

THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

RESOLUTION 9354

**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, 2025**

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

1. Pursuant to Resolution 8774, the Board of The Metropolitan Water District of Southern California (“Metropolitan”) approved a rate structure proposal at its meeting on October 16, 2001, described in Board Letter 9-6, including a Readiness-To-Serve (“RTS”) Charge; and
2. Providing firm revenue sources is a goal of such rate structure; and
3. The amount of revenue to be raised by the RTS Charge shall be as determined by the Board and allocation of the RTS Charge among member public agencies (“member agencies”) shall be in accordance with the method established by the Board; and
4. The RTS Charge is a charge fixed and adopted by Metropolitan and charged to its member agencies, and is not a fee or charge imposed upon real property or upon persons as an incident of property ownership; and
5. Metropolitan has legal authority to fix and adopt such RTS Charge as a water rate pursuant to Sections 133 and 134 of the Metropolitan Water District Act (the “Act”), and to fix it as an availability of service charge pursuant to Section 134.5 of the Act; and
6. Under authority of Sections 133 and 134 of the Act, the Board has the authority to fix the rate or rates for water as will result in revenue which, together with other revenues, will pay Metropolitan’s operating expenditures and provide for payment of other costs, including payment of the interest and principal of Metropolitan’s non-tax funded bonded debt; and
7. The RTS Charge recovers the capital expenditures for infrastructure projects needed to provide emergency storage capacity and available capacity needed to maintain reliable deliveries during outages and service interruptions and during periods of hydrologic variability; and
8. Pursuant to Resolution 8322, adopted by the Board on May 14, 1991, Resolution 8329, adopted by the Board on July 9, 1991, Resolution 9199, adopted by the Board on March 8, 2016, and Resolution 9201, adopted by the Board on March 8, 2016, and as each is thereafter amended and supplemented, proceeds of the

RTS Charge and other revenues from the sale or availability of water are pledged to the payment of Metropolitan's revenue bonds, subordinate revenue bonds, short-term certificates and commercial paper; and

9. Under authority of Section 134.5 of the Act, an RTS Charge levied as an availability of service charge may be collected from the member agencies within Metropolitan, or may continue to be collected as a standby charge against individual parcels within Metropolitan's service area; and

10. Certain member agencies of Metropolitan have opted in prior fiscal years to provide collection of all or a portion of their RTS Charge obligation through a Metropolitan water standby charge ("Standby Charge") levied on parcels within those member agencies; and

11. Under authority of Section 134.5 of the Act, the Standby Charge may continue to be levied on each acre of land or each parcel of land less than an acre within Metropolitan to which water is made available for any purpose by Metropolitan, whether the water is actually used or not; and

12. Metropolitan is willing to comply with the requests of member agencies opting to have Metropolitan continue to levy the Standby Charge within their respective territories, on the terms and subject to the conditions contained herein; and

13. On April 9, 2024, the Board considered the rates and charges presented by the General Manager, approved the biennial budget for fiscal years 2024/25 and 2025/26, adopted recommended water rates for calendar years 2025 and 2026 and charges for calendar year 2025, and received information and documents that have been made available at <https://www.mwdh2o.com/who-we-are/budget-finance/>; and

14. In approving the Proposed Biennial Budget and adopting the rates and charges on April 9, 2024, the Board determined the amount of revenue to be raised by the RTS Charge in calendar year 2025 to be \$181,000,000, based on information and documents available at <https://www.mwdh2o.com/who-we-are/budget-finance/>; and

15. Written notice of intention of Metropolitan's Board to consider and take action at its regular meeting of April 9, 2024, to adopt Metropolitan's RTS Charge for calendar year 2025 was given to each of Metropolitan's member agencies; and

16. The RTS Charge for calendar year 2025 applicable to each member agency is reflected in the Engineer's Report dated April 2024 and its method of its calculation and the specific data used in its determination are as specified in the cost of service report; and

17. Each of the meetings of the Board were conducted in accordance with the Brown Act (commencing at Section 54950 of the Government Code), for which due notice was provided and at which quorums were present and acting throughout;

NOW, THEREFORE, the Board does hereby resolve, determine and order as follows:

Section 1. That the Board hereby fixes and adopts an RTS Charge for the period from January 1, 2025 through December 31, 2025.

Section 2. That said RTS Charge shall be in an amount sufficient to provide for payment of debt service not paid from *ad valorem* property taxes, and other appropriately allocated costs, for capital expenditures for infrastructure projects needed to provide emergency storage capacity and available capacity needed to maintain reliable deliveries during outages and service interruptions and during periods of hydrologic variability.

Section 3. That such RTS Charge for January 1, 2025 through and including December 31, 2025 shall be in the amounts specified in Section 4, which shall be determined on a historic basis for each acre-foot of water, included in Metropolitan's average water deliveries to its member agencies for the applicable ten-year period identified in Section 4. The aggregate RTS Charge for the period from January 1, 2025 through and including December 31, 2025 shall also be as specified in Section 4.

Section 4. That the RTS Charge for January 1, 2025 through and including December 31, 2025 shall be allocated among the member agencies in proportion to the average of applicable deliveries (including exchanges and transfers) through Metropolitan's system (in acre-feet) to each member agency during the ten-year period ending June 30, 2023, unless otherwise agreed and approved by Metropolitan's Board. The allocation of the RTS Charge among member agencies is based on deliveries data recorded by Metropolitan and shall be conclusive in the absence of manifest error but may be corrected by Metropolitan to reflect any errors discovered by Metropolitan.

The amount of the RTS Charge to be charged to each member agency effective January 1, 2025, is as set forth in Schedule 1, which is based on deliveries data prepared by Metropolitan and may be corrected as agreed to by the impacted member agencies:

Schedule 1

Calendar Year 2025 RTS Charge

Member Agency	Rolling Ten-Year Average Firm Deliveries (Acre-Feet) FY2013/14 - FY2022/23	RTS Share	12 months @ \$181 million per year (1/25-12/25)
Anaheim	23,001.9	1.69%	\$ 3,053,652
Beverly Hills	9,858.1	0.72%	1,308,727
Burbank	11,540.0	0.85%	1,532,010
Calleguas MWD	90,313.9	6.62%	11,989,760
Central Basin MWD	31,768.2	2.33%	4,217,436
Compton	12.0	0.00%	1,593
Eastern MWD	96,726.8	7.09%	12,841,114
Foothill MWD	8,399.5	0.62%	1,115,088
Fullerton	6,528.4	0.48%	866,688
Glendale	15,436.0	1.13%	2,049,230
Inland Empire Utilities Agency	57,672.1	4.23%	7,656,348
Las Virgenes MWD	19,302.4	1.42%	2,562,520
Long Beach	27,777.5	2.04%	3,687,644
Los Angeles	272,316.9	19.97%	36,151,847
Municipal Water District of Orange County	187,038.3	13.72%	24,830,556
Pasadena	19,104.9	1.40%	2,536,300
San Diego County Water Authority	175,570.9	12.88%	23,308,183
San Fernando	312.4	0.02%	41,473
San Marino	1,035.1	0.08%	137,416
Santa Ana	8,648.2	0.63%	1,148,105
Santa Monica	4,783.2	0.35%	635,001
Three Valleys MWD	62,674.4	4.60%	8,320,436
Torrance	15,088.8	1.11%	2,003,137
Upper San Gabriel Valley MWD	38,526.1	2.83%	5,114,591
West Basin MWD	111,549.0	8.18%	14,808,858
Western MWD	68,413.1	5.02%	9,082,286
MWD Total	1,363,398.1	100.00%	\$ 181,000,000

Totals may not foot due to rounding

The General Manager shall establish and make available to member public agencies procedures for administration of the RTS Charge, including filing and consideration of applications for reconsideration of their respective RTS Charge. The General Manager shall review any applications for reconsideration submitted in a timely manner. The General Manager shall also establish reasonable procedures for the filing of appeals from his determination.

Section 5. That the RTS Charge specified in Schedule 1, together with other revenues from Metropolitan’s water rates, other charges, ad valorem property taxes, and other miscellaneous revenue, does not exceed the reasonable and necessary cost of providing Metropolitan’s water services for which the rates and

charges are made, or of conferring the benefit provided, and is fairly apportioned to each member agency as specified in Section 6 below.

Section 6. That water conveyed through Metropolitan's system for the purposes of water transfers, exchanges or other similar arrangements shall be included in the calculation of a member agency's rolling ten-year average firm demands used to allocate the RTS Charge.

Section 7. That the RTS Charge and the amount applicable to each member agency, the method of its calculation, and the specific data used in its determination are as specified in the adopted rates and charges to be effective January 1, 2025, which forms the basis of the RTS Charge, and the corresponding 2024 Cost of Service Report. The adopted rates and charges and cost of service reports are on file and available for review by interested parties at Metropolitan's headquarters.

Section 8. That except as provided in Section 10 below with respect to any RTS Charge collected by means of the Standby Charge, the RTS Charge shall be due monthly, quarterly or semiannually as agreed upon by Metropolitan and the member agency.

Section 9. That such RTS Charge may, at the request of any member agency which elected to utilize the Standby Charge as a mechanism for collecting the RTS Charge obligation in fiscal year 1993/94, be collected by continuing the Standby Charge at rates not to exceed rates levied in fiscal year 1996/97 upon land within Metropolitan's (and such member agency's) service area to which water is made available by Metropolitan for any purpose, whether such water is used or not.

Section 10. That the Standby Charge shall be collected on the tax rolls, together with the *ad valorem* property taxes which are levied by Metropolitan for the payment of pre-1978 voter-approved indebtedness. Any amounts so 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. Notwithstanding the provisions of Sections 8 and 9 above, any member agency requesting to have all or a portion of its RTS Charge obligation collected through Standby Charge levies within its territory as provided herein shall pay any portion not collected through net Standby Charge collections to Metropolitan, as provided in Administrative Code Section 4507.

Section 11. That notice is hereby given to the public and to each member agency of The Metropolitan Water District of Southern California of the intention of Metropolitan's Board to consider and take action at its regular meeting to be held May 14, 2024 (or such other date as the Board shall hold its regular meeting in such month), on the General Manager's recommendation to continue the Standby Charge for fiscal year 2024/25 under authority of Section 134.5 of the Act on land within Metropolitan at rates not to exceed rates, per acre of land, or per parcel of land less than an acre, levied in fiscal year 1996/97 upon land within Metropolitan's (and such member agency's) service area. Such Standby Charge will be continued as a means of collecting the RTS Charge.

Section 12. That no failure to collect, and no delay in collecting, any Standby Charge shall excuse or delay payment of any portion of the RTS Charge when due.

Section 13. That the RTS Charge is fixed and adopted by Metropolitan as a rate or charge on 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 payment of the RTS Charge. In the event that the Standby Charge, or any portion thereof, 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 continuation of the Standby Charge as a means of collecting its RTS Charge obligation shall pay such RTS Charge obligation in full, as if continuation of such Standby Charge had never been sought.

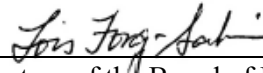
Section 14. That the General Manager and the General Counsel are hereby authorized to do all things necessary and desirable to accomplish the purposes of this Resolution, including, without limitation, the commencement or defense of litigation.

Section 15. 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.

Section 16. That the General Manager is hereby authorized and directed to take all necessary action to satisfy relevant statutes requiring notice by mailing or by publication.

Section 17. That the Board Executive Secretary is hereby directed to transmit a certified copy of this Resolution to the presiding officer of the governing body of each member agency.

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 April 9, 2024.



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, 2025,
INCLUDING LOCAL OPTION TO CONTINUE COLLECTING A STANDBY CHARGE,
DURING FISCAL YEAR 2024/25**

April 2024

BACKGROUND

The Metropolitan Water District of Southern California is a public agency with a primary purpose to provide 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, maintains, and operates 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 2024/25. **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 2024 was adopted by Metropolitan's Board on April 11, 2023 and the RTS Charge for 2025 will be considered by the Board on April 9, 2024. The Board will consider the continuation of the Standby Charge for fiscal year 2024/25 on May 14, 2024.

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 2024/25 is \$174.0 million, of which \$44.0 million is estimated to be collected via the Standby Charge based on fiscal year 2023/24 collections of the Charge as set forth in Table 5. 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 cost-effective 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 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. (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

In 2023, a series of winter storms brought much needed precipitation in both the northern Sierra and the Upper Colorado River Basins, improving available supplies for Metropolitan. Water supply conditions greatly improved, but also presented challenges to store and distribute all available supplies.

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 flexibility and reliability.

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

² 2023 Annual Operating Plan, pg. 5-15

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 2024/25 and 2025/26 includes Metropolitan's planned contribution of \$11.6 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 2024/25 is \$0 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 \$309.8 million system costs, representing 14% of the total system costs.

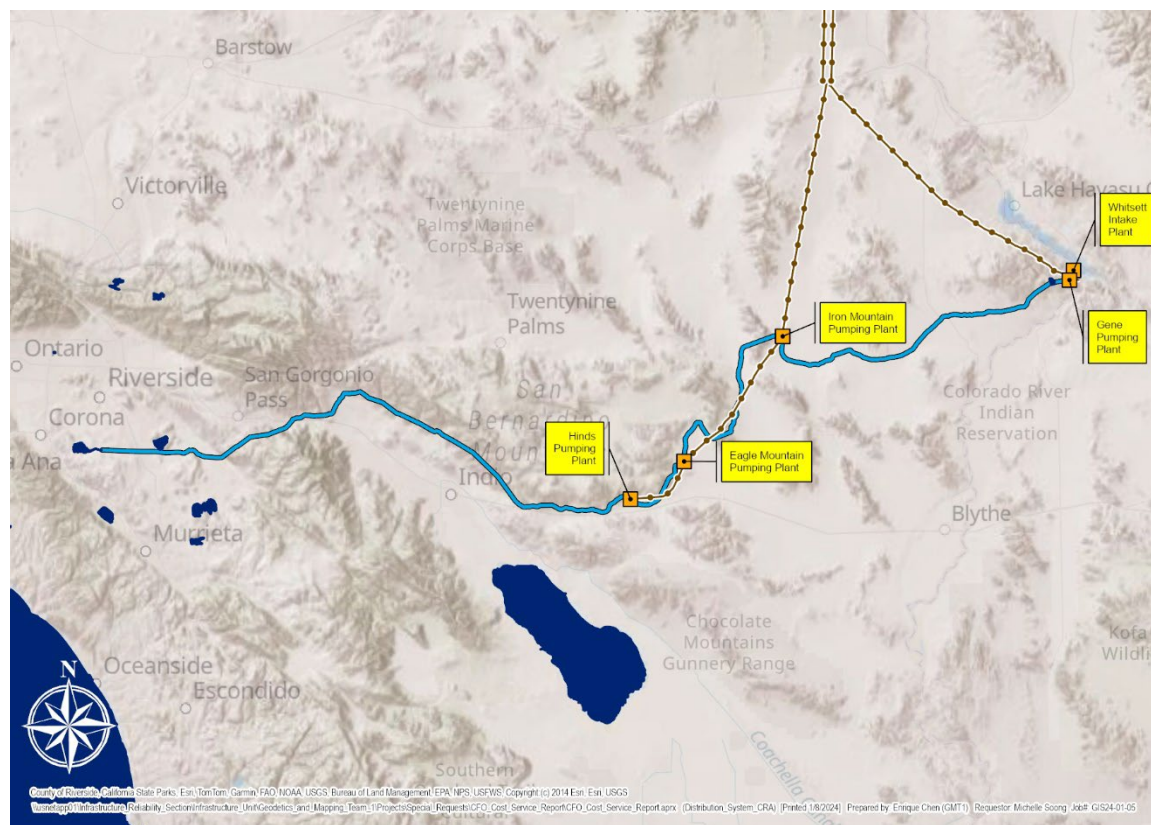
Colorado River Aqueduct Description and Benefits

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 2024/25 is \$90.5 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 \$309.8 million system costs, representing 14% of the total system costs.

Figure 2. Colorado River Aqueduct



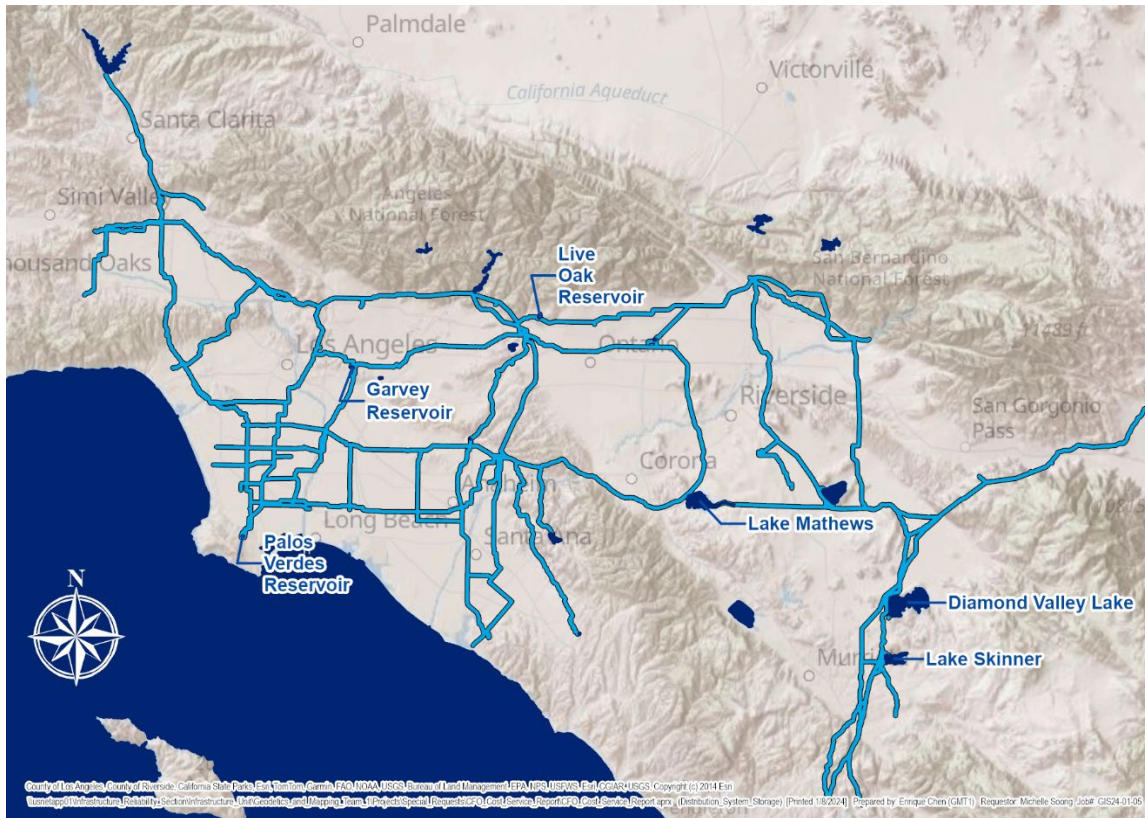
Metropolitan’s Conveyance and Distribution System Benefits

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 flexibility 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 2024/25 estimated conveyance and distribution system benefits. The capital cost of the Distribution System in fiscal year 2024/25 is \$97.2 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 \$309.8 million system costs, representing 14% 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 2024/25 is \$122.1 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 \$309.8 million system costs, representing 14% 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 2024/25 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 14% of those costs. For fiscal year 2024/25, the amount to be recovered by the RTS Charge is estimated to be \$174.0 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 2023/24, such parcels being subject to the Standby Charge upon annexation, which is used to estimate the Standby Charge collections for the following fiscal year. Fiscal Year 2024/25 Table 6 also shows parcels known by Metropolitan as annexed, or to be annexed, by the time collections are made for fiscal year 2024/25.

The estimated costs of Metropolitan's wholesale water system, which could be paid by a Standby Charge, are approximately \$309.8 million for fiscal year 2024/25, as shown in Table 1. An average total Standby Charge of about \$71.27 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 2024/25. 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 2025, 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 2024/25 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 \$266 million. A preliminary listing of all parcels subject to the proposed 2024/25 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.

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

	Estimated Program Costs for FY2024/25	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)	\$ -	\$0.00
Non Tax Supported Capital Costs for Non-SWP Conveyance System ¹	\$ 90,512,590	\$20.82
Non Tax Supported Capital Costs for Distribution System ²	\$ 97,186,802	\$22.36
Non Tax Supported Capital Costs for Water Storage ³	\$ 122,086,749	\$28.09
Total Capital Payments	\$ 309,786,140	\$71.27
Estimated Standby Charge Revenues	\$ 44,048,322	\$10.13
Percent Collected by Standby Charge	14%	
Total Remaining Costs Not Paid by Standby Charge	\$ 265,737,818	\$61.14

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 2024/25 Payment
Water Recycling Projects	\$14,381,254
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	
Escondido Membrane Filtration Reverse Osmosis Facility	
Escondido Regional Reclaimed Water Project	
French Valley Recycled Water Distribution 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	
Jurupa Community Services District Regional Recycled Water Project	
La Puente Recycled Water 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 Hollywood Area Water Recycling Project	
Oceanside Pure Water and Recycled Water Phase I Project	
Oxnard Advanced Water Purification Facility Project	
Rowland Water District Portion of the City of Industry Regional Recycled Water Project	
San Clemente Recycled Water System Expansion Project	
San Diego Pure Water North City Project Phase I	
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 2024/25 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	\$10,325,100
Beverly Hills Desalter Project	
Cal Poly Pomona Water Treatment Plant	
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	\$5,892,000
Conservation Projects	\$54,050,000
Regionwide Residential	
Regionwide Commercial	
Member Agency Administered/MWD Funded	
Water Savings Incentive Program	
Landscape Training Classes	
Landscape Irrigation Surveys	
Innovative Conservation Program/Pilot Programs/Studies	
Inspections	
Turf Replacement Program	
Disadvantaged Communities Program	
Conservation Advertising	

TABLE 2 (Continued)

**WATER RECYCLING, GROUNDWATER RECOVERY
AND CONSERVATION PROJECTS**

Project Name	FISCAL YEAR 2024/25 Payment
Conservation Projects (continued)	
Municipal Leak Detection and Repair	
Multifamily Toilet Replacement Program	
Total Demand Management Programs	\$87,648,354

**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 MONITORING SYSTEM UPGRADES LAKE MATHEWS
 DAM MONITORING SYSTEM UPGRADES LAKE SKINNER
 DAM SEISMIC ASSESSMENT - PHASE 3
 DAM SEISMIC UPGRADES - PHASE 3
 DIAMOND VALLEY LAKE CRANE REHABILITATION - NEW
 DIAMOND VALLEY LAKE DAM MONITORING SYSTEM UPGRADE
 DIAMOND VALLEY LAKE DAM MONITORING SYSTEM UPGRADE - STAGES 1 & 2
 DIAMOND VALLEY LAKE DAM MONITORING SYSTEM UPGRADES - STAGE 3
 DIAMOND VALLEY LAKE DAM MONITORING SYSTEM UPGRADES - STAGES 1 & 2
 DIAMOND VALLEY LAKE DOMESTIC WATER SYSTEM IMPROVEMENTS
 DIAMOND VALLEY LAKE FOREBAY CONCRETE JOINT SEAL REPLACEMENT
 DIAMOND VALLEY LAKE INLET/OUTLET TOWER FISH SCREEN REPLACEMENT - CONSTRUCTION
 DIAMOND VALLEY LAKE MONITORING SYSTEM UPGRADES
 DIAMOND VALLEY LAKE OXYGENATION SYSTEM
 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
 DIEMER FWR SLOPE PROTECTION IMPROVEMENTS
 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 AND SKINNER AREA FLOW METER REPLACEMENT
 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

**TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS**

Description

Storage Facilities

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
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)
ETIWANDA RESERVOIR REHABILITATION
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
GARVEY RESERVOIR COVER AND LINER REPLACEMENT PROJECT
GARVEY RESERVOIR DRAINAGE & EROSION CONTROL IMPROVEMENTS
GARVEY RESERVOIR DRAINAGE & EROSION IMPROVEMENTS - AREAS 6, 7, 8, 10 & 11 CONSTRUCTION
GARVEY RESERVOIR DRAINAGE & EROSION IMPROVEMENTS - AREAS 6-10 & 11 CONSTRUCTION
GARVEY RESERVOIR DRAINAGE AND EROSION 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
GENE WASH RESERVOIR DISCHARGE VALVE REHABILITATION
HAYFIELD GROUNDWATER STORAGE AND EXTRACTION
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

**TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS**

Description

Storage Facilities

IRVINE REGULATING STRUCTURE SUMP DRAIN LINE
 JENSEN FINISHED WATER RESERVOIR NO.1 COVER REHABILITATION
 JENSEN FINISHED WATER RESERVOIR NO. 1 COVER REHABILITATION
 JENSEN FINISHED WATER RESERVOIR NO. 2 FLOATING COVER IMPROVEMENT
 JENSEN FINISHED WATER RESERVOIRS REHABILITATION AND MIXING IMPROVEMENTS
 JENSEN FLUORIDE TANK REPLACEMENT
 JENSEN FWR # 2 FLOATING COVER REPLACEMENT
 JENSEN FWR NO. 2 FLOATING COVER REPLACEMENT
 JENSEN RESERVOIR 1 AND 2 MIXING IMPROVEMENTS
 JENSEN RESERVOIR BYPASS GATE REFURBISHMENT
 JENSEN, REPAIR COVER OVER RESERVOIR 1
 LAKE MATHEWS - REPLACE STANDBY GENERATOR
 LAKE MATHEWS - ELECTRICAL SYSTEM IMPROVEMENT
 LAKE MATHEWS ABOVEGROUND STORAGE TANK REPLACEMENT
 LAKE MATHEWS AREA PAVING
 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 DISASTER RECOVERY FACILITY UPGRADE
 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 ELECTRICAL UPGRADES
 LAKE MATHEWS- EMERGENCY GENERATOR
 LAKE MATHEWS ENLARGEMENT (SPEC NO. 505)
 LAKE MATHEWS FOREBAY - DISCHARGE FACILITY UPGRADES
 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 HYDRAULIC POWER UNIT REHABILITATION
 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 REHAB
 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 PERIMETER FENCING UPGRADE - NEW
 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 DREDGING AND EMERGENCY DEWATERING FACILITIES
 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

**TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS**

Description

Storage Facilities

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 OUTLET TOWER SEISMIC UPGRADE
 LAKE SKINNER- PROPANE STORAGE TANK
 LAKE SKINNER- PROPANE STORAGE TANK - INTEREST
 LIVE OAK RESERVOIR & RESERVOIR BYPASS SCHEDULE 264A
 LIVE OAK RESERVOIR ASPHALT PAVEMENT REHABILITATION
 LIVE OAK RESERVOIR EMERGENCY DEWATERING IMPROVEMENTS
 LIVE OAK RESERVOIR PAVEMENT REHABILITATION
 LIVE OAK RESERVOIR REHABILITATION
 LIVE OAK RESERVOIR SURFACE REPAIR
 MAINTENANCE FACILITIES, 75KVA TRANSFORMER SERVICE-LAKE MATHEWS (ORG CONST)
 MILLS FINISHED WATER RESERVOIR REHABILITATION
 MILLS FINISHED WATER RESERVOIRS REHABILITATION AND MIXING IMPROVEMENTS
 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 EMERGENGY 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
 P105080 IRVINE REGULATING STRUCTURE SUMP DRAIN LINE
 P105176 LIVE OAK RESERVOIR ASPHALT PAVEMENT REHABILITATION
 P105202 GARVEY RESERVOIR DRAINAGE & EROSION IMPROVEMENTS - AREAS 6-10, 11 CONSTR
 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 GROUNDWATER MANAGEMENT
 PALOS VERDES RESERVOIR- REPLACE DOMESTIC WATER SYSTEM PIPING
 PALOS VERDES RESERVOIR SODIUM HYPOCHLORITE AND SECURITY UPGRADES
 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,INL.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

**TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS**

Description

Storage Facilities

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 GATE REHABILITATION
 SKINNER FINISHED WATER RESERVOIR SLIDE GATES REHABILITATION
 SPILLWAY UPGRADES LAKE MATHEWS
 SPILLWAY UPGRADES LAKE SKINNER
 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 UPGRADE - NEW
 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
 WEYMOUTH FINISHED WATER RESERVOIR REHABILITATION

Sub-total Storage facilities costs

122,086,749

**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 FACILITIES IMPROVEMENT
 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 STRUCTURE REHABILITATION - STAGE 2
 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 SLUICWAYS 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 SLUICWAYS 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
 CRA - ELECTRICAL/ POWER SYST REL. PROG. - IRON MTN - 230KV BREAKER SWITC. INST.
 CRA - GENE PUMPING PLANT MAIN TRANSFORMER AREA

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Conveyance and Aqueduct Facilities

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 WHITEWATER TUNNEL NO 2 SEISMIC UPGRADE
 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 LINE - INFRASTRUCTURE RELIABILITY IMPROVEMENTS (REF: PENDING NEW PN104717)
 CRA 230 KV TRANSMISSION SYSTEM REGULATORY AND OPERATIONAL FLEXIBILITY UPGRADES
 CRA 230 KV TRANSMISSION SYSTEM REGULATORY COMPLIANCE AND OPERATIONAL FLEXIBILITY UPGRADES - STUDY
 CRA 230KV & 69KV PROTECTION PANEL UPGRADE
 CRA 230KV TRANSMISSION SYSTEM REGULATORY COMPLIANCE AND OPERATIONAL FLEXIBILITY UPGRADES
 CRA 2400 V VILLAGE ELECTRICAL POWER DISTRIBUTION UPGRADES
 CRA 6.9 KV LEAD JACKETED CABLES
 CRA 6.9 KV POWER CABLES REPLACEMENT
 CRA 6.9 KV POWER CABLES REPLACEMENT UNITS 6 TO 9
 CRA 69KV AND 240 KV TRANSFORMERS REPLACEMENT
 CRA 69KV PANEL UPGRADE
 CRA ACCESS STRUCTURE, TRANSITION STRUCTURE AND MANHOLE COVERS REPLACEMENT
 CRA ALL PUMPING PLANTS - FLOW METER UPGRADES
 CRA ALL PUMPING PLANTS, FLOW METER REPLACEMENT
 CRA ANCILLARY EROSION AND DRAINAGE CONTROL
 CRA AND IRON MOUNTAIN RESERVOIR PANEL REPAIRS
 CRA AND IRON MOUNTAIN RESERVOIR PANEL REPLACEMENT
 CRA AQUEDUCT BLOCKER GATE REPLACEMENT
 CRA AQUEDUCT ISOLATION GATES REPLACEMENT
 CRA ASPHALT REPLACEMENT
 CRA AUXILIARY POWER SYSTEM REHABILITATION/UPGRADES FOR FOUR PUMPING PLANTS
 CRA AUXILIARY POWER SYSTEMS
 CRA BLACK METAL COMMUNICATION SITE II UPGRADE
 CRA CANAL CRACK REHAB AND EVALUATION
 CRA CANAL CRACK REHABILITATION
 CRA CANAL IMPROVEMENTS
 CRA CHLORINE INJECTION IMPROVEMENTS
 CRA CHOLLA WASH CONDUIT RELINING
 CRA CIRCULATING WATER SYSTEM STRAINER REPLACEMENT
 CRA CONDUIT EROSION CONTROL IMPROVEMENTS
 CRA CONDUIT FORMAT WASH EROSION REPAIRS
 CRA CONDUIT STRUCTURAL PROTECTION
 CRA CONDUIT STRUCTURAL PROTECTION
 CRA CONVEYANCE RELIABILITY PROGRAM (CCRP) - BLOW-OFF REPAIR
 CRA CONVEYANCE RELIABILITY PROGRAM PART 1 & PART 2
 CRA CONVEYANCE SYSTEM HIGH FLOW RELIABILITY UPGRADES
 CRA COPPER BASIN AND GENE WASH DAM SLUICeways
 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 DOMESTIC WATER TREATMENT SYSTEM REPLACEMENT
 CRA ELECTRICAL / POWER SYSTEM RELIABILITY PROGRAM (CEPSRP)
 CRA ENERGY EFFICIENCY IMPROVEMENTS
 CRA FRED A SIPHON BARREL NUMBER 1
 CRA FRED A SIPHON BARREL NUMBER 1 INTERNAL SEAL INSTALLATION
 CRA GENE PUMPING PLANT HEAVY EQUIPMENT SERVICE PIT
 CRA GENE STORAGE WAREHOUSE REPLACEMENT
 CRA HINDS PUMPING PLANT - WASH AREA UPGRADE
 CRA INTAKE AND GENE OVER-CURRENT RELAY REPLACEMENT
 CRA INTAKE PPLANT - POWER & COMMUNICATION LINE REPLACEMENT
 CRA INTAKE PUMP PLANT SHORE PROTECTION
 CRA IRON GARAGE HEAVY EQUIPMENT SERVICE PIT REPLACEMENT
 CRA IRON HOUSING REPLACEMENT
 CRA IRON MOUNTAIN PUMP PLANT 2400 V SWITCH RACK REHABILITATION

**TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS**

Description

Conveyance and Aqueduct Facilities

CRA IRON MOUNTAIN PUMP PLANT AND EAGLE MOUNTAIN PUMP PLANT RESERVOIR BOTTOM RELINING
 CRA IRON MOUNTAIN SUCTION JOINT REFURBISHMENT PILOT
 CRA LAKEVIEW SIPHON
 CRA MAIN PUMP & MOTOR REFURISHMENT
 CRA MAIN PUMP AND MOTOR REFURISHMENT
 CRA MAIN PUMP CONTROLS & INSTRUMENTATION
 CRA MAIN PUMP CONTROLS AND INSTRUMENTATION
 CRA MAIN PUMP DISCHARGE VALVE REFURBISHMENT
 CRA MAIN PUMP MOTOR EXCITERS ASSESSMENT
 CRA MAIN PUMP MOTOR EXCITERS REHABILITATION
 CRA MAIN PUMP MOTOR REHABILITATION (INCLUDES UPCOMING CIP - CRA MAIN PUMP REHABILITATION)
 CRA MAIN PUMP REHABILITATION
 CRA MAIN PUMP REHABILITATION (STAGE 1) - DESIGN PHASE FOR DEMONSTRATION PROJECT
 CRA MAIN PUMP REHABILITATION (STAGE 1) - PRELIMINARY INVESTIGATIONS
 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 PLANT UNIT COOLERS AND HEAT EXCHANGERS
 CRA MAIN PUMPING PLANTS DISCHARGE LINE ISOLATION BULKHEAD COUPLINGS
 CRA MAIN PUMPING PLANTS DISCHARGE LINE ISOLATION BULKHEAD COUPLINGS
 CRA MAIN PUMPING PLANTS LUBRICATION SYSTEM
 CRA MAIN PUMPING PLANTS SAND REMOVAL 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 MM 33 CANAL SIDEWALL IMPROVEMENTS
 CRA OVER-CURRENT RELAY REPLACEMENT
 CRA PROTECTIVE SLABS
 CRA PUMP PLANT FLOW METER REPLACEMENT
 CRA PUMP PLANT FLOW METER UPGRADE
 CRA PUMP PLANT LOWER GUIDE ACCESS IMPROVEMENTS
 CRA PUMP PLANT ROLLUP DOOR AND WINDOW REPLACEMENTS
 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 & 480V SWITCHRACKS REHAB
 CRA PUMP PLANTS 2.3KV AND 480V SWITCH RACK REHABILITATION
 CRA PUMP PLANTS 2300KV & 480 V SWITCHRACK REHAB
 CRA PUMP PLANTS CIRCULATION WATER SYSTEMS
 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 STATION BATTERY REPLACEMENT
 CRA PUMPING PLANT STORAGE BUILDINGS
 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
 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 SUPPORT FACILITIES SEISMIC EVALUATIONS
 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 TUNNELS - SEISMIC RESILIENCE UPGRADES
 CRA UPS REPLACEMENT
 CRA VILLAGES DOMESTIC WATER MAIN DISTRIBUTION REPLACEMENT STUDY
 CRA WATER DISTRIBUTION SYSTEM & VILLAGE ASPHALT REPLACEMENT - GENE & IRON MOUNTAIN

**TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS**

Description

Conveyance and Aqueduct Facilities

CRA WATER DISTRIBUTION SYSTEM & WASTEWATER SYSTEM REPLACEMENT - GENE & IRON MTN CONSTRUCTION
 CRA WATER DISTRIBUTION SYSTEM REPLACEMENT AND CRA ROADWAY ASPHALT REPLACEMENT - ALL PP
 CRA WHIPPLE MOUNTAIN TUNNEL FLOW METERING EQUIPMENT UPGRADES
 CUF DECHLORINATION SYSTEM
 DAM SLUICeways 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 LIFT & EAGLE WEST SIPHONS SEISMIC IMPROVEMENTS
 EAGLE MOUNTAIN 230 KV LOCAL BREAKER FAILURE BACKUP
 EAGLE MOUNTAIN 230 KV PHYSICAL AND CYBER SECURITY UPGRADES
 EAGLE MOUNTAIN 230KV LOCAL BREAKER FAILURE BACKUP
 EAGLE MOUNTAIN 230KV PHYSICAL AND CYBER SECURITY UPGRADE
 EAGLE MOUNTAIN PUMPING PLANT SCADA SYSTEM
 EAGLE MOUNTAIN SAND TRAPS STUDY
 EAGLE MOUNTAIN SIPHONS SEISMIC VULNERABILITY STUDY
 EAGLE MTN SAND TRAPS STUDY
 EAGLE PP UTILITIES AND PAVING
 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 OUTLET STRUCTURE GATE RE-COATING (10003)
 GENE & INTAKE PUMPING PLANT SURGE CHAMBER OUTLET GATES RE-COATING
 GENE & INTAKE PUMPING PLANTS - REPLACE UNDER FREQUENCY PROTECTION RELAY
 GENE & IRON UTILITIES AND PAVING
 GENE AIR CONDITION
 GENE CAMP STATION SERVICE TRANSFORMER REPLACEMENT
 GENE COMMUNICATION SYSTEM UPGRADE
 GENE PUMPING PLANT - AIR STRIP EXTENSION PROJECT
 GENE PUMPING PLANT - HEAVY EQUIPMENT SERVICE PIT
 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 PP UTILITIES AND PAVING
 HINDS PUMPING PLANT DISCHARGE VALVE PIT PLATFORM REPLACEMENT
 HINDS PUMPING PLANT DISCHARGE VALVE PLATFORM REPLACEMENT
 HINDS PUMPING PLANT EQUIPMENT WASH AREA UPGRADES
 HINDS PUMPING PLANT SCADA SYSTEM
 HINDS PUMPING PLANT STANDBY GENERATOR REPLACEMENT
 HINDS TRANSFORMER POWER CABLE 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

**TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS**

Description

Conveyance and Aqueduct Facilities

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/SBMWD HIGHLAND INTERTIE BYPASS LINE REHAB
 INSULATION JOINT TEST STATIONS
 INTAKE AND GENE PUMPING PLANTS 480 V AND 2400 V STANDBY DIESEL ENGINE GENERATOR REPLACEMENT
 INTAKE POWER AND COMMUNICATION LINE RELOCATION
 INTAKE POWER AND COMMUNICATIONS LINE RELOCATION
 INTAKE PPLANT - POWER & COMMUNICATION LINE REPLACEMENT
 INTAKE PUMP PLANT ROAD IMPROVEMENTS
 INTAKE PUMPING PLANT - COOLING AND REJECT WATER DISCHARGE TO LAKE HAVASU
 INTAKE PUMPING PLANT 2.4KV PWER LINE RELOCATION
 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
 INTAKE UTILITIES AND PAVING
 IRON AND EAGLE PUMP PLANT RESERVOIR SPILLWAY AUTO REJECTION
 IRON MOUNTAIN & EAGLE MOUNTAIN 230KV TRANSMISSION LINE PILOT RELAY
 IRON MOUNTAIN 2400 V STANDBY DIESEL ENGINE GENERATOR REPLACEMENT
 IRON MOUNTAIN AUXILIARY POWER SYSTEM REHABILITATION
 IRON MOUNTAIN GENERATOR REPLACEMENT
 IRON MOUNTAIN HAZARDOUS WASTE CONTAINMENT
 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
 IRON MT. AUXILIARY POWER SYSTEM REHABILITATION AND UPGRADE
 IRON-EAGLE MTN. 230 KV 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 ACQUISTION
 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)
 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
 OVERALL ASSESSMENT OF DELIVERY LINES
 OWNER CONTROLLED INSURANCE PROGRAM
 P105082 IRON-EAGLE MTN. 230 KV TRANSMISSION LINE PILOT RELAY
 P105159 EAGLE MOUNTAIN 230KV LOCAL BREAKER FAILURE BACKUP
 P105209 CRA PUMPING PLANT STATION BATTERY REPLACEMENT
 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

**TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS**

Description

Conveyance and Aqueduct Facilities

RIALTO FEEDER REPAIR OF ANOMALOUS PIPE SECTION
 RIGHT OF WAY INFRASTRUCTURE PROTECTION PROGRAM - COLORADO RIVER AQUEDUCT
 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 BRIGDE 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
 SWITCHYARDS 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

Sub-total Conveyance and Aqueduct facilities costs

\$ 90,512,590

**TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS**

Description

Distribution Facilites

108TH STREET PRESSURE CONTROL STRUCTURE REHABILITATION
 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 PCCP REHABILITATION- 2021 URGENT RELINING
 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 REHAB. - PRELIMINARY DESIGN
 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 - PRELIMINARY DESIGN
 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 #1 & SAN JANCINTO PIPELINE PROTECTION
 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

**TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS**

Description

Distribution Facilities

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
 CHLORAMINE BOOSTER STATION AT THREE LOCATIONS WITHIN THE TREATED WATER DISTRIBUTION SYSTEMS
 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
 COLORADO RIVER AQUEDUCT CASA LOMA SIPHON BARREL NO. 1 REPLACEMENT
 COMMUNICATIONS STRUCTURE ALARM MONITORING
 COMPREHENSIVE INFORMATION SECURITY ASSESSMENT PHASE III
 CONE CAMP INTERTIE BYPASS PIPELINE REPAIR
 CONSTRUCTION PHASE 2
 CONTRACT & LITIGATION TASKS -CONTRACT # 1396
 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 HYDAULIC PILOT VALVE STANDARIZATION
 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 PCS UPGRADES
 COVINA PRESSURECONTROL FACILITY
 COYOTE CREEK HEP/PCS EMERGENCY STANDBY GENERATOR
 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
 CRW FOR REPLENISHMENT AT USG3
 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
 DETAILED RELIABILITY IMPROVEMENTS OF THE LOS ANGELES COUNTY OPERATING REGION
 DETAILED RELIABILITY IMPROVEMENTS OF THE ORANGE COUNTY OPERATING REGION - STAGE 1
 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

**TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS**

Description

Distribution Facilities

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 ONLINE ANALYZERS REPLACEMENT
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
DOMINGUEZ CHANNEL PRESSURE RELIEF STRUCTURE IMPROVEMENTS
DROUGHT RESPONSE WESTSIDE PUMP STATION
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 DISTRIBUTION SYSTEM UPGRADES
EAGLE ROCK TOWER SLIDEGATE REHABILITATION
EAST INFLUENT CHANNEL REPAIR PROJECT
EAST LAKE SKINNER BYPASS AND BYPASS NO.2 SCREENING STRUCTURE UPGRADE (SUSPENSE)
EAST ORANGE COUNTY FEEDER #2 REPAIR
EAST ORANGE COUNTY FEEDER #2 SEISMIC RETROFIT
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 IN THE ORANGE COUNTY REGION (STAGE 1)
ELECTRICAL UPGRADES AT 15 STRUCTURES, OC REGION
ELECTROMAGNETIC INSPECTION OF PCCP LINES
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
EOCF2 OC-44B VALVE REPLACEMENT STA. 1239+29
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 PIPELINE RELINING - PHASE 3
ETIWANDA PIPELINE SOUTH - STA. 332+00 TO 349+00 & UPPER FEEDER - STA. 1078+00 TO 1083+00 PROTECTION
ETIWANDA PUMP STATION
ETIWANDA RESERVOIR - EXTEND OUTLET STRUCTURE
ETIWANDA TEST FACILITY
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
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 ACOUSTIC FIBER OPTIC PCCP MONITORING SYSTEM
FOOTHILL FEEDER ADEN AVE. REHABILITATION
FOOTHILL FEEDER CARBON FIBER REPAIR

TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS

Description

Distribution Facilities

FOOTHILL FEEDER CATHODIC PROTECTION
 FOOTHILL FEEDER PCS VALVE REPLACEMENT
 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 CONNECION 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 FEEDER RIALTO FEEDER INTERTIE
 INLAND FEEDER TO CITRUS RESERVOIR AND PUMP STATION INTERCONNECTIONS
 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
 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
 LADWP CONNECTION IN MAGAZINE CANYON
 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 PERRIS PIPELINE RELINING
 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

**TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS**

Description

Distribution Facilities

LAKE SKINNER CATHODIC PROTECTION
 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 IMPROVEMENTS
 LAKEVIEW PIPELINE RELINING
 LAKEVIEW PIPELINE RELINING - STAGE 2
 LAKEVIEW PIPELINE RELINING - STAGE 3
 LAKEVIEW PIPELINE REPAIR
 LAKEVIEW PIPELINE UPGRADE
 LIVE OAK RESERVOIR BYPASS PIPELINE CATHODIC PROTECTION
 LIVE OAK RESERVOIR PIPELINES CATHODIC PROTECTION
 LOS ANGELES COUNTY NORTH C AND D REGION ELECTRICAL STRUCTURES REHAB
 LOS ANGELES COUNTY SOUTH C AND D REGION ELECTRICAL STRUCTURES REHAB
 LOWER FEEDER - CATHODIC PROTECTION
 LOWER FEEDER CATHODIC PROTECTION SYSTEM REHABILITATION
 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 NORTH DRAINAGE AND PROTECTION RESTORATION
 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 REHABILITATION
 OAK ST. PCS ROOF REPLACEMENT
 OAK STREET PRESSURE CONTROL STRUCTURE ROOF REPLACEMENT - CONSTRUCTION
 OC 44 SERVICE CONNECTIONS & EOC#2 METER ACCESS ROAD REHAB
 OC 88 FIRE SYSTEM PROTECTION UPGRADES
 OC 88 PUMPING PLANT REHABILITATION
 OC CATHODIC PROTECTION STA 1467+15 TO STA 2053+97
 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 CHILLERS REPLACEMENT
 OC-88 PUMP STATION FLOW METER UPGRADE
 OC-88 PUMP STATION PLC UPGRADE
 OC-88 PUMP STATION UPGRADES
 OC-88 PUMPING PLANT SURGE TANK UPGRADES
 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
 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 AND RIVERSIDE/SAN DIEGO COUNTY OPERATING REGIONS VALVE REPLACEMENT

**TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS**

Description

Distribution Facilities

ORANGE COUNTY AREA DISTRIBUTION SYSTEM VALVE REPLACEMENT
 ORANGE COUNTY C & D ELECTRICAL IMPROVEMENTS - STUDY
 ORANGE COUNTY C&D ELECT STRUCT REHAB - STAGE 2
 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 DEWATERING IMPROVEMENTS
 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 RELINING - REACH 3
 ORANGE COUNTY FEEDER RELINING - REACHES 1 & 2
 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 C AND D ELECTRICAL STRUCTURES REHABILITATION
 ORANGE COUNTY REGION ENVIRONMENTAL MITIGATION MONITORING
 ORANGE COUNTY RELIABILITY IMPROVEMENTS
 ORANGE COUNTY RESERVOIR - INSTALL HYPOCHLORINATION STATIONS
 ORANGE COUNTY RESERVOIR - PIEZOMETERS & SEEPAGE MONITORING AUTOMATION
 OXIDATION DEMONSTRATION PLANT CONTROL SYSTEM REPLACEMENT
 P104881 SECOND LOWER FEEDER PCCP REHABILITATION
 P105039 FOOTHILL FEEDER - CASTAIC VALLEY BLOW-OFF VALVES REPLACEMENT
 P105062 SAN DIEGO PIPELINE NO. 2 ACCESS ROAD RELOCATION
 P105064 OC 88 FIRE SYSTEM PROTECTION UPGRADES
 P105118 PERRIS BYPASS PIPELINE SUMP PUMP REPLACEMENT
 P105124 LAKE PERRIS PIPELINE RELINING
 P105127 OC-88 PUMP STATION PLC UPGRADE
 P105137 RIALTO FEEDER STA 3820+00 MANHOLE REPLACEMENT
 P105139 WCF/PVF INTERCONNECTION VALVE AUTOMATION
 P105167 SAN GABRIEL PCS ELECTRICAL REPLACEMENTS
 P105235 SEPULVEDA HEP TAILRACE COATINGS
 P105240 WEST VALLEY FEEDER NO. 1 STRUCTURES - PIPING IMPROVEMENTS
 PALOS ALTOS FEEDER - 108TH ST.
 PALOS VERDES FEEDER - LONG BEACH LATERAL TURNOUT STRUCTURES STA. 1442+15 VALVE REPLACEMENT (NEED UD)
 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
 PCCP RELIABILITY PROGRAM PIPELINE PROCUREMENT
 PERIMETER FENCING AT PLACERITA CREEK
 PERMANENT LEAK DETECTION/PIPELINE MONITORING SYSTEM
 PERRIS PCS - UNINTERRUPTIBLE POWER SOURCE SYSTEMS INSTALLATION
 PERRIS BYPASS PIPELINE SUMP PUMP REPLACEMENT
 PERRIS CONTROL FACILITY BYPASS & PCS UPGRADE
 PERRIS CONTROL FACILITY PUMPBACK UPGRADES
 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 (WMWD)
 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 (WMWD)
 PERRIS VALLEY PIPELINE VALVES
 PLACENTIA RAILROAD LOWERING PROJECT
 PLACERITA CREEK PERIMETER FENCING
 PLANT INFLUENT REDUNDANT FLOW METERING AND SPLITTING
 PLATFORM REPLACEMENT AT VARIOUS C&D WRU STRUCTURES
 PLC REPLACEMENT PHASE II
 PM-26A NEW SERVICE CONNECTION, BIG DALTON CANYON
 POWER PLANT DISCHARGE ELIMINATION
 PRESTRESSED CONCRETE CYLINDER PIPE - PHASE 2
 PRESTRESSED CONCRETE CYLINDER PIPE (PCCP) STRUCTURAL PERFORMANCE RISK ANALYSIS
 PRESTRESSED CONCRETE CYLINDER PIPE -PHASE 3
 PREVENTION OF CRA WATER MIGRATION TO SPW AT WEYMOUTH JUNCTION STRUCTURE
 PROGRAMATTIC ENVIRONMENTAL DOCUMENTATION OF ORANGE COUNTY
 PROGRAMATTIC ENVIRONMENTAL DOCUMENTATION OF SAN BERNARDINO COUNTY
 PROGRAMMABLE LOGIC CONTROLLER (PLC) STANDARDIZATION

**TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS**

Description

Distribution Facilities

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
REAL PROPERTY ACQUISITION FOR ALL 4 REGIONS
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 METALLIC AND CONCRETE PIPELINES PHASE 1 - SELECT HIGH PRIORITY FEEDERS
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 AND MILLS PLANT PUMP STATION
RIALTO FEEDER BROKEN BACK REPAIR
RIALTO FEEDER PCCP REHABILITATION - REACH 1
RIALTO FEEDER PCCP REHABILITATION - REACHES 2-3
RIALTO FEEDER REHABILITATION
RIALTO FEEDER STA 3820+00 MANHOLE REPLACEMENT
RIALTO FEEDER VALVE STRUCTURE
RIALTO FEEDER, REPAIRS AT SELECT LOCATIONS, STUDY
RIALTO PIPELINE - CONSTRUCTION PHASE 1
RIALTO PIPELINE - CONSTRUCTION PHASE 2
RIALTO PIPELINE CATHODIC PROTECTION SYSTEM REHABILITATION
RIALTO PIPELINE IMPROVEMENTS
RIALTO PIPELINE IMPROVEMENTS - CONSTRUCTION
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 INFRASTRUCTURE PROTECTION PROGRAM RIVERSIDE SAN DIEGO
RIGHT OF WAY INFRASTRUCTURE PROTECTION PROGRAM RIVERSIDE SAN DIEGO COUNTY REGION - STAGE 1
RIGHT OF WAY INFRASTRUCTURE PROTECTION PROGRAM WESTERN SAN BERNARDINO COUNTY REGION - STAGE 1
RIGHT OF WAY INFRASTRUCTURE PROTECTION PROGRAM WESTERN SAN BERNARDINO REGION - STAGE 2
RIGHT OF WAY INFRASTRUCTURE PROTECTION PROGRAM WESTERN SAN BERNARDINO REGION - STAGE 3
RIGHT OF WAY SURVEY AND MAPPING
RIGHT-OF-WAY INFRASTRUCTURE PROTECTION PROGRAM WESTERN SAN BERNARDINO STAGE 1
RIO HONDO PRESSURE CONTROL STRUCTURE VALVE REPLACEMENTS
RIVERSIDE SAN BERNARDINO AND SAN DIEGO REGIONS C AND D ELECTRICAL STRUCTURES REHAB
ROBERT B. DIEMER FILTRATION PLANT - LAND ACQUISITION
ROOF REPLACEMENT AT SOTO ST. FACILITY
ROWIPP PROGRAMMATIC ENVIRONMENTAL DOCUMENT
ROWIPP PROGRAMMATIC ENVIRONMENTAL DOCUMENTATION FOR LOS ANGELES CO.
ROWIPP PROGRAMMATIC ENVIRONMENTAL DOCUMENTATION FOR THE ORANGE CO. OPERATING REGION
ROWIPP PROGRAMMATIC ENVIRONMENTAL DOCUMENTATION FOR THE RIVERSIDE/SAN DIEGO CO. OPERATING REGION
SAN DIEGO #3 BLOWOFF TO PUMPWELL CONVERSION
SAN DIEGO AND AULD VALLEY CANALS CONCRETE LINER REPAIR
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 DEWATERING SUMP
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 (V0-8) REHABILITATION..
SAN DIEGO CANAL RADIAL GATE REHAB
SAN DIEGO CANAL SEEPAGE STUDY
SAN DIEGO CANAL WEST BYPASS TRASH RACK

**TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS**

Description

Distribution Facilities

SAN DIEGO PIPELINE #4 VALVE REPLACEMENT
SAN DIEGO PIPELINE 1 & 2 REHABILITATION
SAN DIEGO PIPELINE 1 AND 2 STATION 1214 EXPOSURE REPAIR
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. 2 ACCESS ROAD RELOCATION
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 DIEGO PIPELINES 3 & 5 VACUUM VALVE REPLACEMENT PROJECT
SAN DIMAS AND RED MOUNTAIN POWER PLANTS STANDBY DIESEL ENGINE GENERATOR REPLACEMENTS
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 PCS ELECTRICAL REPLACEMENTS
SAN GABRIEL TOWER AND SPILLWAY IMPROVEMENTS
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) REPAIRS
SAN JACINTO DIVERSION STRUCTURE SLIDE GATE V-03 REPLACEMENT
SAN JACINTO DIVERSION STRUCTURE SLIDE GATES V-01 V-02 REPAIR
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 ANA RIVER DISCHARGE PAD - UPPER FEEDER
SANTA MONICA AND CALABASAS FEEDER BYPASS FOR SECTIONALIZING VALVES
SANTA MONICA FEEDER CAST IRON PIPE REHABILITATION
SANTA MONICA FEEDER CATHODIC PROTECTION..

**TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS**

Description

Distribution Facilities

SANTA MONICA FEEDER RELOCATION
SANTA MONICA FEEDER STATION 495+10 REHABILITATION
SANTIAGO CONTROL TOWER CATHODIC PROTECTION
SANTIAGO CONTROL TOWER SEISMIC IMPROVEMENTS
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 - REACHES 7, AND 10
SECOND LOWER FEEDER PCCP REHAB, R/W ACQUISITION
SECOND LOWER FEEDER PCCP REHAB. - REACH 9
SECOND LOWER FEEDER PCCP REHABILITATION
SECOND LOWER FEEDER PCCP REHABILITATION - PRELIMINARY DESIGN
SECOND LOWER FEEDER PCCP REHABILITATION - PIPE PROCUREMENT DOCUMENTS
SECOND LOWER FEEDER PCCP REHABILITATION - REACH 1
SECOND LOWER FEEDER PCCP REHABILITATION - REACH 11
SECOND LOWER FEEDER PCCP REHABILITATION - REACH 2
SECOND LOWER FEEDER PCCP REHABILITATION - REACH 3
SECOND LOWER FEEDER PCCP REHABILITATION - REACH 5
SECOND LOWER FEEDER PCCP REHABILITATION - REACH 6
SECOND LOWER FEEDER PCCP REHABILITATION - VALVE PROCUREMENT
SECOND LOWER FEEDER PCCP REPAIRS
SECOND LOWER FEEDER REHABILITATION REACH 3 ACOUSTIC FIBER OPTIC PCCP MONITORING SYSTEM
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 RELIABILITY IMPROVEMENTS
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 PCCP REHABILITATION - REACH 1
SEPULVEDA FEEDER PCCP REHABILITATION - REACH 2
SEPULVEDA FEEDER PCCP REHABILITATION - REACH 3
SEPULVEDA FEEDER PCCP REHABILITATION - REACH 4
SEPULVEDA FEEDER PCCP REHABILITATION - REACH 5
SEPULVEDA FEEDER PCCP REHABILITATION - SOUTH REACH PDR AND NORTH REACH PDR THROUGH CONSTRUCTION
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 HEP TAILRACE COATINGS
SEPULVEDA PCS - PERIMETER ASPHALT REPAIRS
SEPULVEDA PIPELINE PCCP REHABILITATION
SEPULVEDA FEEDER/EAST VALLEY FEEDER INTERCONNECTION ELECTRICAL UPGRADES
SEPULVEDA-WEST BASIN INTERCONNECTION VALVE REPLACEMENT
SEPULVEDA-WEST BASIN INTERCONNECTION VALVE REPLACEMENTS
SERVICE AREA INTERCONNECTION ENHANCEMENT PROGRAM
SERVICE CONNECTION A-02 REHABILITATION
SERVICE CONNECTION LA-17 FLOWMETER REPLACEMENTS
SERVICE CONNECTION LA-17 REHABILITATION
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

**TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS**

Description

Distribution Facilites

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
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 ST. FACILITY - SECURITY & HVAC REPLACEMENT
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
UF RAW VACUUM VALVES AND BLOWOFF IMPROVEMENTS
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 LINING REPAIRS
UPPER FEEDER - SANTA ANA RIVER BRIDGE REPAIRS
UPPER FEEDER - STRUCTURAL PROTECTION
UPPER FEEDER AIR ENTRAINMENT
UPPER FEEDER BLOW OFF STRUCTURE REPLACEMENT
UPPER FEEDER CATHODIC PROTECTION SYSTEM
UPPER FEEDER EMERGENCY EXPANSION JOINT REPLACEMENT
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
VENICE PCS VALVE REFURBISHMENT
VIDEO CONFERENCE SYSTEM UPGRADE
VIDEOCONFERENCING UPGRADE
WADSWORTH PUMP DISCHARGE TO EASTSIDE PIPELINE INTERCONNECTION
WADSWORTH PUMP PLANT STOP LOGS
WADSWORTH PUMPING PLANT - MODIFICATION/REPAIRS OF FIFTY-NINE 6.9KV BREAKERS/CABINETS
WADSWORTH PUMPING PLANT CONDUIT REPAIR AND PROTECTION
WADSWORTH PUMPING PLANT CONTROL & PROTECTION UPGRADE
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 YARD PIPING LINING REPAIRS
WADSWORTH/DVL CONTROL & PROTECTION SYSTEM UPGRADE - UPS REPLACEMENT
WASHINGTON STREET PRESSURE CONTROL STRUCTURE VALVE REPLACEMENT
WATER DELIVERY SYSTEM AUTOMATION
WATER PLANNING APPLICATION
WATER QUALITY - REMOTE MONITORING
WATER QUALITY LABORATORY BUILDING EXPANSION
WATER QUALITY MONITORING AND EVENT DETECTION SYSTEM

**TABLE 3
CONVEYANCE, DISTRIBUTION, AND STORAGE SYSTEM COSTS**

Description

Distribution Facilities

WCF/PVF INTERCONNECTION VALVE AUTOMATION
 WEST COAST FEEDER - CATHODIC PROTECTION SYSTEMS
 WEST OC FEEDER VALVE REPLACEMENT
 WEST ORANGE COUNTY FEEDER (WOCF) VALVE REPLACEMENT
 WEST ORANGE COUNTY FEEDER OC-09 REHABILITATION
 WEST ORANGE COUNTY FEEDER SERVICE CONNECTION OC-09 REHABILITATION
 WEST ORANGE COUNTY FEEDER VALVE REPLACEMENT
 WEST ORANGE COUNTY FEEDER CATHODIC PROTECTION
 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 - DE SOTO VALVE STRUCTURES IMPROVEMENT
 WEST VALLEY FEEDER NO. 1 - STAGE 3 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 STRUCTURES - PIPING 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
 WILLITS STREET PRESSURE CONTROL STRUCTURE REHABILITATION
 YORBA LINDA FEEDER - STA 924+11 PORTAL ACCESS
 YORBA LINDA FEEDER BYPASS
 YORBA LINDA PCS REHABILITATION
 YORBA LINDA PORTAL STRUCTURE ACCESS/TELEGRAPH CREEK BRIDGE

Sub-total Distribution facilities costs

\$ 97,186,802

TABLE 4

**FISCAL YEAR 2024/25
ESTIMATED READINESS-TO-SERVE CHARGE REVENUE**

Member Agency	Rolling Ten-Year Average Firm Deliveries (Acre-Feet) FY2012/13 - FY2021/22	RTS Share	6 months @ \$167 million per year (7/24-12/24)	Rolling Ten-Year Average Firm Deliveries (Acre-Feet) FY2013/14 - FY2022/23	RTS Share	6 months @ \$181 million per year (1/25-6/25)	Total RTS Charge FY 2024/25
Anaheim	21,455.1	1.51%	1,258,154	23,001.9	1.69%	1,526,826	2,784,980
Beverly Hills	10,205.1	0.72%	598,440	9,858.1	0.72%	654,364	1,252,804
Burbank	12,718.9	0.89%	745,852	11,540.0	0.85%	766,005	1,511,858
Calleguas MWD	95,178.2	6.68%	5,581,370	90,313.9	6.62%	5,994,880	11,576,250
Central Basin MWD	33,127.5	2.33%	1,942,638	31,768.2	2.33%	2,108,718	4,051,356
Compton	179.0	0.01%	10,497	12.0	0.00%	797	11,293
Eastern MWD	98,347.5	6.91%	5,767,222	96,726.8	7.09%	6,420,557	12,187,779
Foothill MWD	8,584.8	0.60%	503,424	8,399.5	0.62%	557,544	1,060,968
Fullerton	6,943.1	0.49%	407,152	6,528.4	0.48%	433,344	840,496
Glendale	16,034.1	1.13%	940,260	15,436.0	1.13%	1,024,615	1,964,875
Inland Empire Utilities Agency	59,972.9	4.21%	3,516,887	57,672.1	4.23%	3,828,174	7,345,061
Las Virgenes MWD	20,371.3	1.43%	1,194,599	19,302.4	1.42%	1,281,260	2,475,859
Long Beach	29,143.9	2.05%	1,709,035	27,777.5	2.04%	1,843,822	3,552,857
Los Angeles	289,217.7	20.31%	16,960,092	272,316.9	19.97%	18,075,923	35,036,015
Municipal Water District of Orange County	194,843.4	13.68%	11,425,863	187,038.3	13.72%	12,415,278	23,841,141
Pasadena	19,240.7	1.35%	1,128,299	19,104.9	1.40%	1,268,150	2,396,449
San Diego County Water Authority	195,939.0	13.76%	11,490,111	175,570.9	12.88%	11,654,092	23,144,202
San Fernando	85.4	0.01%	5,008	312.4	0.02%	20,737	25,745
San Marino	0.0	0.07%	59,838	1,035.1	0.08%	68,708	128,546
Santa Ana	9,104.1	0.64%	533,876	8,648.2	0.63%	574,053	1,107,928
Santa Monica	4,511.6	0.32%	264,566	4,783.2	0.35%	317,501	582,066
Three Valleys MWD	64,396.5	4.52%	3,776,292	62,674.4	4.60%	4,160,218	7,936,510
Torrance	15,339.7	1.08%	899,539	15,088.8	1.11%	1,001,568	1,901,108
Upper San Gabriel Valley MWD	34,238.2	2.40%	2,007,771	38,526.1	2.83%	2,557,296	4,565,067
West Basin MWD	114,036.4	8.01%	6,687,239	111,549.0	8.18%	7,404,429	14,091,668
Western MWD	69,677.5	4.89%	4,085,977	68,413.1	5.02%	4,541,143	8,627,120
MWD Total	1,423,912.0	100.00%	\$ 83,500,000	1,363,398.1	100.00%	\$ 90,500,000	\$ 174,000,000
Totals may not foot due to rounding							

TABLE 5
FISCAL YEAR 2024/25
ESTIMATED STANDBY CHARGE REVENUE

Member Agencies	Total Parcel Charge	Number of Parcels Or Acres	Gross Revenues (Dollars)
Anaheim	\$ 8.55	69,677	595,741
Beverly Hills	-	-	-
Burbank	14.20	29,041	412,380
Calleguas MWD	9.58	260,565	2,496,211
Central Basin MWD	10.44	341,251	3,562,663
Compton	1.65	18,035	29,758
Eastern MWD ¹	6.94	433,996	3,011,935
Foothill MWD	10.28	30,307	311,555
Fullerton	10.71	35,327	378,352
Glendale	12.23	44,942	549,645
Inland Empire Utilities Agency	7.59	265,041	2,011,661
Las Virgenes MWD	8.03	53,121	426,564
Long Beach	12.16	92,465	1,124,369
Los Angeles	-	-	-
Municipal Water District of Orange County ²	10.09	666,450	7,577,622
Pasadena	11.73	39,656	465,169
San Diego County Water Authority ¹	11.51	1,096,250	12,617,839
San Fernando	-	5,102	-
San Marino	8.24	4,971	40,963
Santa Ana	7.88	65,231	514,017
Santa Monica	-	-	-
Three Valleys MWD	12.21	151,427	1,848,927
Torrance	12.23	40,605	496,602
Upper San Gabriel Valley MWD	9.27	215,019	1,993,223
West Basin MWD	-	-	-
Western MWD	9.23	388,204	3,583,126
MWD Total		4,346,685	\$ 44,048,322

(1) Estimates per FY 2023/24 applied amounts and Adjusted due to reorganization of Fallbrook Public Utility District parcels out from San Diego County Water Authority to Eastern MWD.

(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, 2023**

Annexation	Parcel Number	Acres		Proposed Standby Charge (FY 2024/25)
Calleguas MWD				
Annexation No. 104	145-0-232-01	9.90		\$ 94.84
Annexation No. 106	223-0-041-02	3.88		\$ 37.17
	223-0-090-01		No tax area	
	222-0-180-05	0.26		\$ 9.58
	223-0-090-08		No tax area	
	223-0-090-09		No tax area	
	223-0-090-015		No tax area	
Western MWD				
Murrieta Payment Area	906-212-001	2.34		21.60
	906-221-001	2.14		19.75
	906-221-002	0.48		9.23

REORGANIZATIONS BETWEEN MEMBER AGENCIES

Annexation	Parcel Number	Acres	Original Standby Charge	Proposed Standby Charge (FY 2024/25)
None	No APN Presented			

**PARCELS SUBJECT TO ANNEXATION STANDBY CHARGES
ANTICIPATED AS OF JULY 1, 2024**

Annexation	Parcel Number	Acres		Proposed Standby Charge (FY 2024/25)
None	No APN Presented			

REORGANIZATIONS BETWEEN MEMBER AGENCIES

Annexation	Parcel Number	Acres	Original Standby Charge	Proposed Standby Charge (FY 2024/25)
Reorg Fallbrook Public Utility District from San Diego County Water Authority to Eastern Municipal Water District			\$ 11.51	\$ 6.94