatts. Installation of a new turbine generator was completed in November 2015, and generator enclosure in May 2020. This project will improve emergency shutdown, alarm, and public address systems; and upgrade Human Machine Interface (HMI) panel to improve reliability and safety of the plant operation by replacing the existing shutdown system that requires operator intervention that could cause undesired pipeline pressure surges to a redundant and automated system that will engage in the event of wicket gate closing system failure. Extension of the Diemer plant's public announcement system into the Yorba Linda Power Plant and addition a new alarm system in key locations will enhance personnel safety and improve operator's response time. This project will also install a new wicket gate drive system and rehabilitate the turbine shutoff valve actuator system.

Pipelines, Tunnels, Canals Project Group**Casa Loma Siphon Barrel No. 1 Seismic Retrofit**

In November 2016, leaks were detected on Barrel No. 1 of the Casa Loma Siphon. It was determined that the pipe has had significant horizontal and vertical movements. The leaks do not immediately jeopardize the structural integrity of the aqueduct but if repairs are not performed, the continued leakage over time could erode soil, undermine the siphon, and cause damage to the siphon structures. The Casa Loma Siphon Barrel No. 1 is vital to Metropolitan's conveyance system moving water from the desert pumping plants to Lake Mathews. The work is conducted in two stages. Under Stage 1, internal seals were installed on 13 joints as an interim measure to address the leaks. These repairs were completed in February 2017, during a planned shutdown of the CRA. Stage 2 will permanently repair the pipe joints within the siphon by replacing 148-inch diameter steel and concrete pipe segments that cross the Casa Loma Fault zone with two parallel barrels of 104-inch diameter earthquake resistant ductile iron pipe segments and steel pipe, which will accommodate relatively large ground displacements from an earthquake and the ongoing ground settlement.

Casa Loma Siphon No. 1 and San Jacinto Pipeline Protection

The Casa Loma Siphon No. 1 and the San Jacinto Pipeline cross the San Jacinto River in Hemet, CA. The river experiences periodic high flows during severe storms, exposing the pipelines at the river crossing to damage due to exposure, undermining, or flotation. The scope of the project is to construct a weighted protective cover system, consisting of cable-connected articulated concrete blocks, spanning approximately 200 feet in length over Casa Loma Siphon No. 1 and the San Jacinto Pipeline. This project will enhance infrastructure safety, security, and resiliency, and will improve the reliability of water deliveries.

Etiwanda Pipeline (South) Protection - Sta. 332+00 to 349+00

The City of Rancho Cucamonga is planning to construct a grade separation on Etiwanda Avenue where the Etiwanda Pipeline is located, south of the Etiwanda Reservoir near the tie-in point to the Upper Feeder. Metropolitan is required to either relocate or protect its pipeline, at its own expense, to allow for improvements by the City. The option to protect the pipeline was selected over the relocation option due to time constraints imposed by the grade separation project. The City will install cast-in drilled hole piles (CIDH) in isolation casing within the main bridge span to protect the pipeline. Metropolitan is responsible for the cost of the City's relocation of rectifier and electrical service cabinets, underground conduits, electrolysis test stations, anode well, and patrol road to access manholes; modification of manholes and vent piping for flowmeters and air release vacuum valves, and sump discharge lines.

Etiwanda Pipeline Lining Replacement

The Etiwanda Pipeline was constructed in 1993 to convey untreated water from the Rialto Pipeline to the Upper Feeder. This 6.4-mile-long welded steel pipeline is 144 inches in diameter. The northern portion of the pipeline, which is 5.4 miles long, conveys high-pressure water to the Etiwanda Power Plant. From that facility, the southern portion of the pipeline continues for one mile to an interconnection with the Upper Feeder. During an internal inspection, staff discovered that approximately 37 percent of the northern portion of the line has missing or delaminated mortar lining. At the present time, the structural integrity of the pipeline remains sound. Over time, however, the loss of mortar lining will expose the pipeline to accelerated rates of corrosion and eventual leakage. This project will remove existing and failing cement mortar lining and install a flexible polyurethane lining system. Stages 1 and 2 of this three-stage project have been completed, and rehabilitation of the remaining 2.5 miles of the middle reach of the feeder will be completed under Stage 3, which will also include installation of 1,200 feet of steel liner.

Lakeview Pipeline Relining

The Lakeview Pipeline was constructed in 1973 to provide water from the East Branch of the State Water Project (SWP) to the Skinner area. Since it was completed, the Lakeview Pipeline has been shut down on numerous occasions to repair leaking joints. The line has experienced significant deformation which has caused leaks at pipe joints and loss of mortar lining. Due to the significant potential for corrosion of the pipeline, and the lack of structural integrity in many locations, permanent repairs should proceed expeditiously. In March 2015, in response to the ongoing state-wide drought, the Stage 1 repairs were completed. This work included lining a one-mile portion of the Lakeview Pipeline known as the Bernasconi Tunnel with a steel liner. In conjunction with the recently completed Lakeview Pipeline/Inland Feeder intertie, this improvement enables up to 200 cubic feet per second (cfs) of water stored in Diamond Valley Lake to be delivered to the Mills plant. Stage 2 construction was completed in May 2021, which relined a 133-inch diameter section of pipe referred to as a “wye” branch near the east portal of the Bernasconi Tunnel and replaced a 60-inch diameter “tee” section of pipe located at the Lake Perris Control Facility. Completion of this stage, up to 120 cfs of water stored in Diamond Valley Lake can be reliably delivered to the Mills plant, while maintaining overall pipeline structural integrity. The Stage 3 work includes lining 3.7 miles of the Lakeview Pipeline between the Inland Feeder’s PC-1 control structure and the Perris Control Facility, along with installation of a 1,000-foot-long reach of 9.5-foot-diameter pipe to bypass the Perris Control Facility. Upon completion of the Stage 3 work, the Lakeview Pipeline will be capable of delivering up to 340 cfs from Devil Canyon through the Inland Feeder to the Mills plant, providing an alternate delivery route to the plant as backup to the Santa Ana Valley Pipeline. The Stage 4 work will include lining the remaining 6.7 miles of the Lakeview Pipeline that extends from PC-1 to the San Diego/Casa Loma Canal junction structure.

Orange County Feeder Relining

The Orange County Feeder conveys treated water from the Weymouth Water Treatment Plant in La Verne to six member agencies in Los Angeles and Orange Counties. Recent internal inspections of the feeder have identified significant deterioration of the existing coal-tar enamel lining, which is 77 years old. While the pipeline’s structural integrity remains sound at present, the interior lining displays blistering and disbonding, which expose the pipeline to accelerated rates of corrosion and eventual leakage. The lining needs to be repaired in order to maintain long-term reliability of the pipeline.

This project repairs the lining on the 11-mile-long Feeder, which is being accomplished in three stages. Stages 1 and 2 of this three-stage project have been completed. Stage 3 will reline the remaining four miles of the middle reach of the feeder. Stage 3 work includes replacement of the lining, welding of corroded pipe joints, and replacement of deteriorated valves along the feeder.

Rehabilitation of Metallic and Concrete Pipelines Phase 1 - Select High Priority Feeders

Metropolitan's water delivery system consists of 830 miles of pipelines, of which 670 miles are comprised of reinforced concrete, welded steel, and cast-iron pipe. The majority of Metropolitan's non-PCCP lines were installed over 50 years ago. Experience has shown that degradation from corrosion of reinforced concrete and metallic pipelines can often develop undetected. Some of these pipelines are also showing signs of deterioration, as evidenced by several recent lining and joint repair projects (e.g., Etiwanda Pipeline, Orange County Feeder, and Lakeview Pipeline).

Phase 1 for high priority pipelines, including Santa Monica Feeder, Upper Feeder, Lower Feeder, and Middle Feeder, will include a complete risk assessment and prioritization of pipeline inspections, condition assessment of these high priority pipelines using prequalified inspection technologies, and recommendations for inspection technologies to be used for future condition assessments. This project also includes installation of permanent pipeline appurtenances required to access the pipeline and rehabilitation of pipelines to reduce the risk of failure, minimize repair costs, and prevent unplanned shutdowns. During the course of this project, other feeders may be identified and added to the high priority list.

Rialto Pipeline Rehabilitation at Station 2986

The Rialto Pipeline conveys untreated water from Lake Silverwood to the Live Oak Reservoir in La Verne. The pipeline supplies water from the East Branch of the State Water Project to the Weymouth Water Treatment Plant, and directly services three member agencies through 11 service connections. The size of the pipeline ranges in diameter from 96 to 120 inches and is part of the greater Rialto Pipeline System, which includes the Rialto Pipeline, Etiwanda Pipeline, and La Verne Pipeline.

In February 2010, an internal condition assessment of the pipe mortar lining and remote field eddy current inspection of prestressed concrete cylinder portions were performed. One pipe section with significant mortar damage was observed at Station 2986+09 through Station 2986+44, exposing roughly 26 linear feet of steel. This pipe segment was again inspected in December 2018 and 2020 where it was discovered that an entire 30-foot segment of pipe was completely devoid of mortar lining with a significant amount of the exposed steel needing immediate weld repair. This project will perform extensive weld repair of pipe wall and replacement of missing mortar lining. This project will also replace failed pipe spool and isolation valve at CB-11 service connection, eight 72-inch butterfly valve seats at San Dimas Pressure Control Structure, and six lubricated plug valves ranging in size from 4 inches to 16 inches; reconfigure CB-15 service connection to allow blow off discharge and provide access to one blow off and one pump well structure; and install internal pipe seals at San Dimas Pressure Control Structure.

San Diego and Auld Valley Canals Concrete Repairs

The scope of this project is a comprehensive repair of damaged concrete liner within the San Diego and Auld Valley Canals. The repair work will need to be performed during an extended shutdown of the two canals, to the extent that demands, and storage can be accommodated. An extended outage of approximately 30 days will facilitate repair to priority areas and reaches of the canals, will shorten the overall repair timeline, and will reduce the risk of further deterioration. Failure of the liner in either canal will interrupt or reduce raw water deliveries to the Skinner plant and to various downstream member agencies and sub-agencies. The canals are the sole conveyance route for Colorado River water and State Project water to the Skinner plant.

San Diego Pipelines 1 and 2/Rainbow Tunnel Improvements

The San Diego Pipelines 1 and 2 were built in the 1940s and have multiple diameters and pipe materials consisting of steel, precast concrete cylinder pipe, and precast non-cylinder pipe. Some of the steel section have cement mortar lining, the remaining sections all have coal tar lining. The Rainbow Tunnel has an approximate 72-inch diameter, and is horseshoe-shaped. A recent inspection identified sections where the lining needs replacement. Several valves at turnout structures have reached the end of their service lives and require replacement. This project will perform a detailed evaluation of the pipelines and tunnel and appurtenant structures, replace damaged lining, and refurbish or replace other components as needed.

San Diego Pipeline 1 and 2 Station 1214+00 Exposure Repair

On February 14, 2019, the Temecula area experienced heavy and sustained precipitation followed by additional storm events over the 2019-2020 storm season. The resulting accelerated stream flows exposed the buried San Diego Pipeline Nos. 1 and 2 where the pipelines cross an ephemeral stream channel. Emergency repairs were made in October 2020 under an emergency permit from the Regional Water Quality Control Board. As a condition of the permit, a permanent solution for the site must be constructed within two years of the authorization of the emergency permit. This project will develop and construct a permanent erosion control solution for the pipeline exposure on San Diego Pipeline Nos. 1 and 2. This is a new project for this budget cycle.

Santa Monica Feeder Cast Iron Pipe Rehabilitation

The Santa Monica Feeder was constructed in 1941 as part of Metropolitan's original distribution system. The feeder is approximately 25 miles long, with a diameter ranging from 28 inches to 120 inches. The feeder has various reaches comprised of cast iron, welded steel, and reinforced concrete pipe. The Santa Monica Feeder delivers treated water from the Eagle Rock Control Facility in the city of Los Angeles to four member agency service connections before reaching its terminus in the city of Santa Monica. This project will assess the condition of the cast iron portion of the Santa Monica Feeder using emerging inspection technologies. The cast iron portion of the pipeline is eight miles in length and located between the Hollywood Tunnel North Portal to the Santa Monica Feeder terminus near the Santa Monica Service Connection SMN-01. This is the last section of cast iron pipe in Metropolitan's distribution system. The assessment is anticipated to include leak detection, pipe wall thickness inspection, and internal seal installation by contractor for joint repairs as needed. Following the condition assessment, a long-term plan will be prepared to monitor, and replace and/or rehabilitate the Santa Monica Feeder cast iron pipe. In anticipation of potential prolonged outages, various operational modes will be investigated and designed to maintain reliable flow to service connections. Also, hydraulic and structural analyses will be performed on the pipeline with design recommendations to address various operational conditions and scenarios such as, seismic events and pressure surge episodes.

Upper Feeder - Lining Replacement at the Santa Ana River Bridge

The Upper Feeder was constructed between 1933 and 1941 with a 116-inch-diameter steel pipe and lined with coal tar enamel liner (CTE). This portion of the Upper Feeder is located above ground and crosses the river bed via a bridge. Exposure to the sun subjects the pipeline to a thermal cycle that is continuous heating and cooling of the pipe material. Over the past seven years, staff have performed inspections on this segment of the Upper Feeder and determined that approximately 90% of the pipe's internal lining has failed. Mild to moderate pitting on the interior of the pipe indicate rust tuberculation and corrosion. This project will reline approximately 1,000 feet of the 116-inch diameter pipeline with an approved liner material.

Distribution System - Other Project Group**Chloramine Booster Station at Three Locations within the Treated Water Distribution Systems**

Metropolitan uses chloramines, formed by combining chlorine and ammonia, as a disinfectant in our distribution systems. Internal research has determined the most effective chloramine concentration to prevent microbial growth at low flow conditions. Addition of chlorine and liquid ammonium sulfate (LAS) in the treated water distribution systems will allow the total chlorine residual within the distribution system to be maintained at or above 1.8 mg/L, especially during low demand periods. LAS is recommended instead of aqueous ammonia because LAS has fewer regulatory requirements, as well as lower construction and operating costs. The project will determine the three optimum locations to install: (1) sodium hypochlorite and LAS tanks, (2) feed pumps and appurtenances, (3) piping, and (4) instrumentation and control systems to ensure the safety and reliability of the feed systems.

Cone Camp Intertie Bypass Rehabilitation

This project will rehabilitate the Cone Camp Intertie including the existing 24-inch bypass pipe around the 78-inch butterfly valve. Work may include replacement of the 24-inch bypass pipe and associated valves, and other features necessary to support the bypass operation. The Cone Camp Intertie was constructed in 2002 as a part of the Inland Feeder Highland Pipeline to allow the Inland Feeder to receive State Project Water (SPW) through San Bernardino Valley Municipal Water District (SBVMWD) Foothill Pipeline. At the intertie, a bypass pipeline is used to equalize pressure on both sides of the 78-inch butterfly shutoff valve prior to operating the valve. This bypass pipeline has been taken out of service due to pinhole leaks caused by microbiological corrosion due to stagnant water. Although normal operation of the Inland Feeder does not require the intertie, the intertie may be used to convey water for the Inland Feeder when Devil Canyon 2nd afterbay is offline. This is a new project for this budget cycle.

Diamond Valley Lake and Skinner Area Flow Meter Replacement

The flow meters at the Diamond Valley Lake (DVL) Inlet/Outlet Tower, DVL Connection Canal, DVL Secondary Inlet, Cabazon Radial Gate Facility, Lake Skinner Inlet, and DVL North and South siphons are critical to operation of Metropolitan's distribution network in the vicinity of DVL and the Skinner Plant. This project will either replace or refurbish these aging flow meters making them either new or like-new. This is a new project for this budget cycle.

Diamond Valley Lake Crane Rehabilitation

The scope of the project is to rehabilitate the 25-ton gantry crane at the Diamond Valley Lake Inlet/Outlet Tower. The project will also include a study to evaluate the possibility of increasing the crane capacity to enable it to be used as an alternative lifting device for the emergency drop gate in the event of a failure of the drop gate's normal hydraulic lifting system. This project will enhance infrastructure safety, security, and resiliency, and will enhance the reliability of water deliveries.

Diamond Valley Lake Oxygenation System

This project will construct a liquid oxygen (LOX) storage and feed system at Diamond Valley Lake to improve water quality, reduce impacts of cyanobacterial blooms, and maintain operational flexibility to ensure reliable and high-quality water deliveries under drought and emergency conditions. The LOX system will maintain oxygenated conditions in the deeper waters of DVL and prevent the formation of reduced compounds (sulfides, metals) that interfere with water treatment processes. This will allow for high-quality water to be released from the reservoir year-round. The system consists of: (1) a LOX tank; (2) evaporators to convert LOX to gas; (3) supply lines to deliver oxygen; (4) diffusers to mix the oxygen; and (5) a control system to regulate oxygen flow. Also, a cost benefit analysis will be performed during the early stage of the project to compare the life-cycle cost of purchasing LOX from a vendor versus installing a LOX generation facility at DVL.

Diamond Valley Lake Forebay Concrete Joint Seal Replacement

The concrete joint seals in the Diamond Valley Lake (DVL) Forebay have been in service for over 20 years and have far exceeded the typical service life of two to five years. Division of Safety of Dams (DSOD) had previously directed Metropolitan to address seal replacement at the DVL Spillway; that replacement was completed in 2018. Based on a Metropolitan inspection in July 2018, the Forebay seals are in similar condition to the Spillway seals. This project will remove deteriorated and de-bonded joint seals at the DVL Forebay (approximately 150,000 linear feet), and replace with a new, cost-effective and high-performance MWD-approved sealant.

East Lake Skinner Bypass & Bypass No. 2 Screening Structure Upgrade

The East Lake Skinner Bypass Slide Gates were built 54 years ago in 1967 and are in need of rehabilitation. The gates are binding during operation which is rendering them inoperable. In addition, the East Lake Skinner Bypass Afterbay Trash Rack needs to be replaced with a new stainless-steel rack to minimize the corrosion which caused the existing galvanized material to collapse under the weight of a severe algae bloom during bypass operations. The scope of work consists of reconditioning three of the East Lake Skinner Bypass Slide Gates, and to replace the East Lake Skinner Bypass Afterbay trash rack which is severely corroded and partially collapsed. In addition, this project will modify the East Lake Skinner Bypass Algae Screening Mechanisms Discharge Piping to bypass the Algae Shakers and upgrade the Lake Skinner Bypass No. 2 Forebay Trash Rack Lifting Mechanisms.

East Orange County Feeder No. 2 Seismic Retrofit at Diemer Water Treatment Plant

A recent assessment identified a slope near the south-western pad at the Diemer plant as having the potential to damage the East Orange County Feeder No. 2 pipeline during a significant earthquake. This structure requires further analysis to ensure that it meets Metropolitan's current structural standards and the facility is reliable in the event of seismic activity. This project will assess, design, and complete seismic retrofit construction near the south-western pad at the Diemer plant.

Garvey Reservoir Drainage & Erosion Control Improvements

Garvey Reservoir was constructed in 1954 as a component of the Middle Feeder system. The reservoir receives treated water from the Weymouth plant and has a maximum storage volume of 1,600 acre-feet. The reservoir is located within the city of Monterey Park on a hill that is surrounded on the west and south by residential properties that are lower in elevation. During significant storm events, surface runoff collects and flows downhill through improved drainage systems and natural drainage courses to Metropolitan's property boundaries. Connecting off-site drainage systems that were constructed by developers more than 52 years ago do not meet current minimum design standards and have deteriorated over time. Recognizing the mutual benefit of addressing runoff issues from the reservoir, Metropolitan entered into an agreement with the city of Monterey Park to implement drainage and erosion control improvements both within Metropolitan's property, and improvements to drainage in city streets. There are 11 geographically defined drainage zones at Garvey Reservoir to be mitigated. Zones 1 to 5 have been completed and zones 6, 7, 8, 10, and 11 are in construction. Improvements for drainage zone 9, the final drainage zone, are under discussion with the city.

Garvey Reservoir Sodium Hypochlorite Feed System Upgrades

Upgrades to the sodium hypochlorite feed system at Garvey Reservoir are needed to maintain treated water quality within the Central Pool portion of Metropolitan's distribution system. The existing hypochlorite system has exceeded its expected service life and has deteriorated over time, requiring frequent repairs. Failure of the chemical feed system would negatively affect water quality within the distribution system by not maintaining minimum chlorine residual. This project will replace the current hypochlorite system with new valves, piping, electrical systems, and instrumentation and updated controls that will allow both automated and remote control of the chemical feed system.

Lake Mathews Aboveground Storage Tank Replacement

The Lake Mathews existing diesel aboveground storage tank does not conform to current regulations and needs to be removed from service. In its present condition, the tank cannot be operated in a safe manner. The Lake Mathews Spill Prevention Countermeasure and Control Plan cannot be certified as long as the diesel aboveground storage tank remains in service. This project will replace the existing 10,000-gallon diesel fuel aboveground storage tank (AST) with its associated containment dike, venting, fill system, level monitoring, fuel dispensing system, catwalk, and continuous release detection system with a new 6,000-gallon AST system, and design and construct a roof over the storage tank containment and unloading area. This project will also install an eyewash station.

Lake Mathews Electrical Reliability

The existing electrical distribution system at Lake Mathews constructed during the 1930s needs to be upgraded for reliability. This system has been in service for over 77 years and serves the lake's outlet towers and junction shaft, hydroelectric plant, forebay, chlorination system, administrative offices, and maintenance and repair shops. The electrical distribution system is outdated, has experienced numerous overloads, and lacks capacity for planned additional equipment. The system needs to be upgraded to maintain reliability and meet future power demands. This project will evaluate and upgrade power distribution system, which may include use of alternate medium power distribution voltage (4.16 kV) in line with other Metropolitan facilities, underground and overhead power lines and condition of electrical poles, voltage stability for all facilities, the ability to isolate feeders to provide selective isolation and safer maintenance, and emergency generators capability to provide adequate backup. This project also plans to integrate the upgraded electrical system with Metropolitan's system-wide supervisory control and data acquisition system.

Lake Mathews Perimeter Fencing Upgrade

Lake Mathews is the terminus of the CRA. Water is stored in Lake Mathews Reservoir, withdrawn through the lake's main outlet towers into the forebay, and is then conveyed through the Upper Feeder and Lower Feeder to the Weymouth and Diemer plants, respectively. The existing chain link fencing along the approximately 15-mile perimeter of the Lake Mathews facility has deteriorated and is ineffective at preventing intrusions. The fencing can be easily cut, resulting in an increase in break-ins and illegal dumping through the fencing. This project will replace the existing five-foot tall chain link fencing with eight-foot tall, anti-cut, anti-climb security fencing, constructed of steel or wrought iron. This project will enhance infrastructure safety, security, and resiliency, and will improve security and emergency response.

Lake Mathews Sodium Hypochlorite Injection System

Update and redesign the Lake Mathews sodium hypochlorite injection system to relocate the injection point to a location that will minimize the impacts of chlorine injection on the forebay and appurtenant structures. The design will also consider effective Quagga Mussel control, enhancing safety and reliability of the injection system, and adherence to water quality goals and requirements. The project will develop options to replace the existing interim sodium hypochlorite system at the Lake Mathews Forebay with a system at Lake Mathews Outlet Tower No. 1 and Outlet Tower No. 2, and to provide continuous chemical injections from the towers through the Lake Mathews Forebay, Power Plant, and into the Upper and Lower Feeders.

Lake Skinner Oxygenation System

Lake Skinner is subject to seasonal thermal stratification when the lake water temperature prevents mixing of vertical layers resulting in anaerobic conditions and cyanobacteria blooms. These conditions in the lake can ultimately affect water treatment operations and the quality of the finished drinking water due to taste and odor compounds and sometimes cyanotoxins produced by the cyanobacteria. Lake Skinner currently has a compressor-based aeration system that pumps air to the bottom of the lake in an attempt to mix the water and prevent the thermal stratification but the system is undersized and has been at times, ineffective. This project will construct a hypolimnetic oxygenation system at Lake Skinner including an oxygen supply or liquid oxygen facilities, an anchored diffuser piping assembly in the lake, and associated electrical modifications to improve water quality conditions in Lake Skinner and ensure water supply reliability. This is a new project for this budget cycle.

Lake Skinner West Bypass Screening Structure Rehabilitation

The San Diego Canal West Bypass Screening Structure is located at the terminus of the San Diego Canal and is the starting point for water which bypasses Lake Skinner to downstream users. The bypass screening structure is fitted with an electrically powered revolving screen extending across the channel, which dips into the channel to intercept and collect algae mats and other floating debris. This system prevents algae mats and other debris from entering the treatment plant or member agency water systems via the bypass pipelines. The screening equipment was installed in the 1960s and has now been removed due to operational difficulties. The concrete support structure for the screening equipment constricts flow entering the bypass pipeline and canal must be operated near spill elevation in order to achieve the maximum flow of 280 cfs in the canal/pipeline under current conditions. This project will demolish the concrete support structure for the bypass screening structure to remove the flow constriction point and replace the deteriorated trash rack located upstream of the bypass pipeline entrance.

Live Oak Reservoir Bypass Pipeline Cathodic Protection

Constructed in 1973, the Live Oak Reservoir Bypass, Inlet, and Outlet Pipelines are dielectrically coated welded steel pipelines with a diameter of 97 inches and are approximately 0.6 miles long. The 24-inch dielectrically coated Desilting pipeline ties in to the Outlet pipeline, crosses the Bypass pipeline and is approximately 800 feet long. The Live Oak Reservoir Bypass connects the prestressed reaches of the Rialto Pipeline to the east and the west. The pipeline is one of the few reaches of welded steel pipe that is not yet cathodically protected. A failure of the Live Oak Reservoir Bypass would inhibit Metropolitan's ability to convey water through its system and potentially disrupt Metropolitan's ability to deliver water to several member agencies. The scope of work is to design and install a comprehensive cathodic protection system in the Live Oak Reservoir Bypass.

Lower Feeder Air Entrainment Improvement

When operated at flows higher than 300 cfs, air becomes entrained in the water traveling through the Lower Feeder due to large elevation drops within the conveyance system. When coagulant is added to this inflowing water in the rapid mixers at the Diemer plant, the result is clusters of floating foam mats on the water surface in the coagulation and sedimentation basins which causes operational, maintenance, and aesthetic concerns. Entrained air also increases filter run time. This project will reduce or eliminate entrained air through modifications and addition of components along the Lower Feeder including at the Corona and Temescal power plants, pressure control structures, pipelines, air stacks, and air release/vacuum valves. This is a new project for this budget cycle.

Lower Feeder Cathodic Protection System Rehabilitation

The existing cathodic protection systems for the Lower Feeder were installed in 1995. Recent surveys of the existing systems have indicated that they are no longer providing adequate protection due to gradual deterioration of their anodes. This project will rehabilitate or replace the equipment, such as impressed-current anode wells and rectifiers; and remove existing equipment as required by law. This is a new project for this budget cycle.

Middle Feeder North Drainage and Protection Restoration

The Middle Feeder North from Station 1067+00 to Station 1071+00 lies within both a Metropolitan fee parcel and easements between Graves Avenue and Mooney Drive in the unincorporated Los Angeles County community of South San Gabriel. A recent visual inspection and survey of the area determined that the current soil cover over the feeder has eroded to less than design minimums. This project will restore the design soil cover over Middle Feeder North conduit and improve drainage features to preclude this problem in the future. This is a new project for this budget cycle.

Orange County Feeder Cathodic Protection System Rehabilitation

The Orange County Feeder conveys treated water from the F. E. Weymouth Water Treatment Plant in La Verne to its terminus at service connection CM-1 in Newport Beach. The feeder is approximately 41 miles long and was installed in 1942. The feeder consists of approximately 21 miles of welded and un-bonded steel pipe, 19 miles of precast concrete pipe, and one mile of prestressed concrete cylinder pipe. Previously, cathodic protection could not be effectively applied to the subject reach; however, recent pipeline rehabilitation has made cathodic protection a viable option to prevent external corrosion and thus prevent future pipe leaks. The first three locations that were identified during the routine testing, which were no longer providing corrosion protection to the pipeline, have been replaced. This project will install a new cathodic protection system on the remaining portion of Orange County Feeder to protect approximately 11.2 miles of feeder. The scope of work includes design and installation.

Orange County Feeder Dewatering Improvements

The Orange County Feeder originates at the Weymouth plant in La Verne and extends south for 41 miles to its terminus in the City of Newport Beach. Operations staff struggles with dewatering the pipeline due to development-driven relocations and aging infrastructure. This project will perform the analyses, equipment and facility modifications, and documentation to facilitate future pipe dewatering operations. This is a new project for this budget cycle.

Palos Verdes Reservoir Sodium Hypochlorite Storage and Chemical Feed System and Security Upgrades

This project will replace the 12,000-gallon fiber-reinforced plastic (FRP) sodium hypochlorite (NaOCl) storage tank and appurtenant fittings at the Palos Verdes Reservoir (PVR). The existing FRP tank, manufactured in 1992, is well past its recommended service life of 6-10 years. The FRP tank will be replaced with two 6,000-gallon titanium tanks, which are designed to last 50-70 years and do not corrode in the presence of sodium hypochlorite. Further, modifications to the tank farm feed systems are required to meet revised minimum flow and dosage requirements recently directed by Water Quality and Member Agency demands. Lastly, security cameras will also be added around the PVR facility in order to provide increased security monitoring.

Prevention of CRA Water Migration to SPW at Weymouth Junction Structure

Recently, quagga mussel veligers were discovered at the USG-03 service connection necessitating coordination with local water agencies and implementation of a control and mitigation plan. The affected areas were flushed and chlorinated, groundwater recharge basins were desiccated, and no additional veligers were found. It was determined that Colorado River Water (CRW) was able to inadvertently migrate through the Weymouth Water Treatment Plant (WTP) Junction Structure's sectionalizing valves into the La Verne Pipeline and travel through the Glendora tunnel to service connection USG-03. This project will install pressure monitoring devices connected to nearby existing Remote Terminal Units at key locations along the La Verne Pipeline. Pressure ranges and set points for alarms will be determined in order to provide adequate time for operations and field staff to respond to abnormal conditions in the system to detect CRA water intrusion. This project would minimize the potential for CRW to enter unaffected facilities that normally move State Water Project (SWP). This is a new project for this budget cycle.

Rialto Pipeline Cathodic Protection System Rehabilitation

The existing cathodic protection systems for Rialto Pipeline were installed between 1988 and 1995. Recent surveys of the existing systems have indicated that they are no longer providing adequate protection due to gradual deterioration of their anodes. This project will rehabilitate or replace the equipment such as impressed-current anode wells and rectifiers; and remove existing equipment as required by law. This is a new project for this budget cycle.

Santa Ana River Discharge Pad - Upper Feeder

Severe storm events eroded the north slope of the Santa Ana River near the Upper Feeder crossing. This damage resulted in large voids in the riverbank to the footing supporting the bridge span and the foundation of the emergency discharge bunker valve. The damage was repaired, and a recommendation was made during the repair to construct a concrete pad to prevent a reoccurrence of this type of damage. This project will construct a concrete discharging pad to prevent erosion from storms and discharge from the bunker valve.

San Gabriel Tower and Spillway Improvements

The San Gabriel Tower (SGT), 86-foot-tall free-standing with a 24-foot by 14-foot rectangular base, was constructed in 1936, north of the city of Azusa. It sits at the base of the steep and weathered San Gabriel Mountains, between the west portal of Monrovia Tunnel No. 1 and the east portal of Monrovia Tunnel No. 2. The tower is surrounded by Angeles National Forest and is adjacent to Morris Reservoir. The function of the SGT is to regulate and isolate flows from the Weymouth plant via the Upper Feeder pipeline to the Eagle Rock Control Facility located in the city of Los Angeles. It is situated between two active faults, the Sawpit and the Sierra Madre faults, which are both capable of generating a magnitude 6.5 earthquake. While the tower was designed and constructed to the codes and standards in place during the 1930s, significant advancements have been made since that time in predicting the response and performance of structures as a result of seismic ground shaking. Planned upgrades to the San Gabriel Tower include: (1) reducing the height of the tower to increase its structural stability; (2) replacing the slide gates and actuators to restore isolation capability for the Upper Feeder; (3) improving access to the tower and spillway, including the river crossing; (4) repairing the spillway's concrete; (5) stabilizing the adjacent rocky slope; and (6) installing a barrier such as new fencing or protective screen to prevent animal entry into the spillway. This project will also evaluate and repair the Morris Dam connection, which includes large needle and isolation butterfly valves, and evaluate condition of the conical plug valve at groundwater replenishment connection USG-03 before deciding to upgrade to control valves or installation of a crane system that allows safe installation of the various orifice plates to control flow.

Santa Monica Feeder Cathodic Protection

The Santa Monica Feeder is a mortar coated welded steel pipeline with a diameter of 49-inches and is approximately 4.25 miles long. The pipeline is one of the few reaches of welded steel pipe that is not yet cathodically protected. A failure of the Santa Monica Feeder would inhibit Metropolitan's ability to convey water through its system and potentially disrupt Metropolitan's ability to deliver water to several member agencies. The scope of work is to design and install a comprehensive cathodic protection system in the Santa Monica Feeder.

Santiago Control Tower Seismic Improvements

The Santiago Control Tower acts as a control and diversion facility for water supplied to the Santiago Lateral pipeline, the Santiago Lateral Spillway Discharge Pipeline, and the Lower Feeder pipeline. This project will evaluate the Santiago Control Tower's ability to resist expected seismic forces based on the latest geotechnical and geological considerations and retrofit the tower. A detailed geotechnical analysis is required to determine the structure's interaction with surrounding soil and analyze the soil stability of the structure. The structure is located close proximity to the Whittier Fault on a raised area adjacent to a slope.

Skinner Bypass Pipelines Cathodic Protection

The Lake Skinner Bypass Pipeline # 1 (97-inch diameter), Lake Skinner Bypass Pipeline #3 (49-inch diameter), and Skinner Plant effluent Conduit # 1 (7-inch diameter) alignments have portions traversing inside and outside of the Skinner Treatment Plant property. The three pipelines are dielectrically coated steel pipelines. The original impressed current cathodic protection system was installed in 1980. The system was turned off as concerns emerged about exposing prestressed pipelines to cathodic protection. In addition, several modifications to the pipelines made the existing system unsuitable for the present pipeline configurations. The existing cathodic protection system requires full rehabilitation to adequately protect the pipeline from corrosion. A failure of the feeders would inhibit Metropolitan's ability to convey water through its system and potentially disrupt Metropolitan's ability to deliver water to several member agencies. The scope of work is to design and install a comprehensive cathodic protection system in the feeders.

Soto St. Facility - Security & HVAC Replacement

The Soto Street Facility serves as the main headquarters for staff and equipment that support the Western Region Unit (WRU) Conveyance and Distribution System. The WRU Incident Command Post, located in the Administration Building, also serves as the backup Emergency Operations Center for the Eagle Rock Operations Center. The Soto Street Facility currently has two layers of access control protection during business hours: a single card reader at the outer vehicle gate, and a single contracted security guard. During periodic foot patrols of the facility, the access gate is left unmanned. In addition, the alarm system is currently inoperable, and there are no access card readers on any of the exterior building doors, which remain unlocked during business hours. There have been recent multiple security events at this facility. Finally, the existing air handling unit that serves the Soto Street Administration Building has been in service since the 1960s, when the building had a different configuration. The current HVAC system does not provide adequate airflow to all parts of the building.

This project will improve the security of the Soto Street Facility by adding access card readers and security cameras, providing security lamination to glass doors and windows, providing a fenced secure outdoor storage yard, replacing the alarm system, and upgrading the HVAC system for the Administration Building.

Upper Feeder Blow Off Structure Replacement

Blow-off structures provide a means to completely drain a pipeline for emergencies, inspections, repairs, and general maintenance. The Upper Feeder Blow-Off Structure, located in the city of Sierra Madre, discharges the Upper Feeder directly into the Little Santa Anita Wash. The valves and piping in this structure have been in service for almost 80 years and have reached the end of their service life. One valve is stuck in the closed position, and another is experiencing leakage. In addition to a variety of different sizes and configurations of pipe within the structure, the structure itself does not comply with some of the safety and design features of more modern structures. This project will replace and enhance the Upper Feeder Blow-Off Structure in order to ensure reliable dewatering capability and comply with OSHA standards. The work includes but is not limited to replacement of manhole, access ladder, and various valves and valve stem extensions; and addition of various pipe couplings, various valves, pumps, pipes, and catwalk platforms.

Wadsworth Pumping Plant Stop Logs

The Wadsworth Pumping Plant was built with 12 pump/generation units. Units 1, 5, and 9 were decommissioned to allow DVL generation to be certified as "renewable energy" by the California Energy Commission. Hydroelectric plants are required to have a nameplate capacity of 30 MW or less to be certified. At 3.3MW per unit, the nine remaining units provide a generation capacity of 29.7MW. Generated energy must be certified renewable for electric utilities to meet the requirement that 33% of their energy come from renewable resources by 2020. The stop logs would provide a means to isolate the three decommissioned pumps from the DVL forebay keeping them out of the water and dry. Isolating the pumps from water contact reduces corrosion damage to the pumps and provides flexibility in the event pump/generation units need to be re-commissioned or repaired. This project will fabricate three sets of stop logs to isolate three decommissioned Wadsworth plant generation/pumping units from the forebay. Each set of stop logs consists of three stop log sections, for a total of nine sections of stop logs to isolate three pump units.

Wadsworth Pumping Plant Fire Protection System Upgrades

The Wadsworth Pumping Plant is located near Hemet at Metropolitan's Diamond Valley Lake (DVL). The pumping plant includes 12 vertical turbine pumps that are used to pump water into DVL or to generate electricity when water flows out of DVL into the forebay/San Diego Canal. Each pump/generator has a dedicated CO2 fire suppression system to prevent fires from spreading from one unit to another. However, the system is designed so that if the fire suppression system is inactive, the pump/generator will not operate. Some components of the current fire suppression system and control panels have been in service for almost 22 years and need to be replaced. In addition, the fire alarm system for the Wadsworth building is antiquated, and replacement parts are no longer available. This project will upgrade Wadsworth's fire suppression system by: (1) replacing the existing individual CO2 fire suppression systems for the operational vertical turbine pumps, and (2) upgrading the Wadsworth building fire alarm system.

West Orange County Feeder Cathodic Protection

The West Orange County Feeder (WOCF) was constructed in 1956, and is mortar and dielectrically coated welded steel pipeline with a diameter of 43-inches and 55-inches. The pipeline is approximately 13 miles long. The WOCF connects to the cathodically protected Orange County Feeder (OCF), prestressed and steel reaches of the Second Lower Feeder (SLF), and the cathodically protected Lower Feeder (LF). The pipeline is one of the few reaches of welded steel pipe that is not yet cathodically protected. A failure of the WOCF would inhibit Metropolitan's ability to convey water through its system and potentially disrupt Metropolitan's ability to deliver water. The scope of work is to design and install a comprehensive cathodic protection system in the WOCF.

Western Conveyance and Distribution Region - Blind Flange Structures Washdown Improvements

Currently, a substantial number of blind flange pipeline access and turn-out structures in the western conveyance and distribution region do not have an accessible and reliable water connection for washdown of piping, valves, and equipment during preventive maintenance. This project will modify or enhance structures that contain blind flanges to provide washdown capabilities. This is a new project for this budget cycle.

District Housing and Property Improvements Program

Fiscal Year 2022/23 Estimate: \$12.0 million

Fiscal Year 2023/24 Estimate: \$15.7 million

Program Information: The District Housing & Property Improvements Program is comprised of projects to refurbish or upgrade workforce housing at Metropolitan to enhance living conditions to attract and retain skilled employees.

Accomplishments for FY 2020/21 and FY 2021/22

- New projects initiated:
 - CRA Kitchen and Lodging Improvements
- Major milestones achieved:
 - CRA Kitchen and Lodging Improvements – conceptual study and preliminary design completed
 - District Housing Property Improvements – assessments, conceptual and relocation studies, and preliminary design completed
 - Employee Village Enhancement - master planning, study and preliminary design for Gene, Iron Mountain, Eagle Mountain, and Hinds Pumping Plants completed

Objectives for FYs 2022/23 and 2023/24

Project	Total Project Estimate	Estimated Construction Completion	Major Milestones
CRA Kitchen and Lodging Improvements	\$ 19,000,000	2027	Begin construction at Eagle and Iron Mountain pumping plants
District Housing Improvements	\$ 72,000,000	2027	Begin construction at Gene, Iron Mountain, Eagle Mountain, and Hinds pumping plants
Employee Village Enhancement	\$ 44,000,000	2027	Begin construction at Gene, Iron Mountain, Eagle Mountain, and Hinds pumping plants

Housing & Property Improvements Project Group

CRA Kitchen and Lodging Improvements

Eagle Mountain and Iron Mountain Pumping Plants have kitchens and guest lodges that are used by staff during shutdowns and construction projects, and during extended periods of condition assessments and design of rehabilitation work. These facilities will be used frequently over the next decade as the planned rehabilitation of the 45 main CRA pumps moves forward.

The kitchen at Iron Mountain Pumping Plant has been in service for decades and while still functioning, its equipment is deteriorated and obsolete. The kitchen at Eagle Mountain Pumping Plant does not currently meet San Bernardino County Health Services' requirements for large-scale food storage, refrigeration, or handling. As a result, it has been removed from service. The 10-room guest lodge at Eagle Mountain Pumping Plant and the 16-room guest lodge at Iron Mountain Pumping Plant have both deteriorated after more than 42 years of service and require frequent short-term repairs.

An initial assessment discovered that replacement of these facilities would be more economical since renovation would require significant seismic, electrical, plumbing, and roofing upgrades to meet current codes. This project will replace the kitchen and lodge facilities with new buildings with higher capacity in preparation of increasing work to upkeep the facilities out in the desert to maintain the CRA conveyance system reliability.

District Housing Improvements

Metropolitan owns 99 houses throughout the five CRA pumping plants and rents to employees involved in operation and maintenance of the CRA. A pilot renovation of 11 houses was completed in 2019 and construction of ten new houses was completed in 2018. In the same year, the Board authorized an assessment to determine whether the best course forward was to replace or renovate the remaining 78 houses. The assessment revealed that replacement of the houses was the best option. In addition, a recent housing analysis determined that only 75 of 78 remaining houses need to be replaced at four of the five pumping plants along with construction of two maintenance and two storage buildings, one each at Eagle Mountain and Iron Mountain Pumping Plants, to support the long-term corrective and preventative maintenance activities after the houses have been replaced.

Employee Village Enhancement

Metropolitan owns houses throughout the five CRA pumping plants and rents to employees involved in operation and maintenance of the CRA. In addition, due to the remote location of the pumping plants, each of the pumping plants has an employee village to provide a sense of community and offer the residents a space away from the work areas. Amenities such as swimming pool and tennis courts are also part of these villages.

These villages and their current amenities are deteriorating due to the age and exposure to the harsh desert environment. This project will replace and enhance the village amenities at four CRA pumping plants (Hinds, Eagle Mountain, Iron Mountain, and Gene) that would focus on building a vibrant, healthy, and sustainable community for Metropolitan's staff.

Minor Capital Projects Program

Fiscal Year 2022/23 Estimate: \$8.7 million

Fiscal Year 2023/24 Estimate: \$8.0 million

Program Information: The Minor Capital Projects (Minor Cap) Program is comprised of projects, with an estimated cost of less than \$400,000, that require rapid response to address unanticipated failures, safety or regulatory compliance concerns, or to take advantage of shutdown opportunities. The Minor Cap Program authorizes the General Manager to execute projects that meet defined criteria without seeking additional Board approval.

Accomplishments for FY 2020/21 and FY 2021/22

- New projects initiated thru December 2021:
 - Forty-two projects were initiated
- Major milestones achieved thru December 2021:
 - Thirty-five projects were completed

Objectives for FYs 2022/23 and 2023/24

Project	Total Project Estimate	Estimated Construction Completion	Major Milestones
Various projects costing less than the Board approved maximum project cost * *Prior to Fiscal Year 2018/19 - \$250,000 Currently - \$400,000	\$56,000,000 for projects in open and new Minor Cap Appropriations	2027	Complete all projects within 3 years of initiation

Prestressed Concrete Cylinder Pipe (PCCP) Rehabilitation Program

Fiscal Year 2022/23 Estimate: \$51.2 million

Fiscal Year 2023/24 Estimate: \$53.2 million

Program Information: The PCCP Rehabilitation Program is composed of projects to refurbish or upgrade Metropolitan's PCCP feeders to maintain water deliveries without unplanned shutdowns.

Accomplishments for FY 2020/21 and FY 2021/22

- New projects initiated:
 - Allen-McColloch Pipeline PCCP 2021 Relining
- Major milestones achieved:
 - Completed construction
 - Allen-McColloch Pipeline PCCP 2021 Relining
 - Second Lower Feeder Reach 2
 - Second Lower Feeder Reach 8
 - Completed design
 - Allen-McColloch Pipeline PCCP 2021 Relining
 - Second Lower Feeder Reach 3A
 - Second Lower Feeder Reach 8

Objectives for FYs 2022/23 and 2023/24

Project	Total Project Estimate	Estimated Construction Completion	Major Milestones
Electromagnetic Inspections of PCCP Lines	\$ 10,000,000	Ongoing	Continue inspections in conjunction with pipeline shutdowns
Second Lower Feeder PCCP Rehabilitation - Reach 3A	\$ 26,000,000	2023	Complete construction
Second Lower Feeder PCCP Rehabilitation - Reach 3B	\$ 67,000,000	2024	Begin construction
Sepulveda Feeder PCCP Rehabilitation – Reach 1	\$ 130,000,000	2025	Complete preliminary and final design

Allen McColloch Pipeline Project Group

Allen-McColloch Pipeline PCCP Rehabilitation

The planned rehabilitation work involves lining the existing PCCP segments with steel liner pipe designed as a stand-alone pipeline which can accommodate full internal and external pressures on the line. The project includes restoring the Allen McColloch Pipeline to “As Like New Conditions” as possible. This would include relocation of all air release and vacuum valves (AR/VV) that have not already been relocated above ground and evaluating and possible replacement of sectionalizing, service connection turnout, pumpwell, AR/VV, shutoff, and blowoff valves, etc. In addition, the project includes procurement of any needed permanent or temporary right of way and evaluation and possible replacement or modification of all pressure control structures, master meters, and meter structures.

Calabasas Feeder Project Group

Calabasas Feeder PCCP Rehabilitation

The planned rehabilitation work involves lining the existing PCCP segments with steel liner pipe designed as a stand-alone pipeline which can accommodate full internal and external pressures on the line. The project includes restoring the Calabasas Feeder to “As Like New Conditions” as possible. This would include relocation of all air release and vacuum valves (AR/VV) that have not already been relocated above ground and evaluating and possible replacement of sectionalizing, service connection turnout, pumpwell, AR/VV, shutoff, and blowoff valves, etc. In addition, the project includes procurement of any needed permanent or temporary right of way and evaluation and possible replacement or modification of all pressure control structures, master meters, and meter structures.

Rialto Feeder Project Group

Rialto Pipeline PCCP Rehabilitation

The planned rehabilitation work involves lining the existing PCCP segments with steel liner pipe designed as a stand-alone pipeline which can accommodate full internal and external pressures on the line. The project includes restoring the Rialto Pipeline to “As Like New Conditions” as possible. This would include relocation of all air release and vacuum valves (AR/VV) that have not already been relocated above ground and evaluating and possible replacement of sectionalizing, service connection turnout, pumpwell, AR/VV, shutoff, and blowoff valves, etc. In addition, the project includes procurement of any needed permanent or temporary right of way and evaluation and possible replacement or modification of all pressure control structures, master meters, and meter structures.

Second Lower Feeder Project Group

PCCP Rehabilitation Valve and Equipment Storage Building

For the PCCP Program, staff procures large-diameter isolation valves and other long-lead, critical equipment and material in advance of the start of construction. Advanced procurement helps to prevent potential manufacturing or logistical delays from impacting future construction contracts. These contracts are typically scheduled with pipeline shutdowns that are coordinated with member agencies and local cities years in advance. Procuring valves in advance also ensures that the valves are available in the event of material shortages or to address an unanticipated repair. Suitable facilities are needed to store and maintain the large equipment as they will be delivered to the region over the next two to three years. This project will construct an approximately 18,200 square-foot pre-engineered metal building with a reinforced concrete slab foundation and motorized roll-up doors to protect Metropolitan's assets, enhance operational flexibility, and reduce risk of project delays for the PCCP Program.

Second Lower Feeder PCCP Rehabilitation

The planned rehabilitation work involves lining the existing PCCP segments with steel liner pipe designed as a stand-alone pipeline which can accommodate full internal and external pressures on the line. The project includes restoring the Second Lower Feeder to "As Like New Conditions" as possible. This would include relocation of all air release and vacuum valves (AR/VV) that have not already been relocated above ground and evaluating, installation of new isolation valve structures, construction of bypasses, and possible replacement of sectionalizing, service connection turnout, pumpwell, AR/VV, shutoff, and blowoff valves, etc. In addition, the project includes procurement of any needed permanent or temporary right of way and evaluation and possible replacement or modification of all pressure control structures, master meters, and meter structures.

Second Lower Feeder Rehabilitation Reach 3 Acoustic Fiber Optic PCCP Monitoring System

Prestressed concrete cylinder pipe (PCCP) is well-known in the waterworks industry to be at risk of sudden failure from loss of strength due to the breaking of pre-stressed wires. The Second Lower Feeder is included in Metropolitan's list of five PCCP pipelines slated for rehabilitation. Rehabilitation is scheduled to occur over several years to reduce the duration that a portion of the pipeline is out of service, and the work is prioritized based on the condition of the pipe. Shutdown procedures for inspections, such as complete dewatering of Second Lower Feeder, have become increasingly difficult because of operational constraints. This project will design, install, start-up, an innovative monitoring system for wire breaks using an acoustic fiber optic PCCP monitoring system on approximately 5 miles of Second Lower Feeder thereby eliminating the need for staffed pipe inspections. The fiber optic cable system is sensitive to sound that will detect wire breaks. The cable extends to a data acquisition computer that continuously "listens" for the distinct sound of wires breaking. This is a new project for this budget cycle.

Sepulveda Feeder Project Group

Sepulveda Feeder PCCP Rehabilitation

The planned rehabilitation work involves lining the existing PCCP segments with steel liner pipe designed as a stand-alone pipeline which can accommodate full internal and external pressures on the line. The project includes restoring the Sepulveda Feeder to "As Like New Conditions" as possible. This would include relocation of all air release and vacuum valves (AR/VV) that have not already been relocated above ground and evaluating and possible replacement of sectionalizing, service connection turnout, pumpwell, AR/VV, shutoff, and blowoff valves, etc. In addition, the project includes procurement of any needed permanent or temporary right of way and evaluation and possible replacement or modification of all pressure control structures, master meters, and meter structures.

PCCP - Other Project Group

Electromagnetic Inspections of PCCP Lines

All PCCP lines within the distribution system are inspected every three to seven years. The frequency is based on the condition and history of repairs for each feeder. Three cycles of electromagnetic testing have been completed to date on Metropolitan's PCCP feeders. This project will perform the fourth cycle of inspections over the next eight years. Planned activities for the inspections include: scheduling and coordination of shutdowns; conducting the electromagnetic inspections; conducting internal visual inspections; shutting down and dewatering the feeders and returning them to service; analyzing the inspection results; and preparing comprehensive inspection reports.

Foothill Feeder Acoustic Fiber Optic PCCP Monitoring System

Prestressed concrete cylinder pipe (PCCP) is well-known in the waterworks industry to be at risk of sudden failure from loss of strength due to the breaking of pre-stressed wires. Currently, staff must dewater the Foothill Feeder in order to inspect the pipeline's condition manually. The proposed project installs an innovative acoustic fiber optic system that will provide continuous condition monitoring over approximately 11 miles of the Foothill Feeder without having to dewater and enter the pipeline, along with other associated monitoring work. This is a new project for this budget cycle.

West Valley Feeder No 1 PCCP Rehabilitation

An electromagnetic inspection conducted in April 2021 identified an increase in wire breaks since the previous 2014 inspection of the 54-inch Prestressed Concrete Cylinder Pipe (PCCP) portion of the West Valley Feeder No. 1. The planned rehabilitation work involves lining the existing PCCP segments with steel liner pipe designed as a stand-alone pipeline which can accommodate full internal and external pressures on the line and replacing any identified damaged lining in non-PCCP segments. The project includes restoring the West Valley Feeder No. 1 from approximately Station 1277+27.68 to the De Soto Avenue Sectionalizing Structure at Station 1290+16.70 to "as like new condition." This is a new project for this budget cycle.

Regional Recycled Water Program

Fiscal Year 2022/23 Estimate: \$ 3.9 million

Fiscal Year 2023/24 Estimate: \$16.0 million

Program Information: The Regional Recycled Water Program includes the design and construction of the Advanced Water Treatment Demonstration Plant, which represents the initial step in development of a potential regional recycled water system for recharge of groundwater basins within Southern California. The biennial budget separately includes \$15 million per year for RRWP planning and design costs.

Accomplishments for FY 2020/21 and FY 2021/22

- Major milestones achieved:
 - Demonstration Plant Direct Potable Reuse Modifications – design initiated

Objectives for FYs 2022/23 and 2023/24

Project	Total Project Estimate	Estimated Construction Completion	Major Milestones
Demonstration Plant Direct Potable Reuse Modifications	\$ 18,000,000	2025	Complete preliminary and final design

Regional Recycled Water - All Project Group

Demonstration Plant Direct Potable Reuse Modifications

Metropolitan's Advanced Water Treatment Plant (AWT) at the Joint Water Pollution Control Plant (JWPCP) in Carson was designed to demonstrate testing of potential treatment processes for Indirect Potable Reuse (IPR) applications. This project will expand Metropolitan's existing process train to accommodate testing of potential Direct Potable Reuse (DPR) treatment options for regulatory acceptance of a DPR treatment train for full-scale implementation, as part of the Regional Recycled Water Program (RRWP). Additional treatment processes will be implemented for chemical use, pathogen inactivation, and testing in accordance with the latest DPR framework provided by the California Division of Drinking Water.

Right-of-Way and Infrastructure Protection Program

Fiscal Year 2022/23 Estimate: \$7.8 million

Fiscal Year 2023/24 Estimate: \$3.8 million

Program Information: The Right-of-Way Infrastructure Protection Program (RWIPP) is comprised of projects to refurbish or upgrade above-ground facilities and right-of-way along Metropolitan's pipelines in order to address access limitations, erosion-related issues, and security needs.

Accomplishments for FY 2020/21 and FY 2021/22

- Major milestones achieved:
 - Completed preliminary design:
 - Los Angeles Region – Stage 1 Improvements
 - Orange County Region – Stage 3 Improvements
 - Completed final design:
 - Orange County Region - Stage 1 Improvements
 - Western San Bernardino Region – Stage 1 Improvements
 - Completed construction
 - Orange County Region - Stage 1 Improvements

Objectives for FYs 2022/23 and 2023/24

Project	Total Project Estimate	Estimated Construction Completion	Major Milestones
Right-of-Way Infrastructure Protection Program - Western San Bernardino County Operating Region (Stage 1)	\$ 6,700,000	2023	Complete construction
Right-of-Way Infrastructure Protection Program – Los Angeles County Operating Region	\$ 9,300,000	2025	Begin construction of Stage 1

Los Angeles Region Project Group

Right-of-Way & Infrastructure Protection - Los Angeles County Region

This project identifies and addresses right-of-way and security issues; identifies and executes needed improvements within the Los Angeles County Operating Region; prepares environmental documentation; acquires regional programmatic environmental permits; and monitors and reports to permitting agencies for ten years following completion of construction. In order to expeditiously complete this project, sites within this region are grouped and prioritized and staged for construction depending on the site requirements.

Orange County Region Project Group

Right-of-Way & Infrastructure Protection - Orange County Region

This project identifies and addresses right-of-way, access, and security issues; identifies and executes needed improvements within the Orange County Operating Region; prepares environmental documentation; acquires regional programmatic environmental permits; and monitors and reports to permitting agencies for ten years following completion of construction. In order to expeditiously complete this project, sites within this region are grouped and prioritized and staged for construction depending on the site requirements.

Riverside/San Diego Region Project Group

Right-of-Way & Infrastructure Protection Program - Riverside and San Diego County Region

This project identifies and addresses right-of-way, access, and security issues; identifies and executes needed improvements within the Riverside and San Diego County Operating Region; prepares environmental documentation; acquires regional programmatic environmental permits; and monitors and reports to permitting agencies for ten years following completion of construction. In order to expeditiously complete this project, sites within this region are grouped and prioritized and staged for construction depending on the site requirements.

Western San Bernardino Region Project Group

Right-of-Way & Infrastructure Protection Program - Western San Bernardino County Region

This project identifies and addresses right-of-way, access, and security issues; identifies and executes needed improvements within the Western San Bernardino County Operating Region; prepares environmental documentation; acquires regional programmatic environmental permits; and monitors and reports to permitting agencies for ten years following completion of construction. In order to expeditiously complete this project, sites within this region are grouped and prioritized and staged for construction depending on the site requirements.

RWIPP - Other Project Group

Right-of-Way & Infrastructure Protection Program - Colorado River Aqueduct

The Right-of-Way Infrastructure Protection Program (RWIPP) identifies, prioritizes, and executes site improvements throughout Metropolitan's service area. This project encompasses site improvements along the CRA and addresses access limitations, erosion-related improvement work, and security needs along the surface of the CRA's rights-of-way. Under the initial stage of the program, site improvements needed along the CRA will be identified, a comprehensive regional compliance and permitting program will be developed, and a programmatic environmental document will be prepared to secure environmental approval for multiple projects along the CRA rather than pursuing individual approvals on a project-by-project basis. This project will add the CRA to the RWIPP, which already includes the Orange County, Western San Bernardino, Riverside/San Diego, and Los Angeles operating regions.

Right-of-Way & Infrastructure Protection Program - Property Acquisition

The scope of this project includes procurement of right-of-way or property to support access or needed repairs to pipelines and facilities. Activities include developing conceptual solutions, layout drawings, and final design criteria of needed improvements; preparing pre-appraisal documentation for acquisition of easements and right-of-way; conducting field surveys and topographic mapping; ordering and reviewing title reports and supporting recorded documents; initiating consultations with permitting agencies for required permits; preparing legal descriptions, exhibit maps, and other exhibits as needed for acquisition planning, permits, and real estate negotiations; completing right-of-way mapping and preparing Record of Survey maps to be filed with the county of origin; and setting monuments and witness posts.

System Flexibility/Supply Reliability Program

Fiscal Year 2022/23 Estimate: \$31.6 million

Fiscal Year 2023/24 Estimate: \$40.6 million

Program Information: The System Flexibility/Supply Reliability Program is comprised of projects to increase the capacity and flexibility of Metropolitan's water supply and delivery infrastructure to meet service demands. Projects under this program address climate change affecting water supply, regional drought, and alternative water sources for areas dependent on State Project Water.

Accomplishments for FY 2020/21 and FY 2021/22

- New projects initiated:
 - Delta Properties Infrastructure Improvements
 - Inland Feeder - Citrus Reservoir and Pump Station Intertie
 - Inland Feeder - Rialto Pipeline Intertie
 - New Westside Pump Stations
 - Wadsworth Pump Discharge to Eastside Pipeline Bypass
- Major milestones achieved:
 - Completed construction:
 - Greg Avenue Pump Station Rehabilitation
 - Delta Properties Infrastructure Improvements - Completed installation of first eight flow meters
 - Completed design
 - Perris Valley Pipeline - Tunnels

Objectives for FYs 2022/23 and 2023/24

Project	Total Project Estimate	Estimated Construction Completion	Major Milestones
Delta Islands Pump Station Rehabilitation	\$ 5,600,000	2024	Complete design
Delta Properties Infrastructure Improvements	\$ 960,000	2024	Complete construction
Delta Smelt and Native Species Preservation Wetlands	\$ 2,700,000	2024	Complete design and construction
Inland Feeder – Citrus Reservoir and Pump Station Intertie	\$ 23,700,000	2026	Complete design
Inland Feeder – Rialto Pipeline Intertie	\$ 2,200,000	2023	Complete construction
Perris Valley Pipeline - Tunnels	\$ 79,000,000	2025	Begin construction
Wadsworth Pump Discharge to Eastside Pipeline Bypass	\$ 11,400,000	2023	Complete construction

System Flexibility/ Supply Reliability - All Project Group

Delta Islands Pump Station Rehabilitation

In 2016, Metropolitan purchased four islands/tracts (about 20,000 acres) in the central Delta: Bacon and Bouldin Islands, and Holland and Webb tracts islands. Collectively, these lands represent a crucial part of the Delta for multiple potential values that are consistent with the State's co-equal goals of ecosystem restoration and water supply reliability for California. As part of this purchase, each property has an existing infrastructure that contains a system of individual siphons that bring diverted river water onto the property irrigation canals that conveys excess water by gravity to pump stations to be pumped off the property to prevent flooding. This project will rehabilitate and upgrade aging pump stations to increase system reliability and minimize the service disruption that could result in loss of revenue if tenant operations are impacted. This is a new project for this budget cycle.

Delta Properties Infrastructure Improvements

California State Senate Bill (SB 88) requires monitoring and reporting of certain diversions within the Delta. Metropolitan's Delta properties will need to comply. This project will investigate existing diversion points, identify permanent flow meter locations, coordinate with the Delta Watermaster, and install approximately 88 or more meters with telemetry and support equipment. First eight flow meters were installed during FY 2020/21. Next set of 25 flow meters are planned to be installed during FY 2021/22, and rest of the flow meters are planned to be installed during the following two years.

Delta Smelt and Native Species Preservation Project

The Delta Smelt is a small, euryhaline fish species endemic to the San Francisco Estuary. Since the 1980s, the Delta Smelt population has exhibited a decline in abundance leading to it being listed as endangered under the California Endangered Species Act, which may potentially create additional regulatory operational constraints on water exports for state and federal water contractors. Metropolitan will work with multiple state and federal government agencies and researchers from UC Davis to advance research objectives through multiple collaborative study efforts. This project will utilize natural pond habitats located on tracts of land within the Delta to construct tule marsh wetlands, supplementation ponds, and associated hydraulic water conveyance systems including irrigation ditches and potential groundwater wells to address issues and questions including methods for successful reintroduction. This project also includes an evaluation to determine which of Metropolitan's Delta Islands would be the most suitable location for the project. Other goals related to this project could involve use of floating peat wetlands, setting back the existing levee, and reintroduction of tidal energy gradients. This is a new project for this budget cycle.

Etiwanda Pump Station

This project will construct a pump station to enable Metropolitan to pump CRA water from the Upper Feeder to the Rialto Pipeline in case of a disruption of supplies from the East Branch due to severe drought or earthquake. This project will include construction of new interconnecting pipeline, new suction and discharge manifolds, valves, electrical power and control facilities, and other features necessary to support the pump station. The Etiwanda Pipeline extends in a north-south direction for approximately 6.5 miles and connects the Rialto Pipeline with the Upper Feeder to provide the feeder with State Project Water (SPW). The Etiwanda Reservoir and Hydroelectric Plant (HEP) were constructed to generate power as the water is conveyed. This is a new project for this budget cycle.

Groundwater Well Rehabilitation and Treatment

This project will take groundwater wells owned and operated by Metropolitan's member agencies or their sub-agencies and rehabilitate them and/or to construct new groundwater wells to increase local groundwater production in Metropolitan's service area. Local groundwater supplies within Metropolitan's service area are currently underutilized due to contamination, political constraints, or cost concerns. This project will also add water treatment systems where needed to treat contaminated groundwater. Addition of the treatment systems will be primarily focused for State Project Water (SWP) dependent areas. This project will improve resiliency against severe drought or earthquake and reduce dependency on imported water supplies. This is a new project for this budget cycle.

Hayfield Groundwater Storage and Extraction

This project will improve the spreading basin and construct a well field extraction and conveyance system to withdraw stored CRA water and discharge it back into the CRA at the Hinds Pumping Plant. The initial stage of the project will focus on installing a limited conveyance system capable of extracting the 100,000 acre-ft stored in the Hayfield Groundwater Basin. This stage will include a groundwater well installation, pump and motor, and approximately 1,500 feet of small diameter pipe. The Hayfield basin is located south of the Julian Hinds Pumping Plant, adjacent to the CRA. The project will improve drought resilience and enhance reliability of CRA operation. This is a new project for this budget cycle.

Inland Feeder-Citrus Reservoir and Pump Station Intertie

This project will construct an intertie between the Inland Feeder and a San Bernardino Valley Municipal Water District (SBVMWD) and Department of Water Resources (DWR) pump station. The intertie will include pipelines, valve vaults with valves, electrical and control systems, and other features necessary to support the intertie operation. Construction of an intertie between the Inland Feeder and a SBVMWD and DWR pump station would enable Metropolitan to deliver water from DVL to the Rialto Pipeline service area. After completion of this project along with completion of Inland Feeder-Rialto Pipeline Intertie and Wadsworth Pump Discharge Eastside Pipeline Bypass, up to 160 cfs will be able to be delivered from Diamond Valley Lake to the Rialto Pipeline. This project will improve resiliency against severe drought or earthquake by providing the Rialto Pipeline region a second source of water besides State Water Project (SWP) supplies.

Inland Feeder-Rialto Pipeline Intertie

This project will construct an intertie pipeline between the Inland Feeder and the Rialto Pipeline south of Department of Water Resources (DWR) Devil Canyon. The intertie will be approximately seven feet in diameter and 200 feet long, and will include a large diameter valve, meter, and valve and meter structures, and other features necessary to support the intertie operation. Currently flows from the Inland Feeder must pass through higher elevation DWR facilities which reduces flow and expends more energy. An intertie will allow delivery of up to 60 cfs of water from San Bernardino Valley Municipal Water District (SBVMWD) and DWR via a water exchange program. After completion of this project along with completion of Wadsworth Pump Discharge Eastside Pipeline Bypass and Inland Feeder-Citrus Reservoir and Pump Station Intertie, up to 160 cfs will be able to be delivered from Diamond Valley Lake to the Rialto Pipeline. This project will improve resiliency against severe drought or earthquake by providing the Rialto Pipeline region a second source of water besides State Water Project (SWP) supplies.

La Verne Pipeline & Weymouth Plant Intertie and Upper Feeder Modification

This project will provide an alternate source of supplies for groundwater replenishment at Service Connection USG-03. USG-3 is a replenishment connection located at the end of the Glendora Tunnel and is typically fed by the Rialto Feeder/Live Oak Reservoir, which is untreated State Project Water (SPW). In times of low SPW supplies, an alternative connection from CRA supplies will allow continued delivery of supplies. This project may include an intertie between the Weymouth plant and the La Verne Pipeline, and modification of a blow-off and/or air release & air vacuum valve on Upper Feeder near Azusa Canyon, and other features necessary to provide an alternate source of supplies at USG-3. This project will improve resiliency against severe drought or earthquake. This is a new project for this budget cycle.

Lake Perris Seepage Water Conveyance Pipeline

Metropolitan and Department of Water Resources (DWR) have partnered to design and construct facilities to capture and convey Lake Perris leakage water to the CRA. DWR will design and construct a seepage collection wellfield near the foot of the Lake Perris Dam, and this project will design and construct a conveyance pipeline extending from the DWR wellfield to the CRA.

New Westside Pump Stations

This project will construct a new or expand existing pump stations to convey approximately 100 cfs of CRA water into areas reliant on State Project Water (SPW). This may involve constructing two new pump stations, one at Venice PCS and one at Sepulveda Canyon PCS or expanding pumping capacity at the Greg Avenue Pump Station or some other facilities. Project elements will include pipelines, vertical or horizontal pumps, motors, interconnection piping to the Sepulveda Feeder; valve control structures; mechanical equipment for surge control; electrical modifications; and a small building at each site. This project will improve resiliency against severe drought and seismic events in the west side of Metropolitan's service area by mitigating the reduction in State Water Project (SWP) supplies.

Perris Control Facility & Hydroelectric Plant Upgrades

The Lake Perris Control Facility (LPCF) includes a pressure control structure, pump back system with four electric and two diesel pumps, and a hydroelectric plant. This facility controls flows from delivered from the Department of Water Resources Silverwood Reservoir located at Devil's Canyon, and Lake Perris to the Lakeview Pipeline. To improve Mills Plant reliability, water from Diamond Valley Lake and Inland Feeder can be delivered to Mills plant by gravity flow but would require some modifications to the Lake Perris Control Facility's pressure control structure and HEP. The project will upgrade the LPCF systems to handle the maximum head of 1934 feet (from the Inland Feeder) by upgrading components of the pressure control structure and replacement of the hydroelectric plant.

Perris Valley Pipeline – Tunnels

The objective of the Perris Valley Pipeline is to supply additional water deliveries from Mills plant to EMWD and WMWD per their request. Construction of this 6.5-mile-long pipeline was initiated in 2007, to be implemented under two contracts: the North Reach consisting of 2.7 miles of pipeline and two service connections (WR-24 and EM-23), and the South Reach consisting of 3.8 miles of pipeline and two additional service connections (WR-35 and EM-24). In 2009, the North Reach was completed and placed in service. In 2010, 3.3 miles of the South Reach were completed. The Perris Valley Pipeline Interstate 215 Crossing project will complete a remaining half-mile-long section approximately midway along the South Reach and enable placing the South Reach in service. This project consists of construction of an approximate 1,700-foot-long tunnel and tie-ins to the previously constructed reaches.

Rialto Pipeline and Mills Plant Pump Station

Several service connections within Metropolitan's service area rely on State Water Project water supplies to deliver water. One such area is along the Rialto Pipeline. This project will enable backup water supply deliveries from the Colorado River Aqueduct (CRA) or Diamond Valley Lake (DVL) to these areas. It will allow more operational flexibility by enabling DVL or CRA water to be delivered to the Rialto Pipeline as well as the Mills plant, and will also enhance reliability in a seismic event or during planned shutdowns. This new pump station at PC-1 control structure, which will include pumps, valves, suction and discharge manifolds, interconnection pipelines, and electrical power and control facilities, may be constructed to also serve as a power generation facility. After completion of this project along with the Wadsworth Pump Discharge to Eastside Pipeline Bypass and the Inland Feeder-Rialto Pipeline Intertie, water from both the CRA and from DVL can be delivered to both the Rialto Pipeline and to the Mills plant. The Pump Station will meet the future demands of both Mills and Rialto Pipeline service areas. This is a new project for this budget cycle.

Service Area Interconnection Enhancement

This project will construct new or enhance existing water delivery and treatment infrastructure between Metropolitan and its member agency systems and between the member agency and sub-agency systems to reduce SWP reliant areas and provide increased flexibility for future long-term shutdowns. This infrastructure may include but are not limited to service connections, pipelines, pump stations, and treatment facilities. This project will improve resiliency against severe droughts or earthquakes. This is a new project for this budget cycle.

Wadsworth Pump Discharge to Eastside Pipeline Bypass

This project will construct a bypass pipeline connecting the Wadsworth Pumping Plant discharge pipeline to the Eastside Pipeline to allow continuous pumping from the Diamond Valley Lake (DVL) forebay to supply DVL water to the Mills plant and the Rialto Pipeline via PC-1 Pump Station in case of a supply disruption from the State Water Project's (SWP) East Branch due to severe drought or earthquake. The bypass will be approximately seven feet in diameter and 700 feet long and will include a large diameter valve with a valve structure, and other features necessary to support the bypass operation. In addition, a surge tank system will be installed to protect the Inland Feeder from pressure surges. After completion of this project along with completion of Inland Feeder-Rialto Pipeline Intertie and Inland Feeder-Citrus Reservoir and Pump Station Intertie, up to 160 cfs will be able to be delivered from Diamond Valley Lake to the Rialto Pipeline. The Wadsworth Pumping Plant is located near Hemet at DVL. The pumping plant includes 12 vertical turbine pumps that are used to pump water into DVL or to generate electricity when water flows out of DVL into the forebay/San Diego Canal.

System Reliability Program

Fiscal Year 2022/23 Estimate: \$48.5 million

Fiscal Year 2023/24 Estimate: \$37.7 million

Program Information: *The System Reliability Program is comprised of projects to improve or modify facilities located throughout Metropolitan's service area in order to utilize new processes and/or technologies and improve facility safety and overall reliability. These include projects related to Metropolitan's Supervisory Control and Data Acquisition (SCADA) system and other Information Technology projects.*

Accomplishments for FY 2020/21 and FY 2021/22

New projects initiated:

- Applications-Servers Upgrade from Old Windows OS
- Arc Flash Software Model Development
- Enterprise GIS Disaster Recovery
- Etiwanda Test Facility
- Headquarters Building Physical Security Improvements - Stage 2
- HQ HVAC System Equipment Upgrades – Phase 1
- Information Technology Service Management System
- Two-Way Radio System Upgrade
- Weymouth Area Paving

Major milestones achieved:

- Business Systems Disaster Recovery Upgrade – deployment completed
- Control System Upgrade – Phases 1 & 2 - completed
- Data Center Modernization Upgrade Phase I – backup data center completed
- Information Technology Service Management System – deployment completed
- Information Technology System – Communication Infrastructure Reliability Upgrade – deployment completed
- IT Network Reliability Upgrades – deployment completed
- La Verne Shops Improvements – Equipment Installation and Building Completion – design completed
- Lake Mathews Facility Wastewater System Replacement – construction started
- Lake Mathews IT Disaster Recovery Facility Upgrades – deployment completed
- Maximo Upgrade – deployment completed
- MWD HQ Boardroom Technology Upgrade – deployment completed
- Skinner Area Paving– construction started
- Water Ordering and Energy Scheduling System – deployment completed

Objectives for FYs 2022/23 and 2023/24

Project	Total Project Estimate	Estimated Construction Completion	Major Milestones
AMR System RTUs and Radio Modem Upgrade Project	\$ 13,000,000	2023	Complete deployment
Applications-Servers Upgrade from Old Windows OS	\$ 2,800,000	2024	Complete deployment
Control System Upgrade - Phase 4	\$ 6,400,000	2024	Begin Phase 4
Data Center Backup Infrastructure Upgrade	\$ 1,600,000	2022	Complete deployment
Data Center Modernization Upgrade	\$ 8,800,000	2022	Complete Phase 2 deployment
Desert Microwave Tower Site Upgrades	\$ 8,100,000	2024	Complete design and begin construction
Enterprise Data Analytics	\$ 3,300,000	2022	Complete deployment of pilot
Enterprise GIS Disaster Recovery	\$ 300,000	2022	Complete deployment
Fuel Management System Upgrade	\$ 1,300,000	2022	Complete deployment
La Verne Shops Improvements - Equipment Installation and Building Completion	\$ 14,000,000	2023	Complete construction
Maximo Mobile Upgrade	\$ 500,000	2022	Complete deployment
Security Operation Center	\$ 4,500,000	2022	Complete construction
Two-Way Radio System Upgrade	\$ 7,700,000	2022	Complete deployment of pilot
Headquarters Building Improvements	\$ 78,600,000	2022	Complete construction
WiFi Upgrade	\$ 5,300,000	2022	Complete deployment at Headquarters

IT/SCADA - Infrastructure Project Group

AMR System RTUs and Radio Modem Upgrade

The Automatic Meter Reading (AMR) system is a critical component for transmitting meter information to allow for billing of member agency water deliveries and analysis of official meter instrumentation. The current system was mostly installed between 2008 and 2009. Portions of the AMR System must be updated because of equipment obsolescence and diminishing vendor support, as they are approaching their end of life. This project is planned to be completed in three phases. The first phase consists of a pilot study to evaluate various communication technologies, field test each of the selected communication technologies, and installation of 900 MHz radio modems and master radio station near Garvey Reservoir. The second phase consists of replacement of the remaining radio modems and radio master stations. The third phase consists of replacement of the AMR Remote Terminal Units (RTUs), operator interface terminals, digital displays, configuration laptops, battery chargers for Uninterruptible Power Supply (UPS), associated networking equipment and servers, and other appurtenances to complete the upgrades. It is anticipated that the Control System Upgrade Conceptual Design project (Phase 2 of the Control System Upgrade) will recommend that the technology used in the AMR system be made consistent with the technology used in the SCADA (Supervisory Control and Data Acquisition) system. Thus, the third phase (AMR RTUs) will be started after the Control System Upgrade Phase 4 (final design) is initiated.

Applications-Servers Upgrade from Old Windows OS

A significant number of Metropolitan's systems, including a number of critical enterprise-level business and water applications, are currently running on outdated Microsoft Windows platforms (e.g., Windows 2003, 2007, and 2008). These platforms are either already no longer being supported or will shortly cease to be supported by the Microsoft Corporation. Microsoft's support includes software updates and security-related patches to fix technical issues and mitigate potential new security risks. Losing these software and security updates will increase cyber-security risks for the unsupported platforms. This project will upgrade all older application environments to Windows 2016. Phase 1 of the project will identify and document required changes, and will group applications into four deployment waves. Phase 2 will deploy the upgrades on each of the four groups identified in Phase 1.

Arc Flash Software Model Development

An arc flash is the light and heat produced from an electric arc supplied with enough electrical energy to cause substantial damage, harm, fire, or injury. Arc flash risk analysis is required per National Fire Protection Association (NFPA), National Electrical Code (NEC), and Occupational Safety and Health Administration (OSHA) standards. Metropolitan currently uses a generic tabular approach to quantify the arc flash hazard; this approach is no longer in compliance with the latest NFPA 70E standards. Comprehensive modeling that considers the effects of the surrounding equipment and accurately identifies the arc flash hazards is now required. This project will develop software models for Metropolitan facilities that are susceptible to arc flash hazards. The models will provide complete and consistent information that will identify equipment improvements to improve safety and to meet regulatory compliance. This project will also install arc flash labels for all equipment required to be labeled per the NFPA standards.

Asset Monitoring and Management System

This project will establish the foundation for leveraging data already maintained by Metropolitan (under multiple different software platforms) into a common framework in order to efficiently conduct future infrastructure reliability projects and assessments across Metropolitan. This project is needed to support a common condition monitoring framework across Engineering Services (ESG) and Water System Operations (WSO) groups, as well as to support condition-based maintenance initiatives as part of General Manager's initiatives and WSO's business plan.

This project includes building software tools to access and aggregate ESG, WSO, and other asset-related data, such as data from finance, to facilitate infrastructure reliability investigations on one class of assets (revenue meters). Eventually, the software tools developed as a part of this project will be used for future condition assessments in ESG and WSO.

Asset Monitoring System Stage 1 Conveyance and Distribution

Currently, asset condition and performance data are maintained in multiple data systems. At times, data is redundant, not consistent, or missing resulting in delays in decision making and increased uncertainty. This project will create an integrated dashboard interface inter-connected with existing disparate data systems and utilize geographic information system (GIS) functionality to visualize key information related to asset health, condition, performance, location, and other key data in the conveyance and distribution system. Subsequent stages will address treatment plants, reservoirs, power transmission lines, support facilities, communication sites, fleet, real property, and advanced water purification. This is a new project for this budget cycle.

CIP Budgeting System Improvements

The Capital Investment Plan (CIP) process has been in place for over 20 years and since inception, the process has been largely manual. The scope of this project is to consolidate the CIP proposal, risk form, and cash flow form into one seamless single proposal form. This project will also create a new evaluation form, which will be designed to leverage the available historical evaluation data, new scores suggested by the proposal form, and risk/consequence data to provide a clearer reference of information when evaluating projects. This project will reduce staff time to generate proposals and required CIP documents, and also reduce the scoring efforts. This is a new project for this budget cycle.

Control System Upgrade

Metropolitan's control system spans the CRA, Metropolitan's five water treatment plants, and the entire conveyance and distribution system. The system-wide control system upgrade is planned to be implemented in a phased approach through the following projects to upgrade hardware, software, and a communications network. Currently, the phases are planned to consist of the following projects:

- Phase 1 - Preliminary investigations
- Phase 2 - Conceptual design of the new control system
- Phase 3 - Selection and demonstration testing
- Phase 4 - Final Design of Mills Area
- Phase 5 - Implementation Mills Area
- Phase 6 - Final Design of Skinner Area
- Phase 7 and later - Continued final design and installation/construction of the new control system in multiple staged contracts

Data Center Backup Infrastructure Upgrade

Critical business and water applications rely on backup processes to restore the applications as soon as possible in an emergency. As Metropolitan's data volume progressively increases, so does the duration of the processes to backup, restore, and recover operations. Metropolitan's current backup software was deployed 15 years ago and uses magnetic tape as the storage medium. This project will replace the backup infrastructure with newer and faster technology and will redesign the backup/restore processes and procedures using the latest components of the backup software.

Data Center Modernization Upgrade

The purpose of this project is to assess, redesign, and upgrade the MWD Headquarters (HQ) and Lake Mathews data centers to provide sufficient computing power and modernize the data centers to meet current and future capacity, security, and reliability needs. This project will conduct a detail assessment, design, and relocate the HQ and Lake Mathews data centers to improve security and reliability.

Desert Microwave Tower Site Upgrades

This two-phase project will improve the reliability, performance, and capacity to Metropolitan's microwave radio wide-area-networks (WANs). Phase 1 will address the most critical components that need to be replaced or upgraded in the Desert Region microwave tower sites. Phase 2 will upgrade the remainder of the sites throughout Southern California. Lessons learned from the Diamond Valley Lake (DVL) microwave proof-of-concept will be used in this project. The microwave network uses wireless transmission over radio frequency energy in the 6-18 Giga Hertz range.

Distribution System Online Analyzers Replacement

Online analyzers continuously monitor water quality in the treated water distribution system and help ensure that safe reliable water reaches our member agencies. They provide prompt indication of water quality issues and an early warning to allow actions to be taken to minimize impacts. The existing online analyzers are almost 20 years old and have exceeded their typical service life. They are outdated, no longer sold or supported by vendors, and replacement parts are becoming increasingly difficult to obtain. At approximately 23 locations, this project will (depending on the location): decommission existing analyzers; install chlorine, turbidity, UV and total ammonia analyzers; install conductivity and pH probes; and install prefabricated sheds. This is a new project for this budget cycle.

Engineering Information System Upgrade

The goal of this project is to upgrade ProjectWise (Engineering's Information System) to the latest version, install and configure additional ProjectWise modules, and integrate ProjectWise with other Metropolitan systems such as DocuSign, Outlook, SharePoint, and Deliverables Management to implement additional functionalities in ProjectWise. The intent is to streamline the workflow in Engineering design and improve access to information and documents in ProjectWise.

Enterprise Asset Planning System

Currently, short-term asset renewals are addressed by staff submitting Capital Investment Plan (CIP) proposals that identify upcoming needs to maintain a reliable system. This project will acquire a software application and implement a comprehensive solution to forecast long-term asset lifecycle costs. The resulting decision support tool will support the strategic planning for renewal of Metropolitan assets based on condition, performance, outage constraints, staff resource limitations, planned budget, shutdown schedules, relative value, and risk. This is a new project for this budget cycle.

Enterprise Data Analytics

Building an Enterprise Data Warehouse & Analytics to answer both operational and strategic questions facing Metropolitan. The Data Warehouse will be built of individual data marts modeling a specific business area providing integrated reporting through Extract/Transform/Load (ETL) procedures and common dimensions. This Enterprise Data Warehouse will contain both business and operational data. It will be designed to combine these two data types in order to provide a financial dimension to operational data. By linking data like EBS (Financial), SCADA, GIS and Water Supply/Demand, staff can model different scenarios to answer questions and to discover trends and anomalies previously not visible due to isolated reporting.

Enterprise GIS Disaster Recovery

This project will add the Enterprise GIS (EGIS) infrastructure to the Metropolitan IT Disaster Recovery Facility (DRF) in Riverside County. This includes the purchase, installation, and configuration of new hardware and software to meet Business Impact Analysis (BIA) study requirements for the EGIS infrastructure. The current recovery time for EGIS infrastructure is estimated at greater than a week. The BIA Recovery Time Objective (RTO) for the EGIS infrastructure is less than 72 hours, meaning that the EGIS infrastructure should be functional within 72 hours after an outage. This project will reduce the RTO for the EGIS infrastructure from 72 hours to 1 hour, so that EGIS data could potentially be used to assist in emergency operations.

Fiber Installation at Iron Mountain, Eagle Mountain, and Hinds Pumping Plants

Metropolitan currently relies on microwave radio equipment to provide a voice and data communication backbone for the business network, the Supervisory Control and Data Acquisition (SCADA) network, Automated Meter Reading (AMR), and two-way radio network. Information Technology Group's strategic vision is for more reliable fiber optic cables to become the primary communications path connecting all desert sites. This project will connect Iron Mountain, Eagle Mountain, and Hinds Pumping Plants to the public telecommunications network using fiber optic cable thereby enhancing reliability and increasing bandwidth of communications for desert facilities. The fiber optic would follow the paths of existing power transmission lines and terminate in the areas near switchyards and will require repeater stations. A separate project to install a fiber optic line from Gene Pumping Plant to Parker Dam is scheduled for completion in 2023. This is a new project for this budget cycle.

Fuel Management System Upgrade

This project's objective is to upgrade the twelve-year-old Fuel Management System (FMS), which is no longer supported by the manufacturer. The FMS provides essential management controls over fuel inventories, dispensing, and security. It identifies and authorizes the dispensing of fuel and records fuel transactions and fuel tank data in a centralized database. This project will replace the necessary hardware and software to upgrade the FMS and to integrate it with Metropolitan's Computerized Maintenance Management System (CMMS), Maximo.

Gene Communication System Upgrade

Metropolitan's microwave radio wide-area network (WAN) was constructed in the late 1990s and is approaching the end of its useful service life. The network is comprised of 72 transmission tower sites located throughout Southern California, including 24 which support the CRA. It transmits telephone, voice, data, and video communication between all Metropolitan facilities, utilizing point-to-point microwave transmission. While microwave transmission is highly effective, it is limited to line-of-sight propagation; thus, it cannot pass through mountains or other similar obstacles.

Gene Pumping Plant relies on a microwave tower at Black Metal Mountain and does not have a redundant site to support the plant if the system at Black Metal Mountain were to fail. Furthermore, the desert region now requires high-capacity carrier-grade communication links to provide reliable data, voice, and video transmission to support the need of new IT and supervisory control and data acquisition system (SCADA) infrastructures. The type of information that rely on this network are real-time data from the supervisory control and data acquisition system, automated meter reading system, security cameras and teleprotection, and system alarms to Metropolitan's control facilities, and provides access at remote sites to the email, geographical information system, Oracle financial, timekeeping, and PeopleSoft applications. This project will install approximately 22 poles and two miles of fiber optic cable from Parker Dam to Gene Pumping Plant administration building to connect to high-quality, high-speed data system to improve a variety of technological challenges at the desert facilities.

Hydraulic Model Enhancements

Metropolitan uses its current state-of-the industry hydraulic model daily in support of operational and facility planning requests. While the model has significant hydraulic simulation capabilities, this project proposes to enhance the software to better address water quality analyses, hydroelectric power plant power production estimating, hydraulic surge transient analysis, flood simulations, and other studies. The proposed enhancements also include storing this information on the cloud for improved data access. This is a new project for this budget cycle.

Hydraulic Modeling Analysis Toolkit and Water Quality Calibration

Metropolitan's Engineering Services Group completed development of a system-wide hydraulic model in January 2017 after a multi-year development effort. Even while model development was still underway, many uses for the hydraulic model were identified. This project includes developing tools to support hydraulic model analysis to increase efficiency and enhance productivity while using the hydraulic model for analysis. The project also includes development and calibration of water quality modeling capabilities.

Maximo Mobile Interface Software

Metropolitan uses Maximo software to schedule, plan, and execute maintenance work. Currently, Maximo web-based software is not designed for mobile use and desktop or laptop computers are used to generate work orders as the primary method to distribute and plan work for field staff. This project will install and configure a mobile software system that will allow field employees to interact with the Maximo Computer Maintenance Management System from iPad mobile devices. The new system will maximize the value of the new mobile devices, increase the options and opportunity to implement a proactive data driven maintenance strategy, improve response time for corrective actions, and improve timely access to information such as manuals, construction plans, and work plans. This is a new project for this budget cycle.

Maximo Mobile Upgrade

The goal of this project is to replace existing mobile devices used in WSO with latest tablet technology. The project will enable the use of capabilities of the existing mobile software system that are not available on the existing hardware devices. The project includes an initial pilot evaluation with a purchase of 30 units to evaluate different models and test features. The overall goal will be to purchase several hundred devices following the completion of the pilot evaluation. The new devices will eliminate or reduce the need for desktop computers at field sites and vastly increase the functionality of the existing Maximo mobile devices.

Replacement of Network Switches at MWD Headquarters Building

Network switches are the backbone of the Information Technology (IT) network and connect all IT systems and infrastructure components. There are currently 12 network switches that were installed at Metropolitan Headquarters in 2014 which have reached end of their life cycle and are going out of support. Replacement of these network switches is needed to mitigate risks presented by old and out of support switches. This project will consist of multiple deployments of 12 new network switches at Metropolitan Headquarters. This is a new project for this budget cycle.

Security Operations Center

This is the second phase of the Cyber Security Upgrades project. The first phase concluded that additional cyber projects were needed to mitigate evolving threats. This phase will assess and remediate exposures and cyber security threats throughout Metropolitan with special emphasis on the business and SCADA networks. Maintaining a secure computing infrastructure requires application of ongoing cyber countermeasures to protect against new cyber threats that are identified on a continual basis. The scope of this project includes engaging a security consultant to perform an independent assessment of Metropolitan's IT infrastructure and environment to identify potential vulnerabilities and deploy effective solutions to strengthen our cyber security.

Security Operations Center - Cyber Security Upgrade Phase 2

Cyber security remains a high priority and is a key part of the Information Technology Strategic Plan. Cyber criminals, including cyber terrorists from rogue nations, are launching increasingly sophisticated threats targeting critical infrastructure agencies such as water utilities. This project will assess and remediate exposures and cyber threats throughout Metropolitan with special emphasis on the business and Supervisory Control and Data Acquisition (SCADA) networks. The proposed security measures will enhance incident response times, protect against social engineering attacks, enhance SCADA security, and protect the rapidly growing network of Metropolitan's connected objects including SCADA sensors and telemetry data. This is a new project for this budget cycle.

Standby Generator Relocation at Six WAN Sites

Metropolitan's Wide Area Network (WAN) provides a critical communication and data link between facilities across the distribution system. The Standby generators at six WAN sites must be relocated for consistency with the current fire codes and to enhance safety. These generators are needed to provide backup power in the event of loss of primary power. The planned improvements will reduce the risk of damage to communication equipment and the buildings in the event of a fuel leak. Metropolitan forces will relocate the standby generators at six WAN sites to reduce the risk of fire damage to Metropolitan's communication systems. The standby generators will be moved to new locations in separate outdoor enclosures, consistent with current fire codes.

Two-Way Radio System Upgrade

Metropolitan's current Two-Way Radio system is approaching the end of its service life, and both vendor and after-market support will cease in the next few years. The existing Two-Way Radio system is Metropolitan's essential communication system for public/employee safety, and for communications when Metropolitan performs tasks involving member agencies. This project will upgrade or replace specific components of the Two-Way Radio system, reusing the majority of the infrastructure; replace some unsupported radios; and will provide improvements to address poor reception at some locations. The upgraded Two-Way Radio system will include features anticipated to provide higher capacity, higher levels of cybersecurity, additional management and monitoring features, and multi-level resiliency.

Water Quality Laboratory Instrumentation Modernization and Data Acquisition Automation

Metropolitan's La Verne Water Quality Laboratory houses a significant number of analytical and water sampling instruments that support many of Metropolitan's business functions, including demonstrating regulatory compliance with drinking water standards and water treatment optimization. Historically, Metropolitan has approached replacement of obsolete instrumentation through individual purchases. This strategy has limited the rate of upgrades or replacement. In addition, many of the laboratory's instruments include vendor-provided dedicated computer workstations, loaded with software that is sometimes maintained by the vendor, and sometimes by Metropolitan's IT staff. This has resulted in cybersecurity vulnerability, as well as multiple non-standard computer images, operating systems, and software versions. Finally, the diversity of instrumentation in the laboratory has made it difficult to acquire data from the various instrumentation systems. This project will upgrade laboratory instrumentation to accommodate cybersecurity issues, prevent obsolescence of laboratory instrumentation, and allow integration of data acquisition efforts.

Western Region Microwave Tower Sites Upgrade Project

The western region microwave network consists of 52 sites with microwave radios that provide a voice and data communication backbone for the business network, the Supervisory Control and Data Acquisition (SCADA) network, Automated Meter Reading (AMR), and the two-way radio network. A majority of Metropolitan's current microwave radios are over twelve years old and have reached the end of their service lives, are no longer supported by the manufacturer, and replacement parts and software updates are no longer available leaving microwave infrastructure vulnerable to equipment failure. Also, inspection of the electrical grounding systems has revealed deficiencies in grounding requirements of some sites and, due to regulatory changes, some propane generators may require upgrades. This project will decrease the frequency of microwave system troubleshooting and repair activities and increase in network service reliability. The scope is to procure microwave radio equipment and associated antennas with waveguides; design microwave network and system infrastructure; install equipment on towers and inside buildings; design and install battery backup systems; rectify any grounding issues; and review the condition and level of code compliance of the propane generator systems and upgrade as necessary. This is a new project for this budget cycle.

WiFi Upgrade

This WiFi Upgrade project will improve the reliability, performance, and capacity to Metropolitan's wireless access point (WAP) local-area-networks (LANs) at Headquarters and various field facilities. It will also provide a secure, reliable and robust WiFi System to support increasing business demands and reliance on Metropolitan's wireless infrastructure. The scope for this project includes (1) migration and implementation design plan, (2) removal of obsolete access points and controllers, (3) installation of cable in building ceiling for access points, (4) installation of new access points, and (5) configuration and installation of new controllers.

Operations Support Project Group**Apprentice Training Center Facility**

The current apprentice training center (ATC) has come to the end of its useful life and lacks the needed space for break rooms and training without reconfigurations. As a result, some training modules are outsourced to other vocational training colleges and programs. This project will refurbish and make modifications to the former Diamond Valley Lake (DVL) Visitor Center building to enable its use as Metropolitan's apprentice training center facility. The former visitor center building was completed in 2008 and shares several building components with the adjacent Western Science Center Museum. The project will address the need for additional space dedicated to individual apprentice training center functions such as break rooms, classrooms, restrooms with added capacity and ample space for library and storage areas. The project will also address the aging and obsolete building systems that are currently shared with the adjacent Western Science Center Museum. To meet Metropolitan building standards, upgrades will be made to security, access, architectural, mechanical, electrical, plumbing systems, and other building features and equipment. Completion of this project will provide the necessary facilities for apprentice training well into the future for the development of the workforce that will operate and maintain Metropolitan's conveyance, distribution, and treatment systems. This is a new project for this budget cycle.

CRA Aircraft Facility Improvements

Metropolitan owns and operates several airstrips along the Colorado River Aqueduct (CRA) that are deteriorating with age. There is also no designated landing area for helicopters or an enclosed area to store aircraft. Currently, planes must be taken offsite for hangar storage in Lake Havasu. The project will design and construct various improvements to runway pavement and landing communication systems at the four aircraft facilities located near the CRA Pumping Plants (Gene, Iron Mountain, Eagle Mountain, and Hinds). This includes (1) rehabilitation of the existing asphalt paved runway, (2) rehabilitate the existing asphalt paved access road leading to the runway and construct new asphalt paved access road to replace the existing access road without asphalt pavement, (3) replacement of the existing incandescent bulb lighting along the runways at Iron Mountain and Eagle Mountain with energy efficient Light Emitting Diode (LED) bulbs, (4) installation of a weather reporting station at Eagle Mountain and Hinds Pumping Plants, (5) construction of a new helipad at Eagle Mountain Pumping Plant and, (6) construction of a new aircraft hangar and parking area at the runway facility near Gene Pumping Plant. This is a new project for this budget cycle.

CRA Pumping Plant Access Road Rehabilitation

The Colorado River Aqueduct (CRA) pumping plant access roads must accommodate heavy traffic loads for deliveries of chemicals, materials, equipment, and staff. The existing asphalt roads are distressed and show numerous areas of longitudinal and alligator cracking. The harsh desert climate conditions have caused the pavement to age and become distressed more quickly. These roads are the sole means of access to the pumping plants, making reliable use of the roads critical to allow equipment, chemical, and material deliveries, ingress for first responders, and general access. This project will rehabilitate approximately 11 miles of the existing access roads leading to the Intake, Iron Mountain, Eagle Mountain, and Hinds Pumping Plants using a combination of pavement overlay and pavement replacement with new aggregate base subgrade. This project will also include pavement markings. This is a new project for this budget cycle.

District-wide Fall Protection Improvements

Working at elevated areas within 6-feet of an edge that have 6-feet falling height, requires fall protection per California Occupational Safety and Health Administration (Cal-OSHA) regulations. The current procedures require that when employees need to enter a rooftop area to service equipment, they must develop and implement a specific plan for safe access; complete a job safety hazard checklist to address all fall hazards; and utilize safety belts, lanyards, or other approved fall protection systems as required. This project will construct guardrail and skylight fall protection on building rooftops, and other types of fall abatement projection for other serviceable areas on facilities with fall protection deficiencies at the District's five Colorado River Aqueduct pumping plants, five water treatment plants, and other miscellaneous facilities throughout the service area per Cal-OSHA Title 8 requirements. Engineered controls such as guardrails and skylight screens will provide the highest level of protection ensuring safety, limiting District liability, improving staff productivity, and ensuring compliance with Cal-OSHA requirements. This is a new project for this budget cycle.

District-wide Zero and Near-Zero Emissions Fleet Infrastructure

Identifying new ways to reduce greenhouse gas (GHG) emissions and reduce Metropolitan's carbon footprint is essential to the implantation of Metropolitan's Climate Action Plan (CAP). This project will design and construct infrastructure to meet mandated Zero Emission (ZE) and Near-Zero Emission (NZE) state and local regulations and comply with California Environmental Quality Act (CEQA) GHG reductions identified in CAP. This project would be implemented in phases, starting with development of a comprehensive transition plan to a ZE and NZE fleet, implementation of transition plan that includes interim and long-term infrastructure design, installation of recommended infrastructure (e.g., charging and/or dispensing stations), and installation of infrastructure related to solar and/or battery energy storage and other sustainability opportunities. The fleet includes passenger vehicles; light-, medium-, and heavy-duty on-road vehicles, off-road construction vehicles/equipment; forklifts; and employee and rideshare vehicles.

Eagle Rock Security Upgrade

The Eagle Rock Operations Control Center (OCC) was built in 1995 in the City of Pasadena. The OCC coordinates and controls Metropolitan's water conveyance and distribution system throughout its entire service area. As the main hub of this system, the OCC is pivotal for the management of water deliveries through Metropolitan facilities. The site currently consists of (1) a two-story building that houses the OCC, the Emergency Operations Center, and several staff offices, (2) a two-story older structure that holds the Business Incident Command Post, Security Water Center, several offices, and a Control Systems shop, and (3) several concrete structures used for transporting water. A vulnerability assessment of the OCC site was conducted in 2017. This assessment identified several security issues of concern as a result of trespassing onto the property. A security assessment identified the site's use by hikers in the area, site accessibility by individuals who have established homeless encampments in the area, and illegal dumping. Proposed site improvements include replacement of the main and lower entrance gates, and existing intercom system at the gates; and installation of additional security cameras, lighting fixtures, flood lights with motion detectors, fencing, gates around the perimeter of building, signage, new electrical and communication conduits, and other related security features.

HVAC System Assessments & Upgrades - Field Facilities

Metropolitan's facilities include nearly 700 structures with over 2,000 pieces of heating, ventilation, and air conditioning (HVAC) equipment. Approximately 80% of the HVAC equipment used by Metropolitan supports process systems that are required to treat or distribute water, and for regulatory compliance. The majority of Metropolitan's HVAC equipment is over 32 years old, requiring more corrective maintenance to remain operational, and consuming more electricity than newer, more energy efficient units. This project consists of a five-year, phased replacement of outdated HVAC infrastructure with certified energy efficient equipment, and will address regulatory changes in EPA guidelines, which are phasing out the refrigerants currently used in most of MWD's HVAC systems. The project will also (1) modernize HVAC controllers into a cohesive building automation network to allow Metropolitan staff to more efficiently respond to HVAC interruptions, more quickly troubleshoot problems, provide early detection of problems before catastrophic failures, and ensure optimal performance of the HVAC systems; and (2) upgrade existing or install new air filtration systems with high efficiency particulate air (HEPA) filtration and germicidal equipment such as UV disinfection to occupied buildings to provide enhanced protection from airborne viral and bacterial particulates.

La Verne Shops Improvements

The La Verne Shops are located on the grounds of the Weymouth plant and have been in service since 1941. The shops were expanded in the 1960s, and were expanded again in the 1980s to support a major rehabilitation of the pumps along the CRA.

A shop modernization program was started in 2002, and included building expansions and upgrades, and shop equipment replacement or refurbishment. Most of the shop equipment is 27 to 37 years old, with a few pieces close to 47 years old, and a 20-year-plan to replace and refurbish the shop equipment has been developed. The building expansions and upgrades included expanding the existing shop buildings, upgrading portions of the existing buildings, and replacing and refurbishing shop equipment. The first four stages of this project are complete, which included building expansion and refurbishment/replacement of most of the equipment.

The fifth and final stage focuses on the procurement and installation of new fabrication and machine shop equipment, including a hydraulic shear, hydraulic press brake, waterjet cutting system, horizontal band saw, and vertical machining center. This new equipment will replace existing equipment that is up to 35 years old and is not viable to refurbish. This last stage will also include refurbishment of various remaining existing machines; safety upgrades to roof ladders and walkways; and installation of new electrical circuit, unit power center for an uninterruptible power supply, ductbanks for various utilities, shop heaters, air compressors, various utilities, and other appurtenances to support the shop operations.

La Verne Field Engineering Building Replacement

This project provides a new Field Engineering Building to replace the existing one, which does not meet Metropolitan's current seismic building standards, and is limited in function due to HVAC deficiencies and work space constraints. The Field Engineering Building, located at Metropolitan's La Verne Facility, was designed and built over 52 years ago in accordance with building codes current at that time.

This project will include a detailed value engineering study to confirm the recommended approach to construct a new building in lieu of retrofits to the existing structure. This project will also include a comprehensive siting study to ensure that the proposed footprint of the new building does not interfere with the current and future requirements of Metropolitan's La Verne Facility. This project will enhance infrastructure safety, security, and resiliency.

La Verne Support Buildings Seismic Improvements

As part of Metropolitan's seismic upgrade program, a rapid evaluation was conducted and identified seismic deficiencies in Weymouth Softener Buildings Nos. 1, 2, and 3, Weymouth Central Stores Storage/Paint Shop - Building 32/32A, and the Weymouth General Storage Building - Building No. 33. This project will evaluate future uses of these structures, construct improvements to address these deficiencies, as well as, should it provide value to the District, improve non-structural features in each building such as roofing, insulation, and other building characteristics. This is a new project for this budget cycle.

Lake Mathews, Garvey and CUF Support Facilities Seismic Upgrade

As part of Metropolitan's seismic upgrade program, a rapid evaluation was conducted and identified seismic deficiencies in the Garvey microwave station; the Lake Mathews Hazardous Materials Building, meter shop, auto shop, and heavy equipment shop; the Chlorine Unloading Facility Main Office; and other buildings at these locations. This project will construct improvements to address these deficiencies, as well as, should it provide value to the District, improve non-structural features in each building such as roofing, insulation, and other building characteristics. This is a new project for this budget cycle.

Lake Mathews Facility Wastewater System Replacement

The wastewater system at Lake Mathews has been in operation for nearly 82 years and is no longer reliable. Despite receiving regular maintenance, the system is exhibiting signs of failure including plumbing and septic tank backups, clogged leach fields, and slow-draining collection pipes. On-site treatment of the wastewater via septic tanks will be discontinued, and new collector lines will be connected to the local sewer system that was installed in the early 2000s. Western Municipal Water District has a nearby sewer main that includes a connection point specifically installed for Metropolitan's future use. This connection can accept wastewater by gravity from the entire on-site system. This project will remove the on-site wastewater system and construct wastewater system that ties into the Western Municipal Water District's sewer line to reduce the risk of costly unplanned repairs and to maintain system reliability.

Etiwanda Test Facility

Metropolitan had previously used its Yorba Linda Facility to evaluate and equipment, test operational concepts and qualify equipment. The water used for testing was obtained from the Santiago Lateral and discharged into the Santa Ana River. Environmental constraints on the discharge of water made the facility's use impractical, and the test facility was shutdown. This project constructs a new test facility at Etiwanda Reservoir in order to test new emerging technologies, emerging regulations related to metering, and to validate non-standard service connections. Specifically, a new facility would allow staff to test equipment such as valves, meters, coatings, and other treatment and distribution devices; conduct expedited test to maintain a pre-approved equipment list for low bid procurement; simulate problematic flow meter installations and low flow conditions; and test the accuracy of existing flow meter installations.

New La Verne Warehouse

The Central Stores Warehouse at La Verne is Metropolitan's main warehouse for storing materials, supplies and equipment used by field personnel to support Metropolitan's operations. It is comprised of four main buildings (Buildings 30, 31, 32A, and 33). A recently completed seismic evaluation found that the buildings may be damaged from a maximum credible earthquake. The cost to retrofit the all four buildings is cost prohibitive. In addition, the buildings lack the storage space necessary to house Metropolitan's materials, supplies and equipment. The buildings also are not suitable to safely store adequate supplies of medical grade supplies and essential commodities for emergency preparedness such as for pandemics. Furthermore, they lack equipment to handle large assets like the large diameter specialty valves. This project will construct a new warehouse, which will provide approximately 55,000 square feet of indoor floor space with approximately 30,000 square feet of outdoor storage yard covered under canopies. This project will also demolish Buildings 30 and 31 and restore and seismically retrofit the Buildings 32A and 33 to meet the current building code. The new warehouse and retrofitted buildings will support Metropolitan's ongoing operations and maintenance, capital construction efforts, and emergency preparedness.

System-wide Paving & Roof Replacements

Similar to infrastructure throughout Metropolitan, pavements and roofs deteriorate over time due to wear and tear from use, weathering and precipitation. The planned pavement and roofing rehabilitation projects will encompass water treatment plants, pumping plants, various maintenance facilities and access roads within Metropolitan's service areas. These projects will also improve the subgrade and drainage systems as required.

This project will allow various paving and roof replacements throughout Metropolitan's facilities to be authorized by the General Manager similar to the Minor Capital Projects Program. Establishing a project to fund a limited amount of paving and roof replacement on an annual basis will allow these needed replacement projects to proceed expeditiously.

Water Quality Laboratory Building Seismic & HVAC Upgrades

This project addresses seismic upgrades, building expansion, and other building improvements for the Water Quality Laboratory. The Water Quality Lab was constructed in accordance with the building codes at the time of construction and is treated as an essential facility. However, industry knowledge of earthquakes and seismic design has greatly improved over the years, leading to the development of more stringent, modern seismic codes for this type of facility. To minimize the risk of damage to the plant during a major earthquake, seismic upgrades are recommended. Also, new regulatory requirements associated with Quagga Mussels, per- and polyfluoroalkyl substances (PFAS), and other water quality concerns will be addressed.

In addition to the seismic upgrades, a building expansion and functional layout improvements such as laboratory and office space reconfiguration, lab equipment replacements, accessibility improvements, HVAC and roof replacements, and other related building improvements necessary to renovate the building to support Metropolitan to meet current and future water quality regulations.

System Reliability - Security and Other Project Group**Coyote Creek PCS HEP Perimeter Security Upgrade**

The Coyote Creek Pressure Control Structure (PCS) and Hydroelectric Plant (HEP) facility falls under North American Electric Reliability Corporation (NERC) and Federal Energy Regulatory Commission (FERC) oversight and must adhere to critical infrastructure regulations set by these agencies. The current perimeter security fencing and security measures at this site do not meet the NERC/FERC security standards. This project will replace all perimeter fencing and both entry gates, relocate the rear vehicle gate to the front of the driveway at Lambert Road, and install multiple network security detection systems to detect and deter unauthorized individuals from accessing the site. This is a new project for this budget cycle.

Diamond Valley Lake Network Security Detection Systems

In 2018, a serial arsonist set 11 fires in the Diamond Valley Lake (DVL) area. This project will install multiple network detection security systems around DVL to cover areas with historically high security incidents. The network detection security system will utilize ground-based radar and thermal imaging as necessary to monitor for trespassing, criminal activity, security incidents, illegal dumping, fire, and medical emergencies. This is a new project for this budget cycle.

Eastern Region Security Camera Replacement

The existing camera system that serves the Eastern Region of Metropolitan's distribution system requires frequent maintenance, is obsolete and is not integrated with the current enterprise system, and its coverage is incomplete. This project will replace the existing camera system with new enhanced camera system and install other security related equipment in this region to enhance the theft and trespassing detection and deterrence, lower maintenance costs, and better leverage the available bandwidth and data storage capabilities to provide better video feeds and recordings. This is a new project for this budget cycle.

Etiwanda Reservoir Security Upgrades

Etiwanda Reservoir has experienced incidents of trespassing and illegal dumping. This project will replace the gate near residences with a high security gate that is cut and climb resistant and install multiple network security detection systems to detect and deter unauthorized individuals from accessing the site. This is a new project for this budget cycle.

Headquarters Building Automation System Upgrades

The building automation system controls all lighting, carbon monoxide monitoring system, HVAC, and associated mechanical equipment in Metropolitan's Headquarters Building. The system is required to operate the building in an energy efficient manner, consistent with Title 24 energy efficiency standards. In the event of a building automation system failure, thermal control within the data center would be lost and garage exhaust fans within the parking garage would become inoperable, resulting in damage to critical facilities and unsafe conditions, respectively. The existing building automation system is obsolete and is no longer supported by the manufacturer.

This project will replace the existing building automation system with a new nonproprietary system and will support integration of the new fire and smoke control systems that will be installed under the Headquarters improvements project.

Headquarters Building Interior and Exterior Lighting and Control System Upgrade

The existing fluorescent lighting fixtures in the Metropolitan Headquarters building are 23 years old and past their service lives. As the fixtures and components continue to age, the risk of fire hazard will increase and in July 2019, a fire incident occurred on the first floor due to the deterioration of fixture components. This project will replace and upgrade interior and exterior lighting with new energy efficient light emitting diode (LED) fixtures controlled by a new lighting control system which allows for programmable on/off, dimming, daylight harvesting, and occupancy sensing. This project will bring the building lighting up to the current California Title 24 building standards and may qualify for Los Angeles Department of Water and Power's Commercial Lighting Incentive Program. This is a new project for this budget cycle.

Headquarters Chiller Plant Upgrade

Metropolitan's Headquarters' original central plant cooling equipment was installed in 1997 when the building was constructed. This equipment provides the comfort cooling requirements for the Metropolitan Headquarters Building. Chillers and cooling tower equipment typically has a lifespan of 10 to 25 years and the existing equipment in the building is no exception. Costs to maintain the aging, obsolete, and inefficient equipment continue to increase. This project will replace the central plant cooling equipment with new chillers, cooling towers and related mechanical, electronic and electrical systems that meet today's energy efficiency and seismic standards. This is a new project for this budget cycle.

Headquarters Facility Replacement of Modular Furniture

The service life of office modular furniture is about 20 years and the existing furniture in Metropolitan Headquarters Building predates the building since it was originally purchased and used when Metropolitan worked out of Cal Plaza. Additionally, the furniture supplier has discontinued this line of products. This project includes space planning, which will develop new furniture standards and guidelines that address changing organizational needs; replacement of obsolete modular furniture; installation of new common use space/privacy rooms/meeting rooms/storage; additional enclosed offices; associated power, communication and network installations in walls, ceilings, and floors; and other work to comply with safety codes. This is a new project for this budget cycle.

Headquarters Improvements

Analysis has confirmed that the Headquarters Building does not meet current building code criteria for an Essential Facility. While the building remains safe to occupy, seismic strengthening to meet updated code levels is recommended in order for operations and business functions to continue following a major earthquake. This upgrade will increase the Headquarters Building's level of seismic performance and safety to that of an existing state-owned building and will reduce the risk of significant damage and resulting business interruption due to a major earthquake.

Construction of the seismic upgrades poses logistical challenges associated with the major retrofit of a high-rise building while the facility remains operational. During the anticipated three-year duration of construction, two to three floors of the high-rise tower will be vacated sequentially to allow a contractor to execute the repairs. Metropolitan staff will be relocated in stages to the five-story wing of the building.

Seismic upgrade work provides an opportunity to complete improvements to specific building systems in a cost-effective manner, while the floors are unoccupied and building finishes are removed. The Headquarters Building is over 20 years old, and some of its features need to be upgraded or replaced. These features include the fire/life safety systems including existing fire sprinkler piping at the parking garage, some of the kitchen equipment and ceiling/wall finishes, HVAC system equipment including cooling towers, air handler units, chillers, air disinfection systems, and associated mechanical, electrical, and control systems, restroom facilities on several floors, and video rooms and video production equipment.

Headquarters Security Improvements

The comprehensive security upgrades for Metropolitan's Union Station Headquarters have been prioritized and staged to minimize rework and impacts to operations. The Stage 1 work is complete, which enhanced perimeter windows and doors by providing needed blast protection. The Stage 2 work, currently in construction, provides security system upgrades inside the building with entry validation, surveillance and intrusion protection, and additional security features in the main entry rotunda area, board room, executive dining lounge, and security control room. Stage 3 is in design phase and will enhance perimeter security along the exterior of the building and courtyard including bollards and gates.

Hinds Pumping Plant Perimeter Security Upgrades

Existing portions of the current perimeter fencing at Hinds Pumping Plant are deteriorated and do not deter intruders. The inability to properly monitor the area has resulted in incidents of theft and illegal dumping. This project will install a complete and continuous anti-cut anti-climb perimeter fence and multiple network security detection systems at Hinds Pumping Plant to detect and deter unauthorized individuals from accessing the site. This is a new project for this budget cycle.

Lake Mathews Network Security Detection Systems

Existing portions of the current perimeter fencing at the Lake Mathews facility are deteriorated and do not prevent intruders. The inability to properly monitor the area has resulted in incidents of theft and illegal dumping. This project will install multiple network detection security systems around Lake Mathews to cover areas with historically high security incidents. The network detection security system will utilize ground-based radar and thermal imaging to monitor for trespassing, criminal activity, security incidents, illegal dumping, fire, and medical emergencies. This is a new project for this budget cycle.

Perris PCS Perimeter Security Upgrades

The current fencing at the Perris Pressure Control Structure (PCS) is inadequate, evidenced by a recent intrusion. This project will replace all perimeter fencing with a high security fence that is cut and climb resistant with a 3-strand barbed wire top guard, and install multiple network security detection systems with the intent to lower the District's exposure to theft, arson, and vandalism. This is a new project for this budget cycle.

Power Switch Yard Protection

Several of Metropolitan's switch yard facilities fall under North American Electric Reliability Corporation (NERC) and Federal Energy Regulatory Commission (FERC) oversight and must adhere to infrastructure regulations set by these agencies. This project will install ballistic barriers and chain link roofs at all power switch yards throughout the District to protect equipment from projectiles and drone attacks. This is a new project for this budget cycle.

Security System Upgrade

The electronic security system is the backbone of Metropolitan's physical security system. Studies indicate that replacement of the 17-year-old system is not yet required; however, incremental upgrades are needed to extend the life of the system. Work includes hardware and software upgrades to network controllers, computer servers, card readers, and the video management system.

Valley View PCS HEP Perimeter Security Upgrades

The Valley View Pressure Control Structure (PCS) and Hydroelectric Plant (HEP) facility falls under North American Electric Reliability Corporation (NERC) and Federal Energy Regulatory Commission (FERC) oversight and must adhere to critical infrastructure regulations set by these agencies. Upgrades to perimeter security fencing and security measures are needed to comply with NERC/FERC security standards. This project will replace fencing and gates to meet security standards and will install multiple network security detection systems to detect and deter unauthorized individuals from accessing the site. This is a new project for this budget cycle.

Wadsworth/DVL Control & Protection System Upgrade

This project is the final phase of the Wadsworth Pumping Plant/DVL control system upgrade and includes replacement of the entire Diamond Valley Lake (DVL) control and communications systems, the protection relay system, UPS, vibration monitoring system, and pump/turbine drive controls.

West Portal Perimeter Security Upgrade

The West Portal site of the San Jacinto Tunnel does not have a continuous perimeter fence. The location is susceptible to intruders. This project will install a complete and continuous anti-cut anti-climb perimeter fence with barbed wire top guard at West Portal to meet security standards and will install multiple network security detection systems to detect and deter unauthorized individuals from accessing the site. This is a new project for this budget cycle.

Western Region Security Camera Replacement

The existing camera system that serves the Western Region of Metropolitan's distribution system requires frequent maintenance, is obsolete, is not integrated with the current enterprise system, and its coverage is incomplete. This project will replace the existing camera system with new enhanced camera system and install other security related equipment in this region to enhance the theft and trespassing detection and deterrence, lower maintenance costs, and better leverage the available bandwidth and data storage capabilities to provide better video feeds and recordings. This is a new project for this budget cycle.

Treatment Plant Reliability Program

Fiscal Year 2022/23 Estimate: \$24.9 million

Fiscal Year 2023/24 Estimate: \$17.2 million

Program Information: *The Treatment Plant Reliability Program is comprised of projects to replace or refurbish facilities and components of Metropolitan's five water treatment plants in order to continue to reliably meet treated water demands.*

Accomplishments for FY 2020/21 and FY 2021/22

Diemer Plant

New Projects Initiated:

- Diemer Electrical Improvements
- Diemer Filter Rehabilitation
- Diemer Power and Distribution Panel Upgrades

Major Milestones Achieved:

- Diemer Basin Rehabilitation - construction of the west basins completed
- Diemer Filter Building Seismic Upgrades - construction of seismic upgrades for the west filter building completed
- Diemer Filter Valve Replacement - construction of valve replacement for the west filters completed
- Diemer Water Sampling System Improvements - construction completed

Jensen Plant

New Projects Initiated:

- Jensen Control Room HVAC
- Jensen New Caustic Soda Tank Farm at the Combined Filter Effluent
- Jensen Reservoir Bypass Gate Refurbishment

Major Milestones Achieved:

- Jensen Modules 2 and 3 Flocculator Rehabilitation – construction completed
- Jensen Ozone PSU and Critical Component Upgrade – design completed
- Jensen Electrical Upgrades - Stage 2 – construction completed

Mills Plant

New Projects Initiated:

- Mills Ozone PLC Control and Communication Equipment Upgrade
- Mills Electrical Upgrades – Stage 2

Major Milestones Achieved:

- Mills Electrical Upgrades – construction of Stage 1 completed
- Mills Electrical Upgrades – construction of Stage 2 started
- Mills Ozone PLC Control and Communication Equipment Upgrade – procurement contract awarded

Skinner Plant

New Projects Initiated:

- Skinner Fluoride Tank Replacement

Major Milestones Achieved:

- Skinner Survey Building Roof Replacement – construction completed
- Skinner Ozone PLC Upgrade – installation completed

Weymouth Plant

New Projects Initiated

- None

Major Milestones Achieved:

- Weymouth Basins 5-8 and Inlet Channel Refurbishment – final design completed
- Weymouth Chlorination System Upgrades – construction completed
- Weymouth Domestic Water System Improvements – construction completed
- Weymouth Water Quality Instrumentation Improvements – construction completed

Objectives for FYs 2022/23 and 2023/24

Project	Total Project Estimate	Estimated Construction Completion	Major Milestones
Diemer Chemical Feed Systems Improvements	\$ 11,300,000	2026	Complete design
Diemer Filter Rehabilitation	\$ 49,700,000	2026	Complete design
Jensen Electrical Upgrades - Stages 1 & 2	\$ 54,000,000	2022	Complete Stage 2 construction
Jensen Ozone PSU and Critical Component Upgrade	\$ 14,300,000	2023	Complete construction
Jensen Site Security Upgrade	\$ 2,100,000	2024	Complete construction
Mills Electrical Upgrades - Stage 2	\$ 14,500,000	2024	Complete construction of Stage 2
Mills Fluorosilicic Acid Tank Replacement	\$ 2,500,000	2024	Complete construction
Mills Perimeter Security and Erosion Control Improvements	\$ 5,800,000	2024	Complete construction
Skinner Fluorosilicic Acid Tank Replacement	\$ 1,600,000	2024	Complete construction
Skinner Ozone Contactor Roof Elastomeric Coating	\$ 2,300,000	2023	Complete construction
Skinner Sulfuric Acid Transfer Line Rehabilitation	\$ 1,400,000	2025	Complete design
Weymouth Basin 5-8 and Inlet Channel Refurbishment	\$ 65,000,000	2024	Begin construction
Weymouth Filter Valve Replacement	\$ 24,400,000	2024	Begin construction
Weymouth Hazardous Waste Staging and Containment	\$ 2,600,000	2023	Complete construction

Diemer Project Group

Diemer Administration Building HVAC Replacement

The existing HVAC system in the Diemer plant's Administration Building consists of two 20-ton, chilled and hot water coiled air-handling units, which maintain multi-zone work-space environments on both floors. The 57-year-old units are beyond their expected operating life and have caused issues with regular maintenance activities. This project will replace the existing HVAC units with new energy efficient units and upgrade the temperature control system for the building. The project will also replace chiller, boiler, compressor, and make ductwork modifications. Seismic anchorage of the equipment will be incorporated to meet the current building code.

Diemer Chemical Feed System Improvements

The chemical feed equipment for ammonia, alum/ferric chloride, sodium hydroxide, fluorosilicic acid, liquid polymer, and dry polymer at the Diemer plant has aged and its reliability has deteriorated over the years. Most equipment is over 22 years old and has experienced failures. Some of the repair parts are no longer manufactured and are difficult to obtain. Loss of chemical feed or inadequate feeding capacity could disrupt plant operations. In addition, design criteria for some of the chemicals have changed and the existing equipment is unable to cover the required range for chemical feed. This project will replace the worn-out feed equipment and optimize the system design to improve system reliability and to protect treated water quality.

A canopy over the caustic soda tank farm and a new fluoride tank farm is needed to improve operations at the Diemer plant. Heat tracing around caustic feed lines is required to feed 50% caustic soda during the winter months. However, rainwater trapped within the chemical containment area could submerge the heat tracing wires. A canopy will minimize rainwater accumulation within the containment area and eliminate electrical hazards. The plant's fluoride tanks have reached the end of their service life and lack access for inspection and maintenance. This project will install a canopy over the existing caustic soda feed equipment; and replace the two fluoride storage tanks, associated feed equipment, and the roof over the fluoride tank farm.

Diemer Power and Distribution Panel Upgrades

Power and distribution panels that were installed during the original Diemer plant construction, are more than 57 years old. These panels, circuit breakers, and feeder conductors (wires that feed the panels) have exceeded their normal life span and have deteriorated. This project will upgrade the aged electrical equipment to meet the current electrical code and enhance the plant's reliability. The improvements will allow the electrical equipment to be taken out of service for preventive maintenance, replacement, and testing in a safe working condition.

Diemer Erosion Control Improvements

The Diemer plant is located on the top of a hill in the city of Yorba Linda and consists of numerous fill slopes. Due to the large water-bearing structures at the Diemer plant, some of these slopes are within the State of California Department of Water Resources Division of Safety of Dams (DSOD)'s jurisdiction. Some slopes within the Diemer plant have eroded and are in need of rehabilitation. This project will provide site improvements for grading, drainage, and erosion/sediment control to erosion-damaged slopes at the plant site.

Diemer Filter Rehabilitation

The Diemer plant has 48 independent filter units that are normally operated from the main control room, although they also have the capability to be operated locally if needed. Over the life of the Diemer plant, staff has performed regular maintenance on the filters to support reliable plant operation. However, as regulations and source water conditions have changed, filter performance reliability has decreased. Metropolitan's Water Quality recently developed recommendations for the rehabilitation of all Weymouth filters, including reconfiguration of underdrains, media, troughs and surface wash systems. Due to the similarities between the filters at Diemer and Weymouth, staff recommends implementing the same filter modifications at the Diemer plant.

This project will rehabilitate all of the Diemer plant's filters to improve their performance and enhance treatment plant reliability. The planned rehabilitation work includes replacing the filter media with optimized size and depth specifications; replacing the surface wash system with larger piping and improved flow configuration; replacing the underdrains; modifying flow distribution flumes; and raising and replacing the existing troughs to accommodate a higher depth of filter media.

Diemer Ozone Network Upgrade

Ozone is the primary disinfectant at Metropolitan's water treatment plants. At the Diemer plant, the programmable logic controllers (PLCs), which control the ozone process, have exceeded their service lives; are discontinued; and the existing firmware has security flaws. This project will replace the PLC processors, upgrade the network modules to ethernet, modify the existing fiber optic cable infrastructure to support the new district standard ethernet, and other appurtenances necessary to complete the upgrade. The existing PLC configuration will be migrated to the new processors and the operations manual will be updated to reflect the associated changes. This is a new project for this budget cycle.

Diemer Washwater Reclamation Facilities Reliability Improvement

Approximately 40 percent of Diemer plant's existing Washwater Reclamation Plant (WWRP) is constructed on long slender piles and earthen fill, which form a level surface at the top of a slope. Seismic rehabilitation is required to ensure reliability of the WWRP facility. In addition, submerged WWRP equipment is continually subjected to abrasive and corrosive operating conditions caused by the solids in the used filter backwash water. The WWRP's two identical treatment trains share a common influent channel and both must be removed from service during maintenance. This project will retrofit the WWRP with reliability improvements, including a new coal grit removal facility and new headworks to allow independent shut-down of each individual process trains. Seismic stabilization will be accomplished by replacing the existing sedimentation basins with smaller footprint inclined plate settlers to reduce the footprint and move the process away from the seismically vulnerable fill portion of the pad. The project also includes modifications to the existing chemical feed system, sludge line, and utilities at the west slope.

Diemer Water Sampling System Improvements

The existing sample lines at the Diemer plant do not meet the 10-minute turnover rate requirement from sample point to laboratory sample taps due to long sample lines and pressure limit for the existing polypropylene tubing used to transport the samples. This project will upgrade the existing sample lines and all sample pumps to allow higher operational pressure to shorten the transport time. In addition, new chlorine analyzers, turbidimeters, and pH analyzers will be installed closer to the sample locations to eliminate variable analytical results caused by algae growth, solids deposition, temperature variation, and excessive detention time in the sample lines. These local analyzers will reduce distances from sample point to analyzer to better represent actual conditions in the process stream.

Jensen Project Group**Jensen Bull Creek Repair**

The Bull Creek channel located on the east side of the Jensen plant has suffered significant erosion from continued stormwater flow during the past wet seasons. This project will rehabilitate approximately 800 feet of the Bull Creek channel to prevent erosion through the use of biological and engineered solutions. The work includes: installation of rip rap and slurry backfill along the channel; repairing damaged concrete liner on the channel sides, restoration of the broken apron next to the railroad bridge, and revegetation of native species to keep sediments in place and reduce erosion. In addition, a catch basin and other stormwater management infrastructure will be constructed along the San Fernando service road to the Jensen plant, to mitigate excessive erosion on the north bank of the Bull Creek.

Jensen Chemical Feed Improvements

This project will improve several chemical feed systems at the Jensen plant, including replacing two fluorosilicic acid (fluoride) tanks, rehabilitation of sulfuric acid tanks, construction of a new caustic soda tank farm near the filtered water line, and containment upgrades for the liquid polymer system.

The Jensen plant relies on two 9,000-gallon cross-linked high-density polyethylene (HDPE) tanks for the storage of fluorosilicic acid. Internal inspections have identified cracks in the two fluorosilicic acid tanks. This project will replace the fluoride tanks with tanks of the same capacity and improved mechanical properties to provide an expected service life of 20 years.

A recent internal inspection of one of two sulfuric acid tanks at the Jensen plant identified corrosion in the tank wall material and welds. Reconfiguration of the transfer piping and basket strainer is needed to minimize clogging and facilitate chemical transfer between the tanks. This project will rehabilitate Jensen's two sulfuric acid storage tanks, apply new protective coating to the sulfuric acid tank farm, and complete minor modifications to the sulfuric acid feed system piping within the acid tank farm.

The Jensen plant's existing caustic soda tank farm was installed in 1970, and needs to be replaced. Caustic soda is used to increase the pH for corrosion control. The caustic soda dosage varies based on source water quality and the amount of other chemicals (e.g. sulfuric acid and alum) applied during the treatment process. Currently at the Jensen plant, sulfuric acid is added to suppress the pH and control bromate formation and then caustic soda is added to reduce corrosion in the distribution system. This project allows the Jensen plant to meet current water quality design criteria for bromate control with the addition of ammonia and chlorine added upstream of the ozone contactor. This approach would significantly reduce the plant's usage of both sulfuric acid and caustic and reduce overall chemical costs. With the ammonia-chlorine process to control bromate, caustic soda would only need to be added to the filtered water. This allows the new caustic soda tank farm to be sized, designed, and built specifically for adding caustic soda to the filtered water. This project will replace the existing tank farm with a new facility located near the filtered water line.

In addition, the liquid polymer unloading facility does not have a permanent spill containment system. This project will provide a permanent single concrete unloading facility for both chlorine neutralizing caustic soda and liquid polymer chemicals, equipped with a new sump and discharge piping to provide secondary containment. In addition, the ferric chloride handling facility and the Liquid Polymer Building will be removed.

Jensen Chlorine Caustic Scrubber Tanks Replacement

Similar to the other four water treatment plants, the Jensen plant uses caustic scrubbers to neutralize chlorine gas in the event of an accidental leak in the chlorine containment building. The existing scrubber systems are experiencing corrosion and the best option for rehabilitation of this safety system is replacement of the scrubber tanks. This project replaces the caustic scrubber tanks and associated equipment. This is a new project for this budget cycle.

Jensen Control Room HVAC

The Jensen plant was placed into service in 1972. During recent wildfire events, it was observed that existing HVAC systems do not meet the objective of reliably maintaining air quality in the control rooms that must be staffed at all times. This project will provide improved air quality in the Jensen control rooms to ensure that the plant can be reliably operated during periods of poor outdoor air quality. This project will: (1) install dedicated high-efficiency heating, ventilating, and air conditioning (HVAC) system for the main plant control room in the administration building and the secondary plant control room in the ozone generator building, and (2) seal the two control rooms from other portions of the building to reduce smoke or other air quality contaminants from entering the control room.

Jensen Electrical Upgrades

The Jensen plant's electrical system was designed to meet then-current electrical codes when the plant was constructed over 42 years ago. The aging electrical equipment has deteriorated through long-term continuous use, lacks redundancy, and is difficult to maintain and repair. Much of the equipment is underrated by current standards and does not have adequate short-circuit interrupting capability, which results in an elevated risk of unplanned outages and equipment damage. This project will replace aging equipment and provide needed redundancy for critical components of the plant's electrical system. To expedite completion of the most critical electrical upgrades while minimizing impacts to plant operations, the upgrade work has been prioritized and staged. The Stage 1 work improved the medium voltage switchgear on the western portion of the plant and provided electrical infrastructure for the Jensen Solar Power Plant. Stage 2 improvements are underway to upgrade UPC-7, UPC-9, and their associated motor control centers to support critical process equipment such as the washwater pumps, service water pumps, washwater return pumps, filters, thickeners, sludge pumps, and ammonia facilities. Stage 3 improvements will upgrade the remaining components of the electrical system on the eastern portion of the plant, including geotechnical seismic analysis of the east side of the plant to determine areas of seismic vulnerability.

Jensen Entrance Improvements

Both main Jensen plant gates at San Fernando and Balboa entrances need to be redesigned to improve security and traffic flow consistent with Metropolitan's other Treatment Plants. This project will enhance security of the Jensen plant's entrances. Project scope includes replacement of security gates; installation of traffic control devices to improve security at the entrance points of the Jensen plant; and installation of fire-resistant plants and irrigation along the west side of the plant.

Jensen Hazardous Waste Containment Facility

The Jensen plant currently stores its hazardous waste in a storage area that was repurposed from a general equipment storage area. The existing site has inadequate storage space for the facilities' needs. In addition, the waste containment area roof covering does not provide adequate protection from the rain and sun. This project will replace and relocate the Jensen plant Hazardous Waste Consolidation Site (commonly known as 90-day storage).

Jensen Module 1 and Washwater Pump Rehabilitation

Washwater pumps are used to pump water from the combined filter effluent to the washwater tanks. The tank water is then used to back wash filters. If washwater pumps are unavailable, the plant cannot perform filter backwashes that are necessary to maintain operation of the filtration process. Jensen's Module No. 1 washwater (WW) lift pumps were installed with the original plant construction and have been in service for 52 years. Inspection and testing has revealed significant corrosion in the pumps' housings, and diminished pump output. The pumps have reached the end of their useful life and should be rehabilitated. This project will rehabilitate the Module No. 1 vertical turbine washwater lift pumps, modify the piping for the Module No. 1 service water and washwater lift pumps, and will replace the open motors with closed motors.

Jensen Modules 2 and 3 Traveling Bridge and Basin Rehabilitation

This project will rehabilitate Modules Nos. 2 and 3 traveling bridges and sedimentation basins at the Jensen plant to enhance solids removal efficiency. Planned work includes replacing the existing traveling bridge end-truck structure, drive system, rails, and racks; replacing suction pumps and flexible hoses; retrofitting the suction piping; replacing sludge line piping, rehabilitating/replacing launder gates and launders; upgrading the bridge control system and power supply; replacing the 48-existing basin inlet gate actuators; recoating bridge trusses; replacing basin guardrails; and installing improvements to prevent bird nesting within the basin.

Jensen Ozone PSU and Critical Component Upgrade

Ozone is used as the primary disinfectant at Metropolitan's treatment plants. However, the critical systems associated with ozone generation have deteriorated or have become obsolete after 17 years of operation and need to be upgraded. This project will upgrade the units that provide power to the Jensen plant's ozone generators and will replace outdated components of other critical systems associated with the plant's ozone generation, which have reached the end of their service life, and are no longer supported by the original equipment manufacturer. The systems to be upgraded include the following areas: (1) power supply unit (PSU); (2) nitrogen supply system; (3) ozone destruct units; (4) dissolved ozone; (5) cooling water loop; (6) ozone generator dielectrics; (7) liquid oxygen vaporizers; and (8) other components of the ozone system. This project also will make modifications to re-purpose one existing PSU chiller as a backup HVAC chiller.

Jensen Raw Water Emergency Bypass

The Jensen plant is located within proximity of a number of faults, which are capable of generating large earthquakes. In the event of a large earthquake that can cause extensive damages to the plant and disables the water treatment capability, the plant does not have an emergency raw water bypass to deliver raw water under a boil water order in such a need were to occur. This project will improve resiliency against severe earthquake and enhance operational flexibility by constructing a raw water emergency bypass for the Jensen plant.

Jensen Reservoir Bypass Gate Refurbishment

The Jensen plant's existing reservoir bypass gates were installed in 1972 and allow the reservoirs to be isolated in case of water quality issues. The bypass gates are corroded and are currently inoperable because portions of the bronze bearings are degraded and missing. This project will enhance infrastructure security, and resiliency, and will improve the reliability of water deliveries by replacing the reservoir bypass gates.

Jensen Site Security Upgrade

The outdated Jensen plant's security system needs an upgrade to minimize risk of an intrusion. The existing camera system is undersized and aged. Planned upgrade includes installation of additional card readers and motion-activated lights in sensitive areas; replacement of existing aging security cameras with high resolution cameras; addition of new cameras, motion detection devices, and public announcement speakers to monitor the perimeter of the plant and deter intruders; replacement of security signage to meet current code; security upgrades of first floor windows; addition of horizontal structural support to strengthen the existing gates; and addition of new defensive barrier plants and trees to screen the west side of the Jensen plant.

Jensen Solids Handling System Upgrades

Efficient recovery of water from residual solids is critical for the operation and efficiency of the Jensen plant, the current system consisting of solids thickeners on the Jensen site, and solids lagoons located at the adjacent Los Angeles Department of Water and Power (LADWP) site.

The solids thickeners play a key role in the recovery of water from the residual solids. During thickener operation, operators rotate valves daily to divert flow of residual solids to different thickeners. These valves leak and are difficult to access. This project will reconfigure Solids Pump Station No. 2 to allow better access to the valves; and upgrade the solids splitter vault to facilitate remote operation.

Metropolitan has an ongoing lagoon use agreement with LADWP, which allows for Metropolitan's use of four of the lagoons located at the Los Angeles Aqueduct Filtration Plant (LAAFP) to process solids generated and conveyed from the Jensen plant. Under this agreement, two of the lagoons can be used until October 1, 2062, and the other two until October 1, 2022. To reliably support the Jensen plant operation and provide operational flexibility during unfavorable source-water quality or higher water demand, it was recently determined that construction of two new lagoons to replace the two existing lagoons that must be returned to LADWP is not sufficient. This project will design and construct a new mechanical solids handling facility at the Jensen plant instead of constructing two new lagoons to replace the ones that must be returned to LADWP. This new mechanical facility will be sized to handle all of Jensen plant's solids handling needs when treating as much as 500 mgd.

San Fernando Road Rail Crossing Rehabilitation

The Jensen plant receives water treatment chemical supply by rail. Metropolitan's chlorine vendor is transitioning to heavier chemical railcars which require heavier gauge rails to meet Federal Railroad Administration regulations for hazardous chemical transportation requirements. This project will rehabilitate the deteriorated railroad crossing at San Fernando Road, upgrade the strength of the rails and turnout, add concrete crossing panels to handle heavy truck traffic, replace damaged asphalt, and install crossing arms and signage. This is a new project for this budget cycle.

Mills Project Group**Mills Basin Solids Removal Improvements**

Currently, the Mills plant removes solids from each sedimentation basin using a bridge-mounted siphon system and discharges the solids to the retention basins. However, the siphon flow cannot be adequately controlled. As a result, excessive amounts of water are often siphoned to the retention basins, causing increased solids drying time and reduced retention basin capacity. This project will upgrade the traveling bridges' solids removal equipment and controls to improve the solids removal process at the Mills plant's Modules Nos. 3 and 4. The new equipment and controls will allow the plant to optimize its solids removal process by simultaneously reducing the amount of water removed from the basin and reducing excessive solids build-up in the basins.

Mills Electrical Upgrades

The electrical system at the Mills plant has deteriorated through long-term use, is difficult to maintain and repair, and needs improved backup capability. Failure of a single electrical device could impact the treatment process. The electrical upgrades at the Mills plant will be completed in three stages. Stage 1 upgrades addressed the highest priority work, including replacement of obsolete circuit breakers, expansion of the electrical building for UPC-9, installation of new air conditioning system, installation of MCCs and distribution of power feed to chemical feeds systems, washwater return pumps, modules 3 and 4 filter surface wash pumps, and improvement of power reliability for key process equipment. Stage 2 upgrades will add a second incoming 12 kV service from Riverside Public Utilities and upgrade the plant's main switchgear and standby generator switchgear. Stage 3 upgrades will install climate control systems and doors at two electrical buildings, modify electrical manholes, replace digital metering modules for all motor control centers, and add fiber optic cabling.

Mills Fluorosilicic Acid Tank Replacement

The Mills plant relies on two 6,250-gallon cross-linked high-density polyethylene (HDPE) tanks for the storage of fluorosilicic acid. These tanks have a recommended service life of 10 years and have been in service since 2007. Recent inspections have identified leakage at the bolted connections of both tanks. This project will replace the fluorosilicic acid storage tanks with capacity of 7,900-gallon and improved mechanical properties to provide an expected service life of 20 years. The project will also replace coating in the containment area as necessary.

Mills Modules 3 and 4 Flash Mix Chemical Containment Upgrades

The existing flash mix areas at Mills Plant Modules 3 and 4 contain chemical feed equipment for ammonia, polymer, caustic, alum, sodium hypochlorite and chlorine. The equipment is contained within a low concrete curb. To reduce the risk of chemical releases, improved containment is needed. This project will replace the chemical piping in the area with double-walled piping with a leak detection system; replace flow meters, valves, actuators, and control panels, and install flow meter display units in a weatherproof enclosure outside of the containment areas.

Mills Ozone PLC Control and Communication Equipment Upgrade

The Mills plant ozonation equipment utilizes a type of Programmable Logic Controller (PLC) that was introduced to the commercial market in 1988. Computer hardware from that era is now outdated, and the PLC manufacturer has announced that it will no longer produce or support this equipment. Inventories of spare parts will no longer be maintained once exhausted. Failure of a PLC and/or its communication module could cause a disruption in the ozone control system. This project will replace the equipment and modify the software to operate with the new equipment for the Mills ozone control system. The upgraded system will feature Metropolitan-standardized PLCs in an open-architecture approach that staff will be able to maintain and upgrade in the future.

Mills Perimeter Security and Erosion Control Improvements

The Mills plant has approximately 14,500 linear feet of perimeter fencing that is primarily a chain link with a height of six to eight feet. The fencing and several of the entry gates are deteriorating and may be vulnerable to security breaches. In addition, stormwater runoff has eroded an area on the southern boundary of the plant. This project will replace 7,700 feet of the existing fence with security fencing along the plant's southern, northern and western boundaries, replace existing guard shack and motorized sliding gate at the Barton Street entrance with motorized double swing gate with associated controls, replace three existing secondary gates with taller security gates with security cameras, and install one security camera at each of the sliding gates. Grading and erosion control improvements, such as installation of v-ditches and flow re-direction, will also be performed to prevent sediment from leaving the site. All improvements will be consistent with Mills plant's architectural design guidelines, and with Metropolitan's approach to facility security.

Mills Raw Water Emergency Bypass

The Mills plant is located within proximity of a number of faults, which are capable of generating large earthquakes. In the event of a large earthquake that can cause extensive damages to the plant and disables the water treatment capability, the plant does not have an emergency raw water bypass to deliver raw water under a boil water order in such a need were to occur. This project will improve resiliency against severe earthquake and enhance operational flexibility by constructing a raw water emergency bypass for the Mills plant.

Skinner Project Group**Skinner Finished Water Reservoir Slide Gates Rehabilitation**

The three operational slide gates (Inlet, Outlet, and Bypass) that control the inlet and outlet flows from the Skinner Finished Water Reservoir have been exposed to a corrosive and wet environment since 1991. Visual inspections identified leaking gates and continuing deterioration of the slide gates' exterior coatings. These gates have been in service for 28 years and have not been recoated. This project will rehabilitate the three Skinner Finished Water Reservoir slide gates. The gates will be removed from the gate frames, thoroughly inspected for carbon steel material loss, blasted and recoated to extend their service life. The existing gate frames will be replaced with new frames and other installation components (i.e., guides, wedge blocks, and seals). In addition, the rejection structure will be modified to separate the stormwater and rejection water pipelines and prevent potential stormwater from flowing into the finished water reservoir.

Skinner Fire Protection System Expansion

The installation of a new Battery Energy Storage System (BESS) at the Skinner plant requires improvements to the plant's fire protection system. This project constructs a new fire hydrant, water pipes, and other improvements to provide a permanent fire protection water source for the Skinner's solar facility and BESS to comply with the fire codes. This is a new project for this budget cycle.

Skinner Fluorosilicic Acid Tank Replacement

Fluorosilicic acid tanks will be removed and replaced with two 8,200-gallon above-ground (Fluoride) tanks at the Skinner Plant. New extrusion-molded linear HOPE tanks will be installed. To minimize changes in the tank farm, the new tanks will match the dimensions and capacity of the existing tanks. Scope will include modification to the tank farm to provide access during construction and associated piping work to connect the new storage tanks to the existing chemically compatible PVDF tank farm piping. The new tanks will be mounted on the existing tank pads.

Skinner Module 7 Filter Inlet Valve Gearbox Replacement

Replace existing sixteen (16) units of discontinued and failing filter inlet valve gearboxes on Module 7 East and West Filter basins with new gearboxes to maintain a reliable filter operation at Skinner Plant. Removal of existing gearboxes and installation of new units will be undertaken by Skinner District Forces with the assistance of Engineering. Scheduling of the equipment replacement will be in accordance with Skinner Plant's water treatment operational requirements and with the water demand and supply conditions within the Skinner service area. Minor field adjustments will be done to align the existing actuators and vertical valve extension stems with the new valve and gearbox assemblies at the bottom of the filter influent channel.

Skinner Ozone Contactor Roof Elastomeric Coating

Leakage through cracks in Skinner plant's ozone roof deck was found in 2010. Cracks in the concrete roof deck can allow rain and nuisance water to be drawn down into the contactors which then mixes with the freshly ozonated water, creating a potential cross-connection. The water and air penetrating through the existing concrete roof decks exposes the rebar and structural steel in the decks, creating the potential of eventual structural failure to the roof decks. In addition, in order to keep the constant vacuum in the contactors, the Ozone Destruct Units have to work excessively which consumes additional electricity and affects the Destruct Units reliability and long-term life span. This project will abrasive blast, apply primer, and coat 61,000 square-feet of the Ozone Contactor Building concrete roof deck with an elastomeric coating to reduce potential structural damage and operational impact.

Skinner Ozone Contactors 1-2 and Influent Channel Concrete Refurbishment

Ozone gas and ozonated water are extremely corrosive oxidizers and can penetrate concrete walls to cause significant corrosion of structural steel and equipment. This project will inject chemical grout into the existing concrete walls of the Skinner Ozone Contactor Nos. 1 and 2 and the influent channel, in order to prevent ozone gas and ozonated water from penetrating the concrete walls.

Skinner Ozone Generator PLC Control & Communication Equipment Upgrade

The Skinner plant ozonation equipment utilizes a type of Programmable Logic Controller (PLC) that was introduced to the commercial market in 1988. Computer hardware from that era is now outdated, and the PLC manufacturer has announced that it will no longer produce or support this equipment. In addition, inventories of spare parts will no longer be maintained once exhausted. Failure of a PLC and/or its communication module could cause a disruption in the ozone control system. This project will replace the equipment and modify the software to operate with the new equipment for the Skinner ozone control system. The upgraded system will feature Metropolitan-standardized PLC's in a new code format to enable future maintenance and modifications as may be operationally necessary.

Skinner Plant 1 - Concrete Joint Sealant Replacement

Concrete joint sealant throughout Skinner Plant 1 is cracked, delaminating, degraded, or missing as it has exceeded its service life. The degradation has allowed vegetation growth and moisture, sediment, and other outside contaminants to enter and penetrate into the concrete joints. This project will remove severely degraded concrete joint sealant throughout Plant 1, prepare and primer the existing joints, and replace with new concrete joint sealant.

Skinner Raw Water Emergency Bypass

The Skinner plant is located within proximity of a number of faults, which are capable of generating large earthquakes. In the event of a large earthquake that can cause extensive damages to the plant and disables the water treatment capability, the plant does not have an emergency raw water bypass to deliver raw water under a boil water order in such a need were to occur. This project will improve resiliency against severe earthquake and enhance operational flexibility by constructing a raw water emergency bypass for the Skinner plant.

Skinner Sulfuric Acid Transfer Line Rehabilitation

The sulfuric acid transfer system at the Skinner plant is used to move chemical between tanks and is also used to homogenize the chemical within individual tanks. This critical water treatment system recently experienced a leak in a transfer pipeline. This project will replace degraded transfer and recirculation pipes with pipe made from more appropriate material, and includes adding pressure relief valves and alarms, and other appurtenant work to improve the safety and reliability of the sulfuric acid transfer system. This is a new project for this budget cycle.

Skinner WTP Service Building 1 Rehabilitation

Service Building 1 Rehabilitation will replace the sanitation facilities and roofing system and improve the staff work/meeting/lunch areas of the building. The scope includes the following: replace the roofing system; replace/upgrade all MEP and HVAC systems (mechanical; electrical; plumbing, heating, and air conditioning) to current building codes; upgrade IT requirements; comply with ADA requirements; improve employees shared facilities and offices (bathroom, locker rooms, break rooms, meeting rooms, cubicles); and abate all hazardous materials. Option to replace the building will be considered during the early phases of this project.

Weymouth Project Group**Oxidation Demonstration Plant Rehabilitation**

Constructed in 1992, the 5.5 MGD Oxidation Demonstration Plant (ODP) provides a 1:100 demonstration-scale test facility of Metropolitan's full-scale plants. This demonstration scale testing capability is needed to ensure that Metropolitan continues to meet all current and future drinking water regulations. Currently, much of ODP's infrastructure has reached the end of its service life, which adversely affects the facility's continued safe and reliable operation. Among other associated improvements, the project will remove obsolete equipment; install new ozone generators, a new liquid oxygen (LOX) storage tank, and associated equipment; install variable frequency drives (VFDs) for the backwash pumps; rehabilitate secondary containment system for all chemicals used at the plant; and upgrade other electrical, mechanical, and control systems to make the plant operation more efficient, reliable, and safe. This is a new project for this budget cycle.

Weymouth Administration and Control Building Seismic Upgrades

The Weymouth Administration Building has been in service since 1941 and houses the plant's control room and administrative staff. The building needs to be seismically upgraded to current standards since this building is over 77 years old and is a critical facility to the operation of the water treatment plant. The project includes reinforcement of the walls for the plant's filter outlet channel and abandoned inlet channel.

In conjunction with the seismic upgrades, the California Building Code (CBC) requires the installation of a fire sprinkler system and accessibility improvements. Electrical, mechanical, and plumbing components impacted by the upgrades will also be reconfigured and modernized. The Weymouth plant's water quality sampling laboratory and office space will also be updated and optimized where required. The existing laboratory has been in continuous service for nearly 32 years.

Weymouth Basins 1 & 2 Rehabilitation

Basins Nos. 1 & 2 were built in 1939 as part of the original Weymouth plant construction. Each basin has a treatment capacity of 57.5 million gallons per day. These basins were originally designed to treat Colorado River Water (CRW). With the addition of State Project Water (SPW), the plant periodically requires higher coagulant dosages than CRW. As a result, the basins operated at a higher solids loading rate than the rate for which the basins were originally designed. This situation has dramatically increased run time on the basins' circular sludge rakes, which remove sludge from the basins. As originally designed, the sludge rakes only operated 1 to 2 hours every 4-7 days. Under current conditions, the sludge rakes are operated 6 to 12 hours each day which results in more frequent maintenance. These basins also have had issues with low solids-settling rates within the basins and high particle loading to the filters, or short-circuiting. The project includes the rehabilitation of the flocculation basins, settling basins, sludge collection equipment, baffling, and edge weirs.

Weymouth Basins 5 - 8 and Inlet Channel Refurbishment

The basin inlet channels deliver water to each of the Weymouth plant's eight flocculation/sedimentation basins. The inlet channel serving Basins Nos. 1-4 is a concrete box culvert constructed in 1940, while the inlet channel serving Basins Nos. 5-8 was constructed in 1962. A structural assessment of the basin inlet channels has found that they should be upgraded to reduce the risk of damage from a major seismic event. Inspections have also identified that wooden baffle walls have deteriorated after repeated wet and dry cycles and have shown a propensity to support algae and microbial growth.

For the inlet channel serving Basins Nos. 1-4, this project will strengthen the conduit and will reconfigure the channel to provide additional flexibility. For the Basins Nos. 5-8 refurbishment, the project includes repairing the steel guides; replacing the drive and paddle shaft assemblies; replacing the baffle boards, supports, and paddle wheel boards in the flocculation section. The project also includes filling the interior corners of each cell with sloping concrete fillets to direct residual solids into the path of the rotating scrapers; refurbishing the structural members of the catwalks; replacing the sedimentation basin sludge collector rakes, drives, and pumps; replacing launders, launder isolation gates, and drains; installing utilities, handrails, and other work necessary to complete the basin refurbishment. Replacement of inlet channel gates for Basins 1 through 8 and inlet channel seismic structural upgrades for Basins 5 through 8 are also part of this project.

Weymouth Chlorine Delivery Railroad Tracks Replacement

The Weymouth plant receives chlorine deliveries via rail cars. The railroad spur to the Weymouth plant was originally installed in the 1930s to transport material and equipment for the construction of the Weymouth plant. This project will replace the track dedicated to the Weymouth plant, improve traffic control and intersections as necessary, and install new rail car scales. This is a new project for this budget cycle.

Weymouth Chlorine Maintenance Shop Expansion

With the completion of the Weymouth Chlorine System Upgrades project, the amount of equipment to maintain has increased resulting in insufficient space in the existing shop to perform necessary maintenance and accommodate storage of equipment and spare parts. Storage cabinets and electrical panels have been added where desks and workspace were located. Also, due to the space limitations, spare equipment is currently stored in the two storage bays which poses the potential of the equipment being compromised in the event of a leak. This project will expand the existing Chlorine Maintenance Shop including a room addition to ensure adequate working space and storage exist to address these space, storage, and maintenance needs to reliably maintain the chlorine equipment for the expanded chlorine process. This is a new project for this budget cycle.

Weymouth Dry Polymer System Upgrade

Cationic polymers are used as a coagulant aid for the washwater reclamation plant, and nonionic polymers are needed to meet filter performance regulations when treating high State Project Water (SPW) blends. Depending on the quality of the source water, both dry polymers may need to be applied simultaneously. However, the current dry polymer system only has one mixing train available. Since these feed systems share a common polymer mixer, it is difficult to operate both systems at the same time. Additionally, the existing dry polymer mixer uses a type of batch mixer that can only make a single batch at a time and frequently clogs. The mixer is housed in a metal structure that does not meet current seismic codes although it was constructed to meet the codes at that the time of construction.

The project will construct a new dry polymer mixing facility to replace the existing facility. The scope of the project includes construction of a new building designed to meet current seismic standards, installation of a dry polymer mixing system to allow simultaneous mixing and feeding of cationic and nonionic polymers, independently; and construction of a covered containment area to house feed equipment and new polymer storage tanks.

Weymouth Filter Valve Replacement

The original filter valves in Building No. 1 were installed in two stages in 1941 and 1949, and were replaced in the early 1970s with similar valves. These valves are not consistent with modern American Water Works Association (AWWA) standards. The filter valves in Building No. 2 were installed during the second plant expansion in 1962 and are similar in dimension to the valves in Building No. 1. The existing filter valve bodies exhibit corrosion, the rubber seats are worn, and many valves leak after 47 to 57 years of continuous operation. In addition, the frequency of repairs to the actuators is increasing, and spare parts are difficult to obtain. This project will replace all filter valves and actuators in both Filter Building Nos. 1 and 2 with Metropolitan furnished AWWA-standard valves and current industry-standard actuators. This project will also replace or refurbish appurtenant equipment which is ancillary to the reliable operation of the filter valves, such as flow meters, underdrain valves, electrical and control systems, pipes, and other equipment.

Weymouth Hazardous Waste Staging and Containment

The existing hazardous waste storage area requires a number of upgrades to enhance compliance with current codes and to provide enhanced safety measures, such as providing spill containment, eyewashes and safety shower, a canopy, leak detection, and sump. These utilities are all available at the existing sulfuric acid tank farm, which is no longer utilized. As the existing hazardous waste storage area does not provide containment to capture spills or leaks there is potential for hazardous waste to runoff to the storm drain system as well as exposure to plant personnel.

This project will relocate the existing Hazardous Waste Staging and Containment Facility to the existing sulfuric acid tank farm in order to account for deficiencies at the existing facility. The existing sulfuric acid tank farm, located approximately 100 feet from the existing hazardous waste area, is a 30' x 30' containment area with a roof, sump, SCADA controls, eyewash station, power, and potable water that can be cost effectively utilized to relocate the hazardous waste facility.

Weymouth Solids Handling Rehabilitation

Residual solids generated during the water treatment process are sent to the gravity thickeners to separate water from the solids before being sent to belt presses in the solids handling facility for further dewatering. Dewatered solids are then pumped to elevated hoppers for storage prior to offsite disposal. Mechanical equipment at the solids handling facility has experienced frequent failures, and the facility itself requires full-time staffing to operate. Regular failures occur with the system's bridge breakers, which break apart dewatered solids so that they can be pumped to the hoppers. The facility also experiences frequent issues with the hoppers. After the belt presses dewater the solids, polymer solution is added to the discharge side of the cake pumps to facilitate pumping. This produces a cake-like material that often sticks to the hoppers' mechanical components and impedes opening and closing of the hopper gates. Rehabilitation of the solids handling facility is necessary to maintain its long-term function, reduce maintenance and operational labor costs, and reduce chemical costs.

This project will identify and implement the most feasible rehabilitation of the facility and to evaluate the capacity of the facility's decant lines. Options for rehabilitation include: (1) eliminating the existing cake pumps and installing a conveyor belt system to transfer the dewatered solids to the hopper system without the addition of liquid polymer; (2) transferring solids to a separate storage area where the solids are held prior to being hauled offsite. This project will also evaluate modifications within the building that would facilitate future equipment repairs and replacement; and (3) constructing sludge lagoons that would replace the belt press facility as the main solids handling facility to process residual solids.

Weymouth Wastewater Pumpback Improvements

When ozone is used as the plant's primary disinfectant, the ozone generators will produce the amount of ozone needed based on flow into the plant. The plant inlet flow can experience fluctuations when the washwater return pumps that send flow back to the head of the plant, cycle on and off. Ideally, the flow to the ozone contactors would be consistent. However, the existing pump station has a small forebay as compared to the capacity of the washwater pumps. The forebay receives flow from both the Washwater Reclamation Plant and the Oxidation Demonstration Plant (ODP) clearwell. Significant changes in flow from these two facilities may increase fluctuation in ozone dose requirements.

This project will evaluate options to improve minimizing fluctuations in the treated washwater flow returned to the plant inlet and implement the most effective and feasible option. Options for improvements include: (1) construction of a new stand-alone pumpback structure with adequate buffering instead of making improvements to the existing washwater pumpback structure; and (2) modifying the ODP clearwell pumps with variable speed pumps; upgrading washwater pump station pump program to moderate changes in pump speed; reconfiguring the ODP clearwell pumps so that one pump is dedicated for backwash, one pump is dedicated for pumpback, and one pump as a spare for either of the two pumps; and other improvements identified during early stages of the project

Weymouth Wheeler Gates Security Improvements

Construction vehicles and chemical delivery trucks access the Weymouth plant through the Wheeler entrance gate. This project will provide safety and security improvements to the Weymouth plant's Wheeler gate, including construction of a new guard enclosure; improved lighting, security cameras, and communication features; crash rated gates at vehicle and train entrances; perimeter wall and fencing along Wheeler Avenue; two traffic lanes at the entrance and exit; chemical delivery staging and containment area; and vehicle rejection turn-about outside the plant entrance gate.

Treatment - General Project Group

CUF Dechlorination System Upgrade

The chlorine unloading facility (CUF) is used to transfer liquid chlorine from rail cars to cargo trailers for delivery to Metropolitan facilities. The goal of this project is to enhance compliance with discharge regulations and allow the transfer of liquid chlorine from rail cars to cargo trailers to occur over a wide range of operating conditions. This project will evaluate available technologies; perform a pilot study, if needed, to determine the most feasible technology; and will explore methods and technologies of neutralizing chlorine in order to improve chlorine transloading ability throughout the year. This project will upgrade the existing system that neutralizes chlorine at CUF.

Water Quality Program

Fiscal Year 2022/23 Estimate: \$0

Fiscal Year 2023/24 Estimate: \$0.8 million

Program Information: The Water Quality Program is comprised of projects to add new facilities to ensure compliance with water quality regulations for treated water, located at Metropolitan's treatment plants and throughout the distribution system.

Accomplishments for FY 2020/21 and FY 2021/22

- New projects initiated:
 - None
- Major milestones achieved:
 - Weymouth Hypochlorite Feed Facilities – Completed project
 - Weymouth ORP - Ozonation Facilities Construction, and Completion Activities – Completed project

Objectives for FYs 2022/23 and 2023/24

Project	Total Project Estimate	Estimated Construction Completion	Major Milestones
Mills Enhanced Bromate Control	\$ 5,700,000		Complete final design

Water Quality - All Project Group

Mills Enhanced Bromate Control Facilities

The Mills plant is currently using a temporary system built for bromate reduction. This system has been running successfully and has proven the effective use of chloramines in bromate control and the reduced operational costs over a wider range of influent water quality conditions. This project will replace the temporary feed, metering, monitoring, and injection (chlorine and ammonia) system with a permanent system which will incorporate new doubled walled piping, double wall containment, new flow metering, new chlorinators, new analyzers, and new ammonia feed tank. The full implementation of this project will significantly reduce the current operational costs of bromate control as well as provide greater control of bromate formation over a wide range of influent water quality conditions. The project also includes replacement of two existing chlorinators with new units for lower chlorine dosage control flexibility.