



- Board of Directors
Finance, Audit, Insurance, and Real Property Committee

5/9/2023 Board Meeting

8-6

Subject

Adopt resolution to continue Metropolitan's Water Standby Charge for fiscal year 2023/24; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA

Executive Summary

This action continues the Standby Charge at a rate ranging from \$1.65 to \$14.20 per year for each acre or parcel (if less than an acre) of nonexempt real property within the service area of member agencies that have elected since fiscal year (FY) 1993/94 to pay all or a portion of their Readiness-to-Serve (RTS) Charge obligation through the Standby Charge. The Standby Charge has been collected for those agencies at rates that do not exceed the rates set in FY 1993/94. Continuance of the Standby Charge generates funds that are applied against the participating member agencies' RTS Charge obligation.

Details

Background

On April 12, 2022, Metropolitan's Board of Directors adopted Resolution 9303, fixing and adopting the RTS Charge for the calendar year (CY) 2023. On April 11, 2023, the Board adopted Resolution 9341, fixing and adopting the RTS Charge for CY 2024. The proposed resolution (**Attachment 1**) provides participating member agencies the ability to continue having a portion of their RTS Charge collected by the Standby Charge within their respective service areas for FY 2023/24, which covers a portion of each of the calendar year (CYs) 2023 and 2024. **Attachment 1** is a form of resolution that, if adopted by the Board, will continue the Standby Charge for FY 2023/24.

The amount of the Standby Charge, per acre or per parcel (if less than an acre), within each of the participating member agencies has not exceeded the rates set in FY 1993/94 and has been collected within the service areas of 22 of Metropolitan's 26 member agencies that have elected to pay all or a portion of their respective RTS Charge through the Standby Charge since then. Metropolitan proposes to continue the Standby Charge for the coming fiscal year at rates not exceeding the rates set in FY 1993/94, and therefore, no additional statutory procedures are required for approval.

The resolution also authorizes the General Manager to act upon applications for exemption of certain lands from the collection of the Standby Charge in accordance with the terms and conditions for exemption specified in the resolution. In addition, the resolution provides for an appeal process to review and make recommendations to the Board on appeals by property owners who have been denied the exemption, with final determinations to be made by the Board. The exemption criteria are the same as those adopted for prior years and will be subject to specific guidelines set by the General Manager.

Funds collected from the proposed continuation of the Standby Charge will be segregated to ensure that they are used only for the purposes for which the Standby Charge was collected. **Attachment 2** is the Notice to Member Agencies of Proposed Adoption of Readiness-to-Serve Charge and Capacity Charge for Calendar Year 2024 and Continuation of Standby Charge for Fiscal Year 2023/24, sent to member agencies via email on February 3, 2023.

Policy

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

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 4301(a): Cost of Service and Revenue Requirement

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

Metropolitan Water District Administrative Code Section 4305: Setting of Charges to Raise Fixed Revenue

Metropolitan Water District Administrative Code Section 4507: Billing and Payment for Water Deliveries

Metropolitan Water District Administrative Code Section 11104: Delegation of Responsibilities

By Minute Item 52790, dated April 12, 2022, the Board approved the biennial budget for fiscal years 2022/23 and 2023/24 and adopted the resolution fixing and adopting a Readiness-to-Serve Charge for CY 2023.

By Minute Item 53217, dated April 11, 2023, the Board adopted the resolution fixing and adopting a Readiness-to-Serve Charge for CY 2024.

California Environmental Quality Act (CEQA)

CEQA determination for Option #1:

The proposed action is not defined as a project under CEQA (Public Resources Code Section 21065, State CEQA Guidelines Section 15378) because it will not cause either a direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment and it involves continuing administrative activities, such as general policy and procedure making (Section 15378(b)(2) of the State CEQA Guidelines). In addition, the proposed action is not defined as a project under CEQA because it involves the creation of government funding mechanisms or other government fiscal activities, which do not involve any commitment to any specific project which may result in a potentially significant physical impact on the environment (Section 15378(b)(4) of the State CEQA Guidelines).

CEQA determination for Option #2:

None required

Board Options

Option #1

Adopt the resolution to continue the Standby Charge for fiscal year 2023/24.

Fiscal Impact: Collect \$44.0 million (approximately) through the continuation of the Standby Charge in fiscal year 2023/24 that would be applied towards the RTS Charge obligation of the participating member agencies.

Business Analysis: This option involves the collection of charges that result in fixed revenues of \$44.0 million (approximately) to pay all or a portion of the RTS Charge of participating member agencies, which is done at the option of the participating member agencies. The Standby Charge does not create additional revenue for Metropolitan beyond the total RTS Charge due by member agencies; it is used by the participating member agencies to meet their RTS Charge obligation.

Option #2

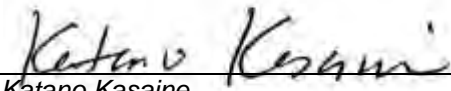
Do not adopt the resolution to continue the Standby Charge for fiscal year 2023/24, which would require the participating member agencies to pay the full RTS Charge directly to Metropolitan, rather than having a portion collected through the Standby Charge.

Fiscal Impact: Metropolitan member agencies would pay the full RTS Charge directly to Metropolitan, including the \$44.0 million (approximately) that would have been collected in FY 2023/24 through the continuation of the Standby Charge.

Business Analysis: This option would require the member agencies participating in the Standby Charge to pay the \$44.0 million (approximately) in RTS Charge obligations that would otherwise have been paid through the collection of the Standby Charge.

Staff Recommendation

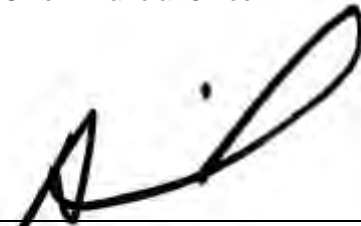
Option #1



Katano Kasaine
Assistant General Manager/
Chief Financial Officer

4/27/2023

Date



Adel Hagekhalil
General Manager

4/27/2023

Date

Attachment 1 – Resolution of The Board of Directors of The Metropolitan Water District of Southern California Continuing the Water Standby Charge for Fiscal Year 2023/24

Attachment 2 – Notice to Member Agencies of Proposed Adoption of Readiness-to-Serve Charge and Capacity Charge for Calendar Year 2024 and Continuation of Standby Charge for Fiscal Year 2023/24

Ref# cfo12688941

THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

RESOLUTION XXXX

**RESOLUTION OF THE BOARD OF DIRECTORS
OF THE METROPOLITAN WATER DISTRICT OF
SOUTHERN CALIFORNIA CONTINUING THE
WATER STANDBY CHARGE FOR FISCAL YEAR
2023/24**

The Board of Directors of the Metropolitan Water District of Southern California (the “Board”), hereby finds that:

1. At its meeting on April 12, 2022, the Board adopted Resolution 9303 “Resolution of the Board of Directors of The Metropolitan Water District of Southern California Fixing and Adopting a Readiness-to-Serve Charge Effective January 1, 2023;”
2. At its meeting on April 11, 2023, the Board adopted Resolution 9341 “Resolution of the Board of Directors of The Metropolitan Water District of Southern California Fixing and Adopting a Readiness- to-Serve- Charge Effective January 1, 2024;”
3. Certain member public agencies (“member agencies”) of Metropolitan have elected to pay all or a portion of their Readiness-to-Serve (“RTS”) Charge obligation through the continuance of the Metropolitan water standby charge (“Standby Charge”) collected from parcels within those member agencies;
4. Metropolitan is willing to comply with the requests of member agencies opting to have Metropolitan continue to collect the Standby Charge within their respective territories, on the terms and subject to the conditions contained herein;
5. Section 134.5 of the Metropolitan Water District Act authorizes the Board to collect a service charge from member agencies or, as an alternative, to collect a service charge as a standby charge against individual parcels within the district;
6. Metropolitan first established the Standby Charge in 1992, pursuant to the procedures authorized by Section 134.5 of the Metropolitan Water District Act and the Uniform Standby Charge Procedures Act (“USCPA”), Sections 54984-54984.9, inclusive, of the Government Code;
7. The Standby Charge has not exceeded the rates set in fiscal year 1993/94, and in fiscal year 1995/96 was reduced to \$0.00 for the member agencies electing not to have any portion of their RTS Charge obligation collected through the Standby Charge;
8. The Standby Charge is not subject to the procedures set forth in Article XIII D, Section 4 of the California Constitution effective July 1, 1997 (Proposition 218), as the Standby Charge has not exceeded the rates set in fiscal year 1993/94, has not exceeded the amount of the Standby Charge existing in fiscal year 1996/97 when Proposition 218 became effective, and the proceeds of the Standby Charge are used for purposes specified in Section 5 of Article XIII D; and
9. The particular charge, per acre or per parcel, applicable to land within each member agency, the method of its calculation, and the specific data used in its determination are as specified in the Engineer’s Report dated April 2023, supporting the RTS Charge and Standby Charge option (the “Engineer’s Report”), which is attached hereto and on file with the Board Executive Secretary of Metropolitan; and
10. Written notice of the intention of Metropolitan’s Board to consider and take action at its regular meeting of May 9, 2023, to continue the Standby Charge for fiscal year 2023/24 was given to each of

Metropolitan's member agencies.

NOW THEREFORE, the Board of Directors of The Metropolitan Water District of Southern California does hereby resolve, determine and order as follows:

Section 1. That the Board of Directors of Metropolitan, pursuant to the Engineer's Report, finds that lands within Metropolitan are benefited as described in such report and on that basis, hereby continues its Standby Charge for fiscal year 2023/24 on lands within requesting member agencies of Metropolitan to which water is made available for any purpose, whether water is actually used or not, as specified in the Engineer's Report.

Section 2. That the rates of such Standby Charge, per acre of land, or per parcel of land less than an acre, as shown in the Engineer's Report, may vary by member agency, and shall not exceed the amount of the fiscal year 1996/97 Standby Charge for the member agency. The Standby Charge applicable to each electing member agency, the method of its calculation, and the specific data used in its determination are as specified in the Engineer's Report which was prepared by a registered professional engineer certified by the state of California, which methodology is in accordance with Section 134.5 of the Metropolitan Water District Act and reflects the range of costs provided in Metropolitan's Fiscal Years 2022/23 and 2023/24 Cost of Service Report for Proposed Rates and Charges.

Section 3. That the Standby Charge, per acre of land, or per parcel of land less than an acre, applicable to land within each electing member agency as allocated in the Engineer's Report shall be as follows for fiscal year 2023/24:

2023/24 Water Standby Charge

<u>Member Agency</u>	<u>Amount</u>
Anaheim	\$8.55
Beverly Hills	---
Burbank	14.20
Calleguas MWD	9.58
Central Basin MWD	10.44
Inland Empire Utilities Agency	7.59
Coastal MWD*	11.60
Compton	1.65
Eastern MWD	6.94
Foothill MWD	10.28
Fullerton	10.71
Glendale	12.23
Las Virgenes MWD	8.03
Long Beach	12.16
Los Angeles	---
MWD of Orange Co.**	10.09
Pasadena	11.73
San Diego CWA	11.51
San Fernando	0.00
San Marino	8.24
Santa Ana	7.88
Santa Monica	---
Three Valleys MWD	12.21
Torrance	12.23
Upper San Gabriel Valley MWD	9.27
West Basin MWD	--
Western MWD of Riverside Co.	9.23

* Applicable to parcels included within territory of former Coastal MWD.

** Exclusive of parcels included within territory of former Coastal MWD.

Section 4. That the Standby Charge shall continue to be collected on the tax rolls, together with the *ad valorem* property taxes that are levied by Metropolitan for the payment of pre-1978 voter approved indebtedness. The amounts of the Standby Charge are continued at amounts that are not estimated to exceed a member agency's RTS Charge obligation. However, any amounts collected shall be applied as a credit against the applicable member agency's RTS Charge obligation. After such member agency's RTS Charge allocation is fully satisfied, any additional collections shall be credited to other outstanding obligations of such member agency to Metropolitan that funds the capital costs or maintenance and operation expenses for Metropolitan's water system, or future RTS Charge obligations of such agency. Any member agency requesting to have all or a portion of its RTS Charge obligation collected through the Standby Charge levies within its territory as provided herein shall pay any portion not collected through net Standby Charge collections to Metropolitan within fifty (50) days after Metropolitan issues an invoice for the remaining RTS Charge obligations for such member agency, as provided in Administrative Code Section 4507.

Section 5. That the following exemption procedures apply:

(a) It is the intent of the Board that the following lands shall be exempt from the Standby Charge:

(1) lands owned by the Government of the United States, the state of California, or by any political subdivision thereof or any entity of local government; (2) lands permanently committed to open space and maintained in their natural state that are not now and will not in the future be supplied water; (3) lands not included in (1) or (2) above, which the General Manager, in his discretion, finds do not now and cannot reasonably be expected to derive a benefit from the projects to which the proceeds of the Standby Charge will be applied; and (4) lands within any member public agency, subagency, or city if the governing body of such public entity elects and commits to pay out of funds available for that purpose, in installments at the time and in the amounts established by Metropolitan, the entire amount of the Standby Charge which would otherwise be collected from lands within those public entities. However, no exemption from the Standby Charge shall reduce the applicable member agency's RTS Charge obligation. The General Manager may develop and implement additional criteria and guidelines for exemptions in order to effectuate the intent expressed herein.

(b) The General Manager shall establish and make available to interested applicants procedures for filing and consideration of applications for exemption from the Standby Charge pursuant to subsections (2) and (3) of Section 5(a) above. All applications for such exemption and documents supporting such claims must be received by Metropolitan in writing on or before December 31, 2023. The General Manager is further directed to review any such applications for exemption submitted in a timely manner to determine whether the lands to which they pertain are eligible for such exemption and to allow or disallow such applications based upon those guidelines. The General Manager shall also establish reasonable procedures for the filing and timing of the appeals from his determination. The procedures will be on file and available for review by interested parties at Metropolitan's headquarters.

(c) The Finance, Audit, Insurance, and Real Property Committee of Metropolitan's Board of Directors shall hear appeals from determinations by the General Manager to deny or qualify an application for exemption from the Standby Charge. The Finance, Audit, Insurance, and Real Property Committee shall consider such appeals and make recommendations to the Board to affirm or reverse the General Manager's determinations. The Board shall act upon such recommendations and its decision as to such appeals shall be final.

Section 6. That no exemption from the Standby Charge shall reduce the applicable member agency's RTS Charge obligation, nor shall any failure to collect, or any delay in collecting, any Standby Charge excuse or delay payment of any portion of the RTS Charge when due.

Section 7. That the RTS Charge is collected by Metropolitan as a rate, fee or charge from its member agencies, and is not a fee or charge imposed upon real property or upon persons as incidents of property ownership, and the Standby Charge is collected within the respective territories of electing member agencies as a mechanism for collection of the RTS Charge. In the event that the Standby Charge, any portion thereof, or the collection of the Standby Charge, is determined to be an unauthorized or invalid fee, charge or assessment by a final judgment in any proceeding at law or in equity, which judgment is not subject to appeal, or if the collection of the Standby Charge shall be permanently enjoined and appeals of such injunction have been declined or exhausted, or if Metropolitan

shall determine to rescind or revoke the Standby Charge, then no further Standby Charge shall be collected within any member agency and each member agency which has requested the continuation of the Metropolitan Standby Charge as a means of collecting its RTS Charge obligation shall pay such RTS Charge obligation in full, as if such Standby Charge had never been sought.

Section 8. That the General Manager is hereby authorized and directed to take all necessary action to secure the collection of the Standby Charge by the appropriate county officials, including payment of the reasonable cost of collection.

Section 9. That the General Manager and the General Counsel are hereby authorized to do all things necessary and desirable to accomplish the purposes of this Resolution, including, without limitation, the commencement or defense of litigation.

Section 10. That if any provision of this Resolution or the application to any member agency, property or person whatsoever is held invalid, that invalidity shall not affect other provisions or applications of this Resolution which can be given effect without the invalid portion or application, and to that end the provisions of this Resolution are severable.

I HEREBY CERTIFY that the foregoing is a full, true and correct copy of a Resolution adopted by the Board of Directors of The Metropolitan Water District of Southern California, at its meeting held on May 9, 2023.

Secretary of the Board of Directors
of The Metropolitan Water District
of Southern California

**THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA
ENGINEER'S REPORT**

**PROGRAM TO SET A READINESS-TO-SERVE CHARGE EFFECTIVE JANUARY 1, 2024,
INCLUDING LOCAL OPTION TO CONTINUE COLLECTING A STANDBY CHARGE,
DURING FISCAL YEAR 2023/24**

April 2023

BACKGROUND

The Metropolitan Water District of Southern California is a public agency with a primary purpose to provide imported wholesale water service for domestic and municipal uses to its 26 member public agencies. Approximately 19 million people reside within Metropolitan's service area, which covers approximately 5,200 square miles and includes portions of the six counties of Los Angeles, Orange, Riverside, San Bernardino, San Diego and Ventura. Metropolitan historically provided between 40 and 60 percent of the water used within its service area. To supply Southern California with reliable and safe water, Metropolitan imports water from the Colorado River and Northern California to supplement its member agencies' local supplies, and helps its member agencies develop increased water conservation, recycling, storage and other local resource programs.

REPORT PURPOSES

As part of its role as a regional imported water supplier, Metropolitan builds capital facilities and implements water management programs that ensure the delivery of reliable high-quality water supplies throughout its service area. The purpose of this report is to: (1) identify and describe those facilities and programs that will be financed in part by Metropolitan's Readiness-to-Serve (RTS) Charge, and (2) describe the method and basis for levying Metropolitan's Standby Charge for those agencies electing to continue to collect a portion of their RTS obligation through Metropolitan's Standby Charge in fiscal year 2023/24. **Because the Standby Charge is levied and collected on a fiscal year basis the calculations in this report also are for the fiscal year, even though the RTS Charge is levied on a calendar year basis.** The RTS Charge for calendar year 2023 was adopted by Metropolitan's Board on April 12, 2022 and the RTS Charge for 2024 will be considered by the Board on April 11, 2023. The Board will consider the continuation of the Standby Charge for fiscal year 2023/24 on May 9, 2023.

Metropolitan collects the RTS Charge from its member agencies to recover a portion of the capital costs including debt service on bonds issued to finance capital facilities needed to meet demands on Metropolitan's system for emergency storage and available capacity to meet outages and hydrologic variability. The Standby Charge is collected from parcels of land within Metropolitan's member agencies that have elected to collect all or a portion of their RTS obligation through the Standby Charge, as a method of recovering the costs of special benefits conferred on parcels within their service area. The RTS Charge will partially pay for the facilities and programs described in this report, namely, the amount attributable to the portions providing emergency storage and available capacity to meet outages and hydrologic variability. The Standby Charge, when collected, will be utilized solely for capital payments and debt service on the capital facilities funded by the RTS Charge, as identified in this report.

The budgeted total RTS revenue for fiscal year 2023/24 is \$160.5 million, of which \$44.0 million is estimated to be collected via the Standby Charge. The Standby Charge is collected on property tax bill.

METROPOLITAN'S RESPONSE TO FLUCTUATING WATER DEMANDS AND AVAILABILITY OF WATER SOURCES

Metropolitan's member agencies have widely differing imported water supply needs and the availability of imported water supply from various sources also varies widely. 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 and/or based on a variety of other factors, these agencies rely on Metropolitan to make up any shortfalls in local water supplies. Similar coordination challenges arise in managing water available from Metropolitan's various water supply sources.

To respond to fluctuating demands for water, Metropolitan and its member agencies collectively examined the available local and imported resource options in order to develop a least-cost plan that meets the reliability and quality needs of the region. The product of this intensive effort was an Integrated Resources Plan (IRP) for achieving a reliable and affordable water supply for Southern California. The major objective of the IRP was to develop a comprehensive water resources plan that ensures (1) reliability, (2) affordability, (3) water quality, (4) diversity of supply, and (5) adaptability for the region, while recognizing the environmental, institutional, and political constraints to resource development. As these constraints change over time, the IRP is periodically revisited and updated by Metropolitan and the member agencies to reflect current conditions. The most recent update was adopted in 2016. In 2022, Metropolitan's Board adopted the 2020 IRP Regional Needs Assessment that incorporated scenario planning to address wide-ranging uncertainties rather than focusing on a single set of assumptions as in the past. To meet the water supply needs of the region, Metropolitan continues to identify and develop additional water supplies to maintain the reliability of the imported water supply and delivery system to its member agencies.

CAPITAL FACILITIES — CONVEYANCE AND DISTRIBUTION

Metropolitan's total water system has been built over time to meet the widely differing needs of its member agencies and the various sources of water available to Metropolitan. To meet those needs, Metropolitan's water delivery system is comprised of three basic conveyance and delivery components that form one integrated water system:

- State Water Project (SWP);
- Colorado River Aqueduct (CRA); and
- Distribution System

The system draws on diverse supply sources, transports water across a large part of the State and distributes water in six counties, where member agencies or their retail sub-agencies serve an estimated 19 million people. The CRA and the California Aqueduct of the SWP 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. The system is an interconnected regional conveyance and distribution system with the ability to deliver supplies from each of the SWP, the CRA, and its storage portfolio to most areas of its vast and diverse service area to almost every member agency. This flexibility derives from the capital facilities and provides local and system-wide benefits to all member agencies, as the facilities directly contribute to the reliable delivery of water supplies throughout Metropolitan's service area. The 2020 IRP Needs Assessment, however, identified reliability risks faced by member agencies that depend predominantly on SWP supplies served by Metropolitan.

As the 2007 Integrated Area Study (IAS) emphasized, regional system flexibility is a key component of overall reliability.¹ Today, system flexibility continues to be essential to the availability of Metropolitan's services.² 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. Metropolitan 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 serve as large an area as is determined to be reasonable and practical with SWP water; and where a blend of water sources is served, to have the objective to the extent determined to be reasonable and practical, that at least 50 percent of the blend be SWP water. (MWD Act, Sec. 136.)

Metropolitan's intent in the 2007 Integrated Area Study was to provide equitable reliability across its service area through a balanced combination of infrastructure, storage, demand management, and water supply programs. In the context of climate change, historical hydrology proved an inadequate guide to supplies available from the State Water Project and the Colorado River. From 2020 through 2022, imported supply losses outstripped the ability of Metropolitan's portfolio to compensate. Further, Metropolitan could not provide equitable service to all member agencies. As such, Metropolitan's board in August 2022 adopted a resolution that committed to three new policy statements:

1. All member agencies must receive equivalent water supply reliability through an interconnected and robust system of supplies, storage, and programs.
2. Metropolitan will reconfigure and expand its existing portfolio and infrastructure to provide sufficient access to the integrated system of water sources, conveyance and distribution, storage, and programs to achieve equivalent levels of reliability to all member agencies.
3. Metropolitan will eliminate disparate water supply reliability through a One Water integrated planning and implementation approach to manage finite water resources for long-term resilience and reliability, meeting both community and ecosystem needs

Operational flexibility is being increased by creating an interconnected regional delivery network integrating the SWP and the CRA conveyance systems with the Distribution System. This integrated network will fully allow Metropolitan to incorporate supply from the SWP and the CRA 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 Desert Water Agency/Coachella Valley Water District Advanced Delivery account, in-basin surface storage in Diamond Valley Lake and Lake Mathews, and in-basin groundwater Conjunctive Use Programs. This integrated, regional network also allows Metropolitan to move supplies throughout the system in response to service demands, supply availability and operational needs.

Metropolitan's integrated conveyance, distribution and storage assets contributes to regional system reliability, with a structural limitation that became starkly evident in the 2020-2022 drought. It is fair and reasonable for member agencies and all property owners within the service area to share the cost of developing and maintaining these assets and newly identified system flexibility projects because they all benefit from regional system reliability.

¹ 2007 Integrated Area Study, Report No. 1317, pg. 2-10.

² 2023 Annual Operating Plan, pg. 5-15

State Water Project Description and Benefits

One of Metropolitan's two major sources of water is the SWP.³ 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 consists of a complex system of dams, reservoirs, power plants, pumping plants, canals and aqueducts to deliver water. See Figure 1. 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. In addition to the delivery of SWP water, the SWP is also used to convey transfers of SWP water and non-SWP water. 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.

³ 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 132-19 dated December 2022 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>.

Figure 1. Facilities of the State Water Project

The SWP is managed and operated by the Department of Water Resources (DWR). 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 29 agencies and districts, known collectively as the State Water Contractors (Contractors). The Contractors are participants in the SWP through long-term contracts for the delivery of SWP water and use of the SWP transportation facilities.

In 1960, Metropolitan signed the first water supply contract (as amended, the State Water Contract) with DWR. The original term of the water supply contract was 75 years. In 2022, a contract extension was authorized which extended the original term by another 50 years to 2085. In addition to SWP water, Metropolitan also obtains water from water transfers, groundwater banking and exchange programs delivered through the California Aqueduct.

Since 1960, the SWP system has been extended, improved, and refurbished. All such costs are payable by the Contractors. California WaterFix was a comprehensive science-based solution proposed by the state to modernize critical water delivery infrastructure of the SWP. On October 10, 2017, Metropolitan's Board voted to support financing for the California WaterFix project. However, the state terminated the project in April 2019. Consistent with the Governor's Executive Order N-10-19, the state then announced a new single tunnel Delta conveyance project, which was notably included as part of the Governor's 2020 Water Resilience Portfolio. In 2019, DWR initiated planning and environmental review for a single tunnel Delta Conveyance Project (DCP) to protect the future reliability of access to SWP supplies. In December 2020, the Metropolitan Board authorized the General Manager to execute agreements for (a) funding a share of up to 60.2 percent for planning and pre-construction costs for the DCP, and (b) an amendment to the Joint Powers Agreement for the Delta Conveyance Design and Construction Joint Powers Authority. A Delta conveyance project will contribute to the improvement of capital facilities needed to meet demands on Metropolitan's system for emergency storage and available capacity to meet outages and hydrologic variability. Metropolitan's biennial budget for fiscal years 2022/23 and 2023/24 includes Metropolitan's planned contribution of \$99.0 million for DWR's planning costs of a new Delta conveyance project.

All Metropolitan member agencies benefit from the SWP system and its supplies, which—when available--can be distributed to all member agencies. As described above, the 2020-2022 drought led Metropolitan's board to recommit itself to equitable water supply reliability and to direct staff to identify and pursue solutions to prevent a reoccurrence. Metropolitan's member agencies distribute that water to parcels as retail water providers or as wholesale water providers to retail agencies. In this way, the SWP water that Metropolitan delivers to its member agencies contributes to water available to existing and future end users throughout Metropolitan's service area. The cost of the net capital payments for the SWP less the portion covered by property taxes in fiscal year 2023/24 is \$92.6 million, as shown in Table 1. Real property throughout Metropolitan's service area benefits from the availability of the SWP facilities and its integration into Metropolitan's system and therefore all such costs may be attributed to such parcels. However, Metropolitan's Standby Charge collects only \$44.0 million of the total \$352.9 million system costs, representing 12% of the total system costs.

Colorado River Aqueduct Description and Benefits

Metropolitan's other major source of water is 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 five pumping plants, 450 miles of high voltage power lines, one electric substation, four regulating reservoirs, and 242 miles of aqueducts, siphons, canals, conduits and pipelines terminating at Lake Mathews in Riverside County. See Figure 2. Metropolitan owns, operates, and manages the Colorado River Aqueduct. 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.

Metropolitan incurs capital and operations and maintenance expenditures to support the CRA activities. The direct costs of the CRA activities include labor, materials and supplies, as well as 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 cost functions, such as the CRA Conveyance and Aqueduct function. The capital cost of the Colorado River Aqueduct and Inland Feeder in fiscal year 2023/24 is \$77.0 million, and is included in the Non-SWP Conveyance System line item in Table 1. Real property throughout Metropolitan's service area benefits from the availability of the CRA facilities and its integration into Metropolitan's system and therefore all such costs may be attributed to such parcels. However, Metropolitan's Standby Charge collects only \$44.0 million of the total \$352.9 million system costs, representing 12% of the total system costs.

Figure 2. Colorado River Aqueduct

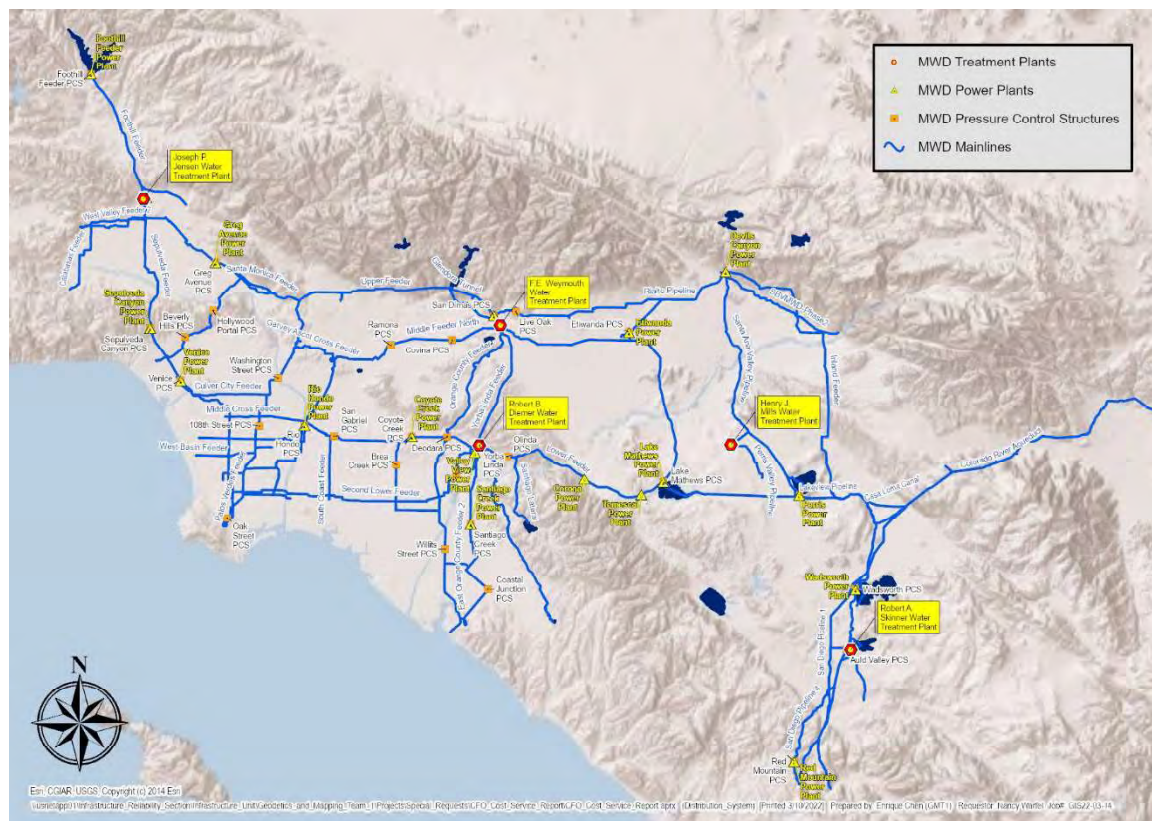


Metropolitan's Conveyance and Distribution System Benefits

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. See Figure 3. For a list of Metropolitan's conveyance facilities within its service area, see Table 3. All other water transport facilities, including pipelines, feeders, laterals, canals and aqueducts, are considered to be 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. For a list of Metropolitan's distribution facilities, see Table 3.

All water transport facilities not specifically identified as part of the regional conveyance system are considered to be distribution facilities (Distribution System). While conveyance and aqueduct system components are regional in nature and generally 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 CRA and SWP 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. 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 3. Metropolitan's Distribution and Storage Facilities



Metropolitan has an ongoing commitment, through physical system improvements and the maintenance and rehabilitation of existing facilities, to maintain the reliable delivery of water throughout the entire service area. System improvement projects include additional conveyance and distribution facilities to maintain the dependable delivery of water supplies, provide alternative system delivery capacity, and enhance system operations. Conveyance and distribution system improvement benefits also include projects to upgrade obsolete facilities or equipment, or to rehabilitate or replace facilities or equipment. These projects are needed to enhance system operations, comply with new regulations, and maintain a reliable distribution system. A list of conveyance and distribution system facilities is provided in Table 3 along with the fiscal year 2023/24 estimated conveyance and distribution system benefits. The capital cost of the Distribution System in fiscal year 2023/24 is \$80.1 million, and is included in the Distribution System line item in Table 1. Real property throughout Metropolitan's service area benefits from the availability of the Distribution System and its integration into Metropolitan's system and

therefore all such costs may be attributed to such parcels. However, Metropolitan's Standby Charge collects only \$44.0 million of the total \$352.9 million system costs, representing 12% of the total system costs.

CAPITAL FACILITIES – WATER STORAGE

System Storage Benefits

The Metropolitan system, for purposes of meeting demands during times of shortage, regulating system flows, and ensuring system reliability in the event of a system outage, provides over 1,000,000 acre-feet of system storage capacity. Diamond Valley Lake provides 810,000 acre-feet of that storage capacity, effectively doubling Southern California's previous surface water storage capacity. Other 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.

Water stored in system storage during above average supply conditions (surplus) provides a reserve against shortages when supply sources are limited or disrupted. Water storage also preserves Metropolitan's capability to deliver water during scheduled maintenance periods, when conveyance facilities must be removed from service for rehabilitation, repair, or maintenance. The benefits of these capital facilities are both local and system-wide, as the facilities directly contribute to the reliable delivery of water supplies throughout Metropolitan's service area. The capital costs of water storage in fiscal year 2023/24 is \$103.2 and, as shown in Table 1. Real property throughout Metropolitan's service area benefits from the availability of the storage capacity throughout the service area and its integration into Metropolitan's system and therefore all such costs may be attributed to such parcels. However, Metropolitan's Standby Charge collects only \$44.0 million of the total \$352.9 million system costs, representing 12% of the total system costs.

METROPOLITAN'S REVENUE

Metropolitan's major capital facilities are financed largely from the proceeds of revenue bond issues, which are repaid over future years. The principal source of revenue for repayment of these bonds is water sales to its member agencies, which is currently Metropolitan's largest source of revenue. In addition, *ad valorem* property taxes provide an additional limited revenue source, which is used to pay pre-1978 voter-approved indebtedness. However, the use of water rates as a primary source of revenue has placed an increasing burden on member agencies and their ratepayers, which would more equitably continue to be paid in part by assessments on land that in part derives its value from the availability of water through an integrated and reliable water system.

Readiness-To-Serve

In December 1993, Metropolitan's Board approved a revenue structure that included additional charges to establish a commitment to Metropolitan's capital improvement program and provide revenue stability. This revenue structure included the RTS Charge, which in 1995 certain member agencies opted to pay in part pursuant to the collection of a standby charge. In October 2001, the Board adopted the current unbundled rate structure, and maintained the RTS Charge.

As noted above, Metropolitan levies the RTS Charge on its member agencies to recover capital costs, including a portion of the debt service on bonds issued to finance capital facilities needed to meet existing demands on Metropolitan's system for emergency storage and available capacity.

The estimated fiscal year 2023/24 RTS Charge for each member agency is shown in Table 4.

Standby Charge Option

Metropolitan's Standby Charge is authorized by the State Legislature and has been levied by Metropolitan since fiscal year 1992/93. The Standby Charge recognizes that there are economic benefits to lands that have access to a water supply, whether or not such lands are using it, which excludes lands permanently committed to open space and maintained in their natural state that are not now and will not in the future be supplied water and lands that the General Manager, in his discretion, finds do not now and cannot reasonably be expected to derive a benefit from the projects to which the proceeds of the Standby Charge will be applied. Utilization of the Standby Charge transfers some of the burden of maintaining Metropolitan's capital infrastructure from water rates and *ad valorem* taxes to all the benefiting properties within the service area. A fraction of the value of this benefit and of the cost of providing it can be effectively recovered, in part, through the levying of a standby charge. The projects to be supported in part by the Standby Charge are capital projects that provide both local and Metropolitan-wide benefit to current landowners as well as existing water users.

Although a standby charge could have been set to recover all Conveyance, Distribution, and Storage costs as detailed in Table 1, Metropolitan's continued Standby Charge only collects about 12% of those costs. For fiscal year 2023/24, the amount to be recovered by the RTS Charge is estimated to be \$160.5 million and of that only \$44.0 million is estimated to be recovered by the Standby Charge.

The Standby Charge for each acre or parcel of less than an acre varies from member agency to member agency, as permitted under the legislation establishing Metropolitan's Standby Charge. The water Standby Charge for each member agency is continued at amounts not to exceed the rates in place since fiscal year 1996/97 and is shown in Table 5, which consists of composite rates by member agencies, not to exceed \$15.00. The composite rates consisted in part of a uniform component of \$5 applicable throughout Metropolitan, and in part of a variable component, not exceeding \$10 in any member public agency, reflecting the allocation of historical water deliveries by the member agencies as of fiscal year 1993/94 when the composite rates were initially established. Metropolitan will continue Standby Charges only within the service areas of the member agencies that have requested that the Standby Charge be utilized for purposes of meeting their outstanding RTS obligation. Although rates may not exceed the amounts in place in fiscal year 1996/97, some rates may be lower.

The Standby Charge is proposed to be collected from: (1) parcels on which water standby charges have been levied in fiscal year 1993/94 and annually thereafter and (2) parcels annexed to Metropolitan and to an electing member agency after January 1997. Table 6 lists parcels annexed, or to be annexed, to Metropolitan and to electing member agencies during fiscal year 2021/22, such parcels being subject to the Standby Charge upon annexation.

The estimated costs of Metropolitan's wholesale water system, which could be paid by a Standby Charge, are approximately \$352.9 million for fiscal year 2023/24, as shown in Table 1. An average total Standby Charge of about \$71.36 per acre of land or per parcel of land less than one acre would be necessary to pay for the total potential program benefits. Benefits in this amount will accrue to each acre of property and parcel within Metropolitan's service area, as Metropolitan delivers water to member agencies that contributes to water available to these properties, via that member agency or a retail sub-agency. Because Metropolitan's water deliveries to member agencies contributes to water available only to properties located within Metropolitan's service area boundaries (except for certain contractual deliveries as permitted under Section 131 of the Metropolitan Water District Act), any benefit received by the public at large or by properties outside of the area is merely incidental.

Table 5 shows that the distribution of Standby Charge revenues from the various member agency service areas would provide net revenue flow of approximately \$44.0 million for fiscal year 2023/24. Metropolitan will use other revenue sources, such as water sales revenues, RTS Charge revenues (except to the extent collected through standby charges, as described above), interest income, and revenue from sales of hydroelectric power, to pay for the remaining program costs. Additionally, the actual Standby Charge proposed to be continued ranges from

\$1.65 to \$15 per acre of land or per parcel of land less than one acre. Thus, the benefits of Metropolitan's investments in water conveyance, storage, and distribution far exceed the recommended Standby Charge.

Equity

The RTS Charge is a firm revenue source. The revenues to be collected through this charge will not vary with sales in the current year. This charge is levied on Metropolitan's member agencies and is not a fee or charge upon real property or upon persons as an incident of property ownership. It ensures that agencies that only occasionally purchase water from Metropolitan but receive the reliability benefits of Metropolitan's system pay an equitable share of the costs to provide that reliability. Within member agencies that elect to pay the RTS Charge through Metropolitan's standby charges, the Standby Charge results in a lower RTS Charge than would otherwise be necessary due to the amount of revenue collected from lands which benefit from the availability of Metropolitan's water system. With the Standby Charge, these properties are now contributing a more appropriate share of the cost of importing water to Southern California.

Metropolitan's water system increases the availability and reliable delivery of water throughout Metropolitan's service area. A reliable system benefits existing end users and land uses through retail water service provided by Metropolitan member agencies or by water retailers that purchase water from a Metropolitan member agency, and through the replenishment of groundwater basins and reservoir storage as reserves against shortages due to droughts, natural emergencies, or scheduled facility shutdowns for maintenance. The benefits of reliable water resources from the SWP, CRA, Storage, and system improvements accrue to more than 250 cities and communities within Metropolitan's six-county service area. Metropolitan's regional water system is interconnected, so water supplies from the SWP and CRA can be used throughout most of the service area and therefore benefit water users and properties system-wide.

A major advantage of a firm revenue source, such as an RTS charge, is that it contributes to revenue stability during times of drought or low water sales. It affords Metropolitan additional security, when borrowing funds, that a portion of the revenue stream will be unaffected by drought or by rainfall. This security will help maintain Metropolitan's historically high credit rating, which results in lower interest expense to Metropolitan, and therefore, lower overall cost to its member agencies.

SUMMARY

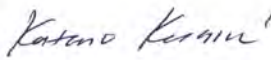
The foregoing and the attached tables describe the current costs of Metropolitan's system and benefits provided by the projects listed as mainstays to the water system for Metropolitan's service area. Benefits are provided to member agencies, their retail sub-agencies, water users and property owners. The projects represented by this report provide both local benefits as well as benefits throughout the entire service area. It is recommended, for calendar year 2024, that the Metropolitan Board of Directors adopt the RTS Charge as set forth in Table 4 with an option for local agencies to request that a Standby Charge be collected for fiscal year 2023/24 from lands within Metropolitan's service area as a credit against such member agency's RTS Charge, up to the Standby Charge amounts collected by Metropolitan within the applicable member agency for fiscal year 1996/97. The maximum Standby Charge would not exceed \$15 per acre of land or per parcel of less than one acre. The costs of the system described in this Engineer's Report exceeds the recommended Standby Charge by at least \$309 million. A preliminary listing of all parcels subject to the proposed 2023/24 Standby Charge and the amounts proposed to be continued for each is available in the office of the Chief Financial Officer. A final listing is available upon receipt of final information from each county.

Prepared Under the Supervision of:



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TABLE 1
ESTIMATED COSTS OF
WATER SYSTEM INFRASTRUCTURE
BENEFITING REAL PROPERTY WITHIN METROPOLITAN'S SERVICE AREA

	Estimated Program Costs for FY2023/24	Dollars Per Parcel of 1 Acre or Less
Capital Payments for Water System Infrastructure		
Net Capital Payments to State Water Project (SWP) (less portion paid by property taxes)	\$ 92,638,623	\$21.40
Non Tax Supported Capital Costs for Non-SWP Conveyance System ¹	\$ 76,958,748	\$17.78
Non Tax Supported Capital Costs for Distribution System ²	\$ 80,127,382	\$18.51
Non Tax Supported Capital Costs for Water Storage ³	\$ 103,219,347	\$23.84
Total Capital Payments	\$ 352,944,100	\$81.52
 Estimated Standby Charge Revenues	 \$ 43,984,259	 \$10.16
Percent Collected by Standby Charge	12%	
 Total Remaining Costs Not Paid by Standby Charge	 \$ 308,959,841	 \$71.36

Notes:

[1] Non-SWP Conveyance include the Colorado River Aqueduct and Inland Feeder.

[2] Distribution facilities include the pipelines, laterals, feeders and canals that distribute water throughout the service area.

[3] System storage includes Diamond Valley Lake, Lake Mathews, Lake Skinner and several other smaller surface reservoirs which provide storage for operational purposes.

Totals may not foot due to rounding

TABLE 2	
WATER RECYCLING, GROUNDWATER RECOVERY AND CONSERVATION PROJECTS	
Project Name	FISCAL YEAR 2023/24 Payment
Water Recycling Projects	\$7,337,544
Alamitos Barrier Reclaimed Water Project	
Anaheim Water Recycling Demonstration Project	
Burbank Recycled Water System Expansion Phase II Project	
Capistrano Valley Non Domestic Water System Expansion	
CBMWD Recycled Water System Expansion Phase I	
Development of Non-Domestic Water System in Ladera Ranch and Talega Valley	
Direct Reuse Project Phase IIA	
Dry Weather Runoff Reclamation Facility	
Eastern Recycled Water Pipeline Reach 16 Project	
El Toro Phase II Recycled Water Distribution System Expansion Project	
El Toro Recycled Water System Expansion	
Elsinore Valley Recycled Water Program	
EMWD Recycled Water System Expansion Project	
Escondido Regional Reclaimed Water Project	
Griffith Park South Water Recycling Project	
Groundwater Reliability Improvement Program Recycled Water Project	
Hansen Area Water Recycling Phase I Project	
Hansen Dam Golf Course Water Recycling Project	
Harbor Water Recycling Project	
Lake Mission Viejo Advanced Purification WTF	
Las Flores Recycled Water System Expansion Project	
Leo J. Vander Lans Water Treatment Facility Expansion Project	
Los Angeles Taylor Yard Park Water Recycling Project	
Michelson/Los Alisos Water Reclamation Plant Upgrades and Distribution System Expansion Project	
North Atwater Area Water Recycling Project	
North City Water Reclamation Project	
North Hollywood Area Water Recycling Project	
Otay Recycled Water System	
Oxnard Advanced Water Purification Facility Project	
Padre Dam MWD Reclaimed Water System Phase I	
Rowland Water District Portion of the City of Industry Regional Recycled Water Project	
San Clemente Recycled Water System Expansion Project	
San Elijo Water Reclamation System	
Santa Maria Water Reclamation Project	
Sepulveda Basin Sports Complex Water Recycling Project	
Sepulveda Basin Water Recycling Project - Phase 4	
Terminal Island Recycled Water Expansion Project	
USGVMWD Portion of the City of Industry Regional Recycled Water Project	
Van Nuys Area Water Recycling Project	

TABLE 2 (Continued)	
WATER RECYCLING, GROUNDWATER RECOVERY AND CONSERVATION PROJECTS	
Project Name	FISCAL YEAR 2023/24 Payment
Water Recycling Projects (continued)	
Walnut Valley Water District Portion of the City of Industry Regional Recycled Water Project	
West Basin Water Recycling Program Phase V Project	
Westside Area Water Recycling Project	
Groundwater Recovery Projects	\$11,348,173
Beverly Hills Desalter Project	
Cal Poly Pomona Water Treatment Plant	
Capistrano Beach Desalter Project	
Chino Basin Desalination Program / IEUA	
Chino Basin Desalination Program / Western	
Colored Water Treatment Facility Project	
Fallbrook Groundwater Desalter Project	
Irvine Desalter Project	
IRWD Wells 21 & 22 Desalter Project	
North Pleasant Valley Regional Desalter	
Perris II Brackish Groundwater Desalter	
Pomona Well #37-Harrison Well Groundwater Treatment Project	
Round Mountain Water Treatment Plant	
San Juan Basin Desalter Project	
Santa Monica Sustainable Water Supply Project	
Temescal Basin Desalting Facility Project	
On-site Retrofit Program	\$3,000,000
Future Supply Actions	\$2,422,500

TABLE 2 (Continued)	
WATER RECYCLING, GROUNDWATER RECOVERY AND CONSERVATION PROJECTS	
Project Name	FISCAL YEAR 2023/24 Payment
Conservation Projects	\$25,000,000
Regionwide Residential	
Regionwide Commercial	
Member Agency Administered/MWD Funded	
Water Savings Incentive Program	
Landscape Training Classes	
Landscape Irrigation Surveys	
Pilot Programs/Studies	
Inspections	
Landscape Transformation Program (Turf Replacement)	
Disadvantaged Communities Program	
Total Demand Management Programs	\$49,108,217

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Storage Facilities

ALAMEDA CORRIDOR, PIPELINE RELOCATION, PROTECTION
 CAPITAL PROGRAM FOR PROJECTS COSTING LESS THAN \$250,000-LIVE OAK
 CAPITAL PROGRAM FOR PROJECTS COSTING LESS THAN \$250,000-MORRIS DAM
 CHINO BASIN GROUNDWATER SERVICE CONNECTION CB-15T
 CHLORINATION AND PH CONTROL FACILITIES- ORANGE COUNTY & GARVEY (50/50)
 CLEARING OF LAKE MATHEWS RESERVOIR AREA
 CONVERSION OF DEFORMATION SURVEY MONITORING AT COPPER BASIN
 COPPER BASIN AND GENE WASH DAM, INSTALL SEEPAGE ALARM (50/50)
 COPPER BASIN RESERVOIR SUPERVISORY CONTROL
 COPPER BASIN SEWER SYSTEM
 CORONA DEL MAR RESERVOIR- REPLENISHMENT
 CORONA DEL MAR RESERVOIR- CHLORINATION STATION
 CRANE - LAKE MATHEWS OUTLET TOWER (ORG CONST)
 DAM MONITORING SYSTEM UPGRADES - Lake Mathews
 DAM MONITORING SYSTEM UPGRADES - LAKE SKINNER
 DAM SEISMIC ASSESSMENT - PHASE 3
 DAM SEISMIC UPGRADES - PHASE 3
 DIAMOND VALLEY LAKE DAM MONITORING SYSTEM UPGRADE
 DIAMOND VALLEY LAKE DAM MONITORING SYSTEM UPGRADES - STAGE 3
 DIAMOND VALLEY LAKE DAM MONITORING SYSTEM UPGRADES - STAGES 1 & 2
 DIAMOND VALLEY LAKE INLET/OUTLET TOWER FISH SCREEN REPLACEMENT - CONSTRUCTION
 DIAMOND VALLEY LAKE MONITORING SYSTEM UPGRADES
 DIAMOND VALLEY LAKE, CAL PLAZA CHARGES
 DIAMOND VALLEY LAKE, CONSULTANT COSTS
 DIAMOND VALLEY LAKE, DAM DEFORMATION MONITORING
 DIAMOND VALLEY LAKE, EAST DAM SUMP PUMP ELECTRICAL STUDY
 DIAMOND VALLEY LAKE, GENERAL CONSTRUCTION MGMT, 2000-2001
 DIAMOND VALLEY LAKE, INUNDATION MAPS
 DIAMOND VALLEY LAKE, UNDERGROUND TANK CLOSURE
 DIAMOND VALLEY RECREATION, EAST MARINA
 DIAMOND VALLEY RECREATION, FISHERY
 DIAMOND VALLEY RECREATION, MUSEUM FOUNDATION REHABILITATION
 DIAMOND VALLEY RECREATION, SEARL PARKWAY IMPROVEMENTS, PHASE I
 DIAMOND VALLEY TRAILS PROGRAM, TRAILS
 DISTRICT DESIGN AND INSPECTION - MORRIS DAM
 DISTRICT RESERV, AQUEOUS AMMONIA FEED SYSTEM
 DISTRICT RESERVOIR - LONGTERM CHEMICAL FAC CONTAINMENT
 DOMESTIC WATER SUPPLY - LAKE MATHEWS (ORG CONST)
 DOMESTIC WATER SYSTEM-PALOS VERDES RESERVOIR (INTERIM CONST)
 DVL - SEARL PARKWAY EXTENSION - PHASE 2
 DVL - SEARL PARKWAY LANDSCAPING
 DVL EAST DAM ELECTRICAL UPGRADES
 DVL EAST DAM POWER LINE REALIGNMENT
 DVL INLET/OUTLET FISH SCREEN REHABILITATION
 DVL RECREATION - ALTERNATE ACCESS ROAD
 DVL RECREATION, COMMUNITY PARK AND REGIONAL AQUATIC FACILITY
 DVL SECURITY ENHANCEMENT
 DVL, CONSTRUCTION
 DVL, CONSTRUCTION CLAIMS SUPPORT
 DVL, CONSTRUCTION MANAGEMENT SERVICE
 DVL, CONSTRUCTION SUPERVISION
 DVL, CONSTRUCTION, WEST DAM FOUNDATION
 DVL, DEDICATION CEREMONY
 DVL, DISTURBED
 DVL, DOMENIGONI PARK
 DVL, EAST DAM
 DVL, EAST DAM EMBANKMENT
 DVL, EAST DAM FENCING
 DVL, EAST DAM INLET OUTLET TOWER CONSTRUCTION
 DVL, EAST DAM LANDSCAPE SCREENING
 DVL, EAST DAM NORTH RIM REMEDIATION
 DVL, EAST DAM P-1 FACILITIES
 DVL, EAST DAM SITE COMPLETION
 DVL, EAST DAM STATE STREET IMPROVEMENTS
 DVL, EAST DAM VERTICAL SLEEVE VALVE
 DVL, EAST MARINA, PHASE 2
 DVL, EXCAVATION
 DVL, FIXED CONE, SPHERE
 DVL, GENERAL
 DVL, GRADING OF CONT
 DVL, INSTALL NEW WATERLINE
 DVL, MISC SMALL CONS
 DVL, NORTH HIGH WATER ROAD
 DVL, P-1 PUMPING FACILITY
 DVL, PROCUREMENT
 DVL, SCOTT ROAD EXTENSION
 DVL, SOUTH HIGH WATER ROAD & QUARRY
 DVL, SPILLWAY
 DVL, START UP
 DVL, VALLEY-WIDE SITE ROUGH GRADING
 DVL, WORK PACKAGE
 DVL, WORK PACKAGE 1
 DVL, WORK PACKAGE 10, INLET OUTLET WORK
 DVL, WORK PACKAGE 11, FOREBAY
 DVL, WORK PACKAGE 12, TUNNEL
 DVL, WORK PACKAGE 13, P-1 PUMP OPERATIONS FACILITY
 DVL, WORK PACKAGE 14, PC-1
 DVL, WORK PACKAGE 15, SITE CLEARING
 DVL, WORK PACKAGE 16, GROUNDWATER MONITORING
 DVL, WORK PACKAGE 17, FIELD OFFICE
 DVL, WORK PACKAGE 18, TEMPORARY VISITOR CENTER
 DVL, WORK PACKAGE 19, PERMANENT VISITOR CENTER
 DVL, WORK PACKAGE 2, EASTSIDE PIPELINE
 DVL, WORK PACKAGE 20, EAST DAM EXCAVATION, FOUNDATION
 DVL, WORK PACKAGE 21, WEST DAM EXCAVATION, FOUNDATION
 DVL, WORK PACKAGE 23, WEST RECREATION AREA

TABLE 3 CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS	
Description	
Storage Facilities	
DVL, WORK PACKAGE 24, EAST RECREATION AREA	
DVL, WORK PACKAGE 25, EXCAVATION	
DVL, WORK PACKAGE 26, ELECTRICAL TRANSMISSION LINES	
DVL, WORK PACKAGE 27, MAJOR EQUIPMENT P-1	
DVL, WORK PACKAGE 28, MAJOR EQUIPMENT, GATES	
DVL, WORK PACKAGE 29, MAJOR EQUIPMENT, PC-1	
DVL, WORK PACKAGE 30, INSTRUMENTATION AND CONTROL SYSTEMS	
DVL, WORK PACKAGE 31, GEOGRAPHICAL INFO	
DVL, WORK PACKAGE 32, PERMIT	
DVL, WORK PACKAGE 33, MAJOR EQUIPMENT, VALVES	
DVL, WORK PACKAGE 34, EMERGENCY RELEASE	
DVL, WORK PACKAGE 35	
DVL, WORK PACKAGE 36, TRANSMISSION LINE TO PC-1	
DVL, WORK PACKAGE 38, RUNOFF EROSION	
DVL, WORK PACKAGE 39, SADDLE DAM FOUNDATION	
DVL, WORK PACKAGE 4, NEWPORT ROAD RELOCATION	
DVL, WORK PACKAGE 40	
DVL, WORK PACKAGE 42, GEOTECHNICAL	
DVL, WORK PACKAGE 43, MOBILIZATION	
DVL, WORK PACKAGE 44, SITE DEVELOPMENT	
DVL, WORK PACKAGE 47, HAZARDOUS MATERIAL	
DVL, WORK PACKAGE 48, GENERAL ADMIN	
DVL, WORK PACKAGE 49	
DVL, WORK PACKAGE 5, SALT CREEK FLOOD CONTROL	
DVL, WORK PACKAGE 52, HISTORY ARCHEOLOGY INVENTORY	
DVL, WORK PACKAGE 53, PREHISTORIC ARCHEOLOGY	
DVL, WORK PACKAGE 54, PLANTS, WILDLIFE	
DVL, WORK PACKAGE 55, AIR QUALITY, NOISE	
DVL, WORK PACKAGE 6, SURFACE WATER MITIGATION	
DVL, WORK PACKAGE 7, DESIGN WEST DAM ACCESS	
DVL, WORK PACKAGE 8, DESIGN EAST DAM ACCESS	
DVL, WORK PACKAGE 9, SADDLE DAM	
DVL, WORKING INVENTORY, 80,000 ACRE FEET (10% OF CAPACITY)	
EAST DAM TUNNELS	
EAST MARINA BOAT RAMP EXTENSION	
ELECTRICAL SERVICE - LAKE MATHEWS (ORG CONST)	
ELECTRICAL SYSTEM - LAKE MATHEWS (ORG CONST)	
FIRST SAN DIEGO AQUEDUCT - REPLACE PIPELINE SECTION BOTH BARRELS	
FLOATING BOAT HOUSE - LAKE MATHEW	
FLOOD RELEASE VALVE, MORRIS DAM & WATER SUPPLY SYSTEM, PV RESER.	
FOOTBRIDGE - LAKE MATHEWS (ORG CONST)	
FOOTHILL FEEDER- LIVE OAK RESERVOIR- CLAIMS	
FOOTHILL FEEDER- LIVE OAK RESERVOIR- RESIDENCE	
GARVEY RESERVOIR OPERATION & MAINTENANCE CENTER	
GARVEY RESERVOIR OPERATION & MAINTENANCE CENTER (RETIREMENT)	
GARVEY RESERVOIR - JUNCTION STRUCTURE, REPLACE VALVE # 1	
GARVEY RESERVOIR COVER AND LINER REPLACEMENT PROJECT	
GARVEY RESERVOIR DRAINAGE & EROSION CONTROL IMPROVEMENTS	
GARVEY RESERVOIR- EMERGENCY GENERATOR	
GARVEY RESERVOIR- FLOATING COVER	
GARVEY RESERVOIR HYPOCHLORITE FEED SYSTEM	
GARVEY RESERVOIR- JUNCTION STRUCTURE, REPLACE VALVE #1	
GARVEY RESERVOIR- JUNCTION STRUCTURE, REPLACE VALVE #1 - INTEREST	
GARVEY RESERVOIR- JUNCTION STRUCTURE, REPLACE VALVES # 4 & 5	
GARVEY RESERVOIR- MODIFY DESILTING BASINS	
GARVEY RESERVOIR REPAIR	
GARVEY RESERVOIR, LOWER ACCESS ROAD, PAVING & DRAINS	
GARVEY RESERVOIR, REPLACE VALVE # 4 & 5	
GARVEY RESERVOIR, TWO VALVES AT JUNCTION STRUCTURE	
GARVEY RESERVOIR: CONT. 565, SPEC.412	
GARVEY RESERVOIR: TWO COTTAGES WITH GARAGES	
GARVEY RESERVOIR-HYPOCHLORINATION	
GARVEY RESERVOIR-HYPOCHLORINE STATION	
GARVEY RESERVOIR-INLET AND OUTLET CONDUIT SYSTEM MODIFICATION	
GARVEY RESEVOIR-JUNCTION STRUCTURE REPLACE TWO VALVES	
GARVEY RSVR REPLACE VENTURI THROAT SECTION	
HEADWORKS OF DISTRIBUTION SYSTEM LAKE MATHEWS	
HEADWORKS: ADDITIONAL VALVES	
HEADWORKS: MOTOR OPERATED SLIDE GATES	
HOUSE AND GARAGE AT CORONA DEL MAR RESERVOIR	
HOUSE AND GARAGE AT ORANGE COUNTY RESERVOIR	
HOUSE AT PALOS VERDES RESERVOIR	
HOWELL-BUNGER VALVE OPERATOR, LAKE MATHEWS, 5 VALVES 1939	
HOWELL-BUNGER VALVE OPERATOR, LAKE MATHEWS, 5 VALVES 1955	
JENSEN FINISHED WATER RESERVOIR NO. 1 COVER REHABILITATION	
JENSEN FINISHED WATER RESERVOIR NO. 2 FLOATING COVER IMPROVEMENT	
JENSEN FLUORIDE TANK REPLACEMENT	
JENSEN FWR # 2 FLOATING COVER REPLACEMENT	
JENSEN FWR NO. 2 FLOATING COVER REPLACEMENT	
JENSEN, REPAIR COVER OVER RESERVOIR 1	
LAKE MATHEWS - REPLACE STANDBY GENERATOR	
LAKE MATHEWS - ELECTRICAL SYSTEM IMPROVEMENT	

TABLE 3 CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS	
Description	
Storage Facilities	
LAKE MATHEWS ABOVEGROUND STORAGE TANK REPLACEMENT	
LAKE MATHEWS BUILDING	
LAKE MATHEWS BUILDINGS 8 & 15, RENOVATION OF ASSEMBLY AREA AND ADMIN. BLDG.	
LAKE MATHEWS- CARPENTER AND VEHICLE MAINTENANCE BUILDING	
LAKE MATHEWS- CHLORINATION FACILITIES	
LAKE MATHEWS CHLORINATION FACILITY- REPLACE CHLORINATION EQPMT.	
LAKE MATHEWS CNTRL TOWER-REPL. 45 30-INCH GATE/BUTTERFLY VALVES	
LAKE MATHEWS CONTROL TOWER - REPLACE 45 10-INCH GATE VALVE	
LAKE MATHEWS DAM SAFETY INSTRUMENTATION UPGRADES	
LAKE MATHEWS DAM SPILLWAY ASSESSMENT	
LAKE MATHEWS DIKE	
LAKE MATHEWS DISCHARGE FACILITY UPGRADES	
LAKE MATHEWS DIVERSION TUNNEL	
LAKE MATHEWS DIVERSION TUNNEL WALKWAY REPAIR	
LAKE MATHEWS- DOCK AND BOAT SHELTER	
LAKE MATHEWS DOMESTIC FACILITIES	
LAKE MATHEWS- DOMESTIC WATER SYSTEM	
LAKE MATHEWS ELECTRICAL RELIABILITY	
LAKE MATHEWS- ELECTRICAL SYSTEM IMPROVEMENT	
LAKE MATHEWS- EMERGENCY GENERATOR	
LAKE MATHEWS ENLARGEMENT (SPEC NO. 505)	
LAKE MATHEWS FOREBAY LINING AND TOWER REPAIRS	
LAKE MATHEWS FOREBAY OUTLET STRCTR-REPL. CONCRETE BLOCK BLDG	
LAKE MATHEWS FOREBAY OUTLET, CONCRETE BLDG	
LAKE MATHEWS FOREBAY PRESSURE CONTROL STRUCTURE AND BYPASS	
LAKE MATHEWS FOREBAY- REPLACE FOOTBRIDGE	
LAKE MATHEWS FOREBAY WALKWAY REPAIRS	
LAKE MATHEWS FOREBAY, HEADWORK FACILITY AND EQUIPMENT UPGRADE	
LAKE MATHEWS HEADWORKS-INSTALL AIR MTRS,3 HOWELL BNGR VALVE OP.	
LAKE MATHEWS- HOUSE AND GARAGE	
LAKE MATHEWS I/O TOWER EMERGENCY GENERATOR	
LAKE MATHEWS- IMPROVE MAIN SUBSTATION	
LAKE MATHEWS- IMPROVEMENT OF DOMESTIC WATER & FIRE PROT. SYSTEM	
LAKE MATHEWS -LUMBER STORAGE BUILDING	
LAKE MATHEWS -LUMBER STORAGE BUILDING - INTEREST	
LAKE MATHEWS LUMBER STORAGE ROOF COVER	
LAKE MATHEWS MAIN DAM AND SPILLWAY	
LAKE MATHEWS MAIN DAM SUB DRAIN SYSTEM	
LAKE MATHEWS MAINTENANCE BUILDING	
LAKE MATHEWS MAINTN.FACILITIES-REPLACE 75 KVA TRANSFORMER.SERV.	
LAKE MATHEWS- MODIFY CHLORINATION	
LAKE MATHEWS- MODIFY CHLORINE STORAGE TANK FOUNDATIONS	
LAKE MATHEWS- MODIFY ELECTRICAL SERVICE	
LAKE MATHEWS MULTIPLE SPECIES RESERVE, MANAGER'S OFFICE AND RESIDENCE	
LAKE MATHEWS OFFICE BLDG MODIFICATIONS-AMERICANS W/ DISABILITY	
LAKE MATHEWS OFFICE TRAILER MODIFICATIONS-AMERICANS W/ DISABILITY	
LAKE MATHEWS -OPERATOR RESIDENCE	
LAKE MATHEWS OULET TOWER	
LAKE MATHEWS OUTLET FACILITIES	
LAKE MATHEWS OUTLET TOWER NO. 2 VALVE REHABILITATION	
LAKE MATHEWS OUTLET TOWER- REPLACE CRANES	
LAKE MATHEWS OUTLET TOWER-REPLACE GATE VALVES	
LAKE MATHEWS OUTLET TOWER-REPLACE GATE VALVES (RETIREMENT)	
LAKE MATHEWS OUTLET TUNNEL	
LAKE MATHEWS- PREFABRICATED AIRCRAFT HANGER	
LAKE MATHEWS- PREFABRICATED AIRCRAFT HANGER - INTEREST	
LAKE MATHEWS- PROPANE STORAGE TANK	
LAKE MATHEWS- PROPANE STORAGE TANK - INTEREST	
LAKE MATHEWS- REPLACE HOWELL-BUNGER VALVE OPERATORS	
LAKE MATHEWS- REPLACE VALVES	
LAKE MATHEWS RESERVOIR-RELOCATE SOUTHERLY SECURITY FENCE	
LAKE MATHEWS RESERVOIR-RELOCATE SOUTHERLY SECURITY FENCE - INTEREST	
LAKE MATHEWS- SEEPAGE ALARMS	
LAKE MATHEWS- SEEPAGE ALARMS - INTEREST	
LAKE MATHEWS SODIUM HYPOCHLORITE TANK REPLACEMENT	
LAKE MATHEWS SODIUM HYPOCHLORITE INJECTION SYSTEM	
LAKE MATHEWS- SPRAY PAINT BOOTH	
LAKE MATHEWS WASTEWATER SYSTEM REPLACEMENT	
LAKE MATHEWS WATERSHED, DRAINAGE	
LAKE MATHEWS WATERSHED, DRAINAGE WATER QUALITY MGMT PLAN (CAJALCO CREEK DAM)	
LAKE MATHEWS, HAZEL ROAD	
LAKE MATHEWS, REPLACE CHLORINATION EQUIPMENT	
LAKE MATHEWS,DIKE #1- INSTALL PIEZOMETERS, STAS,55+00 & 85+50	
LAKE MATHEWS: VALVES AND FITTINGS IN HEADWORKS	
LAKE MATHEWS-CONST. CONCR.TRAFFIC BARR. WALL TO PROTECT HQ FACIL.	
LAKE MATTHEWS FIRE WATER LINE	
LAKE PERRIS POLLUTION PREVENTION AND SOURCE WATER PROTECTION (CAPITAL PORTION)	
LAKE SKINNER - AERATION SYSTEM	
LAKE SKINNER - CHLORINATION SYSTEM OUTLET TOWER BYPASS PPLN	
LAKE SKINNER - CHLORINATION SYSTEM OUTLET TOWER BYPASS PPLN - INTEREST	
LAKE SKINNER - INSTALL OUTLET CONDUIT FLOWMETER	
LAKE SKINNER (AULD VALLEY RESERVOIR)- CLAIMS	
LAKE SKINNER AERATOR AIR COMPRESSORS REPLACEMENT	
LAKE SKINNER- EQUIPMENT YARD SECURITY	
LAKE SKINNER- EQUIPMENT YARD SECURITY - INTEREST	
LAKE SKINNER FACILITIES	
LAKE SKINNER FACILITIES - EMPLOYEE HOUSING	
LAKE SKINNER FACILITIES - FENCING	
LAKE SKINNER FACILITIES - LANDSCAPING	
LAKE SKINNER FACILITIES - RELOCATE BENTON ROAD	
LAKE SKINNER OUTLET CONDUIT REPAIR	
LAKE SKINNER OUTLET TOWER SEISMIC ASSESSMENT	
LAKE SKINNER- PROPANE STORAGE TANK	
LAKE SKINNER- PROPANE STORAGE TANK - INTEREST	
LIVE OAK RESERVOIR & RESERVOIR BYPASS SCHEDULE 264A	
LIVE OAK RESERVOIR REHABILITATION	

TABLE 3 CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS	
Description	
Storage Facilities	
LIVE OAK RESERVOIR SURFACE REPAIR	
MAINTENANCE FACILITIES, 75KVA TRANSFORMER SERVICE-LAKE MATHEWS (ORG CONST)	
MILLS FINISHED WATER RESERVOIR REHABILITATION	
MINOR CAPITAL PROJECTS FOR FY 1989/90 - LAKE MATHEWS	
MINOR CAPITAL PROJECTS FOR FY 1989/90 - PALOS VERDES RESERVOIR	
MINOR CAPITAL PROJECTS-LAKE SKINNER, INLET CANAL ELECTRIC FISH BARRIER	
MINOR CAPITAL PROJECTS-LIVE OAK RESERVOIR, DESILT BASIN IMPROVEMENTS	
MODIFICATION OF THE LAKE MATHEWS SERVICE WATER SYSTEM	
MORRIS DAM COTTAGE	
MORRIS DAM- ENLARGMT. OF SPILLWAY FACLT.& UPPER FDR.VALVE MODF	
MORRIS DAM ROAD IMPROVEMENT	
MORRIS DAM, SEISMIC STABILITY REANALYSIS	
MORRIS DAM-REPLACE EMERGENCY POWER SYSTEM	
MORRIS RESERVOIR- CAPITAL OBLIGATION PAID	
MORRIS RESERVOIR- INTEREST OBLIGATION PAID	
O.C.RESERVOIR - IMPROVE DOMESTIC SYSTEM	
ORANGE COUNTY RESERVOIR -- JUNCTION STRUCTURE, REPLACE VALVE # 1	
ORANGE COUNTY RESERVOIR (SPEC NO, 341)	
ORANGE COUNTY RESERVOIR CHLORINATION STATION	
ORANGE COUNTY RESERVOIR- EMBANKMENT AND SPILLWAY	
ORANGE COUNTY RESERVOIR- EMERGENCY GENERATOR	
ORANGE COUNTY RESERVOIR- FLOATING COVER	
ORANGE COUNTY RESERVOIR- HOUSE	
ORANGE COUNTY RESERVOIR- MODIFY DOMESTIC WATER SYSTEM	
ORANGE COUNTY RESERVOIR- REPLACE RESIDENCE NO. 95D	
ORANGE COUNTY RESERVOIR-MODIFY ELEC. CONTROL CENTER	
ORANGE COUNTY RESERVOIR-REPLACE CHLORINATION EQUIPMENT	
ORANGE COUNTY RESERVOIR-REPLACE CHLORINATION SYSTEM	
P V RESERVOIR-REPLACE CHLORINATION SYSTEM	
PALOS VERDES CHLORINATION STATION AND COTTAGE	
PALOS VERDES RESERVOIR	
PALOS VERDES RESERVOIR - INLET/OUTLET TOWER	
PALOS VERDES RESERVOIR- BY PASS PIPELINES	
PALOS VERDES RESERVOIR COVER AND LINER REPLACEMENT	
PALOS VERDES RESERVOIR COVER REPLACEMENT	
PALOS VERDES RESERVOIR- FENCING AROUND	
PALOS VERDES RESERVOIR- REPLACE DOMESTIC WATER SYSTEM PIPING	
PALOS VERDES RESERVOIR SODIUM HYPOCHLORITE FEED SYSTEM UPGRADE	
PALOS VERDES RESERVOIR, BYPASS PIPELINE RELIEF STRUCTURE MODIFN.	
PALOS VERDES RESERVOIR, COVERING	
PALOS VERDES RESERVOIR, REPLACE ACCESS AND PERIMETER ROADS	
PALOS VERDES RESERVOIR: INCREASING ELEVATION OF SPILLWAY CREST	
PALOS VERDES RESERVOIR-INSTALL VALVE & CHLORINATION NOZZLE, INLT. TWR	
PALOS VERDES RESERVOIR-REPLACE CHLORINATION SYSTEM	
PAMO RESERVOIR- WATER STORAGE FEASIBILITY STUDY	
PAMO RESERVOIR- WATER STORAGE FEASIBILITY STUDY- INTEREST	
PV RESERVOIR GROUNDWATER MANAGEMENT	
PVR FACILITY SEWER CONNECTION	
RECORD DRAWING RESTORATION PROGRAM, CRA	
REPAIRS TO AZUSA CONDUIT	
REPLACEMENT OF A 30 INCH GATE VALVE P.V.R.	
RESIDENCE # 95-D, ORANGE COUNTY RESERVOIR	
RESIDENCE 45-D - CORONA DEL MAR RESERVOIR	
RESIDENCE 80-D - ORANGE COUNTY RESERVOIR	
RESIDENCE 90-D - LAKE MATHEW	
RESIDENCE 91-D - SAN JACINTO RESERVOIR	
RESIDENCE 93-D - SAN JACINTO RESERVOIR	
ROADS AT LAKE MATHEWS ABOVE FLOODLINE	
SAN DIEGO ACQUEDUCT: COTTAGE AT SAN JACINTO RESERVOIR	
SAN JACINTO RESERVOIR - SAN DIEGO AQUEDUCT	
SECOND OUTLET, PALOS VERDES RESERVOIR (SPEC NO. 597)	
SEEPAGE CONTROL AT LAKE MATHEWS	
SKINNER DAM SAFETY INSTRUMENTATION UPGRADES	
SKINNER DAM SPILLWAY ASSESSMENT	
SKINNER FINISHED WATER RESERVOIR SLIDE GATES REHABILITATION	
TEMPORARY EMPLOYEE LABOR SETTLEMENT	
VALVE - GENE RESERVOIR (REPLACED 201)	
VALVE STRUCTURE MODIFICATIONS-UPPER FDR, SAN GABRIEL CROSSING (INTERIM CONST)	
WADSWORTH PUMP PLANT CONDUIT PROTECTION	
WADSWORTH PUMP PLANT, PUMP MOTOR CONVERSION	
WADSWORTH PUMPING PLANT FIRE PROTECTION SYSTEM UPGRADES	
WADSWORTH/DVL CONTROL & PROTECTION SYSTEM UPGRADE - CONSTRUCTION & STARTUP	
WATER QUALITY PROJECT UPSTREAM	
WATER SUPPLY SYSTEM, OPERATING TOWER, LAKE MATHEWS	
WEYMOUTH FINISHED WATER RESERVOIR GATE REPLACEMENT	
Sub-total Storage facilities costs	103,219,347

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description**Conveyance and Aqueduct Facilities**

2.4 KV STANDBY DIESEL ENGINE GENERATOR REPLACEMENT - GENE
 2.4 KV STANDBY DIESEL ENGINE GENERATOR REPLACEMENT - INTAKE
 2.4 KV STANDBY DIESEL ENGINE GENERATOR REPLACEMENT - IRON
 ACCESS STRUCTURE, TRANSITION STRUCTURE AND MANHOLE COVER REPLACEMENT
 ALL PUMPING PLANTS - 230 KV & 69 KV DISCONNECTS REPLACEMENT
 ALL PUMPING PLANTS - BRIDGE CRANES
 ALL PUMPING PLANTS - TRANSFORMER BANK BRIDGE
 ALLEN MCCOLLOCH PIPELINE - CORROSION INTERFERENCE MITIGATION
 ALLEN MCCOLLOCH PIPELINE - RIGHT OF WAY
 ALLEN MCCOLLOCH PIPELINE - UPDATE / MODIFY ALL BOYLE ENGINEERING DRAWINGS
 AMP VALVE & SERVICE CONNECTION VAULT REPAIR
 AQUEDUCT & PUMPING PLANT ISOLATION / ACCESS FIXTURES - STUDY
 AQUEDUCT & PUMPING PLANT ISOLATION GATES
 ARROWHEAD EAST TUNNEL CONSTRUCTION
 ARROWHEAD TDS REDUCTION
 ARROWHEAD TUNNELS CLAIMS COST
 ARROWHEAD TUNNELS CONNECTOR ROAD
 ARROWHEAD TUNNELS CONSTRUCTION
 ARROWHEAD TUNNELS ENGINEERING
 ARROWHEAD TUNNELS RE-DESIGN
 ARROWHEAD WEST TUNNEL CONSTRUCTION
 AULD VALLEY CONTROL STRUCTURE AREA FACILITIES UPGRADE STUDY
 AUXILIARY POWER SYSTEM REHABILITATION / UPGRADES STUDY
 AUXILIARY POWER SYSTEM REHABILITATION/UPGRADES
 BACHELOR MOUNTAIN COMMUNICATION SITE ACQUISITION
 BACHELOR MOUNTAIN TELECOM SITE IMPROVEMENTS
 BANK TRANSFORMERS REPLACEMENT STUDY
 BLACK METAL MOUNTAIN - COMMUNICATIONS FACILITY UPGRADE
 BLACK METAL MOUNTAIN 2.4KV ELECTRICAL POWER UPGRADE
 BOX SPRINGS FEEDER REHAB PHASE III
 BUDGET ADJUSTMENT
 CABAZON RADIAL GATE FACILITY IMPROVEMENTS
 CAJALCO CREEK MITIGATION FLOWS
 CAST-IRON BLOW OFF REPLACEMENT - PHASE 4
 CATHODIC PROTECTION STUDY - DESIGN AND CONSTRUCTION
 CCRP - BLOW-OFF VALVES PHASE 4 PROJECT
 CCRP - CONTINGENCY
 CCRP - EMERGENCY REPAIR
 CCRP - HEADGATE OPERATORS & CIRCUIT BREAKERS REHAB.
 CCRP - PART 1 & 2
 CCRP - SAND TRAP CLEANING EQUIPMENT & TRAVELING CRANE STUDY
 CCRP - TRANSITION & MAN-WAY ACCESS COVER REPLACEMENT - STUDY & DESIGN
 CCRP - TUNNELS STUDY
 CEPSRP - 230 KV SYSTEM SYNCHRONIZERS
 CEPSRP - ALL PUMPING PLANTS - CONTINGENCY & OTHER CREDITS
 CEPSRP - ALL PUMPING PLANTS - REPLACE 6.9 KV TRANSFORMER BUSHINGS
 CEPSRP - ALL PUMPING PLANTS - REPLACE 230KV, 69 KV & 6.9 KV LIGHTENING ARRESTERS
 CEPSRP - ALL PUMPING PLANTS - REPLACE 230KV TRANSFORMER PROTECTION
 CEPSRP - SWITCHYARDS & HEAD GATES REHABILITATION
 CEPSRP- ALL PUMPING PLANTS - IRON MOUNTAIN - 230KV BREAKER SWITCH. INST.
 COLORADO RIVER AQUEDUCT - PUMPING
 COLORADO RIVER AQUEDUCT - SIPHONS AND RESERVOIR OUTLETS REFURBISHMENT
 COLORADO RIVER AQUEDUCT CONVEYANCE RELIABILITY, PHASE II REPAIRS AND INSTRUMENTATION
 CONTROL SYSTEM DRAWING UPGRADE STUDY (PHASE 1) - STUDY
 COPPER BASIN AND GENE DAM OUTLET WORKS REHABILITATION (STUDY & DESIGN)
 COPPER BASIN AND GENE WASH RESERVOIRS DISCHARGE VALVE REHABILITATION
 COPPER BASIN INTERIM CHLORINATION SYSTEM
 COPPER BASIN OUTLET GATES RELIABILITY
 COPPER BASIN OUTLET REHABILITATION
 COPPER BASIN OUTLET, AND COPPER BASIN & GENE WASH DAM SLUCEWAYS REHABILITATION
 COPPER BASIN POWER & PHONE LINES REPLACEMENT
 COPPER BASIN RESERVOIR OUTLET STRUCTURE REHABILITATION PROJECT
 COPPER BASIN RESERVOIRS DISCHARGE VALVE REHABILITATION & METER REPLACEMENT
 COPPER SULFATE STORAGE AT LAKE SKINNER AND LAKE MATHEWS
 CORROSION CONTROL OZONE MATERIAL TEST FACILITY
 COST OF LAND AND RIGHT OF WAY
 CRA - ACCESS STRUCTURE, TRANSITION STRUCTURE AND MANHOLE COVER REPLACEMENT
 CRA - AQUEDUCT AND PUMPING PLANT ISOLATION GATES
 CRA - AQUEDUCT RESERVOIR AND DISCHARGE LINE ISOLATION GATES
 CRA - AUXILIARY POWER SYSTEM REHAB
 CRA - BANK TRANSFORMERS REPLACEMENT STUDY
 CRA - BLOW-OFF VALVES PHASE 4
 CRA - CIRCULATING WATER SYSTEM STRAINER REPLACEMENT
 CRA - CONTROL SYSTEM IMPLEMENTATION PHASE CLOSE OUT
 CRA - CONVEYANCE RELIABILITY PROGRAM PART 1 & PART 2
 CRA - COPPER BASIN OUTLET, AND COPPER BASIN & GENE WASH SLUCEWAYS REHABILITATION
 CRA - COPPER BASIN POWER & PHONE LINES REPLACEMENT
 CRA - CUT & COVER FORNAT WASH EXPOSURE STUDY
 CRA - DANBYTOWER FOOTER REPLACEMENT
 CRA - DELIVERY LINE NO. 1 SUPPORTS REHAB - FIVE PUMPING PLANTS
 CRA - DELIVERY LINES 2&3 SUPPORTS REHAB - GENE & INTAKE
 CRA - DELIVERY LINES 2&3 SUPPORTS REHAB - IRON, EAGLE, & HINDS
 CRA - DESERT PUMP PLANT OIL CONTAINMENT
 CRA - DESERT SEWER SYSTEM REHABILITATION PROJECT
 CRA - DESERT WATER TANK ACCESS & SAFETY IMPROVEMENTS
 CRA - DISCHARGE CONTAINMENT PROGRAM - INVESTIGATION
 CRA - DISCHARGE LINE ISOLATION GATES
 CRA - DWCV-4 VALVE REPLACEMENT
 CRA - EAGLE MOUNTAIN SAND TRAPS INFLOW STUDY

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description**Conveyance and Aqueduct Facilities**

CRA - ELECTRICAL/ POWER SYST REL. PROG. - IRON MTN - 230KV BREAKER SWTC. INST.
 CRA - GENE PUMPING PLANT MAIN TRANSFORMER AREA
 CRA - HINDS PUMP UNIT NO. 8 REFURBISHMENT
 CRA - INTAKE PUMPING PLANT - COOLING AND REJECT WATER DISCHARGE TO LAKE HAVASU
 CRA - INTAKE PUMPING PLANT AUTOMATION PROGRAMMING
 CRA - INVESTIGATION OF SIPHONS AND RESERVOIR OUTLETS
 CRA - IRON MOUNTAIN RESERVOIR AND CANAL LINER REPAIRS
 CRA - IRON MTN. TUNNEL REHABILITATION
 CRA - LAKEVIEW SIPHON FIRST BARREL - REPAIR DETERIORATED JOINTS
 CRA - MAIN PUMP MOTOR EXCITERS
 CRA - MAIN PUMP STUDY
 CRA - MOUNTAIN SIPHONS SEISMIC VULNERABILITY STUDY
 CRA - PUMPING PLANT RELIABILITY PROGRAM CONTINGENCY
 CRA - PUMPING PLANTS VULNERABILITY ASSESSMENT
 CRA - PUMPING WELL CONVERSION
 CRA - QUAGGA MUSSEL BARRIERS
 CRA - REAL PROPERTY - BOUNDARY SURVEYS
 CRA - RELIABILITY PROGRAM 230 KV & 69 KV DISCONNECTS REPLACEMENT STUDY (5 PLANTS)
 CRA - RELIABILITY PROGRAM INVESTIGATION
 CRA - RELIABILITY PROGRAM PHASE 6 (AQUEDUCT PHASE 6 REHAB.) - SPEC 1568
 CRA - RELIABILITY PHASE II CONTINGENCY
 CRA - SAND TRAP CLEANING EQUIPMENT AND TRAVELING CRANE
 CRA - SERVICE CONNECTION DWCV-2T VALVES REPLACEMENT AND STRUCTURE CONSTRUCTION
 CRA - SERVICE CONNECTION DWCV-4 A, B, C, & D PLUG VALVES REPLACEMENT
 CRA - SIPHONS, TRANSITIONS, CANALS, AND TUNNELS REHABILITATION AND IMPROVEMENTS
 CRA - SUCTION & DISCHARGE LINES EXPANSION JOINT REHAB
 CRA - SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA) SYSTEM
 CRA - SWITCHYARDS AND HEAD GATES REHAB
 CRA - SWITCHYARDS AND HEAD GATES REHABILITATION
 CRA - TRANSFORMER OIL & CHEMICAL UNLOADING PAD CONTAINMENT
 CRA - TUNNELS VULNERABILITY STUDY - REPAIRS TO TUNNELS
 CRA - WEST PORTAL UPGRADE - REHAB OF STILLING WELL, SLIDE GATE OPERATORS AND RADIAL GATES
 CRA 2.4 KV STANDBY DIESEL ENGINE GENERATORS REPLACEMENT
 CRA 230 KV & 69 KV DISCONNECTS SWITCH REPLACEMENT
 CRA 230 KV SYSTEM INTER-AGENCY OPERABILITY UPGRADES
 CRA 230 KV TRANSMISSION SYSTEM REGULATORY AND OPERATIONAL FLEXIBILITY UPGRADES
 CRA 230KV & 69KV PROTECTION PANEL UPGRADE
 CRA 230KV TRANSMISSION SYSTEM REGULATORY COMPLIANCE AND OPERATIONAL FLEXIBILITY UPGRADES
 CRA 6.9 KV LEAD JACKETED CABLES
 CRA 6.9 KV POWER CABLES REPLACEMENT
 CRA 69KV PANEL UPGRADE
 CRA ACCESS STRUCTURE, TRANSITION STRUCTURE AND MANHOLE COVERS REPLACEMENT
 CRA ALL PUMPING PLANTS - FLOW METER UPGRADES
 CRA AND IRON MOUNTAIN RESERVOIR PANEL REPLACEMENT
 CRA AQUEDUCT BLOCKER GATE REPLACEMENT
 CRA AQUEDUCT ISOLATION GATES REPLACEMENT
 CRA AUXILIARY POWER SYSTEM REHABILITATION/UPGRADES FOR FOUR PUMPING PLANTS
 CRA BLACK METAL COMMUNICATION SITE II UPGRADE
 CRA CANAL CRACK REHAB AND EVALUATION
 CRA CANAL CRACK REHABILITATION
 CRA CANAL IMPROVEMENTS
 CRA CIRCULATING WATER SYSTEM STRAINER REPLACEMENT
 CRA CONDUIT FORMAT WASH EROSION REPAIRS
 CRA CONDUIT STRUCTURAL PROTECTION
 CRA CONVEYANCE RELIABILITY PROGRAM (CCRP) - BLOW-OFF REPAIR
 CRA CONVEYANCE RELIABILITY PROGRAM PART 1 & PART 2
 CRA COPPER BASIN AND GENE WASH DAM SLUICWAYS
 CRA COPPER BASIN OUTLET GATES RELIABILITY STUDY
 CRA DELIVERY LINE REHABILITATION
 CRA DESERT AIRFIELDS IMPROVEMENT
 CRA DESERT REGION SECURITY IMPROVEMENTS
 CRA DISCHARGE CONTAINMENT PROGRAM - CONTINGENCY
 CRA DISCHARGE CONTAINMENT PROGRAM - GENE & IRON DRAIN SYSTEMS
 CRA DISCHARGE CONTAINMENT PROGRAM - INVESTIGATION
 CRA DISCHARGE CONTAINMENT PROGRAM - OIL & CHEMICAL UNLOADING PAD CONTAINMENT
 CRA ELECTRICAL / POWER SYSTEM RELIABILITY PROGRAM (CEPSRP)
 CRA ENERGY EFFICIENCY IMPROVEMENTS
 CRA GENE PUMPING PLANT HEAVY EQUIPMENT SERVICE PIT
 CRA GENE STORAGE WAREHOUSE REPLACEMENT
 CRA HINDS PUMPING PLANT - WASH AREA UPGRADE
 CRA INTAKE PPLANT - POWER & COMMUNICATION LINE REPLACEMENT
 CRA IRON GARAGE HEAVY EQUIPMENT SERVICE PIT REPLACEMENT
 CRA IRON HOUSING REPLACEMENT
 CRA IRON MOUNTAIN SUCTION JOINT REFURBISHMENT PILOT
 CRA MAIN PUMP & MOTOR REFURISHMENT
 CRA MAIN PUMP AND MOTOR REFURISHMENT
 CRA MAIN PUMP CONTROLS & INSTRUMENTATION
 CRA MAIN PUMP DISCHARGE VALVE REFURBISHMENT
 CRA MAIN PUMP MOTOR EXCITERS ASSESSMENT
 CRA MAIN PUMP MOTOR EXCITERS REHABILITATION
 CRA MAIN PUMP REHABILITATION
 CRA MAIN PUMP STUDY
 CRA MAIN PUMP SUCTION AND DISCHARGE LINES, EXPANSION JOINT REPAIRS
 CRA MAIN PUMPING PLANT DISCHARGE LINE ISOLATION BULKHEAD COUPLING CONSTRUCTION
 CRA MAIN PUMPING PLANT UNIT COOLERS & HEAT EXCHANGERS
 CRA MAIN PUMPING PLANTS DISCHARGE LINE ISOLATION BULKHEAD COUPLINGS
 CRA MAIN PUMPING PLANTS LUBRICATION SYSTEM
 CRA MAIN PUMPING PLANTS SERVICE WATER & SAND REMOVAL SYSTEM
 CRA MAIN TRANSFORMER REFURBISHMENT
 CRA MAIN TRANSFORMER REPLACEMENT /REHABILITATION
 CRA MAIN TRANSFORMER REPLACEMENT/REHAB.
 CRA MILE 12 POWER LINE & FLOW MONITORING EQUIP. STUDY
 CRA OVER-CURRENT RELAY REPLACEMENT

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description**Conveyance and Aqueduct Facilities**

CRA PROTECTIVE SLABS
 CRA PUMP PLANT FLOW METER REPLACEMENT
 CRA PUMP PLANT FLOW METER UPGRADE
 CRA PUMP PLANT SUMP PIPING REPLACEMENT STUDY
 CRA PUMP PLANT SUMP SYSTEM REHABILITATION
 CRA PUMP PLANT UNINTERRUPTABLE POWER STUDY (UPS) UPGRADE
 CRA PUMP PLANTS 2.3KV AND 480V SWITCH RACK REHABILITATION
 CRA PUMP PLANTS 2300KV & 480 V SWITCHRACK REHAB
 CRA PUMP WELLS CONVERSION AND BLOW-OFF REPAIR
 CRA PUMPING PLANT DELIVERY LINE REHABILITATION
 CRA PUMPING PLANT REHABILITATION STUDY
 CRA PUMPING PLANT REHABILITATION STUDY AND INVESTIGATION
 CRA PUMPING PLANT RELIABILITY PROGRAM - HIGH PRESSURE COMPRESSOR REPLACEMENT
 CRA PUMPING PLANT RELIABILITY PROGRAM - SUCTION & DISCHARGE LINES EXPANSION JOINT STUDY
 CRA PUMPING PLANT RELIABILITY PROGRAM - SUCTION AND DISCHARGE LINES-EXPANSION JOINT REPAIRS
 CRA PUMPING PLANT STORAGE BUILDINGS AT HINDS, EAGLE MOUNTAIN AND IRON MOUNTAIN
 CRA PUMPING PLANT SUMP SYSTEM REHABILITATION
 CRA PUMPING PLANT WASTEWATER SYSTEM - GENE & IRON MTN.
 CRA PUMPING PLANT WASTEWATER SYSTEM - INTAKE
 CRA PUMPING PLANT WASTEWATER SYSTEM REHABILITATION - ALL FIVE PUMPING PLANT PRELIMINARY DESIGN
 CRA PUMPING PLANT WASTEWATER SYSTEM REPLACEMENT - GENE/IRON MTN FINAL DESIGN
 CRA PUMPING PLANT WASTEWATER SYSTEM REPLACEMENT - HINDS & EAGLE MTN.
 CRA PUMPING PLANTS - AUXILIARY POWER SYSTEM REHABILITATE/UPGRADES
 CRA PUMPING PLANTS 230KV & 69K DISCONNECT SWITCH REPLACEMENT
 CRA PUMPING PLANTS ASPHALT REPLACEMENT
 CRA PUMPING PLANTS CRANE IMPROVEMENTS
 CRA PUMPING PLANTS SWITCH HOUSE FAULT CURRENT PROTECTION
 CRA PUMPING PLANTS VULNERABILITY ASSESSMENT
 CRA PUMPING PLANTS WATER TREATMENT SYSTEMS REPLACEMENT
 CRA PUMPING PLT RELIABILITY PROGRAM, DISCHARGE LINE COUPLING INSTALLATION
 CRA PUMPING WELL CONVERSION
 CRA QUAGGA MUSSEL BARRIERS
 CRA RADIAL GATES AND SLIDE GATE REHABILITATION
 CRA RADIAL GATES REPLACEMENT
 CRA RELIABILITY PHASE II - PUMPING PLANTS 230KV & 69KV DISCONNECT SWITCH REPLACEMENT
 CRA RELIABILITY PROGRAM - DISCHARGE VALVE LUBRICATORS
 CRA RELIABILITY PROGRAM - MOTOR BREAKER FAULTY CURRENT STUDY (5 PLANTS)
 CRA RELIABILITY PROGRAM PHASE 6 (AQUEDUCT PHASE 6 REHAB.) - SPEC 1568
 CRA RELIABILITY PHASE II - PUMPING PLANT SWITCH HOUSE FAULT CURRENT PROTECTION
 CRA SAND TRAP EQUIPMENT UPGRADES
 CRA SEISMIC EVALUATION - SWITCH HOUSE AND PUMP ANCHORAGE
 CRA SEISMIC RETROFIT OF 6.9KV SWITCH HOUSES
 CRA SEISMIC UPGRADE OF 6.9KV SWITCH HOUSES
 CRA SERVICE CONNECTION DWCV-2T VALVES REPLACEMENT AND STRUCTURE CONSTRUCTION
 CRA SERVICE CONNECTION DWCV-4 VALVES REPLACEMENT
 CRA SIPHON REHAB
 CRA SIPHONS, TRANSITIONS, CANALS, AND TUNNELS REHABILITATION AND IMPROVEMENTS
 CRA SURGE CHAMBER DISCHARGE LINE BY-PASS COVERS
 CRA SWITCHRACKS & ANCILLARY STRUCTURES EROSION CONTROL
 CRA TRANSFORMER OIL AND SODIUM HYPOCHLORITE CONTAINMENT
 CRA TRANSITION STRUCTURE AND MANHOLE COVERS REPLACEMENT
 CRA UPS REPLACEMENT
 CRA VILLAGES DOMESTIC WATER MAIN DISTRIBUTION REPLACEMENT STUDY
 CRA WATER DISTRIBUTION SYSTEM & VILLAGE ASPHALT REPLACEMENT - GENE & IRON MOUNTAIN
 CRA WATER DISTRIBUTION SYSTEM REPLACEMENT AND CRA ROADWAY ASPHALT REPLACEMENT - ALL PP
 CUF DECHLORINATION SYSTEM
 DAM SLUCEWAYS AND OUTLETS REHABILITATION
 DANBY TOWER FOOTER REPLACEMENT
 DANBY TOWERS FOUNDATION REHABILITATION
 DESERT FACILITIES FIRE PROTECTION SYSTEMS UPGRADE
 DESERT LAND ACQUISITIONS
 DESERT PUMP PLANT OIL CONTAINMENT
 DESERT ROADWAY IMPROVEMENT
 DESERT SEPTIC SYSTEM
 DESERT SEWER SYSTEM REHABILITATION
 DESERT WATER TANK ACCESS - FIRE WATER, CIRCULATING WATER, DOMESTIC WATER- STUDY
 DISCHARGE LINE ISOLATION BULKHEAD COUPLINGS
 DISTRIBUTION SYSTEM FACILITIES - REHABILITATION PROGRAM
 DISTRIBUTION SYSTEM FACILITIES REHABILITATION PROGRAM - MAINTENANCE & STORAGE SHOP (PC-1)
 DISTRIBUTION SYSTEM RELIABILITY PROGRAM - PHASE 2
 DVL INLET / OUTLET TOWER FISH SCREENS REPLACEMENT
 DVL TO SKINNER TRANSMISSION LINE STUDY
 E. THORNTON IBBETSON GUEST QUARTERS
 EAGLE AND HINDS EQUIPMENT WASH AREA UPGRADE
 EAGLE KITCHEN UPGRADE
 EAGLE MOUNTAIN PUMPING PLANT SCADA SYSTEM
 EAGLE MOUNTAIN SAND TRAPS STUDY
 EAGLE MOUNTAIN SIPHONS SEISMIC VULNERABILITY STUDY
 EAGLE MTN SAND TRAPS STUDY
 EAGLE ROCK ASPHALT REPAIR PROJECT
 EAGLE ROCK MAIN ROOF REPLACEMENT
 ENHANCED VAPOR RECOVERY UPGRADES FOR GASOLINE DISPENSERS
 ENVIRONMENTAL MITIGATION
 ETIWANDA PIPELINE LINER REPAIR
 ETIWANDA RESERVOIR LINER REPAIR
 FUTURE SYSTEM RELIABILITY PROJECTS
 GARVEY RESERVOIR - AUTOMATED DATA ACQUISITION SYSTEM
 GARVEY RESEVOIR AUTOMATED DATA ACQUISITION SYSTEM REPLACEMENT
 GENE & INTAKE P.P. - FREQUENCY PROTECTION RELAY REPLACEMENT
 GENE & INTAKE PUMPING PLANT SURGE CHAMBER OUTLET GATES RE-COATING
 GENE & INTAKE PUMPING PLANTS - REPLACE UNDER FREQUENCY PROTECTION RELAY
 GENE AIR CONDITION
 GENE CAMP STATION SERVICE TRANSFORMER REPLACEMENT
 GENE PUMPING PLANT - AIR STRIP EXTENSION PROJECT
 GENE PUMPING PLANT - HEAVY EQUIPMENT SERVICE PIT

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description**Conveyance and Aqueduct Facilities**

GENE PUMPING PLANT - PEDDLER SUBSTATION REPLACEMENT
 GENE PUMPING PLANT - SCADA SYSTEM
 GENE PUMPING PLANT EXPANSION JOINT REHABILITATION
 GENE PUMPING PLANT MAIN TRANSFORMER AREA
 GENE PUMPING PLANT STANDBY GENERATOR REPLACEMENT
 GENE STORAGE BUILDING REPLACEMENT
 GENE STORAGE WAREHOUSE REPLACEMENT
 GENE WASH RESERVOIRS DISCHARGE VALVE REHABILITATION
 HEADGATE OPERATORS & CIRCUIT BREAKERS REHAB.
 HIGHLAND PIPELINE CONSTRUCTION
 HINDS EAGLE & IRON MOUNTAINS STORAGE BUILDINGS
 HINDS PUMPING PLANT DISCHARGE VALVE PIT PLATFORM REPLACEMENT
 HINDS PUMPING PLANT EQUIPMENT WASH AREA UPGRADES
 HINDS PUMPING PLANT SCADA SYSTEM
 HINDS PUMPING PLANT STANDBY GENERATOR REPLACEMENT
 INLAND FDR, ARROWHEAD TUNNELS REDESIGN
 INLAND FDR, ARROWHEAD WEST TUNNEL CONSTRUCTION
 INLAND FDR, CONTRACT 9, CONSTRUCTION OF RIVERSIDE PPLN SOUTH
 INLAND FDR, OWNER CONTROLLED INSURANCE PROGRAM
 INLAND FDR, REACH 4, RUSD PPLN
 INLAND FDR-CNTR #1/DEVIL CYN-WATERMAN RD
 INLAND FDR-CNTR #4-SOFT GRND TNL/SANTA ANA
 INLAND FDR-CONT #8-PIPEL PARALLEL TO DAVIS RD
 INLAND FDR-ENVIRON. MITIG.
 INLAND FEEDER - RIGHT OF WAY AND EASEMENT PROCUREMENT
 INLAND FEEDER CONTINGENCY
 INLAND FEEDER COST OF LAND AND RIGHT OF WAY
 INLAND FEEDER ENVIRONMENTAL MITIGATION
 INLAND FEEDER GROUNDWATER MONITORING
 INLAND FEEDER HIGHLAND PIPELINE CLAIMS COST
 INLAND FEEDER HIGHLAND PIPELINE CONSTRUCTION
 INLAND FEEDER HIGHLAND PIPELINE DESIGN
 INLAND FEEDER MENTONE PIPELINE CONSTRUCTION
 INLAND FEEDER MENTONE PIPELINE DESIGN
 INLAND FEEDER MENTONE PIPELINE RUSD CONSTRUCTION
 INLAND FEEDER OWNER CONTROLLED INSURANCE PROGRAM
 INLAND FEEDER PROGRAM REMAINING BUDGET/CONTINGENCY
 INLAND FEEDER PROJECT MANAGEMENT SUPPORT
 INLAND FEEDER PURCHASE OF LAND AND RIGHT OF WAY
 INLAND FEEDER RAISE BURIED STRUCTURES AND REALIGN DAVIS RD.
 INLAND FEEDER REVERSE OSMOSIS PLANT
 INLAND FEEDER RIVERSIDE BADLANDS TUNNEL CONSTRUCTION
 INLAND FEEDER RIVERSIDE NORTH PIPELINE DESIGN
 INLAND FEEDER RUSD CLAIMS DEFENSE
 INLAND FEEDER STUDIES
 INLAND FEEDER UNDERGROUND STORAGE TANK REMOVAL & ABOVEGROUND STORAGE TANK INSTALLATION
 INLAND FEEDER, ARROWHEAD EAST TUNNEL
 INLAND FEEDER, ARROWHEAD TUNNELS CONSTRUCTION
 INLAND FEEDER, CONTRACT #5, OPAL AVENUE PORTAL / BADLANDS TUNNEL
 INLAND FEEDER, CONTRACT #7, RIVERSIDE NORTH PIPELINE CONSTRUCTION
 INLAND FEEDER, PROGRAM MANAGEMENT
 INLAND FEEDER/SBMW HIGHLAND INTERTIE BYPASS LINE REHAB
 INSULATION JOINT TEST STATIONS
 INTAKE POWER AND COMMUNICATION LINE RELOCATION
 INTAKE POWER AND COMMUNICATIONS LINE RELOCATION
 INTAKE PPLANT - POWER & COMMUNICATION LINE REPLACEMENT
 INTAKE PUMPING PLANT - COOLING AND REJECT WATER DISCHARGE TO LAKE HAVASU
 INTAKE PUMPING PLANT AUTOMATION PROGRAMMING
 INTAKE PUMPING PLANT INSTRUMENTATION REPLACEMENT
 INTAKE PUMPING PLANT INSTRUMENTATION REPLACEMENT & AUTOMATION
 INTAKE PUMPING PLANT INSTRUMENTATION REPLACEMENT & AUTOMATION (4 PLANTS)
 INTAKE PUMPING PLANT POWER & COMMUNICATION LINE REPLACEMENT
 INTAKE PUMPING PLANT SCADA SYSTEM
 INTAKE PUMPING PLANT STANDBY GENERATOR REPLACEMENT
 IRON MOUNTAIN & EAGLE MOUNTAIN 230KV TRANSMISSION LINE PILOT RELAY
 IRON MOUNTAIN AUXILIARY POWER SYSTEM REHABILITATION
 IRON MOUNTAIN GENERATOR REPLACEMENT
 IRON MOUNTAIN PUMPING PLANT
 IRON MOUNTAIN PUMPING PLANT DELIVERY LINE NO. 1 RELINING
 IRON MOUNTAIN PUMPING PLANT HOUSING REPLACEMENT
 IRON MOUNTAIN PUMPING PLANT SCADA SYSTEM
 IRON MOUNTAIN SERVICE PIT REHABILITATION
 IRON MOUNTAIN & EAGLE MOUNTAIN 230KV TRANSMISSION LINE PILOT RELAY
 JULIAN HINDS PUMPING PLANT DELIVERY PIPE EXPANSION JOINT PHASE 2 REPAIRS
 JULIAN HINDS PUMPING PLANT DELIVERY PIPE EXPANSION JOINT PHASE I REPAIR
 LAKE MATHEWS FOREBAY & HEADWORK FACILITY & EQUIPMENT
 LAKE MATHEWS FOREBAY WALKWAY REPAIRS
 LAKE MATHEWS ICS
 LAKE MATHEWS INTERIM CHLORINATION SYSTEM
 LAKE SKINNER - OUTLET CONDUIT FLOWMETER INSTALLATION
 LAKE SKINNER BYPASS PIPELINE NO. 2 CATHODIC PROTECTION
 LAKE SKINNER OUTLET CONDUIT
 LAKEVIEW PIPELINE LEAK REPAIR AT STA. 2510+49
 LAVERNE FACILITIES - EMERGENCY GENERATOR
 LAVERNE FACILITIES - MATERIAL TESTING
 LOWER FEEDER EROSION PROTECTION
 MAGAZINE CANYON - VALVE REPLACEMENT FOR SAN FERNADO TUNNEL (STATION 778+80)
 MAGAZINE CANYON OIL & WATER SEPARATOR
 MAGAZINE CANYON OIL/WATER SEPARATOR
 MAPES LAND ACQUISITION
 MENTONE PPLN, RUSD, DEFENSE OF CLAIM
 MILE 12 FLOW AND CHLORINE MONITORING STATION UPGRADES
 MILE 12 POWER LINE & FLOW MONITORING EQUIPMENT STUDY
 MILLS PLANT SUPPLY PUMP STATION STUDY
 MINOR CAP FY 2011/12
 MOTOR BREAKER FAULTY (5 PPLANTS)

TABLE 3 CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS	
Description	
<u>Conveyance and Aqueduct Facilities</u>	
NEWHALL TUNNEL - REPAIR STEEL LINER NEWHALL TUNNEL - UPGRADE LINER SYSTEM NITROGEN STORAGE STUDY AT DVL, INLAND FEEDER PC-1, AND LAKE MATHEWS OC 44 SERVICE CONNECTIONS & EOC#2 METER ACCESS ROAD REPAIR OC 88 PUMP PLANT FIRE PROTECTION STUDY OC-71 SERVICE CONNECTION REPAIRS OLINDA PCS FACILITY REHABILITATION AND UPGRADE OLINDA PRESSURE CONTROL STRUCTURE FACILITY REHABILITATION AND UPGRADE ORANGE COUNTY 44 SERVICE CONNECTIONS & EOC#2 METER ACCESS ROAD REPAIR ORANGE COUNTY 88 PUMP PLANT FIRE PROTECTION STUDY OWNER CONTROLLED INSURANCE PROGRAM PALO VERDE VALLEY LAND PURCHASE - 16,000 ACRES PALOS VERDES FEEDER REHABILITATION OF DOMINGUEZ CHANNEL PALOS VERDES RESERVOIR SPILLWAY MODIFICATION PROJECT MANAGEMENT SUPPORT PUDDINGSTONE RADIAL GATE REHABILITATION PURCHASE OF LAND AND RIGHT OF WAY QUAGGA MUSSEL STUDY R&R FOR CRA REPAIR UPPER FEEDER LEAKING EXPANSION JOINT REPAIRS TO TUNNELS RIALTO FEEDER REPAIR @ STA. 3662+23 RIALTO FEEDER REPAIR OF ANOMALOUS PIPE SECTION RIVERSIDE BADLANDS TUNNEL CONSTRUCTION RIVERSIDE BRANCH - ALESSANDRO BLVD, LEFT LAND TURN LANE RIVERSIDE BRANCH - CONSTRUCTION OF CONTROL PANEL DISPLAY WALL RIVERSIDE NORTH PIPELINE DESIGN & CONSTRUCTION RIVERSIDE SOUTH PIPELINE CONSTRUCTION SAN DIEGO PIPELINE REPAIR AT STATION 1268+57 SAN FERNANDO TUNNEL STATION 778+80 VALVE REPLACEMENT SAN GABRIEL TOWER SEISMIC ASSESSMENT SAN GABRIEL TOWER SLIDE GATE REHABILITATION SAN JACINTO TUNNEL EAST ADIT REHABILITATION SAN JACINTO TUNNEL, WEST PORTAL SAN JOAQUIN RESERVOIR - NEW DESIGN SAN JOAQUIN RESERVOIR IMPROVEMENT- FLOATING COVER SAN JOAQUIN RESERVOIR IMPROVEMENTS SAN JOAQUIN RESERVOIR IMPROVEMENTS STUDY SAND TRAP CLEANING EQUIPMENT AND TRAVELING CRANE STUDY SANTA ANA RIVER BRIDGE SEISMIC RETROFIT SANTIAGO TOWER ACCESS ROAD UPGRADE SANTIAGO TOWER PATROL ROAD REPAIR SD5 REPAIR SECOND LOWER FEEDER STRAY CURRENT MITIGATION SYSTEMS REFURBISHMENT SECURITY FENCING AT OC-88 PUMPING PLANT SEISMIC EVALUATION OF CRA STRUCTURES SEISMIC PROGRAM SEISMIC UPGRADE OF 11 FACILITIES OF THE CONVEYANCE & DISTRIBUTION SYSTEM SEPULVEDA FEEDER CORROSION INTERFERENCE MITIGATION SEPULVEDA FEEDER REPAIR AT STATION 1099 SEPULVEDA FEEDER STRAY CURRENT MITIGATION SYSTEM REFURBISHMENT SERVICE CONNECTION & EOCF #2 METER ACCESS ROAD UPGRADE & BETTERMENT SERVICE CONNECTION DWCV-2T VALVES REPLACEMENT AND STUCTURE CONSTRUCTION SKINNER BR - IMPROVE CABAZON RADIAL GATE FACILITY SUCTION & DISCHARGE LINES EXPANSION JOINT STUDY SWMCHYARDS AND HEAD GATES REHAB TEMESCAL HYDRO-ELECTRIC PLANT ACCESS ROAD UPGRADE TEMESCAL POWER PLANT ACCESS ROAD PAVING TRANSFORMER OIL & CHEMICAL UNLOADING PAD CONTAINMENT TRANSFORMER OIL AND SODIUM HYPOCHLORITE CONTAINMENT PROJECT U.S. BUREAU OF LAND MANAGEMENT LAND ACQUISITION UPPER FEEDER CATHODIC PROTECTION SYSTEM UPPER FEEDER GATES REHABILITATION PROJECTS UPPER FEEDER LEAKING EXPANSION JOINT REPAIR VALLEY BRANCH - PIPELINE CORROSION TEST STATION WASTEWATER SYSTEM REHABILITATION WASTEWATER SYSTEM REHABILITATION - GENE/IRON MTN WASTEWATER SYSTEM REHABILITATION - HINDS/EAGLE MTN WEST VALLEY FEEDER #2 CATHODIC PROTECTION SYSTEM REHABILITATION WHITE WATER SIPHON PROTECTION WHITEWATER EROSION PROTECTION STRUCTURE REHABILITATION WHITEWATER SIPHON EROSION PROTECTION WHITEWATER SIPHON PROTECTION STRUCTURE	
<i>Sub-total Conveyance and Aqueduct facilities costs</i>	\$ 76,958,748

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description**Distribution Facilities**

108TH STREET PRESSURE CONTROL STRUCTURE VALVE REPLACEMENT
 42" CONICAL PLUG VALVE REPLACEMENT
 ACCUSONIC FLOW METER UPGRADE
 ACCUSTIC FIBER OPTIC MONITORING OF PCCP LINES
 ALAMEDA CORRIDOR PIPELINE
 ALL FACILITIES - WATER DISCHARGE ELIMINATION
 ALL FACILITIES, INSPECTION AND REPLACEMENT OF CRITICAL VACUUM VALVES
 ALL FEEDERS - MANHOLE LOCKING DEVICE RETROFIT
 ALL PUMPING PLANTS - INSTALL HYPOCHLORINATION STATIONS
 ALLEN MCCOLLOCH PIPELINE 2010 REFURBISHMENT
 ALLEN MCCOLLOCH PIPELINE CATHODIC PROTECTION
 ALLEN MCCOLLOCH PIPELINE INTERCONNECTIONS
 ALLEN MCCOLLOCH PIPELINE LOCAL CONTROL MODIFICATIONS
 ALLEN MCCOLLOCH PIPELINE REPAIR
 ALLEN MCCOLLOCH PIPELINE REPAIR - CARBON FIBER LINING REPAIR
 ALLEN MCCOLLOCH PIPELINE REPAIR - SERVICE CONNECTIONS UPGRADES
 ALLEN MCCOLLOCH PIPELINE REPAIR - STATION 276+63
 ALLEN MCCOLLOCH PIPELINE REPAIR - SURGE SUPPRESSION SYSTEM AT OC88A
 ALLEN MCCOLLOCH PIPELINE REPAIR - VALVE ACTUATOR REPLACEMENTS
 ALLEN MCCOLLOCH PIPELINE REPAIR SERVICE CONNECTIONS SIMPLIFICATION
 ALLEN MCCOLLOCH PIPELINE STRUCTURE - ROOF SLAB REPAIRS
 ALLEN MCCOLLOCH PIPELINE VALVE VAULT REPAIRS
 ALLEN-MCCOLLOCH CORROSION/INTERFERENCE MITIGATION, STATION 719+34 TO 1178+02
 ALLEN-MCCOLLOCH PIPELINE
 ALLEN-MCCOLLOCH PIPELINE OC-76 TURNOUT RELOCATION
 ALLEN-MCCOLLOCH PIPELINE PCCP REHABILITATION
 ALLEN-MCCOLLOCH PIPELINE REFURBISHMENT - STAGE 2
 ALLEN-MCCOLLOCH PIPELINE VALVE AND SERVICE CONNECTION VAULT REPAIRS
 AMP -SERVICE CONNECTIONS UPGRADES
 AMP -VALVE ACTUATOR REPLACEMENTS
 AMP COMPLETION RESOLUTION RIGHT OF WAY ISSUES
 AMR - RTU UPGRADE - PHASE 2
 ANODE WELL REPLACEMENT FOR ORANGE COUNTY AND RIALTO FEEDERS
 APPIAN WAY VALVE REPLACEMENT
 ARROW HIGHWAY PROPERTY DEVELOPMENT
 ASPHALT REHABILITATION AT WEYMOUTH FINISHED WATER RESERVOIR
 ASPHALT REPAIRS TO PERIMETER OF SEPULVEDA PCS
 ASSESS THE CONDITION OF METROPOLITAN'S PRESTRESSED CONCRETE CYLINDER PIPE
 ASSESS THE CONDITIONS OF MET'S
 ASSESSMENT OF PRESTRESSED CONCRETE CYLINDER PIPELINES - PHASE 3
 AULD VALLEY CONTROL STRUCTURE AREA FACILITIES
 AUTOMATED RESERVOIR WATER QUALITY MONITORING
 AUTOMATIC METER READING SYSTEM - RTU UPGRADE PHASE 2
 AUTOMATIC METER READING SYSTEM UPGRADE
 AUTOMATION COMMUNICATION UPGRADE
 AUTOMATION DOCUMENTATION SURVEY F/A
 BAR 97- ENHANCED AREA VEHICLE TESTING
 BATTERY MONITORING SYSTEM FOR AUTOMATIC METER READING SYSTEM
 BIXBY VALVE REPLACEMENT
 BLACK METAL MOUNTAIN ELECTRICAL TRANSFORMER
 BOX SPRINGS FEEDER BROKEN BACK REPAIR
 BOX SPRINGS FEEDER BROKEN BACK REPAIR PHASE I
 BOX SPRINGS FEEDER PHASE 3 AND 4 ENVIRONMENTAL MONITORING
 BOX SPRINGS FEEDER REPAIR - PHASE II
 BOX SPRINGS FEEDER REPAIRS PHASE 3 AND PHASE 4
 C&D CRANE INSTALLATION AT OC-88 PUMPING PLANT
 CAJALCO CREEK DAM MANHOLE COVER RETROFIT
 CAJALCO CREEK DETENTION DAM SPILLWAY ACCESS ROAD
 CALABASAS FEEDER CARBON FIBER /BROKEN BACK REPAIR
 CALABASAS FEEDER INTERFERENCE MITIGATION
 CALABASAS FEEDER PCCP REHABILITATION
 CALABASAS FEEDER REPAIR, STUDY
 CAPITAL PROGRAM FOR PROJECTS COSTING LESS THAN \$250,000 FOR FY 2010/11
 CAPITAL PROJECTS COSTING LESS THAN \$250,000 FOR FY2008-09
 CARBON CREEK PRESSURE CONTROL STRUCTURE SEISMIC ASSESSMENT
 CARBON CREEK PRESSURE CONTROL STRUCTURE SEISMIC RETROFIT
 CASA LOMA AND SAN DIEGO CANAL LINING STUDY - PART 2
 CASA LOMA SIPHON BARREL 1 & 2 DVL AND SD CANAL FLOW METER REPLACEMENT
 CASA LOMA SIPHON BARREL NO. 1 - PERMANENT REPAIRS
 CASA LOMA SIPHON BARREL NO. 1 JOINT REPAIR
 CASA LOMA SIPHON NO 1, CASA LOMA CANAL & SAN DIEGO CANAL FLOW METER REPLACEMENT
 CATHODIC PROTECTION FOR THE FOOTHILL FEEDER
 CATHODIC PROTECTION SYSTEM UPGRADES
 CCP-PHASE 2 CONSTRUCTION
 CDSRP - DISCHARGE ELIMINATION
 CDSRP - ENTRAINED AIR IN UPPER FEEDER PIPELINE STUDY
 CDSRP - SEPULVEDA FEEDER REPAIRS
 CDSRP - SEPULVEDA TANKS RECOATING
 CENTRAL POOL AUGMENTATION - TUNNEL AND PIPELINE & RIGHT-OF-WAY ACQUISITION
 CENTRAL POOL AUGMENTATION (CPA) PROGRAM - PIPELINE AND TUNNEL ALIGNMENT
 CENTRAL POOL AUGMENTATION AND WATER QUALITY PROJECT (CPAWQP)
 CHEMICAL INVENTORY AND USAGE REWRITE AND ELECTRICAL, SYSTEM LOG
 CHEMICAL UNLOADING FACILITY RETROFIT
 CHEVALIER FALCON MILLING MACHINE
 COASTAL JUNCTION REVERSE FLOW BYPASS
 COASTAL PRESSURE CONTROL STRUCTURE ROOF REPLACEMENT
 COLLIS AVENUE VALVE REPLACEMENT
 COLLIS VALVE REPLACEMENT
 COLORADO RIVER AQUEDUCT CASA LOMA SIPHON BARREL NO. 1 PROJECT NO. 2 - PERMANENT REPAIRS
 COMMUNICATIONS STRUCTURE ALARM MONITORING
 COMPREHENSIVE INFORMATION SECURITY ASSESSMENT PHASE III
 CONSTRUCTION PHASE 2
 CONTRACT & LITIGATION TASKS -CONTRACT # 1396

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Distribution Facilities

CONTROL SYSTEM DATA STORAGE AND REPORTING
 CONTROL SYSTEM DRAWING & DOCUMENTATION UPDATE
 CONTROL SYSTEM ENHANCEMENT PROGRAM (CSEP) - DIGITAL SUBNET STANDARDIZATION
 CONTROL SYSTEMS AUTOMATION COMMUNICATION UPGRADE
 CONTROLS COMMUNICATIONS FRAME RELAY CONVERSION - APPROPRIATED
 CONVERSION OF DEFORMATION SURVEY MONITORING AT GENE WASH, COPPER BASIN, AND DIEMER BASIN 8
 CONVEYANCE AND DISTRIBUTION SYSTEM ELECTRICAL STRUCTURES REHABILITATION
 CONVEYANCE AND DISTRIBUTION SYSTEM REHABILITATION PROGRAM (CDSRP) - CURRENT DRAIN STATIONS
 COPPER BASIN ICS
 COPPER BASIN SEWER SYSTEM
 CORONA POWER PLANT REPLACE EMERGENCY GENERATOR
 CORROSION MATERIALS TESTING FACILITY SCADA UPGRADE
 COVINA PRESSURECONTROL FACILITY
 COYOTE CREEK NORTHERN PERIMETER LANDSCAPING
 COYOTE PRESSURE CONTROL STRUCTURE ROOF REPLACEMENT
 CPA PIPELINE & TUNNEL ALIGNMENT
 CPA PIPELINE & TUNNEL ALIGNMENT - NON FUNDED PORTION
 CPA PIPELINE & TUNNEL ALIGNMENT - STUDY
 CPA WATER TREATMENT PLANT - NON FUNDED PORTION
 CPA WATER TREATMENT PLANT - RIGHT OF WAY - PHASE 2
 CPAWQP - PHASE 2
 CPAWQP - STUDY AND LAND ACQUISITION - CONTINGENCY
 CPAWQP - STUDY AND LAND ACQUISITION - PIPELINE & TUNNEL ALIGNMENT - STUDY
 CPAWQP - STUDY AND LAND ACQUISITION - RIGHT-OF-WAY-ACQUISITION
 CPAWQP - STUDY AND LAND ACQUISITION - WATER TREATMENT PLANT - RIGHT OF WAY - PHASE 2
 CPAWQP - STUDY AND LAND ACQUISITION - WATER TREATMENT PLANT - STUDY
 CRA - PC-1 EFFLUENT OPEN CHANNEL TRASH RACK
 CRA CABAZON & POTRERO SHAFT COVERS
 CRA CONTROL INTEGRATION
 CRA PROTECTIVE SLAB AT STATION 9704+77
 CROSS CONNECTION PREVENTION PROGRAM - PHASE II CONSTRUCTION
 CROSS CONNECTION PREVENTION PROJECT, COMPLETE PRELIMINARY DESIGN AND CEQA DOCUMENTATION
 CSEP - ELECTRONIC SYSTEM LOG (ESL)
 CSEP - ENERGY MANAGEMENT SYSTEM PHASE II
 CSEP - ENHANCED DISTRIBUTION SYSTEM CONTROL PROJECT
 CSEP - IMPLEMENTATION
 CSEP - OPERATIONS & BUSINESS DATA INTEGRATION PILOT
 CSEP - PLANT INFLUENT REDUNDANT FLOW METERING AND SPLITTING
 CSEP - PLC PHASE 2 - LIFE-CYCLE REPLACEMENT
 CSEP - PLC STANDARDIZATION
 CSEP - PLC STANDARDIZATION PHASE II
 CSEP - POWER MANAGEMENT SYSTEM
 CSEP - WATER PLANNING APPLICATION
 CSEP IMPLEMENTATION
 CSEP - SMART OPS (FORMERLY REAL TIME OPERATIONS SIMULATION)
 CURRENT DRAIN STATIONS
 DAM REHABILITATION & SAFETY IMPROVEMENTS ST. JOHN'S CANYON CHANNEL EROSION MITIGATION
 DANBY TOWER FOUNDATION INVESTIGATION AND SHORT TERM MITIGATION
 DEODERA PCS PAVEMENT UPGRADE & BETTERMENT
 DESERT BRANCH - REPLACE STOLEN COPPER GROUND WIRE FOOTINGS/GROUNDING, AND COPPER PIPING
 DESERT BRANCH PUMP PLANT AUXILIARY (STATION SERVICE)
 DESERT BRANCH, PURCHASE & INSTALL 5 PORT VIDEO CONFERENCING
 DESERT FACILITIES DOMESTIC WATER GAC SYSTEM INSTALLATION
 DESERT HIGH VOLTAGE TRANSMISSION TOWERS - REPLACE COPPER GROUND WIRES ON
 DETAIL SEISMIC EVALUATION OF WATER STORAGE TANK
 DFP - ELIMINATE BACKUP GENERATOR TIE-BUS & INSTALL MANUAL TRANSFER SWITCH FOR CHLORINE SCRUBBER
 DIEMER FILTRATION PLANT - SLOPE REPAIR
 DIEMER OZONE COOLING WATER ALTERNATIVE SOURCE
 DIRECTIONAL SIGNS FOR DIAMOND VALLEY LAKE FACILITY
 DISCHARGE ELIMINATION
 DIST SYS-AIR RELEASE & VAC VALVE MODS
 DISTRIBUTION SYSTEM - CAPP CONSTRUCTION PACKAGES 9,11,12
 DISTRIBUTION SYSTEM - STANDPIPE STRENGTHENING PROGRAM
 DISTRIBUTION SYSTEM - STATIONARY CORROSION REFERENCE
 DISTRIBUTION SYSTEM - TREATED WATER CROSS CONNECTION PREVENTION PROJECT - FINAL DESIGN & CONSTRUCTION
 DISTRIBUTION SYSTEM ASSESSMENTS/UPGRADES OF LOS ANGELES COUNTY
 DISTRIBUTION SYSTEM ASSESSMENTS/UPGRADES OF RIVERSIDE AND SAN DIEGO COUNTY
 DISTRIBUTION SYSTEM ASSESSMENTS/UPGRADES OF SAN BERNARDINO COUNTY
 DISTRIBUTION SYSTEM CONTROL & EQUIP UPGRADE - ENHANCED DISTRIB. SYSTEM AUTOMATION PHASE I
 DISTRIBUTION SYSTEM EQUIPMENT & INSTRUMENTATION UPGRADES
 DISTRIBUTION SYSTEM INFRASTRUCTURE PROTECTION IMPROVEMENTS FOR ORANGE COUNTY
 DISTRIBUTION SYSTEM REHABILITATION PROGRAM - ASSESS THE STATE OF MWD'S DISTRIBUTION SYSTEM
 DISTRIBUTION SYSTEM REPLACEMENT OF AREA CONTROL SYSTEMS - WILLOWGLEN RTUS ADMINISTRATION
 DISTRIBUTION SYSTEM REPLACEMENT OF AREA CONTROL SYSTEMS (DSRACS)
 DISTRICT WIDE - ENHANCED VAPOR RECOVERY PHASE 2 GASOLINE DISPENSING
 DSRACS - OPERATIONS CONTROL CENTER - CONTRACT #1396
 DSRACS - SKINNER AREA
 DSRACS - SOFTWARE DEVELOPMENT COST
 DSRACS - WEYMOUTH
 DVL & CONTROL SYSTEM REPLACEMENT INVESTIGATION & PREPARATION FOR PRELIMINARY DESIGN
 DVL VIEWPOINT ROAD SECURITY UPGRADES
 EAGLE EQUIPMENT WASH AREA UPGRADE
 EAGLE ROCK - ASPHALT REHABILITATION
 EAGLE ROCK - FIRE PROTECTION AT THE WESTERN AREA OF THE EAGLE ROCK CONTROL CENTER PERIMETER GROUNDS
 EAGLE ROCK CONTROL CENTER FIREHYDRANT
 EAGLE ROCK LATERAL INTERCONNECTION REPAIR
 EAGLE ROCK MAIN BUILDING ROOF REPLACEMENT - STUDY
 EAGLE ROCK OCC - REHAB CONTROL ROOM
 EAGLE ROCK OPERATIONS CONTROL CENTER
 EAGLE ROCK RESIDENCE CONVERSION
 EAGLE ROCK TOWER AND PUDDINGSTONE SPILLWAY GATES REHABILITATION
 EAGLE ROCK TOWER SLIDEGATE REHABILITATION
 EAST INFLUENT CHANNEL REPAIR PROJECT

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description**Distribution Facilities**

EAST ORANGE COUNTY FEEDER #2 REPAIR
EAST ORANGE COUNTY FEEDER NO. 2 SERVICE CONNECTION A-6 REHABILITATION
EAST VALLEY FEEDER VALVE STRUCTURE ELECTRICAL UPGRADE
EASTERN AND DESERT REGIONS PLUMBING RETROFIT
EASTERN REGION PCCP JOINT MODIFICATION 2012
E-DISCOVERY STORAGE MANAGEMENT SYSTEM UPGRADE
ELECTRIC CURRENT DRAIN STATION INSTALLATIONS
ELECTRICAL UPGRADES AT 15 STRUCTURES, OC REGION
ELECTROMAGNETIC INSPECTIONS OF PCCP LINES
ELECTRONIC SYSTEM LOG (ESL)
ENERGY MANAGEMENT SYSTEM - PHASE 2
ENHANCED DISTRIBUTION SYSTEM AUTOMATIC FLOW TRANSFERS SOFTWARE REDEVELOPMENT
ENHANCED DISTRIBUTION SYSTEM AUTOMATION PHASE I
ENHANCED DISTRIBUTION SYSTEM AUTOMATION PHASE II
ENVIRONMENTAL REGULATORY AGREEMENTS AND OTHER REGULATORY AGENCY
EQUIPMENT UPGRADE AT THE NORTH PORTAL OF THE HOLLYWOOD TUNNEL
ETIWANDA / RIALTO PIPELINE INTER-TIE CATHODIC PROTECTION
ETIWANDA CAVITATION FACILITY INFRASTRUCTURE REHABILITATION
ETIWANDA CAVITATION TEST FACILITY COMMUNICATION AND CONTROL SYSTEM REPLACEMENT
ETIWANDA HEP NEEDLE VALVE OPERATORS
ETIWANDA PIPELINE - LINING REPLACEMENT
ETIWANDA PIPELINE AND CONTROL FACILITY - RIGHT OF WAY
ETIWANDA PIPELINE AND CONTROL FACILITY - AS BUILTS
ETIWANDA PIPELINE AND CONTROL FACILITY - CATHODIC PROTECTION
ETIWANDA PIPELINE AND CONTROL FACILITY - EMERGENCY DISCHARGE CONDUITS
ETIWANDA PIPELINE AND CONTROL FACILITY - LANDSCAPING AND IRRIGATION
ETIWANDA PIPELINE AND CONTROL FACILITY - RESIDENCES
ETIWANDA PIPELINE AND CONTROL FACILITY - RIALTO FEEDER TO UPPER PIPELINE
ETIWANDA PIPELINE LINING REPAIRS
ETIWANDA PIPELINE LINING REPLACEMENT
ETIWANDA RESERVOIR - EXTEND OUTLET STRUCTURE
FACILITY AND PROCESS RELIABILITY ASSESSMENT
FAIRPLEX AND WALNUT PCS VALVES REPLACEMENT
FILTER ISOLATION GATE AND BACKWASH CONTROL WEIR COVERS MODULES 1-6
FLOW METER REPLACEMENT PROJECT
FLOWMETER MODIFICATION - LAKE SKINNER INLET, ETIWANDA EFFLUENT & WADSWORTH CROSS CHANNEL
FOOTHILL & SEPULVEDA FEEDER PCCP CARBON FIBER JOINT REPAIRS
FOOTHILL FEEDER - CASTAIC VALLEY BLOW-OFF VALVES REPLACEMENT
FOOTHILL FEEDER ADEN AVE. REHABILITATION
FOOTHILL FEEDER CARBON FIBER REPAIR
FOOTHILL FEEDER CATHODIC PROTECTION
FOOTHILL FEEDER PIPELINE REPLACEMENT PROJECT
FOOTHILL FEEDER POWER PLANT EXPANSION
FOOTHILL FEEDER REPAIR @ SANTA CLARITA RIVER
FOOTHILL FEEDER, CARBON FIBER REPAIRS
FOOTHILL HYDROELECTRIC RUNNER REPLACEMENT
FOOTHILL PCS - UNINTERRUPTIBLE POWER SOURCE SYSTEMS INSTALLATION
FOOTHILL PCS FLOOD PUMP INSTALLATION DESIGN DOCUMENTATION
FOOTHILL PCS INTERNAL VALVE LINERS UPGRADE
FUTURE SYSTEM RELIABILITY PROGRAM
GARVEY RESERVOIR - HYPOCHLORITE FEED SYSTEM
GARVEY RESERVOIR - INSTALL HYPOCHLORINATION STATIONS
GARVEY RESERVOIR - LOWER ACCESS PAVING ROAD & DRAINS
GARVEY RESERVOIR CONTROL VALVES REPLACEMENT
GARVEY RESERVOIR HYPOCHLORITE FEED SYSTEM
GARVEY RESERVOIR SITE DRAINAGE REPAIRS AND MODIFICATIONS
GARVEY RESERVOIR SODIUM HYPOCHLORITE FEED SYSTEM REHABILITATION
GENE & IRON POOLS
GENE AIR CONDITIONING SYSTEM REPLACEMENT
GENE MESS HALL AIR CONDITIONING UNIT
GENE SPARE PARTS WAREHOUSE IMPROVEMENTS
GLENDALE 01 SERVICE CONNECTION REHAB
GLENDALE-01 SERVICE CONNECTION REHABILITATION AND UPGRADE
GLENDALE-01 SERVICE CONNECTION REHABILITATION
GREG AVE PCS FACILITY REHABILITATION
GREG AVENUE CONTROL STRUCTURE VALVE REPLACEMENT
GREG AVENUE PCS - PUMP MODIFICATIONS AND NEW CONTROL BUILDING
GREG AVENUE PCS CONTROL BUILDING INTERIOR REHABILITATION
HINDS GARAGE ASBESTOS SHEETING REPLACEMENT
HOLLYWOOD TUNNEL NORTH PORTAL EQUIPMENT UPGRADES
HVAC MODIFICATIONS FOR ELECTRICAL SAFETY AND RELIABILITY
HYDRAULIC MODELING PROJECT
HYDROELECTRIC PLANT CARBON DIOXIDE (CO2) FIRE SUPPRESSION SYSTEM MODIFICATIONS
HYDROELECTRIC POWER PLANT (HEP) DISCHARGE ELIMINATION
IAS PROJECTS - CPA
IAS PROJECTS - DVL-SKINNER
IAS PROJECTS - MILLS SUPPLY RELIABILITY
INLAND FEEDER AND LAKEVIEW PIPELINE INTERTIE
INLAND PCSUST REMOVAL & AST INSTALLATION
INSTALL MOTION SENSORS IN NEW EXPANSION
INSTALL TEST LEADS AT FOUR LOCATIONS
INSULATION JOINT TEST STATIONS
INTAKE PUMPING PLANT - UNDER FREQUENCY PROTECTION RELAY UPGRADE
IRON MOUNTAIN - TRANSFORMER OIL TANK RELOCATION
JENSEN DISTRIBUTION SYSTEM - REPLACEMENT OF AREA CONTROL SYSTEMS - CONTRACT # 1396
JENSEN EGEN UST UPGRADE - LINE LEAK DETECTOR INSTALLATION
JENSEN FILTER EFFLUENT TURBIDIMETER RELIABILITY

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description**Distribution Facilities**

JENSEN FILTRATION PLANT - REPLACE ADMINISTRATION BUILDING AIR CONDITIONING
 JENSEN FILTRATION PLANT - ROAD RECONSTRUCTION
 JENSEN FLUORIDE TANK REPLACEMENT
 LA VERNE FACILITIES - BRIDGEPORT E-2-PATH
 LA VERNE FACILITIES - ENERGY CONSERVATION ECM1 - 10
 LA VERNE FACILITIES - EXPANSION OF THE SANITARY SEWER
 LA VERNE FACILITIES - HAZARDOUS WASTE STORAGE
 LA VERNE FACILITIES - MAIN TRANSFORMERS REPLACEMENT
 LA VERNE FACILITIES - MATERIALS TESTING LABORATORY
 LA VERNE FACILITIES - REPLACEMENT OF FLOCCULATOR STUB SHAFT - BASINS 1 & 2
 LA VERNE MACHINE SHOP - AIR CONDITIONING UNIT REPLACEMENT
 LA VERNE MACHINE SHOP - REPAIR HORIZONTAL BORING MILL
 LA-35 DISCHARGE STRUCTURE REPAIRS
 LAKE MATHEWS - CONSTRUCTION OF BACKUP COMPUTER FACILITIES
 LAKE MATHEWS - DIVERSION TUNNEL WALKWAY REPAIR
 LAKE MATHEWS - FACILITY WIDE EMERGENCY WARNING AND PAGING SYSTEM
 LAKE MATHEWS - FOREBAY MCC ROOF IMPROVEMENT
 LAKE MATHEWS - MAIN DAM TOE SEEPAGE COLLECTION
 LAKE MATHEWS - MULTIPLE SPECIES MANAGER'S OFFICE & RESIDENCE
 LAKE MATHEWS - RENOVATION OF BLDGS, 8 & 15, GENERAL ASSEMBLY & ADMIN. BLDG, OFFICE AREAS
 LAKE MATHEWS - RETROFIT LOWER ENTRANCE GATE SWING ARM
 LAKE MATHEWS FENCING SECURITY UPGRADE
 LAKE MATHEWS FOREBAY MCC ROOF IMPROVEMENT
 LAKE MATHEWS MAIN DAM TOE SEEPAGE COLLECTION
 LAKE MATHEWS RETROFIT LOWER ENTRANCE GATE SWING ARM
 LAKE PERRIS BYPASS PIPELINE EXPLORATION
 LAKE PERRIS BYPASS PIPELINE RELINING
 LAKE PERRIS EMERGENCY STANDBY GENERATOR AND TRANSFER SWITCH REPLACEMENT
 LAKE SKINNER - AERATOR AIR COMPRESSOR REPLACEMENT
 LAKE SKINNER - OUTLET TOWER VALVE REHABILITATION
 LAKE SKINNER - REPLACEMENT AERATOR RING
 LAKE SKINNER AERATOR AIR COMPRESSOR REPLACEMENT
 LAKE SKINNER AREA DISTRIBUTION SYSTEM VALVE REPLACEMENT
 LAKE SKINNER DAM ROAD REHAB
 LAKE SKINNER EAST BYPASS SCREENING STRUCTURES
 LAKE SKINNER OUTLET TOWER CHLORINE SYSTEM MODIFICATION
 LAKE SKINNER WEST BYPASS SCREENING STRUCTURE
 LAKE SKINNER WEST BYPASS SCREENING STRUCTURE REHABILITATION
 LAKE VIEW PIPE LINE REPAIRS
 LAKEVIEW PIPELINE - REPLACE VACUUM/AIR RELEASE
 LAKEVIEW PIPELINE CATHODIC PROTECTION SYSTEM
 LAKEVIEW PIPELINE RELINING
 LAKEVIEW PIPELINE REPAIR
 LAKEVIEW PIPELINE UPGRADE
 LIVE OAK RESERVOIR BYPASS PIPELINE CATHODIC PROTECTION
 LOWER FEEDER - CATHODIC PROTECTION
 LOWER FEEDER WR 33 - AREA REPAIR AND REMEDIATION
 MAGAZINE CANYON CANOPY
 MAGAZINE CANYON-ISOLATION GATE JACKING FRAME
 MAPES LAND ACQUISITION
 MICROWAVE COMMUNICATION SITES BUILDING UPGRADE
 MIDDLE CROSS FEEDER CATHODIC PROTECTION
 MIDDLE FEEDER - CATHODIC PROTECTION SYSTEMS
 MIDDLE FEEDER - NORTH CATHODIC PROTECTION SYSTEM
 MIDDLE FEEDER BLOW-OFF VALVE REPLACEMENT AT STA 782+53.16
 MIDDLE FEEDER NORTH CATHODIC PROTECTION SYSTEM
 MIDDLE FEEDER RELOCATION FOR SCE MESA SUBSTATION
 MILLS FILTRATION PLANT - INVESTIGATION TO RELOCATE ACCESS ROAD
 MINOR CAP 08/09 PLACEHOLDER
 MINOR CAP FY 2009/10
 MINOR CAP FY 2012/13
 MINOR CAP FY 2014/16
 MINOR CAPITAL PROJECTS PROGRAM 07/08 - REMAINING FUNDS
 MOUNT OLYMPUS TUNNEL COST RIGHT-OF-WAY (ROW)
 MWD ROAD GUARDRAIL
 NITROGEN STORAGE COMPLIANCE AT DVL, INLAND FEEDER PCS, AND LAKE MATHEWS
 NITROGEN STORAGE STUDY
 NON PCCP LINES CONDITION INSPECTION AND ASSESSMENT
 NORTH PORTAL OF HOLLYWOOD TUNNEL
 NORTH REACH CONSTRUCTION / INSPECTION / CM
 NORTH REACH CONSTRUCTION/ASBUILT
 NORTH REACH ENVIRONMENTAL - CONSTRUCTION
 NORTH REACH FINAL DESIGN & ADV/NTP
 NORTH REACH POST DESIGN / ASBUILT
 NORTH REACH PROGRAM MANAGEMENT - CONSTRUCTION
 NORTHERN PIPELINE ENVIRONMENTAL FINAL DESIGN
 NORTHERN PIPELINE RIGHT OF WAY FINAL DESIGN
 OAK ST. PCS ROOF REPLACEMENT
 OAK STREET PRESSURE CONTROL STRUCTURE ROOF REPLACEMENT - CONSTRUCTION
 OC 44 SERVICE CONNECTIONS & EOC#2 METER ACCESS ROAD REHAB
 OC FEEDER STA 1920+78 BLOWOFF STRUCTURE & RIP-RAP REPAIRS
 OC RESERVOIR SODIUM HYPOCHLORITE PUMP AND PIPING REPLACEMENT
 OC-71 FLOW CONTROL FACILITY
 OC-88 - SECURITY FENCING AT PUMP PLANT
 OC-88 EMERGENCY STANDBY GENERATOR UPGRADE STUDY
 OC-88 PUMP PLANT AIR COMPRESSOR UPGRADE
 OC-88 PUMP STATION FLOW METER UPGRADE
 OC-88 PUMPING PLANT SURGE TANKS UPGRADES
 OC-88 PUMPING PLANT UPGRADES
 OLINDA PCS AND SANTIAGO TOWER EMERGENCY GENERATORS
 OLINDA PCS VALVE REPLACEMENT
 OLINDA PRESSURE CONTROL STRUCTURE
 OLINDA PRESSURE CONTROL STRUCTURE AND SANTIAGO TOWER EMERGENCY GENERATORS

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description**Distribution Facilities**

ON-CALL RESOURCES MANAGEMENT APPLICATION
 OPERATIONS CONTROL CENTER AT EAGLE ROCK
 OPERATIONS CONTROL CENTER UPS REPLACEMENT
 OPERATIONS SCOPING STUDY
 ORANGE CO FDR, BLOW-OFF STRUCTURE AND ACCESS ROAD REPAIR
 ORANGE COUNTY - 88 PUMP PLANT AIR COMPRESSOR UPGRADE
 ORANGE COUNTY - 88 SECURITY FENCING AT PUMP PLANT
 ORANGE COUNTY AREA DISTRIBUTION SYSTEM VALVE REPLACEMENT
 ORANGE COUNTY C & D ELECTRICAL IMPROVEMENTS - STUDY
 ORANGE COUNTY C&D INSTRUMENTATION PANEL IMPROVEMENTS
 ORANGE COUNTY C&D TEAM SUPPORT FACILITY
 ORANGE COUNTY CONVEYANCE AND DISTRIBUTION SERVICE CENTER
 ORANGE COUNTY FEEDER CATHODIC PROTECTION
 ORANGE COUNTY FEEDER CATHODIC PROTECTION SYSTEM REHABILITATION
 ORANGE COUNTY FEEDER EXTENSION LINING REPAIR
 ORANGE COUNTY FEEDER INSPECTION
 ORANGE COUNTY FEEDER INTERNAL INSPECTION STUDY
 ORANGE COUNTY FEEDER LINING REPAIRS
 ORANGE COUNTY FEEDER PRESSURE CONTROL STRUCTURES
 ORANGE COUNTY FEEDER RELINING
 ORANGE COUNTY FEEDER RELOCATION IN FULLERTON
 ORANGE COUNTY FEEDER SCHEDULE 37SC CATHODIC PROTECTION
 ORANGE COUNTY FEEDER STA 1920+78 BLOWOFF STRUCTURE & RIP-RAP REPAIRS
 ORANGE COUNTY REGION ENVIRONMENTAL MITIGATION MONITORING
 ORANGE COUNTY RESERVOIR - INSTALL HYPOCHLORINATION STATIONS
 ORANGE COUNTY RESERVOIR - PIEZOMETERS & SEEPAGE MONITORING AUTOMATION
 OXIDATION DEMONSTRATION PLANT CONTROL SYSTEM REPLACEMENT
 PALOS ALTOS FEEDER - 108TH ST.
 PALOS VERDES FEEDER - LONG BEACH LATERAL TURNOUT STRUCTURES STA. 1442+15 VALVE REPLACEMENTS
 PALOS VERDES FEEDER PCS - VALVE REPLACEMENT
 PALOS VERDES RESERVOIR - INSTALL HYPOCHLORINATION STATIONS
 PC-1 EFFLUENT OPEN CHANNEL TRASH RACK
 PC-1 EFFLUENT OPEN CHANNEL TRASH RACK PROJECT
 PCCP HYDRAULIC ANALYSES
 PCCP REHABILITATION - PROGRAM MANAGEMENT
 PERIMETER FENCING AT PLACERITA CREEK
 PERMANENT LEAK DETECTION/PIPELINE MONITORING SYSTEM
 PERRIS PCS - UNINTERRUPTIBLE POWER SOURCE SYSTEMS INSTALLATION
 PERRIS CONTROL FACILITY BYPASS & PCS UPGRADE
 PERRIS PCS ROOF REHAB
 PERRIS PRESSURE CONTROL STRUCTURE ROOF REPLACEMENT
 PERRIS PUMPBACK COVER
 PERRIS VALLEY PIPELINE - DESIGN-BUILD (EMWD)
 PERRIS VALLEY PIPELINE - GENERAL
 PERRIS VALLEY PIPELINE - NORTH REACH
 PERRIS VALLEY PIPELINE - RESERVED FOR STAGE II DESIGN / BUILD
 PERRIS VALLEY PIPELINE - SOUTH REACH
 PERRIS VALLEY PIPELINE - STUDY
 PERRIS VALLEY PIPELINE - TIE-IN (MMWD)
 PERRIS VALLEY PIPELINE - TUNNELS
 PERRIS VALLEY PIPELINE - VALVES
 PERRIS VALLEY PIPELINE DESIGN-BUILD (EMWD)
 PERRIS VALLEY PIPELINE NORTH REACH
 PERRIS VALLEY PIPELINE SOUTH REACH
 PERRIS VALLEY PIPELINE TIE-IN (MMWD)
 PERRIS VALLEY PIPELINE VALVES
 PLACENTIA RAILROAD LOWERING PROJECT
 PLACERITA CREEK PERIMETER FENCING
 PLANT INFLUENT REDUNDANT FLOW METERING AND SPLITTING
 PLC REPLACEMENT PHASE II
 PRESTRESSED CONCRETE CYLINDER PIPE - PHASE 2
 PRESTRESSED CONCRETE CYLINDER PIPE (PCCP) STRUCTURAL PERFORMANCE RISK ANALYSIS
 PRESTRESSED CONCRETE CYLINDER PIPE -PHASE 3
 PROGRAMMATIC ENVIRONMENTAL DOCUMENTATION OF ORANGE COUNTY
 PROGRAMMATIC ENVIRONMENTAL DOCUMENTATION OF SAN BERNARDINO COUNTY
 PROGRAMMABLE LOGIC CONTROLLER (PLC) STANDARDIZATION
 PROGRAMMATIC ENVIRONMENTAL DOCUMENTATION FOR THE LOS ANGELES CO. OPERATING REGION
 PROGRAMMATIC ENVIRONMENTAL DOCUMENTATION FOR THE ORANGE COUNTY OPERATING REGION
 PROGRAMMATIC ENVIRONMENTAL DOCUMENTATION FOR THE RIVERSIDE/SAN DIEGO CO. OPERATING REGION
 PROGRAMMATIC ENVIRONMENTAL DOCUMENTATION FOR THE WESTERN SAN BERNARDINO COUNTY OPERATING REGION
 PUDDINGSTONE SPILLWAY CROSS CONNECTION
 PV RESERVOIR HYPOCHLORITE PUMP AND PIPING REPLACEMENT
 R&R FOR DISTRIBUTION
 REAL PROPERTY ACQUISITION
 RED MOUNTAIN - OCT. 2007 FIRE DAMAGE - COMMUNICATION POWER TOWERS & METER STRUCTURES REPAIR/REPLACE (INCIDENT NO. 2007-1023-0271)
 RED MOUNTAIN HEP FLOOD DAMAGE
 RED MTN COMM. TOWER & METER STRUCTURE
 REHABILITATION OF THE GREG AVE PCS CONTROL BUILDING INTERIOR
 RELOCATION OF ORANGE COUNTY FEEDER
 RELOCATION OF PORTION OF ORANGE COUNTY FEEDER (MWD'S SHARE)
 REMAINING PORTIONS
 REPAIRS TO THE LA-35 DISCHARGE STRUCTURE
 REPLACE 2 FIRE & DOMESTIC WATER SYSTEM
 REPLACE COMMUNICATION LINE TO THE SAN GABRIEL CONTROL TOWER
 REPLACE COPPER GROUNDWIRES ON DESERT HIGH VOLTAGE TRANSMISSION TOWERS
 REPLACE VALVE POSITION INDICATORS
 REPLACEMENT OF COMMUNICATION LINE AT SAN GABRIEL TOWER
 REPLACEMENT/ RELINE AT-RISK PCCP LINES - STAGE 1
 RIALTO FEEDER BROKEN BACK REPAIR
 RIALTO FEEDER VALVE STRUCTURE
 RIALTO FEEDER, REPAIRS AT SELECT LOCATIONS, STUDY
 RIALTO PIPELINE - CONSTRUCTION PHASE 1
 RIALTO PIPELINE - CONSTRUCTION PHASE 2
 RIALTO PIPELINE IMPROVEMENTS
 RIALTO PIPELINE IMPROVEMENTS - CONSTRUCTION

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description**Distribution Facilities**

RIALTO PIPELINE IMPROVEMENTS - CONSTRUCTION PHASE III
 RIALTO PIPELINE IMPROVEMENTS - DESIGN PHASE 2
 RIALTO PIPELINE IMPROVEMENTS - DESIGN PHASE 3
 RIALTO PIPELINE IMPROVEMENTS - FINAL DESIGN
 RIALTO PIPELINE IMPROVEMENTS - VALVE PROCUREMENT
 RIALTO PIPELINE IMPROVEMENTS PHASE 1 FINAL DESIGN
 RIALTO PIPELINE PCCP REHABILITATION
 RIALTO PIPELINE REPAIR @ STA 3196+44
 RIALTO PIPELINE REPAIR AT THOMPSON CREEK
 RIALTO PIPELINE REPAIRS AT STATION 3198+44
 RIALTO PIPELINE VALVE PROCUREMENT
 RIGHT OF WAY INFRASTRUCTURE PROTECTION PROGRAM - LOS ANGELES COUNTY REGION
 RIGHT OF WAY INFRASTRUCTURE PROTECTION PROGRAM - O. C. REGION
 RIGHT OF WAY INFRASTRUCTURE PROTECTION PROGRAM - RIVERSIDE AND SAN DIEGO COUNTY REGION
 RIGHT OF WAY INFRASTRUCTURE PROTECTION PROGRAM - WESTERN SAN BERNARDINO COUNTY REGION
 RIGHT OF WAY SURVEY AND MAPPING
 RIO HONDO PRESSURE CONTROL STRUCTURE VALVE REPLACEMENTS
 ROBERT B. DIEMER FILTRATION PLANT - LAND ACQUISITION
 ROOF REPLACEMENT AT SOTO ST. FACILITY
 SAN DIEGO #3 BLOWOFF TO PUMPWELL CONVERSION
 SAN DIEGO CANAL - EAST & WEST BYPASS SCREENING STRUCTURES STUDY
 SAN DIEGO CANAL - ELECTRICAL VAULT & CONDUCTOR REPLACEMENT
 SAN DIEGO CANAL - FENCING
 SAN DIEGO CANAL - INSTALL ACOUSTIC FLOW METER
 SAN DIEGO CANAL - PIEZOMETER
 SAN DIEGO CANAL - REPLACE SODIUM BISULFATE TANK
 SAN DIEGO CANAL - SEEPAGE STUDY
 SAN DIEGO CANAL BISULFITE TANK REPLACEMENT
 SAN DIEGO CANAL LINER REPAIR
 SAN DIEGO CANAL RADIAL GATE (V0-6) REHABILITATION
 SAN DIEGO CANAL RADIAL GATE (V0-8) REHABILITATION
 SAN DIEGO CANAL RADIAL GATE REHAB
 SAN DIEGO CANAL SEEPAGE STUDY
 SAN DIEGO CANAL WEST BYPASS TRASH RACK
 SAN DIEGO PIPELINE #4 VALVE REPLACEMENT
 SAN DIEGO PIPELINE 1 BLOW-OFF VALVE REPLACEMENT
 SAN DIEGO PIPELINE 3 & 5 REMOTE CONTROL OF BYPASS
 SAN DIEGO PIPELINE 4 AND AULD VALLEY PIPELINE CARBON FIBER REPAIRS
 SAN DIEGO PIPELINE 5 & LAKE SKINNER OUTLET REPAIR
 SAN DIEGO PIPELINE 6 - PRESSURE CONTROL STRUCTURE/HYDROELECTRIC PLANT - FEASIBILITY STUDY
 SAN DIEGO PIPELINE 6 NORTH REACH, ENVIRONMENTAL MONITORING DURING CONSTRUCTION
 SAN DIEGO PIPELINE NO. 1 JOINT REPAIR
 SAN DIEGO PIPELINE NO. 3 BYPASS
 SAN DIEGO PIPELINE NO. 3 PIPING MODIFICATIONS
 SAN DIEGO PIPELINE NO. 5 - OCT. 2007 FIRE DAMAGE - REPLACE ABOVE GROUND CORROSION CONTROL SYSTEM EQUIPMENT, AND STRUCTURAL APPURTENANCES
 SAN DIEGO PIPELINE NO. 6 - RIVERSIDE BRANCH - ETIWANDA FACILITY/DROP INLET STRUCTURE
 SAN DIEGO PIPELINE NO. 6 - RIVERSIDE BRANCH - PLEASANT PEAK, COMMUNICATIONS
 SAN DIEGO PIPELINE NO. 6 - RIVERSIDE TUNNEL CONSTRUCTION - AS BUILT
 SAN DIEGO PIPELINE NO. 6 - RIVERSIDE TUNNEL COST OF RIGHT OF WAY (OPTIONAL PORTAL SITE)
 SAN DIEGO PIPELINE NO. 6 - RIVERSIDE TUNNEL ENVIRONMENTAL CONSTRUCTION
 SAN DIEGO PIPELINE NO. 6 - RIVERSIDE TUNNEL ENVIRONMENTAL PRELIMINARY DESIGN
 SAN DIEGO PIPELINE NO. 6 - RIVERSIDE TUNNEL PRELIMINARY DESIGN
 SAN DIEGO PIPELINE NO. 6 - RIVERSIDE TUNNEL PROGRAM MANAGEMENT
 SAN DIEGO PIPELINE NO. 6 - RIVERSIDE TUNNEL RIGHT OF WAY PRELIMINARY DESIGN
 SAN DIEGO PIPELINE NO. 6 - CONTRACT NO.1 SAN DIEGO CANAL TO MOUNT OLYMPUS
 SAN DIEGO PIPELINE NO. 6 - CONTRACT NO.2 MOUNT OLYMPUS TUNNEL & PORTALS
 SAN DIEGO PIPELINE NO. 6 - NORTH REACH CONSTRUCTION - AS BUILT
 SAN DIEGO PIPELINE NO. 6 - NORTH REACH ENVIRONMENTAL - CONSTRUCTION
 SAN DIEGO PIPELINE NO. 6 - NORTH REACH ENVIRONMENTAL PRELIMINARY DESIGN
 SAN DIEGO PIPELINE NO. 6 - NORTH REACH FINAL DESIGN & ADV/NTP
 SAN DIEGO PIPELINE NO. 6 - NORTH REACH POST DESIGN
 SAN DIEGO PIPELINE NO. 6 - NORTH REACH PRELIMINARY DESIGN
 SAN DIEGO PIPELINE NO. 6 - NORTH REACH PROGRAM MANAGEMENT - CONSTRUCTION
 SAN DIEGO PIPELINE NO. 6 - NORTH REACH PROGRAM MANAGEMENT - DESIGN
 SAN DIEGO PIPELINE NO. 6 - NORTH REACH RIGHT OF WAY FINAL DESIGN
 SAN DIEGO PIPELINE NO. 6 - NORTH REACH RIGHT OF WAY PRELIMINARY DESIGN
 SAN DIEGO PIPELINE NO. 6 - NORTHERN PIPELINE COST OF RIGHT OF WAY
 SAN DIEGO PIPELINE NO. 6 - NORTHERN REACH ENVIRONMENTAL FINAL DESIGN
 SAN DIEGO PIPELINE NO. 6 - OPERATIONS SCOPING STUDY
 SAN DIEGO PIPELINE NO. 6 - PIPELINE/TUNNEL STUDY - DESIGN
 SAN DIEGO PIPELINE NO. 6 - PIPELINE/TUNNEL STUDY - ENVIRONMENTAL
 SAN DIEGO PIPELINE NO. 6 - PIPELINE/TUNNEL STUDY - PROJECT MANAGEMENT
 SAN DIEGO PIPELINE NO. 6 - PIPELINE/TUNNEL STUDY - RIGHT OF WAY
 SAN DIEGO PIPELINE NO. 6 - PROJECT MANAGEMENT
 SAN DIEGO PIPELINE NO. 6 - RIGHT OF WAY
 SAN DIEGO PIPELINE NO. 6 - SOUTH REACH - PROGRAM MANAGEMENT
 SAN DIEGO PIPELINE NO. 6 - SOUTH REACH / TUNNEL STUDY
 SAN DIEGO PIPELINE NO. 6 - SOUTH REACH CONSTRUCTION / AS BUILT
 SAN DIEGO PIPELINE NO. 6 - SOUTH REACH COST OF RIGHT OF WAY
 SAN DIEGO PIPELINE NO. 6 - SOUTH REACH ENVIRONMENTAL - CONSTRUCTION
 SAN DIEGO PIPELINE NO. 6 - SOUTH REACH ENVIRONMENTAL FINAL DESIGN
 SAN DIEGO PIPELINE NO. 6 - SOUTH REACH ENVIRONMENTAL PRELIMINARY DESIGN
 SAN DIEGO PIPELINE NO. 6 - SOUTH REACH FINAL DESIGN/ADV
 SAN DIEGO PIPELINE NO. 6 - SOUTH REACH PRELIMINARY DESIGN
 SAN DIEGO PIPELINE NO. 6 - SOUTH REACH RIGHT OF WAY FINAL DESIGN
 SAN DIEGO PIPELINE NO. 6 - SOUTH REACH RIGHT OF WAY PRELIMINARY DESIGN
 SAN DIEGO PIPELINE NO. 6 - SOUTH REACH TUNNEL ALIGNMENT ANALYSIS
 SAN DIEGO PIPELINE NO. 6 AREA STUDY
 SAN DIEGO PIPELINE NO. 6 ENVIRONMENTAL MITIGATION
 SAN DIEGO PIPELINE NO.4 & AULD VALLEY PIPELINE CARBON FIBER REPAIR STUDY
 SAN DIEGO PIPELINE NOS. 1AND 3 - VALVE REPLACEMENT
 SAN DIMAS AND RED MOUNTAIN POWER PLANTS STANDBY DIESEL ENGINE GENERATOR REPLACEMENTS
 SAN DIMAS CONTROL STRUCTURE 500 GALLONS DIESEL TANK REPLACEMENT
 SAN DIMAS HEP BATTERY BANK AND GENERATOR BREAKER
 SAN DIMAS PCS - UNINTERRUPTIBLE POWER SOURCE SYSTEMS INSTALLATION
 SAN FRANCISQUITO PIPELINE BLOW OFF STRUCTURE, STA 287+70, ACCESS ROAD CONSTRUCTION
 SAN GABRIEL TOWER AND SPILLWAY IMPROVEMENTS

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description**Distribution Facilities**

SAN GABRIEL TOWER SEISMIC UPGRADE
 SAN GABRIEL TOWER SLIDE GATE REHABILITATION
 SAN JACINTO #1 AND #2 CASA LOMA FAULT CROSSING STRUCTURE UPGRADE
 SAN JACINTO DIVERSION STRUCTURE SLIDE GATE V-03 REPLACEMENT
 SAN JOAQUIN RELIEF STRUCTURE FOR EASTERN ORANGE COUNTY FEEDER #2
 SAN JOAQUIN RELIEF STRUCTURE FOR EASTR OC FDR #2
 SAN JOAQUIN RESERVOIR, INSTALL BULKHEAD
 SANTA ANA RIVER BRIDGE EXPANSION JOINT REPLACEMENT
 SANTA ANA RIVER BRIDGE SEISMIC RETROFIT
 SANTA ANA RIVER BRIDGE SEISMIC UPGRADE
 SANTA MONICA FEEDER RELOCATION
 SANTA MONICA FEEDER STATION 495+10 REHABILITATION
 SANTIAGO CONTROL TOWER CATHODIC PROTECTION
 SANTIAGO LATERAL REPLACE MOTOR - OPERATED VALVE
 SANTIAGO LATERAL SECTIONALIZATION VALVE REPLACEMENT
 SANTIAGO LATERAL STA 216+40 BUTTERFLY VALVE REPLACEMENT
 SANTIAGO PRESSURE CONTROL STRUCTURE
 SANTIAGO TOWER ACCESS ROAD IMPROVEMENT
 SCADA COMMUNICATIONS MPLS UPGRADE - AT&T REGION (MINOR CAP)
 SCADA COMMUNICATIONS MPLS UPGRADE - VERIZON REGION (MINOR CAP)
 SCADA SYSTEM HARDWARE UPGRADE
 SCADA SYSTEM NT SOFTWARE UPGRADE
 SCADA SYSTEM SUPPORT PROGRAMS
 SD AND CASA LOMA CANALS LINING
 SD CANAL EAST & WEST BYPASS SCREENING STRUCTURES STUDY
 SD CANAL REPLACE SODIUM BISULFITE TANK
 SD PIPELINE 3 CULVERT ROAD REHAB
 SD PIPELINE 3.4, AND 5 PROTECTIVE COVER
 SD PIPELINE 4 EXPLORATORY EXCAVATION
 SD PIPELINE 5 EXPLORATORY EXCAVATION
 SD PIPELINES 3 AND 5 REMOTE CONTROL BYPASS STRUCTURE GATES AND ISOLATION VALVES
 SECOND LOWER & SEPULVEDA FEEDERS SCI DRAIN STATIONS
 SECOND LOWER CROSS FEEDER - VALVE PROCUREMENT
 SECOND LOWER CROSS FEEDER CONSTRUCTION
 SECOND LOWER CROSS FEEDER FINAL DESIGN
 SECOND LOWER FEEDER - INSTALL LINER
 SECOND LOWER FEEDER CATHODIC PROTECTION SYSTEM
 SECOND LOWER FEEDER CURRENT MITIGATION REFURBISHMENT
 SECOND LOWER FEEDER PCCP REHABILITATION
 SECOND LOWER FEEDER PCCP REPAIRS
 SECOND LOWER FEEDER RELIABILITY AT 3 LOCATIONS - SEISMIC STUDY
 SEISMIC UPGRADE OF 11 FACILITIES ON THE ALLEN MCCOLLOCH PIPELINE
 SEISMIC UPGRADES AT 10 SERVICE CONNECTION STRUCTURES ALONG AMP
 SELECTED PRESSURE REPLACE VALVE POSITION INDICATORS
 SEPULVEDA CANYON CONTROL FACILITY BYPASS PROJECT
 SEPULVEDA CANYON CONTROL FACILITY WATER STORAGE TANKS SEISMIC UPGRADE
 SEPULVEDA CANYON POWER PLANT TAIL RACE COATINGS
 SEPULVEDA CANYON TANKS EXTERIOR AND INTERIOR RECOATING
 SEPULVEDA FEEDER - CARBON FIBER LINER REPAIRS
 SEPULVEDA FEEDER CATHODIC PROTECTION SYSTEM
 SEPULVEDA FEEDER CORROSION/INTERFERENCE MITIGATION, STATION 950+00 TO 1170+00
 SEPULVEDA FEEDER HEP AUTO PILOT
 SEPULVEDA FEEDER PCCP DEL AMO BLVD URGENT RELINING
 SEPULVEDA FEEDER REPAIRS AT 3 SITES
 SEPULVEDA FEEDER SOUTH CATHODIC PROTECTION SYSTEM
 SEPULVEDA FEEDER STATION 2002+02 TO 2273+28 STRAY CURRENT INTERFERENCE MITIGATION
 SEPULVEDA FEEDER STRAY CURRENT MITIGATION REFURBISHMENT
 SEPULVEDA FEEDER/EAST VALLEY FEEDER INTERCONNECTION ELECTRICAL UPGRADES
 SEPULVEDA PCS - PERIMETER ASPHALT REPAIRS
 SEPULVEDA PIPELINE PCCP REHABILITATION
 SEPULVEDA-WEST BASIN INTERCONNECTION VALVE REPLACEMENTS
 SERVICE CONNECTION LV-01 UPGRADES
 SERVICE CONNECTION OC-26 - RELOCATION OF METER CABINET, INSTRUMENT HOUSING & AIR VENT STACK
 SERVICE CONNECTION WB13 - WEST BASIN FEEDER
 SERVICE CONNECTIONS CB-12 & CB-16 TURNOUT VALVE REPLACEMENT & ELECTRICAL UPGRADE
 SERVICE CONNECTIONS WB-2A AND WB-2B EQUIPMENT RELOCATION
 SIMULATION AND MODELING APPLICATION FOR REAL TIME OPERATIONS SMART OPS
 SITE 3 SECOND LOWER FEEDER URGENT REPAIRS - FINAL DESIGN
 SITES 1 & 2 SECOND LOWER FEEDER URGENT REPAIRS - FINAL DESIGN & PIPE FABRICATION
 SKINNER ACCUSONIC FLOWMETER REPLACEMENT
 SKINNER BRANCH - AIR INJECTION MODIFICATIONS TO RED MOUNTAIN POWER PLANT
 SKINNER BRANCH - CASA LOMA CANAL
 SKINNER BRANCH - CASA LOMA SIPHON BARREL ONE

TABLE 3 CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS	
Description	
<u>Distribution Facilities</u>	
SKINNER BRANCH - CATWALK FOR TRAVELING MAINTENANCE BRIDGE FOR	
SKINNER BRANCH - FABRICATE & REPLACE THE STEMS, NUTS & KEYS	
SKINNER BRANCH - REPAIR MODULE 1 AND 2 FLOCCULATORS BRIDGES	
SKINNER DAM REMEDIATION	
SKINNER DISTRIBUTION SYSTEM - CONTRACT # 1396	
SKINNER ELECTRICAL BUILDING HVAC UPGRADE	
SKINNER FACILITY AREA PAVING	
SKINNER FILTRATION PLANT - ELEVATED SLAB IN SERVICE BLDG 1	
SKINNER HELIPAD REHAB	
SKINNER REPLACEMENT FOR WETCELL BATTERY AND INVERTER	
SKINNER SCADA SERVERS RELOCATION	
SMART-OPS (FORMERLY RTOS)	
SOTO STREET FACILITY - BUILDING SEISMIC UPGRADE	
SOTO STREET FACILITY - REPLACE HEATING	
SOTO STREET FACILITY - ROOF REPLACEMENT	
SOUTH COUNTY PIPELINE PROTECTION AT SAN JUAN CREEK CROSSING	
SOUTH REACH / TUNNEL STUDY	
SOUTH REACH CONSTRUCTION/ASBUILT - FUTURE UNAPPROPRIATED	
SOUTH REACH DESIGN - FUTURE/UNAPPROPRIATED	
SOUTH REACH ENVIRONMENTAL - FUTURE/UNAPPROPRIATED	
SOUTH REACH FEASIBILITY STUDY	
SOUTH REACH PROJECT MANAGEMENT - FUTURE/UNAPPROPRIATED	
SOUTH REACH RIGHT OF WAY - FUTURE/UNAPPROPRIATED	
SPECIAL SERVICE BRANCH - REPLACE PLATE BENDING	
ST. JOHN'S CANYON CHANNEL EROSION MITIGATION	
SYSTEM RELIABILITY PROGRAM	
SYSTEM-WIDE ASPHALT REPLACEMENT	
TEMESCAL POWER PLANT REPLACE EMERGENCY GENERATOR	
TREATED WATER CROSS CONNECTION PREVENTION - FINAL DESIGN & CONSTRUCTION	
TREATED WATER CROSS CONNECTION PREVENTION - UNFUNDED WORK	
TWO-WAY RADIO ENHANCEMENT - EMERGENCY SERVICES, FIRE CONTROL, EVACUATION & BLDG. MAINT.	
TWO-WAY RADIO ENHANCEMENT FOR EMERGENCY SERVICES, FIRE CONTROL, EVACUATION AND BLDG. MAINTENANCE	
UNDER GROUND STORAGE TANK DISPENSER SPILL CONTAINMENT & REMEDIATION	
UNION STATION TWO-WAY RADIO ENHANCEMENT FOR EMERGENCY SERVICES, FIRE CONTROL, EVACUATION AND BUILDING MAINTENANCE	
UPGRADE CATHODIC PROTECTION RECTIFIERS	
UPGRADE HOLLYWOOD TUNNEL PORTAL SLEEVE VALVE EQUIPMENT	
UPGRADE SUNSET GARAGE	
UPPER FEEDER - SANTA ANA RIVER BRIDGE REPAIRS	
UPPER FEEDER - STRUCTURAL PROTECTION	
UPPER FEEDER AIR ENTRAINMENT	
UPPER FEEDER CATHODIC PROTECTION SYSTEM	
UPPER FEEDER GATE REHABILITATION	
UPPER FEEDER JUNCTION STRUCTURE SEISMIC UPGRADE	
UPPER FEEDER SANTA ANA RIVER DISCHARGE PAD	
UPPER FEEDER SERVICE CONNECTIONS UPGRADES	
UPPER NEWPORT BAY BLOW-OFF STRUCTURE REHABILITATION	
UPS SYSTEMS INSTALLATION AT FOOTHILL PCS	
UPS SYSTEMS INSTALLATION AT PERRIS CONTROL STRUCTURE	
UTILITY BUSINESS ARCHITECTURE (OBJECT MAPPING/MODELING)	
VACUUM AIR RELEASE VALVE RELOCATION PILOT PROGRAM	
VALLEY & LOS ANGELES DISTRIBUTION VALVE POSITION DISPLAY UPGRADE	
VALVE PROCUREMENT	
VIDEO CONFERENCE SYSTEM UPGRADE	
VIDEOCONFERENCING UPGRADE	
WADSWORTH PUMPING PLANT - MODIFICATION/REPAIRS OF FIFTY-NINE 6.9KV BREAKERS/CABINETS	
WADSWORTH PUMPING PLANT CONDUIT REPAIR AND PROTECTION	
WADSWORTH PUMPING PLANT CONTROL & PROTECTION UPGRADES	
WADSWORTH PUMPING PLANT FOREBAY GANTRY CRANE UPGRADE	
WADSWORTH PUMPING PLANT RECOATING 144" YARD PIPING	
WADSWORTH PUMPING PLANT SLEEVE VALVE REFURBISHMENT	
WADSWORTH PUMPING PLANT STOP LOGS ADDITION - STUDY	
WADSWORTH PUMPING PLANT YARD PIPING LINING REPLACEMENT	
WADSWORTH/DVL CONTROL & PROTECTION SYSTEM UPGRADE - UPS REPLACEMENT	
WATER DELIVERY SYSTEM AUTOMATION	
WATER PLANNING APPLICATION	
WATER QUALITY - REMOTE MONITORING	
WATER QUALITY LABORATORY BUILDING EXPANSION	
WATER QUALITY MONITORING AND EVENT DETECTION SYSTEM	
WEST COAST FEEDER - CATHODIC PROTECTION SYSTEMS	
WEST OC FEEDER VALVE REPLACEMENT	
WEST ORANGE COUNTY FEEDER OC-09 REHABILITATION	
WEST ORANGE COUNTY FEEDER VALVE REPLACEMENT	
WEST VALLEY AREA STUDY	
WEST VALLEY FEEDER # 1 STAGE 2 VALVE STRUCTURE MODIFICATIONS - CONSTRUCTION	
WEST VALLEY FEEDER NO. 1 - DE SOTO VALVE STRUCTURE IMPROVEMENTS	
WEST VALLEY FEEDER NO. 1 ACCESS ROADS AND STRUCTURE IMPROVEMENTS (STAGE 2)	
WEST VALLEY FEEDER NO. 1 ACCESS ROADS AND STRUCTURE IMPROVEMENTS (STAGE 3)	
WEST VALLEY FEEDER NO. 1 ACCESS ROADS AND STRUCTURES IMPROVEMENTS	
WEST VALLEY FEEDER NO. 1 VALVE STRUCTURE MODIFICATIONS	
WESTERN REGION PLUMBING RETROFIT	
WESTERN SAN BERNARDINO COUNTY REGION ENVIRONMENTAL MITIGATION MONITORING	
WEYM. PLT/LA VERNE FAC-BACKFLO PREV ASSY	
WEYMOUTH - BUILDING NO. 4 - HAND RAIL AND STAIRS ADDITION	
WEYMOUTH - FLAG POLE AREA LANDSCAPE UPGRADE	
WEYMOUTH ASPHALT REHABILITATION	
WEYMOUTH COMPRESSED AIR SYSTEM	
WEYMOUTH DISTRIBUTION SYSTEM - REPLACEMENT OF AREA CONTROL SYSTEMS - CONTRACT #1396	
WEYMOUTH FLOCCULATOR REHABILITATION	
WEYMOUTH WATER TREATMENT PLANT DOMESTIC AND FIRE WATER SYSTEM IMPROVEMENT	
WFP - ASPHALT REHABILITATION	
WFP - COMPRESSED AIR SYSTEM IMPROVEMENT	
WFP - PURCHASE OF REAL PROPERTY	
WFP - REPAIR TO BLDG # 1	
YORBA LINDA FEEDER - STA 924+11 PORTAL ACCESS	
YORBA LINDA FEEDER BYPASS	
YORBA LINDA PORTAL STRUCTURE ACCESS/TELEGRAPH CREEK BRIDGE	
Sub-total Distribution facilities costs	\$ 80,127,382

TABLE 4

FISCAL YEAR 2023/24

ESTIMATED READINESS-TO-SERVE CHARGE REVENUE

Member Agency	Rolling Ten-Year Average Firm Deliveries (Acre-Feet) FY2011/12 - FY2020/21	RTS Share	6 months @ \$154 million per year (7/23-12/23)	Rolling Ten-Year Average Firm Deliveries (Acre-Feet) FY2012/13 - FY2021/22	RTS Share	6 months @ \$167 million per year (1/24-6/24)	Total RTS Charge FY 2023/24
Anaheim	19,376.9	1.37%	1,051,617	21,455.1	1.51%	1,262,624	2,314,242
Beverly Hills	10,308.7	0.73%	559,471	10,205.1	0.72%	600,566	1,160,037
Burbank	13,354.6	0.94%	724,777	12,718.9	0.90%	748,502	1,473,279
Calleguas MWD	96,573.4	6.81%	5,241,203	95,178.2	6.71%	5,601,201	10,842,404
Central Basin MWD	34,311.0	2.42%	1,862,116	33,127.5	2.33%	1,949,541	3,811,657
Compton	340.2	0.02%	18,463	179.0	0.01%	10,534	28,997
Eastern MWD	97,570.2	6.88%	5,295,301	98,347.5	6.93%	5,787,713	11,083,014
Foothill MWD	8,306.1	0.59%	450,786	8,584.8	0.61%	505,212	955,998
Fullerton	7,280.1	0.51%	395,103	6,943.1	0.49%	408,599	803,702
Glendale	16,256.7	1.15%	882,279	16,034.1	1.13%	943,601	1,825,880
Inland Empire Utilities Agency	55,761.7	3.93%	3,026,283	54,931.6	3.87%	3,232,704	6,258,986
Las Virgenes MWD	20,715.7	1.46%	1,124,276	20,371.3	1.44%	1,198,843	2,323,120
Long Beach	29,251.8	2.06%	1,587,545	29,143.9	2.05%	1,715,107	3,302,652
Los Angeles	273,537.0	19.28%	14,845,319	289,217.7	20.38%	17,020,351	31,865,671
Municipal Water District of Orange County	195,128.0	13.75%	10,589,929	194,843.4	13.73%	11,466,460	22,056,389
Pasadena	18,954.2	1.34%	1,028,677	19,240.7	1.36%	1,132,308	2,160,985
San Diego County Water Authority	214,362.4	15.11%	11,633,813	195,939.0	13.81%	11,530,935	23,164,748
San Fernando	29.7	0.00%	1,612	85.4	0.01%	5,026	6,638
San Marino	0.0	0.07%	52,861	1,020.4	0.07%	60,050	112,911
Santa Ana	9,606.6	0.68%	521,367	9,104.1	0.64%	535,773	1,057,139
Santa Monica	4,607.4	0.32%	250,051	4,511.6	0.32%	265,506	515,557
Three Valleys MWD	63,736.2	4.49%	3,459,072	64,396.5	4.54%	3,789,709	7,248,782
Torrance	15,549.0	1.10%	843,871	15,339.7	1.08%	902,735	1,746,606
Upper San Gabriel Valley MWD	30,096.0	2.12%	1,633,361	34,238.2	2.41%	2,014,905	3,648,266
West Basin MWD	113,660.3	8.01%	6,168,538	114,036.4	8.04%	6,710,999	12,879,537
Western MWD	69,139.3	4.87%	3,752,308	69,677.5	4.91%	4,100,494	7,852,802
MWD Total	1,418,787.2	100.00%	\$ 77,000,000	1,418,870.7	100.00%	\$ 83,500,000	\$ 160,500,000

Totals may not foot due to rounding

TABLE 5
FISCAL YEAR 2023/24
ESTIMATED STANDBY CHARGE REVENUE

Member Agencies	Total Parcel Charge	Number of Parcels Or Acres	Gross Revenues (Dollars) ¹
Anaheim	\$ 8.55	69,455	593,838
Beverly Hills	-	-	-
Burbank	14.20	29,093	413,127
Calleguas MWD	9.58	260,082	2,491,586
Central Basin MWD	10.44	340,790	3,557,852
Compton	1.65	18,066	29,810
Eastern MWD	6.94	405,681	2,815,429
Foothill MWD	10.28	30,303	311,520
Fullerton	10.71	35,308	378,148
Glendale	12.23	45,076	551,279
Inland Empire Utilities Agency	7.59	264,760	2,009,525
Las Virgenes MWD	8.03	53,346	428,368
Long Beach	12.16	92,461	1,124,328
Los Angeles	-	-	-
Municipal Water District of Orange County ²	10.09	662,325	7,530,243
Pasadena	11.73	39,578	464,255
San Diego County Water Authority	11.51	1,113,969	12,821,778
San Fernando	-	5,102	-
San Marino	8.24	4,971	40,963
Santa Ana	7.88	65,116	513,115
Santa Monica	-	-	-
Three Valleys MWD	12.21	151,421	1,848,850
Torrance	12.23	40,617	496,741
Upper San Gabriel Valley MWD	9.27	214,808	1,991,268
West Basin MWD	-	-	-
Western MWD	9.23	387,025	3,572,237
MWD Total		4,329,354	\$ 43,984,259

(1) Estimates per FY 2022/23 applied amounts

(2) Adjusted for inclusion of Coastal MWD

Note: Totals may not foot due to rounding.

TABLE 6 PARCELS SUBJECT TO ANNEXATION STANDBY CHARGES AS OF JULY 1, 2022				
Annexation	Parcel Number	Acres		Proposed Standby Charge (FY 2023/24)
San Diego County Water Authority				
SVBF Temple Reorganization	241-080-47	22.13		\$ 254.72
Rancho Corrido Annexation	130-040-16	32.03		\$ 368.62
REORGANIZATIONS BETWEEN MEMBER AGENCIES				
Annexation	Parcel Number	Acres	Original Standby Charge	Proposed Standby Charge (FY 2023/24)
Reorg No. 21-04 From City of Orange & MWDOC To City of Anaheim	232-011-37	0.35	MWDOC & City of Orange \$ -	City of Anaheim \$ 8.55

NOTICE TO MEMBER AGENCIES OF PROPOSED ADOPTION OF READINESS-TO-SERVE CHARGE AND CAPACITY CHARGE FOR CALENDAR YEAR 2024 AND CONTINUATION OF STANDBY CHARGE FOR FISCAL YEAR 2023/24

The Board of the Metropolitan Water District of Southern California (Metropolitan) adopted a biennial budget for fiscal years 2022/23 and 2023/24 on April 12, 2022. On the same date, the Board also adopted rates for calendar years 2023 and 2024 and charges for calendar year 2023 to meet revenue requirements for fiscal years 2022/23 and 2023/24. The Board's determinations were based on the assumption of Readiness-To-Serve charge collections for calendar year 2024 of \$167 million and a Capacity Charge set at \$11,200 per cubic-foot-second. Accordingly, notice is hereby given to each member public agency of Metropolitan that at its regular meeting to be held April 11, 2023 (or such other date as the Board shall hold its regular meeting in such month), Metropolitan's Board of Directors will consider the adoption of the Readiness-To-Serve Charge and Capacity Charge for calendar year 2024.

The Board's determinations on April 12, 2022 were also based on the continuation of Metropolitan's water standby charge for fiscal year 2023/24. Accordingly, at its regular meeting to be held May 9, 2023, (or such other date as the Board shall hold its regular meeting in such month), the Board will consider the General Manager's recommendation to continue Metropolitan's water standby charge for fiscal year 2023/24 under authority of Section 134.5 of the Act on land within Metropolitan at rates not to exceed, per acre of land, or per parcel of land less than an acre, as presently in effect. Any such water standby charge will be continued for the purpose of applying the collected revenues to the corresponding agencies' Readiness-To-Serve charge obligation.

Board letters with information about the proposed charges will be provided to the Board prior to the board meetings.

Dated: February 3, 2023



Katano Kasaine
Assistant General Manager/
Chief Financial Officer

