THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

BOARD ACTION

- Board of Directors
  *Finance and Insurance Committee*

4/12/2011 Board Meeting

**8-5**

## Subject

Approve resolutions imposing Readiness-to-Serve Charge and Capacity Charge for calendar year 2012

## Description

This letter recommends approval of the resolutions to impose the Readiness-to-Serve Charge and the Capacity Charge effective January 1, 2012.

Metropolitan's Board adopted rates and charges for calendar years 2011 and 2012 at its meeting on April 13, 2010, following discussions of proposed revenue requirements, budget and rates by the Business and Finance Committee and the Board in meetings from January through April of 2010, board workshops regarding the proposed budget and future rates and charges held on January 26, February 16, and March 23, 2010, and a public hearing at the Business and Finance Committee meeting on March 8, 2010. An updated cost of service report, dated April 2010, and included in the General Manager's recommendation for rates and charges on April 13, 2010, was produced based on the feedback received from the public comments and the board workshops.

In adopting the rates and charges adopted on April 13, 2010, the Board determined the amount of revenue to be raised by the Readiness-to-Serve Charge and the Capacity Charge in 2011 and 2012. The resolutions to adopt the Readiness-to-Serve Charge and the Capacity Charge for calendar year 2011 were adopted by the Board on April 13, 2010. Staff has prepared the resolutions to adopt the Readiness-to-Serve Charge (**Attachment 1**) and the Capacity Charge (**Attachment 2**) for calendar year 2012, at the levels previously determined by the Board. These resolutions provide an estimate of each member agency's share of the Readiness-to-Serve Charge and Capacity Charge in 2012.

In addition, it is recommended that the Readiness–to-Serve Charge resolution allow for direct refunds of any accumulated credits from the standby charge, to be applied to a member agency's capital infrastructure projects. At present, any collections from the standby charge which exceed a member agency's readiness-to-serve obligation may be credited towards the member agency's other outstanding or future obligations towards Metropolitan. However, this has been impracticable in some situations. Transmitting accumulated credits to the member agency to be used for capital infrastructure will provide benefits to properties within the member agency from the projects funded with proceeds of the standby charge. The refund is limited to water-related capital projects identified in writing to Metropolitan. A second letter explaining how the funds were spent will be required once the capital project is completed.

## Policy

Metropolitan Water District Administrative Code Section 4304: Apportionment of Revenues and Setting of Water Rates and Charges to Raise Firm Revenue

## California Environmental Quality Act (CEQA)

CEQA determination for Option #1:

The proposed action is not defined as a project under CEQA, because it involves continuing administrative activities, such as general policy and procedure making (Section 15378(b)(2) of the State CEQA Guidelines). In

addition, the proposed action is not subject to CEQA because it involves the creation of government funding mechanisms or other government fiscal activities, which do not involve any commitment to any specific project which may result in a potentially significant physical impact on the environment (Section 15378(b)(4) of the State CEQA Guidelines).

The CEQA determination is: Determine that the proposed action is not subject to CEQA pursuant to Sections 15378(b)(2) and 15378(b)(4) of the State CEQA Guidelines.

CEQA determination for Option #2:

None required

## Board Options

**Option #1**

Adopt the CEQA determination and the following resolutions:

a. Resolution to impose the Readiness-to-Serve Charge.
b. Resolution to impose the Capacity Charge.

**Fiscal Impact:** Revenues from charges of $178 million in calendar year 2012

**Option #2**

Take no action.

**Fiscal Impact:** None

## Staff Recommendation

Option #1

3/25/2011
*Thomas E. DeBacker* *Date*
*Interim Chief Financial Officer*

3/30/2011
*Jeffrey Kightlinger* *Date*
*General Manager*

**Attachment 1 – Resolution to Fix and Adopt Readiness-to-Serve Charge for calendar year 2012**

**Attachment 2 – Resolution to Fix and Adopt Capacity Charge for calendar year 2012**

Ref# cfo12609208

THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

RESOLUTION ____

**RESOLUTION OF THE BOARD OF DIRECTORS OF THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA FIXING AND ADOPTING A READINESS-TO-SERVE CHARGE FOR CALENDAR YEAR 2012**

WHEREAS, at its meeting on October 16, 2001, the Board of Directors ("Board") of The Metropolitan Water District of Southern California ("Metropolitan") approved a rate structure proposal described in Board Letter 9-6 dated October 16, 2001, including a readiness-to-serve charge; and

WHEREAS, providing firm revenue sources is a goal of such rate structure; and

WHEREAS, the amount of revenue to be raised by the readiness-to-serve charge shall be as determined by the Board and allocation of the readiness-to-serve charge among member public agencies shall be in accordance with the method established by the Board; and

WHEREAS, the readiness-to-serve charge is a charge imposed by Metropolitan upon its member agencies, and is not a fee or charge imposed upon real property or upon persons as an incident of property ownership; and

WHEREAS, Metropolitan has legal authority to impose such readiness-to-serve charge as a water rate pursuant to Section 134 of the Metropolitan Water District Act (the "Act"), and as an availability of service charge pursuant to Section 134.5 of the Act; and

WHEREAS, 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 expenses and provide for payment of other costs, including payment of the interest and principal of Metropolitan's non-tax funded bonded debt; and

WHEREAS, pursuant to Resolution 8329, adopted by the Board on July 9, 1991, proceeds of the readiness-to-serve charge and other revenues from the sale or availability of water are pledged to the payment of Metropolitan's outstanding revenue bonds issued and revenue bonds to be issued pursuant to Resolution 8329; and

WHEREAS, under authority of Section 134.5 of the Act, a readiness-to-serve charge imposed as an availability of service charge may be collected from the member public agencies within Metropolitan, or may be imposed as a standby charge against individual parcels within Metropolitan's service area; and

WHEREAS, under such authority, the water standby charge may be imposed 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

WHEREAS, certain member public agencies of Metropolitan have opted in prior fiscal years to provide collection of all or a portion of their readiness-to-serve charge obligation through a Metropolitan water standby charge imposed on parcels within those member agencies; and

WHEREAS, Metropolitan is willing to comply with the requests of member public agencies opting to have Metropolitan continue to levy water standby charges within their respective territories, on the terms and subject to the conditions contained herein; and

WHEREAS, on April 13, 2010, following discussions of proposed revenue requirements, budget and rates by the Business and Finance Committee and the Board in meetings from January through April of 2010, board workshops regarding the proposed budget and future rates and charges held on January 26, February 16, and March 23, 2010 and a public hearing at the Business and Finance Committee meeting on March 8, 2010, Metropolitan's Board adopted water rates and charges to be effective January 1, 2011 and January 1, 2012; and

WHEREAS, an updated cost of service report, dated April 2010, was produced based on the feedback received from the public comments and the board workshops and included in the General Manager's recommendation for rates and charges on April 12, 2010; and

WHEREAS, in adopting the rates and charges adopted on April 13, 2010, the Board determined the amount of revenue to be raised by the readiness-to-serve charge in 2012 to be $146,000,000; and

WHEREAS, notice of intention of Metropolitan's Board to consider and take action at its regular meeting to be held April 12, 2011, to increase Metropolitan's readiness-to-serve charge for calendar year 2012 was mailed to each of Metropolitan's member public agencies; and

WHEREAS, the readiness-to-serve charge applicable to each member public agency, the method of its calculation, and the specific data used in its determination are as specified in the Engineer's Report dated April 2011 (the "Engineer's Report"); and

WHEREAS, 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 of Directors of The Metropolitan Water District of Southern California does hereby resolve, determine and order as follows:

**Section 1.** That the Board of Directors of Metropolitan hereby fixes and adopts a readiness-to-serve charge for the period from January 1, 2012 through December 31, 2012.

**Section 2.** That said readiness-to-serve charge shall be in an amount sufficient to provide for payment of debt service and other appropriately allocated costs, for capital expenditures for projects needed to provide standby and emergency storage service needs.

**Section 3.** That such readiness-to-serve charge for January 1, 2012 through and including December 31, 2012 shall be a water rate equal to $77.72 per acre-foot, which shall be charged on a historic basis for each acre-foot of water, excluding water used for purposes of replenishing local storage and agriculture as defined by the Administrative Code, included in Metropolitan's average water deliveries to its member agencies for the applicable ten-year period identified in Section 5 below. The aggregate readiness-to-serve charge for the period from January 1, 2012 through and including December 31, 2012 shall be $146,000,000.

**Section 4.** That in the alternative, and without duplication, the readiness-to-serve charge shall be an availability of service charge pursuant to Section 134.5 of the Act.

**Section 5.** That the readiness-to-serve charge for January 1, 2012 through December 31, 2012 shall be allocated among the member public agencies in proportion to the average of deliveries through Metropolitan's system (in acre-feet) to each member public agency during the ten-year period ending June 30, 2010. Metropolitan sales of reclaimed water under the Local Projects Program, groundwater under the Groundwater Recovery Program, and deliveries under the Replenishment and Interim Agricultural Water Service Programs are not included in the readiness-to-serve charge water sales calculation. The allocation of the readiness-to-serve charge among member agencies is based on sales data recorded by Metropolitan and shall be conclusive in the absence of manifest error.

The amount of the readiness-to-serve charge to be imposed on each member public agency effective January 1, 2012, is as follows:

**Table 1**

**Calendar Year 2012 Readiness-To-Serve Charge**

| Member Agency | Rolling Ten-Year Average Firm Deliveries (Acre-Feet) FY2000/01 - FY2009/10 | RTS Share | 12 months @ $146 million per year (1/12-12/12) |
|---|---|---|---|
| Anaheim | 21,453 | 1.14% | $ 1,667,295 |
| Beverly Hills | 12,375 | 0.66% | 961,784 |
| Burbank | 12,976 | 0.69% | 1,008,461 |
| Calleguas MWD | 112,722 | 6.00% | 8,760,447 |
| Central Basin MWD | 62,741 | 3.34% | 4,876,084 |
| Compton | 3,038 | 0.16% | 236,098 |
| Eastern MWD | 93,655 | 4.99% | 7,278,655 |
| Foothill MWD | 11,419 | 0.61% | 887,486 |
| Fullerton | 10,006 | 0.53% | 777,640 |
| Glendale | 22,919 | 1.22% | 1,781,236 |
| Inland Empire Utilities Agency | 62,036 | 3.30% | 4,821,262 |
| Las Virgenes MWD | 23,019 | 1.23% | 1,788,993 |
| Long Beach | 36,496 | 1.94% | 2,836,375 |
| Los Angeles | 318,284 | 16.94% | 24,736,170 |
| Municipal Water District of Orange County | 230,828 | 12.29% | 17,939,355 |
| Pasadena | 23,256 | 1.24% | 1,807,388 |
| San Diego County Water Authority | 473,945 | 25.23% | 36,833,771 |
| San Fernando | 119 | 0.01% | 9,217 |
| San Marino | 983 | 0.05% | 76,420 |
| Santa Ana | 12,950 | 0.69% | 1,006,402 |
| Santa Monica | 12,674 | 0.67% | 985,022 |
| Three Valleys MWD | 71,638 | 3.81% | 5,567,481 |
| Torrance | 20,288 | 1.08% | 1,576,739 |
| Upper San Gabriel Valley MWD | 16,779 | 0.89% | 1,304,036 |
| West Basin MWD | 138,880 | 7.39% | 10,793,363 |
| Western MWD | 73,122 | 3.89% | 5,682,822 |
| MWD Total | 1,878,601 | 100.00% | $ 146,000,000 |

Totals may not foot due to rounding

**Section 6.** That the allocation of the readiness-to-serve charge among member agencies set forth in Section 5 above is consistent with the per-acre-foot water rates imposed pursuant to Section 3 above.

**Section 7.** That it is the intent of the Board 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 readiness-to-serve charge.

**Section 8.** That the readiness-to-serve charge and the amount applicable to each electing member public agency, the method of its calculation, and the specific data used in its determination are as specified in the General Manager's recommendation on rates and charges to be effective January 1, 2011 and January 1, 2012, which forms the basis of the readiness-to-serve charge. Such recommendation is on file and available for review by interested parties at Metropolitan's headquarters.

**Section 9.** That except as provided in Section 11 below with respect to any readiness-to-serve charge collected by means of a Metropolitan water standby charge, the readiness-to-serve charge shall be due monthly, quarterly or semiannually as agreed upon by Metropolitan and the member agency.

**Section 10.** That such readiness-to-serve charge may, at the request of any member agency which elected to utilize Metropolitan's standby charge as a mechanism for collecting its readiness-to-serve charge obligation in FY 1996/97, be collected by continuing the Metropolitan water standby charge at the same rates imposed in FY 1996/97 upon land within Metropolitan's (and such member public agency's) service area to which water is made available by Metropolitan for any purpose, whether such water is used or not.

**Section 11.** That the proposed water standby charge, if continued, 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 obligation to pay a readiness-to-serve charge. After such member agency's readiness-to-serve charge allocation is fully satisfied, any additional collections shall be credited to other outstanding obligations of such member agency to Metropolitan or future readiness-to-serve obligations of such agency or, if crediting against other outstanding obligations of a member agency to Metropolitan proves to be impracticable, may be transmitted to the member agency for application solely to the cost of capital infrastructure projects of benefit to properties within the member agency. Notwithstanding the provisions of Section 9 above, any member agency requesting to have all or a portion of its readiness-to-serve 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 within 50 days after Metropolitan issues an invoice for remaining readiness-to-serve charges to such member agency, as provided in Administrative Code Section 4507.

**Section 12.** That notice is hereby given to the public and to each member public 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 10, 2011 (or such other date as the Board shall hold its regular meeting in such month), on the General Manager's recommendation to continue its water standby charge for FY 2011/12 under authority of Section 134.5 of the Act on land within Metropolitan at the same rates, per acre of land, or per parcel of land less than an acre, imposed in FY 1996/97 upon land within Metropolitan's (and such member public agency's) service area. Such water standby charge will be continued as a means of collecting the readiness-to-serve charge.

**Section 13.** That no failure to collect, and no delay in collecting, any standby charges shall excuse or delay payment of any portion of the readiness-to-serve charge when due. All amounts collected as water standby charges shall be applied solely as credits to the readiness-to-serve charge of the applicable member agency, with any excess collections being carried forward and credited against other outstanding obligations of such member agency to Metropolitan.

**Section 14.** That the readiness-to-serve charge is imposed 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 water standby charge is imposed within the respective territories of electing member agencies as a mechanism for collection of the readiness-to-serve charge. In the event that the water 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 water 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 water standby charge, then no further standby charge shall be collected within any member agency and each member agency which has requested continuation of Metropolitan water standby charges as a means of collecting its readiness-to-serve charge obligation shall pay such readiness-to-serve charge obligation in full, as if continuation of such water standby charges had never been sought.

**Section 15.** 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 16** That this Board finds that the readiness-to-serve charge and other charges provided in this Resolution are not defined as a Project under the California Environmental Quality Act ("CEQA") since they involve continuing administrative activities, such as general policy and procedure making (Section 15378(b)(2) of the State CEQA Guidelines). In addition, the proposed actions are not subject to CEQA because they involve the creation of government funding mechanisms or other government fiscal activities, which do not involve any commitment to any specific project which may result in a potentially significant physical impact on the environment (Section 15378(b)(4) of the State CEQA Guidelines).

**Section 17.** 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 18.** 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 19.** 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 public 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 12, 2011.

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Board Executive Secretary
The Metropolitan Water District
of Southern California

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

**PROGRAM TO LEVY READINESS-TO-SERVE CHARGE,**

**INCLUDING LOCAL OPTION FOR STANDBY CHARGE,**
**DURING FISCAL YEAR 2011/12**

**April 2011**

## BACKGROUND

The Metropolitan Water District of Southern California is a public agency with a primary purpose to provide imported water supply for domestic and municipal uses at wholesale rates to its member public agencies. More than 18 million people reside within Metropolitan's service area, which covers over 5,000 square miles and includes portions of the six counties of Los Angeles, Orange, Riverside, San Bernardino, San Diego and Ventura. Metropolitan currently provides over 50 percent of the water used within its service area.

## REPORT PURPOSES

As part of its role as an imported water supplier, Metropolitan builds capital facilities and implements water management programs that ensure 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 in fiscal year 2011/12, and (2) describe the method and basis for levying Metropolitan's standby charge for those agencies electing to collect a portion of their RTS obligation through Metropolitan's standby charge. **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 imposed on a calendar year basis.** The RTS charge for calendar year 2011 was adopted by Metropolitan's Board on April 13, 2010 and the RTS charge for 2012 will be considered by the Board on April 12, 2011.

Metropolitan levies the RTS charge on its member agencies to recover a portion of the debt service on bonds issued to finance capital facilities needed to meet existing demands on Metropolitan's system. The standby charge is levied on parcels of land within certain of Metropolitan's member agencies as a method of collecting part or all of such member agency's RTS charge obligation. The RTS charge will partially pay for the facilities and programs described in this report. The standby charge, if levied, will be utilized solely for capital payments and debt service on the capital facilities identified in this report.

## METROPOLITAN'S RESPONSE TO INCREASING WATER DEMANDS

To respond to increasing demands for water, Metropolitan and its member agencies collectively examined the available local and imported resource options in order to develop a least-cost plan that meets the reliability and quality needs of the region. The product of this intensive effort was an Integrated Resources Plan (IRP) for achieving a reliable and affordable water supply for Southern California. The major objective of the IRP was to develop a comprehensive water resources plan that ensures (1) reliability, (2) affordability, (3) water quality, (4) diversity of supply, and (5) adaptability for the region, while recognizing the environmental, institutional, and political constraints to resource development. As these constraints change over time, the IRP is periodically revisited and updated by Metropolitan and the member agencies to reflect current conditions. To meet the water supply needs of existing and future customers within its service area, Metropolitan continues to identify and

develop additional water supplies to maintain the reliability of the imported water supply and delivery system. These efforts include the construction of capital facilities and implementation of demand management programs.

## Capital Facilities

The capital facilities include the State Water Project (SWP), the Colorado River Aqueduct (CRA), storage facilities including the recently completed Diamond Valley Lake (DVL), and additional conveyance and distribution system components. 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.

State Water Project Benefits

In 1960, Metropolitan contracted with the California Department of Water Resources (DWR) to receive SWP supplies. Under this contract, Metropolitan is obligated to pay its portion of the construction and operation and maintenance costs of the SWP system through at least the year 2035, regardless of the quantities of project water Metropolitan takes. Metropolitan is entitled to 1.9 million acre-feet of the total SWP entitlements of 4.2 million acre-feet. All Metropolitan member agencies benefit from the SWP supplies, which are distributed to existing customers and are available to future customers throughout Metropolitan's service area. The potential benefit of the SWP allocable to the RTS charge in fiscal year 2011/12 is shown in Table 1.

System Storage Benefits

The Metropolitan system, for purposes of meeting demands during times of shortage, regulating system flows, and to ensure system reliability in the event of a system outage, provides over 1,000,000 acre-feet of system storage capacity. DVL provides 800,000 acre-feet of storage capacity for water from the CRA and SWP, effectively doubling Southern California's previous surface water storage capacity. Water stored in system storage during above average supply conditions (surplus) provides a reserve against shortages when supply sources are limited or disrupted. System 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 potential benefit of system storage in fiscal year 2011/12 is shown in Table 1.

Conveyance and Distribution System Benefits

Metropolitan has an ongoing commitment, through physical system improvements and the maintenance and rehabilitation of existing facilities, to maintain the reliable delivery of water throughout the entire service area. System improvement projects include additional conveyance and distribution facilities to maintain the dependable delivery of water supplies, provide alternative system delivery capacity, and enhance system operations. Conveyance and distribution system improvement benefits also include projects to upgrade obsolete facilities or equipment, or to rehabilitate or replace facilities or equipment. These projects are needed to enhance system operations, comply with new regulations, and maintain a reliable distribution system. A list of conveyance and distribution system facilities is provided in Table 3 along with the fiscal year 2011/12 estimated conveyance and distribution system benefits.

## Demand Management Program Benefits

Demand management programs that could be financed by the RTS charge and standby charge include Metropolitan's participation in providing financial incentives to local agencies for the construction and development of local resource programs and conservation projects. Investments in demand side management programs like conservation, water recycling and groundwater recovery reduce the need to provide additional imported water supplies and help defer the need for additional conveyance, distribution, and storage facilities. A

summary of the estimated benefits of the demand management programs as measured by Metropolitan's anticipated expenditures for these programs in fiscal year 2011/12 is shown in Table 1.

Local Resources Program

In 1998, Metropolitan's Board adopted the Local Resources Program (LRP) with the goal of developing local water resources in a cost-efficient manner. Financial incentives of up to $250 per acre-foot are provided to member agency-sponsored projects that best help the region achieve its local resource production goals of restoring degraded groundwater resources for potable use and developing recycled supplies. In both instances, the programs provide new water supplies, which help defer the need for additional regional conveyance, distribution and storage facilities.

Combined production from participating recycling and groundwater recovery projects is expected to yield approximately 248,900 acre-feet of water for fiscal year 2011/12 with financial incentive payments of about $39 million. Regional recycling, recovered groundwater, and desalinated seawater production are projected to be about 750,000 acre-feet per year by year 2025. An estimate of potential benefits as measured by Metropolitan's estimated incentive payments for recycling and groundwater recovery projects is shown in Table 2.

Water Conservation

Metropolitan actively promotes water conservation programs within its service area as a cost-effective strategy for ensuring the long-term reliability of supplies and as a means of reducing the need to expand system conveyance, distribution and treatment capacity. Through the Conservation Credits Program, Metropolitan reimburses local agencies for a share of their costs of implementing conservation projects. Since fiscal year 1990/91, Metropolitan has spent over $293 million in financial incentives to support local conservation projects.

In 1991, Metropolitan agreed to implement conservation "Best Management Practices" (BMPs). By signing the California Urban Water Conservation Council's *Memorandum of Understanding Regarding Urban Water Conservation* (amended March 10, 2004), Metropolitan committed to implement proven and reliable water conserving technologies and practices within its jurisdiction. Based on Metropolitan's IRP, the Conservation Credits Program, in conjunction with plumbing codes and other conservation efforts, has saved over 1,417,000 acre-feet since inception through fiscal year 2009/10. In order to comply with the Governor's mandate of reducing demand by 20 percent by the year 2020, Metropolitan is working on increasing its conservation efforts in the next ten years to meet that request. Conservation is a critical element of Metropolitan's demand management program, effectively increasing the reliability of existing water supplies by lessening the need to import additional water while at the same time deferring the need to expand system capacity. An estimate of the potential benefits of water conservation projects as measured by Metropolitan's incentive payments is given in Table 2.

## LONG-RANGE FINANCIAL PLANNING

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, 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.

Since the passage of Article XIIIA of the California Constitution, Metropolitan has necessarily relied more on water sales revenue than on *ad valorem* property taxes for the payment of debt. Water sales have become the dominant source of revenue, not only for operation and maintenance of the vast network of facilities supplying water to Southern California, but also for replacement and improvement of capital facilities.

The increased reliance on highly variable water sales revenue increases the probability of substantial rate swings from year to year mainly resulting from changing weather patterns. The use of water rates as a primary source of revenue has placed an increasing burden on ratepayers, which might more equitably be paid in part by assessments on land that in part derives its value from the availability of water. 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.

**Readiness-To-Serve Charge**

As noted above, Metropolitan levies the RTS charge on its member agencies to recover a portion of the debt service on bonds issued to finance capital facilities needed to meet existing demands on Metropolitan's system. The estimated potential benefits that could be paid by an RTS charge in fiscal year 2011/12 are about $321 million as shown in Table 1.

Although the RTS charge could be set to recover the entire potential benefit amount, the General Manager is recommending that the RTS charge only recover a portion of the total potential benefit. For fiscal year 2011/12, this amount is estimated to be $135,500,000. These funds, when combined with Metropolitan's overall financial resources, will result in greater water rate stability for all users throughout Metropolitan's service area. Consistent with the rate structure approved by the Board in October of 2001, the RTS charge for fiscal year 2011/12 is allocated to each member agency on the basis of a ten-year rolling average of historic water purchases from Metropolitan ending June 30, 2010. This average includes all deliveries used to meet firm demand (consumptive municipal industrial demands), including water transfers and exchanges. The estimated fiscal year 2011/12 RTS 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. 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 imposition of a standby charge. The projects to be supported in part by a standby charge are capital projects that provide both local and Metropolitan-wide benefit to current landowners as well as existing water users. The estimated potential benefits system-wide are several times the amount to be recovered by means of the standby charge.

Metropolitan will levy standby charges only within the service areas of the member agencies that request that the standby charge be utilized. The standby charge for each acre or parcel of less than an acre will vary from member agency to member agency, as permitted under the legislation establishing Metropolitan's standby charge. The water standby charge for each member agency will be the same as that imposed by Metropolitan in fiscal year 1996/97 and is shown in Table 5.

The proposed standby charge includes the reimposition of water standby charges on: (1) parcels which water standby charges have been imposed in fiscal year 1996/97 and annually thereafter ("pre-1997 standby charges") and (2) parcels annexed to Metropolitan and to an electing member agency after January 1997 ("annexation standby charges"). Only land within member agencies which standby charges were imposed in fiscal year 1996/97 will be subject to the reimposition of pre-1997 standby charges for FY 2011/12. Only land annexed to Metropolitan and to an electing member public agency with respect to which standby charges were approved in accordance with the procedures of Article XIIID, Section 4 of the California Constitution will be subject to the imposition or reimposition, as applicable, of annexation standby charges for fiscal year 2011/12. Table 6 lists

parcels annexed, or to be annexed, to Metropolitan and to electing member agencies during FY 2010/11, such parcels being subject to the annexation standby charge upon annexation. Parcels annexed prior to FY 2010/11 are subject to annexation standby charges as described in the Engineer's Report for the fiscal year of their annexation. These parcels and parcels that are subject to the pre-1997 standby charges are identified in a listing filed with the Board Executive Secretary.

The estimated potential benefits of Metropolitan's water supply program, which could be paid by a standby charge, is approximately $321 million for fiscal year 2011/12, as shown in Table 1. An average total standby charge of about $73.97 per acre of land or per parcel of 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, as these properties are eligible to use water from the Metropolitan system. Because only properties located within Metropolitan's boundaries may receive water supplies from Metropolitan (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 proposed area to be annexed is merely incidental.

Table 5 shows that the distribution of standby charge revenues from the various member agencies would provide net revenue flow of approximately $43.6 million for fiscal year 2011/12. This total amount is less than the estimated benefits shown in Table 1. Metropolitan will use other revenue sources, such as water sales revenues, readiness-to-serve 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 benefits. Thus, the benefits of Metropolitan's investments in water conveyance, storage, distribution and supply programs 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 a greater 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 lower water rates than would otherwise be necessary due to the amount of revenue collected from lands which benefit from the availability of Metropolitan's water supply. 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 supply program increases the availability and reliable delivery of water throughout Metropolitan's service area. Increased water supplies benefit existing consumers and land uses through direct deliveries to consumers and properties, 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 supplies from the SWP, CRA, DVL, 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.

Additional Metropolitan deliveries required in the coming fiscal year due to the demands of property development will be reduced by the implementation of demand management projects, including water conservation, water recycling, and groundwater recovery projects. As with the SWP, CRA and DVL and the conveyance and distribution facilities, demand management programs increase the future reliability of water supplies. In addition, demand management programs provide system-wide benefits by effectively decreasing the demand for imported water, which helps to defer construction of additional system conveyance and distribution capacity. However, the

abilities of each member agency to implement these projects under Metropolitan's financial assistance programs vary and are generally represented by the historic use of imported Metropolitan water.

A major advantage of a firm revenue source, such as a 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 the residents of its service area.

## SUMMARY

The foregoing and the attached tables describe the current benefits provided by the projects listed as mainstays to the water supply system for Metropolitan's service area. Benefits are provided to both 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 fiscal year 2011/12, that the RTS charge be imposed with an option for local agencies to request that a standby charge be imposed on lands within Metropolitan's service area as a credit against such member agency's RTS, up to the standby charge per acre or parcel of less than one acre levied by Metropolitan within the applicable member agency for fiscal year 2011/12. The maximum standby charge would not exceed $15 per acre of land or per parcel of less than one acre. The benefits described in this Engineer's Report exceed the recommended charge. A listing of all parcels in the service area and the proposed 2011/12 standby charge for each is available in the office of the Chief Financial Officer.

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**TABLE 1**

**ESTIMATED DISTRIBUTION OF BENEFITS OF WATER SUPPLY**
**PAYABLE BY STANDBY CHARGE**

| Water Conveyance, Storage, Distribution and Supply Program | | Estimated Potential Program Benefits for FY2011/12 | Dollars Per Parcel of 1 Acre or Less |
|---|---|---|---|
| Net Capital Payments to State Water Project (less portion paid by property taxes) | | 26,821,431 | $6.17 |
| Non Tax Supported Debt Service Costs for System Storage [1] | | 111,852,159 | $25.75 |
| Non Tax Supported Debt Service Costs for Conveyance and Distribution System [2] | | $123,556,135 | $28.44 |
| **Sub-Total Capital Payments** | | **$262,229,725** | **$60.37** |
| less Estimated Standby Charge Revenues | $ | (43,619,408) | ($10.04) |
| Remaining capital payments | | $218,610,317 | $50.33 |
| **Demand Management Programs: Water Recycling, Groundwater Recovery, and Water Conservation Projects** | | **$59,059,631** | **$13.60** |
| Sub-Total Capital Financing and Demand Management Programs Costs not Paid by Standby Charge Revenues | | $277,669,948 | $63.92 |
| **Total Benefits: Capital Financing and Demand Management Programs** | | **$321,289,356** | **$73.97** |

**Notes:**

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

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

Totals may not foot due to rounding

**TABLE 2**

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

| Project Name | FY 2011/12 Payment |
|---|---|
| **Water Recycling Projects** | **$31,069,482** |
| Advanced Water Purification Facility Proojject | |
| Alamitos Barrier Reclaimed Water Project | |
| Burbank Reclaimed Water System Expansion Project | |
| Burbank Reclaimed Water System Expansion Project - Phase 2 | |
| Calabasas Reclaimed Water System Expansion | |
| Capistrano Valley Non-Domestic Water System Expansion | |
| Century/Rio Hondo Reclamation Program | |
| City of Industry Regional Water System - Rowland | |
| City of Industry Regional Water System - Suburban | |
| City of Industry Regional Water System - Walnut | |
| Conejo Creek Diversion Project | |
| Decker Canyon WRP | |
| Development of Non-Domestic Water Sys. Exp. Ladera | |
| Direct Reuse Project Phase IIA | |
| Dry Weather Runoff Reclamation Facility | |
| Eastern Recycled Water Pipeline Reach 16 | |
| Eastern Regional Reclaimed Water System | |
| EMWD Reach I Phase II | |
| Encina Basin Water Rec. Prog - Phases I and II | |
| Escondido Regional Reclaimed Water Project | |
| Fallbrook Reclamation Project | |
| Glendale Verdugo-Scholl Canyon Recl. Water Project | |
| Glendale Water Reclamation Expansion Project | |
| Green Acres Reclamation Project - Coastal | |
| Green Acres Reclamation Project - MWDOC | |
| Green Acres Reclamation Project - Santa Ana | |
| Groundwater Replenishment System Talbert Seawater Intrusion Barrier Component | |
| Hansen Area Water Recycling Project Phase 1 | |
| Harbor Water Recycling Project | |
| IEUA Regional Recycled Water Dist. System | |
| IEUA Regional Recycled Water Dist. System Expansion | |
| Irvine Ranch Reclamation Project | |
| IRWD Recycled Water System Upgrade | |
| Lakewood Water Reclamation Project | |

**TABLE 2 (Continued)**

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

| Project Name | FY 2011/12 Payment |
|---|---|
| **Water Recycling Projects (continued)** | |
| Long Beach Reclamation Expansion Phase I | |
| Long Beach Reclamation Project | |
| Los Angeles Taylor Yard Water Recycling Project | |
| Moulton Niguel Phase 4 Reclamation System Expansion | |
| Moulton Niguel Reclamation Project | |
| North City Water Reclamation Project | |
| Oceanside Water Reclamation Project | |
| Olivenhain Recycled Project - SE Quadrant | |
| Otay Recycled Water System | |
| Padre Dam Reclaimed Water System Phase I | |
| Ramona/Santa Maria Water Reclamation Project | |
| Rancho California Reclamation Expansion | |
| Rancho Santa Fe Reclaimed Water System | |
| RDDMWD Recycled Water Program | |
| San Clemente Water Reclamation Project | |
| San Elijo Water Reclamation System | |
| San Pasqual Reclamation Project | |
| San Vicente Recycled Water Project | |
| Santa Margarita Reclamation Expansion Project | |
| Sepulveda Basin Water Reclamation Project | |
| Sepulveda Basin Water Recycling Project Phase IV | |
| Shadowridge Reclaimed Water System | |
| Trabuco Canyon Reclamation Expansion Project | |
| West Basin Water Reclamation Program | |

**TABLE 2 (Continued)**

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

| Project Name | FY 2011/12 Payment |
|---|---|
| **Groundwater Recovery Projects** | **8,221,649** |
| Arlington Desalter | |
| Beverly Hills Desalter | |
| Burbank Lake Street GAC Plant | |
| Capistrano Beach Desalter | |
| Chino Basin Desalter No. 1 - IEUA | |
| Chino Basin Desalter No. 1 - Western | |
| Irvine Desalter | |
| Juan Well Filter Facility | |
| Lower Sweetwater Desalter Phase 1 | |
| Madrona Desalter (Goldsworthy) | |
| Menifee Basin Desalter | |
| Mesa Consolidated Colored Water Treatment Facility | |
| Oceanside Desalter Phase I | |
| Oceanside Desalter Phase I and II | |
| Pomona Well # 37 | |
| San Juan Desalter | |
| Tapo Canyon Water Treatment Plant | |
| Temescal Basin Desalting Facility | |
| Tustin Desalter | |
| West Basin Desalter No. 1 | |
| **Other 5-year Supply Plan Local Projects** | |
| **Conservation Projects** | **$19,768,500** |
| Regionwide Residential | |
| Regionwide Commercial | |
| Member Agency | |
| Water Savings Performance Program | |
| Enhanced Conservation Program | |
| Agriculture Conservation | |
| **Total** | **$59,059,631** |

**TABLE 3**

**CONVEYANCE AND DISTRIBUTION SYSTEM BENEFITS**

**Description**

***Conveyance and Aqueduct Facilities***

ALL PUMPING PLANTS - 230 KV & 69 KV DISCONNECTS REPLACEMENT
ACCESS STRUCTURE, TRANSITION STRUCTURE AND MANHOLE COVER 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
BACHELOR MOUNTAIN COMMUNICATION SITE ACQUISITION
BACHELOR MOUNTAIN TELECOM SITE IMPROVEMENTS
BANK TRANSFORMERS REPLACEMENT STUDY
BLACK METAL MOUNTAIN - COMMUNICATIONS FACILITY UPGRADE
BOX SPRINGS FEEDER REHAB PHASE III
BUDGET ADJUSTMENT
CABAZON RADIAL GATE FACILITY IMPROVEMENTS
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
CONTROL SYSTEM DRAWING UPGRADE STUDY (PHASE 1) - STUDY
COPPER BASIN AND GENE DAM OUTLET WORKS REHABILITATION (STUDY & DESIGN)
COPPER BASIN INTERIM CHLORINATION SYSTEM
COPPER BASIN OUTLET GATES RELIABILITY
COPPER BASIN OUTLET, AND COPPER BASIN & GENE WASH DAM SLUICEWAYS REHABILITATION

**TABLE 3**

**CONVEYANCE AND DISTRIBUTION SYSTEM BENEFITS**

**Description**

***Conveyance and Aqueduct Facilities (continued)***

COPPER BASIN POWER & PHONE LINES 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 SLUICEWAYS REHABILITATION
CRA - COPPER BASIN POWER & PHONE LINES REPLACEMENT
CRA - CUT & COVER FORNAT WASH EXPOSURE STUDY
CRA - CUT AND COVER FORNAT WASH EXPOSURE STUDY
CRA - DANBYTOWER FOOTER REPLACEMENT
CRA - DESERT PUMP PLANT OIL CONTAINMENT
CRA - DESERT SEWER SYSTEM REHABILITATION
CRA - DESERT WATER TANK ACCESS & SAFETY IMPROVEMENTS
CRA - DISCHARGE CONTAINMENT PROGRAM - INVESTIGATION
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
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 - 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 - RELIABILTY 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 - TRANSFORMER OIL & CHEMICAL UNLOADING PAD CONTAINMENT

**TABLE 3**

**CONVEYANCE AND DISTRIBUTION SYSTEM BENEFITS**

**Description**

***Conveyance and Aqueduct Facilities (continued)***

CRA - TUNNELS VULNERABILITY STUDY - REPAIRS TO TUNNELS
CRA - WEST PORTAL UPGRADE - REHAB OF STILLING WELL, SLIDE GATE OPERATORS AND RADIAL GATES
CRA 2.4 KV STANDBY DIESEL ENGINE GENERATORS REPLACEMENT
CRA 230 KV & 69 KV DISCONNECTS SWITCH REPLACEMENT
CRA 230KV & 69KV PROTECTION PANEL UPGRADE
CRA ACCESS STRUCTURE, TRANSITION STRUCTURE AND MANHOLE COVERS REPLACEMENT
CRA ALL PUMPING PLANTS - FLOW METER UPGRADES
CRA AQUEDUCT BLOCKER GATE REPLACEMENT
CRA BLACK METAL COMMUNICATION SITE II UPGRADE
CRA CANAL CRACK REHAB AND EVALUATION
CRA CANAL CRACK REHABILITATION
CRA CIRCULATING WATER SYSTEM STRAINER REPLACEMENT
CRA CONVEYANCE RELIABILITY PROGRAM (CCRP) - BLOW-OFF REPAIR
CRA CONVEYANCE RELIABILITY PROGRAM PART 1 & PART 2
CRA COPPER BASIN OUTLET GATES RELIABILITY STUDY
CRA DESERT AIRFIELDS IMPROVEMENT
CRA DISCHARGE CONTAINMENT PROGRAM - CONTINGENCY
CRA DISCHARGE CONTAINMENT PROGRAM - GENE & IRON DRAIN SYSTEMS
CRA DISCHARGE CONTAINMENT PROGRAM - INVESTIGATION
CRA DISCHARGE CONTAINMENT PROGRAM - OIL & CHEMICAL UNLOADING PAD CONTAINMENT
CRA ELECTRICAL / POWER SYSTEM RELIABILITY PROGRAM (CEPSRP)
CRA ENERGY EFFICIENCY IMPROVEMENTS
CRA GENE PUMPING PLANT HEAVY EQUIPMENT SERVICE PIT
CRA GENE STORAGE WAREHOUSE REPLACEMENT
CRA HINDS PUMPING PLANT - WASH AREA UPGRADE
CRA INTAKE PPLANT - POWER & COMMUNICATION LINE REPLACEMENT
CRA IRON GARAGE HEAVY EQUIPMENT SERVICE PIT REPLACEMENT
CRA IRON HOUSING REPLACEMENT
CRA MAIN PUMP MOTOR EXCITERS ASSESSMENT
CRA MAIN PUMP STUDY
CRA MILE 12 POWER LINE & FLOW MONITORING EQUIP. STUDY
CRA PUMP PLANT FLOW METER UPGRADE
CRA PUMP PLANT SUMP PIPING REPLACEMENT STUDY
CRA PUMP WELLS CONVERSION AND BLOW-OFF REPAIR
CRA PUMPING PLANT RELIABILITY PROGRAM - HIGH PRESSURE COMPRESSOR REPLACEMENT
CRA PUMPING PLANT RELIABILITY PROGRAM - SUCTION & DISCHARGE LINES EXPANSION JOINT STUDY
CRA PUMPING PLANTS SWITCH HOUSE FAULT CURRENT PROTECTION
CRA PUMPING PLANTS VULNERABILITY ASSESSMENT
CRA PUMPING WELL CONVERSION
CRA QUAGGA MUSSEL BARRIERS
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 RELIABILTY PHASE II - PUMPING PLANT SWITCH HOUSE FAULT CURRENT PROTECTION
CRA SAND TRAP EQUIPMENT UPGRADES
CRA SEISMIC EVALUATION - SWITCH HOUSE AND PUMP ANCHORAGE
CRA SERVICE CONNECTION DWCV-2T VALVES REPLACEMENT AND STRUCTURE CONSTRUCTION
CRA SERVICE CONNECTION DWCV-4 VALVES REPLACEMENT
CRA SIPHON REHAB

**TABLE 3**

**CONVEYANCE AND DISTRIBUTION SYSTEM BENEFITS**

**Description**

***Conveyance and Aqueduct Facilities (continued)***

CRA SIPHONS, TRANSITIONS, CANALS, AND TUNNELS REHABILITATION AND IMPROVEMENTS
DAM SLUICEWAYS AND OUTLETS REHABILITATION
DANBY TOWER FOOTER REPLACEMENT
DESERT FACILITIES FIRE PROTECTION SYSTEMS UPGRADE
DESERT LAND ACQUISITIONS
DESERT PUMP PLANT OIL CONTAINMENT
DESERT ROADWAY IMPROVEMENT
DESERT SEPTIC SYSTEM
DESERT SEWER SYSTEM REHABILITATION
DESERT WATER TANK ACCESS - FIRE WATER, CIRCULATING WATER, DOMESTIC WATER- STUDY
DISCHARGE LINE ISOLATION BULKHEAD COUPLINGS
DISTRIBUTION SYSTEM FACILITIES - REHABILITATION PROGRAM
DISTRIBUTION SYSTEM FACILITIES REHABILITATION PROGRAM - MAINTENANCE & STORAGE SHOP (PC-1)
DISTRIBUTION SYSTEM RELIABILITY PROGRAM - PHASE 2
DVL INLET / OUTLET TOWER FISH SCREENS REPLACEMENT
DVL TO SKINNER TRANSMISSION LINE STUDY
E. THORNTON IBBETSON GUEST QUARTERS
EAGLE AND HINDS EQUIPMENT WASH AREA UPGRADE
EAGLE KITCHEN UPGRADE
EAGLE MOUNTAIN PUMPING PLANT SCADA SYSTEM
EAGLE MOUNTAIN SAND TRAPS STUDY
EAGLE MOUNTAIN SIPHONS SEISMIC VULNERABILITY STUDY
EAGLE MTN SAND TRAPS STUDY
EAGLE ROCK ASPHALT REPAIR PROJECT
EAGLE ROCK MAIN ROOF REPLACEMENT
ENHANCED VAPOR RECOVERY UPGRADES FOR GASOLINE DISPENSERS
ENVIRONMENTAL MITIGATION
ETIWANDA PIPELINE LINER REPAIR
ETIWANDA RESERVOIR LINER REPAIR
FUTURE SYSTEM RELIABILITY PROJECTS
GARVEY RESERVOIR - AUTOMATED DATA ACQUISITION SYSTEM
GARVEY RESEVOIR AUTOMATED DATA ACQUISITON SYSTEM REPLACEMENT
GENE & INTAKE P.P. - FREQUENCY PROTECTION RELAY REPLACEMENT
GENE & INTAKE PUMPING PLANTS - REPLACE UNDER FREQUENCY PROTECTION RELAY
GENE AIR CONDITION
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 MAIN TRANSFORMER AREA
GENE STORAGE BUILDING REPLACEMENT
GENE STORAGE WAREHOUSE REPLACEMENT
HEADGATE OPERATORS & CIRCUIT BREAKERS REHAB.
HIGHLAND PIPELINE CONSTRUCTION
HINDS PUMPING PLANT SCADA SYSTEM
INLAND FDR, ARROWHEAD TUNNELS REDESIGN
INLAND FDR, ARROWHEAD WEST TUNNEL CONSTRUCTION
INLAND FDR, CONTRACT 9, CONSTRUCTION OF RIVERSIDE PPLN SOUTH
INLAND FDR, REACH 4, RUSD PPLN
INLAND FDR-CNTR #1/DEVIL CYN-WATERMAN RD

**TABLE 3**

**CONVEYANCE AND DISTRIBUTION SYSTEM BENEFITS**

**Description**

***Conveyance and Aqueduct Facilities (continued)***

INLAND FDR-CNTR #4-SOFT GRND TNL/SANTA ANA
INLAND FDR-CONT #8-PIPEL PARALLEL TO DAVIS RD
INLAND FEEDER CONTINGENCY
INLAND FEEDER COST OF LAND AND RIGHT OF WAY
INLAND FEEDER ENVIRONMENTAL MITIGATION
INLAND FEEDER GROUNDWATER MONITORING
INLAND FEEDER HIGHLAND PIPELINE CLAIMS COST
INLAND FEEDER HIGHLAND PIPELINE CONSTRUCTION
INLAND FEEDER HIGHLAND PIPELINE DESIGN
INLAND FEEDER MENTONE PIPELINE CONSTRUCTION
INLAND FEEDER MENTONE PIPELINE DESIGN
INLAND FEEDER MENTONE PIPELINE RUSD CONSTRUCTION
INLAND FEEDER OWNER CONTROLLED INSURANCE PROGRAM
INLAND FEEDER PROGRAM REMAINING BUDGET/CONTINGENCY
INLAND FEEDER PROJECT MANAGEMENT SUPPORT
INLAND FEEDER PURCHASE OF LAND AND RIGHT OF WAY
INLAND FEEDER RAISE BURIED STRUCTURES AND REALIGN DAVIS RD.
INLAND FEEDER REVERSE OSMOSIS PLANT
INLAND FEEDER RIVERSIDE BADLANDS TUNNEL CONSTRUCTION
INLAND FEEDER RIVERSIDE NORTH PIPELINE DESIGN
INLAND FEEDER RUSD CLAIMS DEFENSE
INLAND FEEDER STUDIES
INLAND FEEDER UNDERGROUND STORAGE TANK REMOVAL & ABOVEGROUND STORAGE TANK INSTALLATION
INLAND FEEDER, ARROWHEAD EAST TUNNEL
INLAND FEEDER, ARROWHEAD TUNNELS CONSTRUCTION
INLAND FEEDER, CONTRACT #5, OPAL AVENUE PORTAL / BADLANDS TUNNEL
INLAND FEEDER, CONTRACT #7, RIVERSIDE NORTH PIPELINE CONSTRUCTION
INSULATION JOINT TEST STATIONS
INTAKE PPLANT - POWER & COMMUNICATION LINE REPLACEMENT
INTAKE PUMPING PLANT - COOLING AND REJECT WATER DISCHARGE TO LAKE HAVASU
INTAKE PUMPING PLANT AUTOMATION PROGRAMMING
INTAKE PUMPING PLANT INSTRUMENTATION REPLACEMENT
INTAKE PUMPING PLANT INSTRUMENTATION REPLACEMENT & AUTOMATION
INTAKE PUMPING PLANT INSTRUMENTATION REPLACEMENT & AUTOMATION (4 PLANTS)
INTAKE PUMPING PLANT POWER & COMMUNICATION LINE REPLACEMENT
INTAKE PUMPING PLANT SCADA SYSTEM
IRON MOUNTAIN PUMPING PLANT
IRON MOUNTAIN PUMPING PLANT SCADA SYSTEM
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
LAVERNE FACILITIES - EMERGENCY GENERATOR
LAVERNE FACILITIES - MATERIAL TESTING
LOWER FEEDER EROSION PROTECTION
MAGAZINE CANYON - VALVE REPLACEMENT FOR SAN FERNADO TUNNEL (STATION 778+80)

**TABLE 3**

**CONVEYANCE AND DISTRIBUTION SYSTEM BENEFITS**

| Description |
|---|
| ***Conveyance and Aqueduct Facilities (continued)*** |
| MAGAZINE CANYON OIL/WATER SEPARATOR |
| MAPES LAND ACQUISTION |
| MENTONE PPLN, RUSD, DEFENSE OF CLAIM |
| MILE 12 POWER LINE & FLOW MONITORING EQUIPMENT STUDY |
| MILLS PLANT SUPPLY PUMP STATION STUDY |
| 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 |
| OWNER CONTROLLED INSURANCE PROGRAM |
| PALO VERDE VALLEY LAND PURCHASE - 16,000 ACRES |
| PALOS VERDES FEEDER REHABILITATION OF DOMINGUEZ CHANNEL |
| PALOS VERDES RESERVOIR SPILLWAY MODIFICATION |
| PROJECT MANAGEMENT SUPPORT |
| PUDDINGSTONE RADIAL GATE REHABILITATION |
| PURCHASE OF LAND AND RIGHT OF WAY |
| QUAGGA MUSSEL STUDY |
| REPAIR UPPER FEEDER LEAKING EXPANDSION JOINT |
| REPAIRS TO TUNNELS |
| RIALTO FEEDER REPAIR @ STA. 3662+23 |
| RIALTO FEEDER REPAIR OF ANOMALOUS PIPE SECTION |
| RIVERSIDE BADLANDS TUNNEL CONSTRUCTION |
| RIVERSIDE BRANCH - ALESSANDRO BLVD. LEFT LAND TURN LANE |
| RIVERSIDE BRANCH - CONSTRUCTION OF CONTROL PANEL DISPLAY WALL |
| RIVERSIDE NORTH PIPELINE DESIGN & CONSTRUCTION |
| RIVERSIDE SOUTH PIPELINE CONSTRUCTION |
| SAN DIEGO PIPELINE REPAIR AT STATION 1268+57 |
| SAN FERNANDO TUNNEL STATION 778+80 VALVE REPLACEMENT |
| SAN GABRIEL TOWER SEISMIC ASSESSMENT |
| SAN GABRIEL TOWER SLIDE GATE REHABILITATION |
| SAN JACINTO TUNNEL, 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 CARBON FIBER REPAIRS |
| SECOND LOWER FEEDER STRAY CURRENT MITIGATION SYSTEMS REFURBISHMENT |
| SECURITY FENCING AT OC-88 PUMPING PLANT |

**TABLE 3**

**CONVEYANCE AND DISTRIBUTION SYSTEM BENEFITS**

| Description | |
|---|---|
| ***Conveyance and Aqueduct Facilities (continued)*** | |
| 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 | |
| SKINNER FILTRATION PLANT HELIPAD UPGRADE | |
| 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 EXPANDSION JOINT REPAIR | |
| UPPER FEEDER SCHEDULES 2S | |
| VALLEY BRANCH - PIPELINE CORROSION TEST STATION | |
| WEST VALLEY FEEDER #2 CATHODIC PROTECTION SYSTEM REHABILITATION | |
| WEYMOUTH WATER TREATMENT PLANT - NORTH PERIMETER WALL | |
| WHITE WATER SIPHON PROTECTION | |
| WHITEWATER SIPHON PROTECTION STRUCTURE | |
| ***Sub-total Conveyance and Aqueduct facilities benefits*** | **$ 67,013,111** |

**TABLE 3**

**CONVEYANCE AND DISTRIBUTION SYSTEM BENEFITS**

**Description**

***Distribution Facilities***

42" CONICAL PLUG VALVE REPLACEMENT
ACCUSONIC FLOW METER UPGRADE
ALAMEDA CORRIDOR PIPELINE
ALL FACILITIES - WATER DISCHARGE ELIMINATION
ALL FACILITIES INSPECTION AND REPLACEMENT OF CRITICAL VACUUM VALVES
ALL PUMPING PLANTS - INSTALL HYPOCHLORINATION STATIONS
ALLEN MCCOLLOCH PIPELINE INTERCONNECTIONS
ALLEN MCCOLLOCH PIPELINE LOCAL CONTROL MODIFICATIONS
ALLEN MCCOLLOCH PIPELINE REPAIR
ALLEN MCCOLLOCH PIPELINE REPAIR - CARBON FIBER LINING REPAIR
ALLEN MCCOLLOCH PIPELINE REPAIR - SERVICE CONNECTIONS UPGRADES
ALLEN MCCOLLOCH PIPELINE REPAIR - STATION 276+63
ALLEN MCCOLLOCH PIPELINE REPAIR - SURGE SUPPRESSION SYSTEM AT OC88A
ALLEN MCCOLLOCH PIPELINE REPAIR - VALVE ACTUATOR REPLACEMENTS
ALLEN MCCOLLOCH PIPELINE REPAIR SERVICE CONNECTIONS SIMPLIFICATION
ALLEN MCCOLLOCH PIPELINE STRUCTURE - ROOF SLAB REPAIRS
ALLEN-MCCOLLOCH CORROSION/INTERFERENCE MITIGATION, STATION 719+34 TO 1178+02
ALLEN-MCCOLLOCH PIPELINE
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
ARROW HIGHWAY PROPERTY DEVELOPMENT
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
BLACK METAL MOUNTAIN ELECTRICAL TRANSFORMER
BOX SPRINGS FEEDER BROKEN BACK REPAIR
BOX SPRINGS FEEDER BROKEN BACK REPAIR PHASE I
BOX SPRINGS FEEDER REPAIR - PHASE II
BOX SPRINGS FEEDER REPAIRS PHASE 3 AND PHASE 4
BUDGET ADJUSTMENT
C&D CRANE INSTALLATION AT OC-88 PUMPING PLANT
CALABASAS FEEDER CARBON FIBER /BROKEN BACK REPAIR
CALABASAS FEEDER INTERFERENCE MITIGATION
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
CASA LOMA AND SAN DIEGO CANAL LINING STUDY - PART 2

**TABLE 3**

**CONVEYANCE AND DISTRIBUTION SYSTEM BENEFITS**

**Description**

***Distribution Facilities (continued)***

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 AND WATER QUALITY PROJECT (CPAWQP)
CHEMICAL INVENTORY AND USAGE REWRITE AND ELECTRICAL. SYSTEM LOG
CHEMICAL UNLOADING FACILITY RETROFIT
CHEVALIER FALCON MILLING MACHINE
COASTAL JUNCTION REVERSE FLOW BYPASS
COMMUNICATIONS STRUCTURE ALARM MONITORING
COMPREHENSIVE INFORMATION SECURITY ASSESSMENT PHASE III
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 REHABILITATION PROGRAM (CDSRP) - CURRENT DRAIN STATIONS
COPPER BASIN ICS
COPPER BASIN SEWER SYSTEM
CORONA POWER PLANT REPLACE EMERGENCY GENERATOR
CORROSION MATERIALS TESTING FACILITY SCADA UPGRADE
COVINA PRESSURECONTROL FACILITY
COYOTE CREEK NORTHERN PERIMETER LANDSCAPING
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
CPA WATER TREATMENT PLANT - STUDY
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
CROSS CONNECTION PREVENTION PROGRAM - PHASE II CONSTRUCTION
CROSS CONNECTION PREVENTION PROJECT, COMPLETE PRELIMINARY DESIGN AND CEQA DOCUMENTATION
CSEP - ELECTRONIC SYSTEM LOG (ESL)
CSEP - ENERGY MANAGEMENT SYSTEM PHASE II
CSEP - ENHANCED DISTRIBUTION SYSTEM CONTROL PROJECT

**TABLE 3**

**CONVEYANCE AND DISTRIBUTION SYSTEM BENEFITS**

**Description**

***Distribution Facilities (continued)***

CSEP - IMPLEMENTATION
CSEP - OPERATIONS & BUSINESS DATA INTEGRATION PILOT
CSEP - PLANT INFLUENT REDUNDANT FLOW METERING AND SPLITTING
CSEP - PLC PHASE 2 - LIFE-CYCLE REPLACEMENT
CSEP - PLC STANDARDIZATION
CSEP - PLC STANDARDIZATION PHASE II
CSEP - POWER MANAGEMENT SYSTEM
CSEP - WATER PLANNING APPLICATION
CSEP IMPLEMENTATION
CSEP- SMART OPS (FORMERLY REAL TIME OPERATIONS SIMULATION)
CURRENT DRAIN STATIONS
DAM REHABILITATION & SAFETY IMPROVEMENTS ST. JOHN'S CANYON CHANNEL EROSION MITIGATION
DANBY TOWER FOUNDATION INVESTIGATION AND SHORT TERM MITIGATION
DEODERA PCS PAVEMENT UPGRADE & BETTERMENT
DESERT BRANCH - REPLACE STOLEN COPPER GROUND WIRE FOOTINGS/GROUNDING, AND COPPER PIPING
DESERT BRANCH PUMP PLANT AUXILIARY (STATION SERVICE)
DESERT BRANCH, PURCHASE & INSTALL 5 PORT VIDEO CONFERENCING
DESERT FACILITIES DOMESTIC WATER GAC SYSTEM INSTALLATION
DESERT HIGH VOLTAGE TRANSMISSION TOWERS - REPLACE COPPER GROUND WIRES ON
DETAIL SEISMIC EVALUATION OF WATER STORAGE TANK
DFP - ELIMINATE BACKUP GENERATOR TIE-BUS & INSTALL MANUAL TRANSFER SWITCH FOR CHLORINE SCRUBBER
DIEMER - ON-LINE SPECIFIC GRAVITY ANALYZERS FOR SULFURIC ACID AND FLUOROSILICIC ACID
DIEMER - USED WASHWATER RETURN PUMP CHECK VALVES UPGRADE
DIEMER AREA & PLANT - REPLACEMENT OF AREA CONTROL SYSTEMS
DIEMER FILTRATION PLANT - AIR COMPRESSORS REPLACEMENT
DIEMER FILTRATION PLANT - ASPHALT
DIEMER FILTRATION PLANT - ASPHALT ROAD REPAIRS
DIEMER FILTRATION PLANT - EMERGENCY POWER FEED
DIEMER FILTRATION PLANT - NORTH STORM DRAIN REPLACEMENT
DIEMER FILTRATION PLANT - ON-LINE TURBIDITY
DIEMER FILTRATION PLANT - SLOPE REPAIR
DISCHARGE ELIMINATION
DIST SYS-AIR RELEASE & VAC VALVE MODS
DISTRIBUTION SYSTEM - STANDPIPE STRENGTHENING PROGRAM
DISTRIBUTION SYSTEM - STATIONARY CORROSION REFERENCE
DISTRIBUTION SYSTEM - TREATED WATER CROSS CONNECTION PREVENTION PROJECT - FINAL DESIGN & CONSTRUCTION
DISTRIBUTION SYSTEM CONTROL & EQUIP UPGRADE - ENHANCED DISTRIB. SYSTEM AUTOMATION PHASE I
DISTRIBUTION SYSTEM EQUIPMENT & INSTRUMENTATION UPGRADES
DISTRIBUTION SYSTEM REHABILITATION PROGRAM - ASSESS THE STATE OF MWD'S DISTRIBUTION SYSTEM
DISTRIBUTION SYSTEM REPLACEMENT OF AREA CONTROL SYSTEMS - WILLOWGLEN RTUS ADMINISTRATION
DISTRIBUTION SYSTEM REPLACEMENT OF AREA CONTROL SYSTEMS (DSRACS)
DISTRICT WIDE - ENHANCED VAPOR RECOVERY PHASE 2 GASOLINE DISPENSING
DSRACS - OPERATIONS CONTROL CENTER - CONTRACT #1396
DSRACS - SKINNER AREA
DSRACS - SOFTWARE DEVELOPMENT COST
DSRACS - WEYMOUTH
DVL & CONTROL SYSTEM REPLACEMENT INVESTIGATION & PREPARATION FOR PRELIMINARY DESIGN
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

**TABLE 3**

**CONVEYANCE AND DISTRIBUTION SYSTEM BENEFITS**

| Description |
|---|
| ***Distribution Facilities (continued)*** |
| 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 SLIDEGATE REHABILITATION |
| EAST INFLUENT CHANNEL REPAIR PROJECT |
| EAST ORANGE COUNTY FEEDER #2 REPAIR |
| EASTERN AND DESERT REGIONS PLUMBING RETROFIT |
| E-DISCOVERY STORAGE MANAGEMENT SYSTEM UPGRADE |
| ELECTRIC CURRENT DRAIN STATION INSTALLATIONS |
| ELECTRONIC SYSTEM LOG (ESL) |
| ENERGY MANAGEMENT SYSTEM - PHASE 2 |
| ENHANCED DISTRIBUTION SYSTEM AUTOMATION PHASE I |
| ENHANCED DISTRIBUTION SYSTEM AUTOMATION PHASE II |
| EQUIPMENT UPGRADE AT THE NORTH PORTAL OF THE HOLLYWOOD TUNNEL |
| ETIWANDA / RIALTO PIPELINE INTER-TIE CATHODIC PROTECTION |
| ETIWANDA CAVITATION TEST FACILITY COMMUNICATION AND CONTROL SYSTEM REPLACEMENT |
| ETIWANDA HEP NEEDLE VALVE OPERATORS |
| 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 RESERVOIR - EXTEND OUTLET STRUCTURE |
| FACILITY AND PROCESS RELIABILITY ASSESSMENT |
| FILTER ISOLATION GATE AND BACKWASH CONTROL WEIR COVERS MODULES 1- 6 |
| FLOWMETER MODIFICATION - LAKE SKINNER INLET, ETIWANDA EFFLUENT & WADSWORTH CROSS CHANNEL |
| FOOTHILL FEEDER ADEN AVE. REHABILITATION |
| FOOTHILL FEEDER CARBON FIBER REPAIR |
| FOOTHILL FEEDER CATHODIC PROTECTION |
| FOOTHILL FEEDER PIPELINE REPLACEMENT PROJECT |
| FOOTHILL FEEDER POWER PLANT EXPANSION |
| FOOTHILL FEEDER REPAIR @ SANTA CLARITA RIVER |
| FOOTHILL FEEDER, CARBON FIBER REPAIRS |
| FOOTHILL HYDROELECTRIC RUNNER REPLACEMENT |
| FOOTHILL PCS - UNINTERRUPTIBLE POWER SOURCE SYSTEMS INSTALLATION |
| FOOTHILL PCS FLOOD PUMP INSTALLATION DESIGN DOCUMENTATION |
| FOOTHILL PCS INTERNAL VALVE LINERS UPGRADE |
| FUTURE SYSTEM RELIABILITY PROGRAM |
| GARVEY RESERVOIR - HYPOCHLORITE FEED SYSTEM |
| GARVEY RESERVOIR - INSTALL HYPOCHLORINATION STATIONS |
| GARVEY RESERVOIR - LOWER ACCESS PAVING ROAD & DRAINS |
| GARVEY RESERVOIR HYPOCLORITE FEED SYSTEM |
| GENE & IRON POOLS |
| GENE AIR CONDITIONING SYSTEM REPLACEMENT |
| GENE MESS HALL AIR CONDITIONING UNIT |

**TABLE 3**

**CONVEYANCE AND DISTRIBUTION SYSTEM BENEFITS**

**Description**

***Distribution Facilities (continued)***

GENE SPARE PARTS WAREHOUSE IMPROVEMENTS
GLENDALE 01 SERVICE CONNECTION REHAB
GREG AVE PCS FACILITY REHABILITATION
GREG AVENUE CONTROL STRUCTURE VALVE REPLACEMENT
GREG AVENUE PCS CONTROL BUILDING INTERIOR REHABILITATION
HINDS GARAGE ASBESTOS SHEETING REPLACEMENT
HYDROELECTRIC PLANT CARBON DIOXIDE (CO2) FIRE SUPPRESSION SYSTEM MODIFICATIONS
IAS PROJECTS - CPA
IAS PROJECTS - DVL-SKINNER
IAS PROJECTS - MILLS SUPPLY RELIABILITY
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 FILTRATION PLANT - EJECTOR NOISE ABATEMENT
JENSEN FILTRATION PLANT - FIRE SYSTEM FOR NAOCI SYSTEM
JENSEN FILTRATION PLANT - FIRE WATER LOOP PRESSURE UPGRADE
JENSEN FILTRATION PLANT - ICC ASBESTOS ABATEMENT
JENSEN FILTRATION PLANT - INSTALL INFLUENT SCUPPER GATES
JENSEN FILTRATION PLANT - MODIFICATIONS AT WASHWATER INTERCONNECTION
JENSEN FILTRATION PLANT - PRESSURE INDICATION AT COOLING WATER PUMPS
JENSEN FILTRATION PLANT - REPLACE ADMINISTRATION BUILDING AIR CONDITIONING
JENSEN FILTRATION PLANT - ROAD RECONSTRUCTION
JENSEN FILTRATION PLANT - SANDBLASTING BOOTH PURCHASE & INSTALLATION
JENSEN FILTRATION PLANT - TRAVELING BRIDGE RETROFIT MODULE 2 & 3
LA VERNE FACILITIES - BRIDGEPORT E-2-PATH
LA VERNE FACILITIES - ENERGY CONSERVATION ECM1 - 10
LA VERNE FACILITIES - EXPANSION OF THE SANITARY SEWER
LA VERNE FACILITIES - HAZARDOUS WASTE STORAGE
LA VERNE FACILITIES - MAIN TRANSFORMERS REPLACEMENT
LA VERNE FACILITIES - MATERIALS TESTING LABORATORY
LA VERNE FACILITIES - REPLACEMENT OF FLOCCULATOR STUB SHAFT - BASINS 1 & 2
LA VERNE MACHINE SHOP - AIR CONDITIONING UNIT REPLACEMENT
LA VERNE MACHINE SHOP - REPAIR HORIZONTAL BORING MILL
LA-35 DISCHARGE STRUCTURE REPAIRS
LAKE MATHEWS - CONSTRUCTION OF BACKUP COMPUTER FACILITIES
LAKE MATHEWS - DIVERSION TUNNEL WALKWAY REPAIR
LAKE MATHEWS - FACILITY WIDE EMERGENCY WARNING AND PAGING SYSTEM
LAKE MATHEWS - FOREBAY MCC ROOF IMPROVEMENT
LAKE MATHEWS - MAIN DAM TOE SEEPAGE COLLECTION
LAKE MATHEWS - MULTIPLE SPECIES MANAGER'S OFFICE & RESIDENCE
LAKE MATHEWS - RENOVATION OF BLDGS. 8 & 15, GENERAL ASSEMBLY & ADMIN. BLDG. OFFICE AREAS
LAKE MATHEWS - RETROFIT LOWER ENTRANCE GATE SWING ARM
LAKE MATHEWS FOREBAY MCC ROOF IMPROVEMENT
LAKE MATHEWS MAIN DAM TOE SEEPAGE COLLECTION
LAKE MATHEWS RETROFIT LOWER ENTRANCE GATE SWING ARM
LAKE PERRIS BYPASS PIPELINE EXPLORATION

**TABLE 3**

**CONVEYANCE AND DISTRIBUTION SYSTEM BENEFITS**

**Description**

***Distribution Facilities (continued)***

LAKE PERRIS EMERGENCY STANDBY GENERATOR AND TRANSFER SWITCH REPLACEMENT
LAKE SKINNER - AERATOR AIR COMPRESSOR REPLACEMENT
LAKE SKINNER - OUTLET TOWER VALVE REHABILITATION
LAKE SKINNER - REPLACEMENT AERATOR RING
LAKE SKINNER AERATOR AIR COMPRESSOR REPLACEMENT
LAKE SKINNER DAM ROAD REHAB
LAKE SKINNER EAST BYPASS SCREENING STRUCTURES
LAKE SKINNER WEST BYPASS SCREENING STRUCTURE
LAKEVIEW PIPELINE - REPLACE VACUUM/AIR RELEASE
LAKEVIEW PIPELINE CATHODIC PROTECTION SYSTEM
LOWER FEEDER - CATHODIC PROTECTION
LOWER FEEDER WR 33 - AREA REPAIR AND REMEDIATION
MAGAZINE CANYON CANOPY
MAGAZINE CANYON-ISOLATION GATE JACKING FRAME
MAPES LAND ACQUISTION
MICROWAVE COMMUNICATION SITES BUILDING UPGRADE
MIDDLE CROSS FEEDER CATHODIC PROTECTION
MIDDLE FEEDER - CATHODIC PROTECTION SYSTEMS
MIDDLE FEEDER - NORTH CATHODIC PROTECTION SYSTEM
MIDDLE FEEDER NORTH CATHODIC PROTECTION SYSTEM
MILLS COMBINED FILTER EFFLUENT MIXING BAFFLE WALL RETROFIT
MILLS FILTRATION PLANT - INFLUENT CONTROL STRUCTURE LADDER UPGRADE
MILLS FILTRATION PLANT - INVESTIGATION TO RELOCATE ACCESS ROAD
MILLS FILTRATION PLANT - MAINTENANCE CENTER BACKUP GENERATOR RELOCATION
MILLS FILTRATION PLANT - REPLACEMENT OF AREA CONTROL SYSTEMS
MINOR CAP 08/09 PLACEHOLDER
MINOR CAPITAL PROJECTS PROGRAM 07/08 - REMAINING FUNDS
MOUNT OLYMPUS TUNNEL COST RIGHT-OF-WAY (ROW)
MWD ROAD GUARDRAIL
NITROGEN STORAGE STUDY
NORTH PORTAL OF HOLLYWOOD TUNNEL
NORTH REACH CONSTRUCTION / INSPECTION / CM
NORTH REACH CONSTRUCTION/ASBUILT
NORTH REACH ENVIRONMENTAL - CONSTRUCTION
NORTH REACH FINAL DESIGN & ADV/NTP
NORTH REACH POST DESIGN / ASBUILT
NORTH REACH PROGRAM MANAGEMENT - CONSTRUCTION
NORTHERN PIPELINE ENVIRONMENTAL FINAL DESIGN
NORTHERN PIPELINE RIGHT OF WAY FINAL DESIGN
OAK ST. PCS ROOF REPLACEMENT
OC 44 SERVICE CONNECTIONS & EOC#2 METER ACCESS ROAD REHAB
OC FEEDER STA 1920+78 BLOWOFF STRUCTURE & RIP-RAP REPAIRS
OC RESERVOIR SODIUM HYPOCHLORITE PUMP AND PIPING REPLACEMENT
OC-71 FLOW CONTROL FACILITY
OC-88 - SECURITY FENCING AT PUMP PLANT
OC-88 EMERGENCY STANDBY GENERATOR UPGRADE STUDY
OC-88 PUMP PLANT AIR COMPRESSOR UPGRADE
OLINDA PRESSURE CONTROL STRUCTURE
ON-CALL RESOURCES MANAGEMENT APPLICATION
OPERATIONS CONTROL CENTER AT EAGLE ROCK

**TABLE 3**

**CONVEYANCE AND DISTRIBUTION SYSTEM BENEFITS**

**Description**

***Distribution Facilities (continued)***

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 FEEDER EXTENSION LINING REPAIR
ORANGE COUNTY FEEDER INSPECTION
ORANGE COUNTY FEEDER INTERNAL INSPECTION STUDY
ORANGE COUNTY FEEDER PRESSURE CONTROL STRUCTURES
ORANGE COUNTY FEEDER SCHEDULE 37SC CATHODIC PROTECTION
ORANGE COUNTY FEEDER STA 1920+78 BLOWOFF STRUCTURE & RIP-RAP REPAIRS
ORANGE COUNTY RESERVOIR - INSTALL HYPOCHLORINATION STATIONS
ORANGE COUNTY RESERVOIR - PIEZOMETERS & SEEPAGE MONITORING AUTOMATION
OXIDATION DEMONSTRATION PLANT CONTROL SYSTEM REPLACEMENT
PALOS ALTOS FEEDER - 108TH ST.
PALOS VERDES FEEDER PCS - VALVE REPLACEMENT
PALOS VERDES RESERVOIR - INSTALL HYPOCHLORINATION STATIONS
PC-1 EFFLUENT OPEN CHANNEL TRASH RACK
PC-1 EFFLUENT OPEN CHANNEL TRASH RACK PROJECT
PERIMETER FENCING AT PLACERITA CREEK
PERMANENT LEAK DETECTION/PIPELINE MONITORING SYSTEM
PERRIS PCS - UNINTERRUPTIBLE POWER SOURCE SYSTEMS INSTALLATION
PERRIS PCS ROOF REHAB
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 - 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
PLC REPLACEMENT PHASE II
PRESTRESSED CONCRETE CYLINDER PIPE - PHASE 2
PRESTRESSED CONCRETE CYLINDER PIPE -PHASE 3
PROGRAMMABLE LOGIC CONTROLLER (PLC) STANDARDIZATION
PUDDINGSTONE SPILLWAY CROSS CONNECTION
PV RESERVOIR HYPOCHLORITE PUMP AND PIPING REPLACEMENT
RED MOUNTAIN - OCT. 2007 FIRE DAMAGE - COMMUNICATION POWER TOWERS & METER STR
RED MOUNTAIN HEP FLOOD DAMAGE
RED MTN COMM. TOWER & METER STRUCTURE
REHABILITATION OF THE GREG AVE PCS CONTROL BUILDING INTERIOR
RELOCATION OF ORANGE COUNTY FEEDER

**TABLE 3**

**CONVEYANCE AND DISTRIBUTION SYSTEM BENEFITS**

**Description**

***Distribution Facilities (continued)***

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
RIALTO FEEDER BROKEN BACK REPAIR
RIALTO FEEDER VALVE STRUCTURE
RIALTO FEEDER, REPAIRS AT SELECT LOCATIONS, STUDY
RIALTO PIPELINE - CONSTRUCTION PHASE 1
RIALTO PIPELINE - CONSTRUCTION PHASE 2
RIALTO PIPELINE IMPROVEMENTS
RIALTO PIPELINE IMPROVEMENTS - CONSTRUCTION
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 REPAIR @ STA 3196+44
RIALTO PIPELINE REPAIR AT THOMPSON CREEK
RIALTO PIPELINE REPAIRS AT STATION 3198+44
RIALTO PIPELINE VALVE PROCUREMENT
ROBERT B. DIEMER FILTRATION PLANT - LAND ACQUISITION
ROOF REPLACEMENT AT SOTO ST. FACILITY
SAN DIEGO CANAL - EAST & WEST BYPASS SCREENING STRUCTURES STUDY
SAN DIEGO CANAL - ELECTRICAL VAULT & CONDUCTOR REPLACEMENT
SAN DIEGO CANAL - FENCING
SAN DIEGO CANAL - INSTALL ACOUSTIC FLOW METER
SAN DIEGO CANAL - PIEZOMETER
SAN DIEGO CANAL - REPLACE SODIUM BISULFATE TANK
SAN DIEGO CANAL - SEEPAGE STUDY
SAN DIEGO CANAL BISULFITE TANK REPLACEMENT
SAN DIEGO CANAL LINER REPAIR
SAN DIEGO CANAL SEEPAGE STUDY
SAN DIEGO CANAL WEST BYPASS TRASH RACK
SAN DIEGO PIPELINE #4 VALVE REPLACEMENT
SAN DIEGO PIPELINE 1 BLOW-OFF VALVE REPLACEMENT
SAN DIEGO PIPELINE 3 & 5 REMOTE CONTROL OF BYPASS
SAN DIEGO PIPELINE 4 AND AULD VALLEY PIPELINE CARBON FIBER REPAIRS
SAN DIEGO PIPELINE 5 & LAKE SKINNER OUTLET REPAIR
SAN DIEGO PIPELINE 6 - PRESSURE CONTROL STRUCTURE/HYDROELECTRIC PLANT - FEASIBILITY STUDY
SAN DIEGO PIPELINE NO. 3 BYPASS
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

**TABLE 3**

**CONVEYANCE AND DISTRIBUTION SYSTEM BENEFITS**

**Description**

***Distribution Facilities (continued)***

SAN DIEGO PIPELINE NO. 6 - RIVERSIDE TUNNEL ENVIRONMENTAL PRELIMINARY DESIGN
SAN DIEGO PIPELINE NO. 6 - RIVERSIDE TUNNEL PRELIMINARY DESIGN
SAN DIEGO PIPELINE NO. 6 - RIVERSIDE TUNNEL PROGRAM MANAGEMENT
SAN DIEGO PIPELINE NO. 6 - RIVERSIDE TUNNEL RIGHT OF WAY PRELIMINARY DESIGN
SAN DIEGO PIPELINE NO. 6 - CONTRACT NO.1 SAN DIEGO CANAL TO MOUNT OLYMPUS
SAN DIEGO PIPELINE NO. 6 - CONTRACT NO.2 MOUNT OLYMPUS TUNNEL & PORTALS
SAN DIEGO PIPELINE NO. 6 - NORTH REACH CONSTRUCTION - AS BUILT
SAN DIEGO PIPELINE NO. 6 - NORTH REACH ENVIRONMENTAL - CONSTRUCTION
SAN DIEGO PIPELINE NO. 6 - NORTH REACH ENVIRONMENTAL PRELIMINARY DESIGN
SAN DIEGO PIPELINE NO. 6 - NORTH REACH FINAL DESIGN & ADV/NTP
SAN DIEGO PIPELINE NO. 6 - NORTH REACH POST DESIGN
SAN DIEGO PIPELINE NO. 6 - NORTH REACH PRELIMINARY DESIGN
SAN DIEGO PIPELINE NO. 6 - NORTH REACH PROGRAM MANAGEMENT - CONSTRUCTION
SAN DIEGO PIPELINE NO. 6 - NORTH REACH PROGRAM MANAGEMENT - DESIGN
SAN DIEGO PIPELINE NO. 6 - NORTH REACH RIGHT OF WAY FINAL DESIGN
SAN DIEGO PIPELINE NO. 6 - NORTH REACH RIGHT OF WAY PRELIMINARY DESIGN
SAN DIEGO PIPELINE NO. 6 - NORTHERN PIPELINE COST OF RIGHT OF WAY
SAN DIEGO PIPELINE NO. 6 - NORTHERN REACH ENVIRONMENTAL FINAL DESIGN
SAN DIEGO PIPELINE NO. 6 - OPERATIONS SCOPING STUDY
SAN DIEGO PIPELINE NO. 6 - PIPELINE/TUNNEL STUDY - DESIGN
SAN DIEGO PIPELINE NO. 6 - PIPELINE/TUNNEL STUDY - ENVIRONMENTAL
SAN DIEGO PIPELINE NO. 6 - PIPELINE/TUNNEL STUDY - PROJECT MANAGEMENT
SAN DIEGO PIPELINE NO. 6 - PIPELINE/TUNNEL STUDY - RIGHT OF WAY
SAN DIEGO PIPELINE NO. 6 - PROJECT MANAGEMENT
SAN DIEGO PIPELINE NO. 6 - RIGHT OF WAY
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH - PROGRAM MANAGEMENT
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH / TUNNEL STUDY
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH CONSTRUCTION / AS BUILT
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH COST OF RIGHT OF WAY
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH ENVIRONMENTAL - CONSTRUCTION
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH ENVIRONMENTAL FINAL DESIGN
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH ENVIRONMENTAL PRELIMINARY DESIGN
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH FINAL DESIGN/ADV
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH PRELIMINARY DESIGN
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH RIGHT OF WAY FINAL DESIGN
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH RIGHT OF WAY PRELIMINARY DESIGN
SAN DIEGO PIPELINE NO. 6 - SOUTH REACH TUNNEL ALIGNMENT ANALYSIS
SAN DIEGO PIPELINE NO. 6 AREA STUDY
SAN DIEGO PIPELINE NO. 6 ENVIRONMENTAL MITIGATION
SAN DIEGO PIPELINE NO.4 & AULD VALLEY PIPELINE CARBON FIBER REPAIR STUDY
SAN DIEGO PIPELINE NOS. 1AND 3 - VALVE REPLACEMENT
SAN DIMAS HEP BATTERY BANK AND GENERATOR BREAKER
SAN DIMAS PCS - UNINTERRUPTIBLE POWER SOURCE SYSTEMS INSTALLATION
SAN FRANCISQUITO PIPELINE BLOW OFF STRUCTURE, STA 287+70, ACCESS ROAD CONSTRUCTION
SAN GABRIEL TOWER SLIDE GATE REHABILITATION
SAN JACINTO #1 AND #2 CASA LOMA FAULT CROSSING STRUCTURE UPGRADE
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 SEISMIC RETROFIT

**TABLE 3**

**CONVEYANCE AND DISTRIBUTION SYSTEM BENEFITS**

**Description**

***Distribution Facilities (continued)***

SANTA MONICA FEEDER RELOCATION
SANTA MONICA FEEDER STATION 495+10 REHABILITATION
SANTIAGO LATERAL REPLACE MOTOR - OPERATED VALVE
SANTIAGO LATERAL STA 216+40 BUTTERFLY VALVE REPLACEMENT
SANTIAGO TOWER ACCESS ROAD IMPROVEMENT
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 EXPLORATOTY 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 CURRENT MITIGATION REFURBISHMENT
SECOND LOWER FEEDER PCCP REPAIRS
SELECTED PRESSURE REPLACE VALVE POSITION INDICATORS
SEPULVEDA CANYON POWER PLANT TAIL RACE COATINGS
SEPULVEDA CANYON TANKS EXTERIOR AND INTERIOR RECOATING
SEPULVEDA FEEDER - CARBON FIBER LINER REPAIRS
SEPULVEDA FEEDER CORROSION/INTERFERENCE MITIGATION, STATION 950+00 TO 1170+00
SEPULVEDA FEEDER REPAIRS AT 3 SITES
SEPULVEDA FEEDER STATION 2002+02 TO 2273+28 STRAY CURRENT INTERFERENCE MITIGATION
SEPULVEDA FEEDER STRAY CURRENT MITIGATION REFURBISHMENT
SEPULVEDA PCS - PERIMETER ASPHALT REPAIRS
SERVICE CONNECTION LV-01 UPGRADES
SERVICE CONNECTION OC-26 - RELOCATION OF METER CABINET, INSTRUMENT HOUSING & AIR VENT STACK
SIMULATION AND MODELING APPLICATION FOR REAL TIME OPERATIONS SMART OPS
SKINNER - RETROFIT MODULE #4 FLOCCULATOR DRIVES WITH VFD
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 DISTRIBUTION SYSTEM - CONTRACT # 1396
SKINNER ELECTRICAL BUILDING HVAC UPGRADE
SKINNER FILTRATION PLANT - ELEVATED SLAB IN SERVICE BLDG 1
SKINNER FILTRATION PLANT - INSULATING FLANGES AT PLANT 1 BUTTERFLY VALVES
SKINNER FILTRATION PLANT - LOADING RAMPS AT AND PC-1
SKINNER FILTRATION PLANT - MODULES 1 & 2 TRAVELING BRIDGES SOLIDS PUMPS
SKINNER FILTRATION PLANT - ON-LINE FILTER PROCESS
SKINNER FILTRATION PLANT - PERIMETER FENCING

**TABLE 3**

**CONVEYANCE AND DISTRIBUTION SYSTEM BENEFITS**

**Description**

***Distribution Facilities (continued)***

SKINNER FILTRATION PLANT - REPLACE AIR COMPRESSOR
SKINNER FILTRATION PLANT - REPLACEMENT FOR WETCELL BATTERY AND INVERTER
SKINNER FILTRATION PLANT - REPLACEMENT OF AREA CONTROL SYSTEMS
SKINNER FILTRATION PLANT - SAMPLE LINE FOR INFLUENT CONDUIT # 2
SKINNER FILTRATION PLANT - SCADA SERVERS RELOCATION
SKINNER HELIPAD REHAB
SKINNER INSULATING FLANGES AT PLANT 1 BUTTERFLY VALVES
SKINNER REPLACEMENT FOR WETCELL BATTERY AND INVERTER
SKINNER SCADA SERVERS RELOCATION
SMART-OPS (FORMERLY RTOS)
SOTO STREET FACILITY - BUILDING SEISMIC UPGRADE
SOTO STREET FACILITY - REPLACE HEATING
SOTO STREET FACILITY - ROOF REPLACEMENT
SOUTH COUNTY PIPELINE PROTECTION AT SAN JUAN CREEK CROSSING
SOUTH REACH / TUNNEL STUDY
SOUTH REACH CONSTRUCTION/ASBUILT - FUTURE UNAPPROPRIATED
SOUTH REACH DESIGN - FUTURE/UNAPPROPRIATED
SOUTH REACH ENVIRONMENTAL - FUTURE/UNAPPROPRIATED
SOUTH REACH FEASIBILITY STUDY
SOUTH REACH PROJECT MANAGEMENT - FUTURE/UNAPPROPRIATED
SOUTH REACH RIGHT OF WAY - FUTURE/UNAPPROPRIATED
SPECIAL SERVICE BRANCH - REPLACE PLATE BENDING
ST. JOHN'S CANYON CHANNEL EROSION MITIGATION
SYSTEM RELIABILITY PROGRAM
TEMESCAL POWER PLANT REPLACE EMERGENCY GENERATOR
TREATED WATER CROSS CONNECTION PREVENTION - FINAL DESIGN & CONSTRUCTION
TREATED WATER CROSS CONNECTION PREVENTION - UNFUNDED WORK
TWO-WAY RADIO ENHANCEMENT - EMERGENCY SERVICES, FIRE CONTROL, EVACUATION & BLDG. MAINT.
TWO-WAY RADIO ENHANCEMENT FOR EMERGENCY SERVICES, FIRE CONTROL, EVACUATION AND BLDG. MAINTENANCE
UNDER GROUND STORAGE TANK DISPENSER SPILL CONTAINMENT & REMEDIATION
UNION STATION TWO-WAY RADIO ENHANCEMENT FOR EMERGENCY SERVICES, FIRE CONTROL, EVACUATION AND BLDG MAINT.
UPGRADE CATHODIC PROTECTION RECTIFIERS
UPGRADE SUNSET GARAGE
UPPER FEEDER - SANTA ANA RIVER BRIDGE REPAIRS
UPPER FEEDER AIR ENTRAINMENT
UPPER FEEDER GATE REHABILITATION
UPPER FEEDER SANTA ANA RIVER DISCHARGE PAD
UPPER FEEDER SERVICE CONNECTIONS UPGRADES
UPS SYSTEMS INSTALLATION AT FOOTHILL PCS
UPS SYSTEMS INSTALLATION AT PERRIS CONTROL STRUCTURE
UPS SYSTEMS INSTALLATION AT SAN DIMAS PCS
UTILITY BUSINESS ARCHITECTURE (OBJECT MAPPING/MODELING)
VACUUM AIR RELEASE VALVE RELOCATION PILOT PROGRAM
VALLEY & LOS ANGELES DISTRIBUTION VALVE POSITION DISPLAY UPGRADE
VALVE PROCUREMENT
VIDEO CONFERENCE SYSTEM UPGRADE
VIDEOCONFERENCING UPGRADE
WADSWORTH PUMPING PLANT - MODIFICATION/REPAIRS OF FIFTY-NINE 6.9KV BREAKERS/CABINETS
WADSWORTH PUMPING PLANT CONDUIT REPAIR AND PROTECTION
WATER DELIVERY SYSTEM AUTOMATION

**TABLE 3**

**CONVEYANCE AND DISTRIBUTION SYSTEM BENEFITS**

| **Description** | | |
|---|---|---|
| ***Distribution Facilities (continued)*** | | |
| WATER PLANNING APPLICATION | | |
| WATER QUALITY - REMOTE MONITORING | | |
| WATER QUALITY LABORATORY BUILDING EXPANSION | | |
| WATER QUALITY MONITORING AND EVENT DETECTION SYSTEM | | |
| WATER TREATMENT PROCESS OPTIMIZATION | | |
| WEST COAST FEEDER - CATHODIC PROTECTION SYSTEMS | | |
| WEST VALLEY AREA STUDY | | |
| WEST VALLEY FEEDER NO. 1 ACCESS ROADS AND STRUCTURES IMPROVEMENTS | | |
| WEST VALLEY FEEDER NO. 1 VALVE STRUCTURE MODIFICATIONS | | |
| WESTERN REGION PLUMBING RETROFIT | | |
| 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 FILTRATION PLANT (WFP) - AREA CONTROL SYSTEM REPLACEMENT | | |
| WFP - ASPHALT REHABILITATION | | |
| WFP - COMPRESSED AIR SYSTEM IMPROVEMENT | | |
| WFP - DOMESTIC WATER PUMP UPGRADE | | |
| WFP - DRY POLYMER | | |
| WFP - EFFLUENT CHLORINE INJECTION | | |
| WFP - LAND ACQUISITION | | |
| WFP - PURCHASE OF REAL PROPERTY | | |
| WFP - REPAIR TO BLDG # 1 | | |
| WFP - REPLACE ACTUATORS/OPERATORS/ MOTORS FOR EFFLUENT VALVE CONVERSION FILTER BEDS 1-24 | | |
| WFP - WASHWATER RECLAMATION (WWRP) | | |
| YORBA LINDA FDR STA 924+11 PORTAL ACCESS | | |
| YORBA LINDA FEEDER - STA 924+11 PORTAL ACCESS | | |
| YORBA LINDA FEEDER BYPASS | | |
| YORBA LINDA PORTAL STRUCTURE ACCESS/TELEGRAPH CREEK BRIDGE | | |
| ***Sub-total Distribution facilities benefits*** | **$** | **56,543,024** |
| ***Total Conveyance and Distribution facilties benefits*** | **$** | **123,556,135** |

**TABLE 4**

**FISCAL YEAR 2011/12**
**ESTIMATED READINESS-TO-SERVE CHARGE REVENUE**

| Member Agency | Rolling Ten-Year Average Firm Deliveries (Acre-Feet) FY1999/00 - FY2008/09 | RTS Share | 6 months @ $125 million per year (7/11-12/11) | Rolling Ten-Year Average Firm Deliveries (Acre-Feet) FY2000/01 - FY2009/10 | RTS Share | 6 months @ $146 million per year (1/12-6/12) | Total RTS Charge FY 2011/12 |
|---|---|---|---|---|---|---|---|
| Anaheim | 20,966 | 1.11% | 691,061 | 21,453 | 1.14% | 833,647 | 1,524,708 |
| Beverly Hills | 12,737 | 0.67% | 419,846 | 12,375 | 0.66% | 480,892 | 900,738 |
| Burbank | 12,908 | 0.68% | 425,469 | 12,976 | 0.69% | 504,231 | 929,700 |
| Calleguas MWD | 113,610 | 5.99% | 3,744,777 | 112,722 | 6.00% | 4,380,223 | 8,125,000 |
| Central Basin MWD | 63,256 | 3.34% | 2,085,029 | 62,741 | 3.34% | 2,438,042 | 4,523,071 |
| Compton | 3,146 | 0.17% | 103,704 | 3,038 | 0.16% | 118,049 | 221,753 |
| Eastern MWD | 92,013 | 4.85% | 3,032,894 | 93,655 | 4.99% | 3,639,328 | 6,672,222 |
| Foothill MWD | 11,570 | 0.61% | 381,353 | 11,419 | 0.61% | 443,743 | 825,096 |
| Fullerton | 9,694 | 0.51% | 319,543 | 10,006 | 0.53% | 388,820 | 708,364 |
| Glendale | 24,150 | 1.27% | 796,008 | 22,919 | 1.22% | 890,618 | 1,686,626 |
| Inland Empire Utilities Agency | 61,205 | 3.23% | 2,017,412 | 62,036 | 3.30% | 2,410,631 | 4,428,042 |
| Las Virgenes MWD | 23,282 | 1.23% | 767,407 | 23,019 | 1.23% | 894,496 | 1,661,903 |
| Long Beach | 36,970 | 1.95% | 1,218,606 | 36,496 | 1.94% | 1,418,187 | 2,636,793 |
| Los Angeles | 314,757 | 16.60% | 10,374,899 | 318,284 | 16.94% | 12,368,085 | 22,742,984 |
| Municipal Water District of Orange County | 231,692 | 12.22% | 7,636,939 | 230,828 | 12.29% | 8,969,677 | 16,606,616 |
| Pasadena | 23,397 | 1.23% | 771,214 | 23,256 | 1.24% | 903,694 | 1,674,908 |
| San Diego County Water Authority | 491,238 | 25.91% | 16,192,005 | 473,945 | 25.23% | 18,416,886 | 34,608,890 |
| San Fernando | 119 | 0.01% | 3,909 | 119 | 0.01% | 4,609 | 8,518 |
| San Marino | 1,001 | 0.05% | 32,981 | 983 | 0.05% | 38,210 | 71,191 |
| Santa Ana | 12,743 | 0.67% | 420,014 | 12,950 | 0.69% | 503,201 | 923,215 |
| Santa Monica | 12,794 | 0.67% | 421,715 | 12,674 | 0.67% | 492,511 | 914,226 |
| Three Valleys MWD | 73,095 | 3.85% | 2,409,339 | 71,638 | 3.81% | 2,783,741 | 5,193,079 |
| Torrance | 20,742 | 1.09% | 683,701 | 20,288 | 1.08% | 788,369 | 1,472,070 |
| Upper San Gabriel Valley MWD | 15,631 | 0.82% | 515,224 | 16,779 | 0.89% | 652,018 | 1,167,242 |
| West Basin MWD | 141,522 | 7.46% | 4,664,803 | 138,880 | 7.39% | 5,396,682 | 10,061,484 |
| Western MWD | 71,906 | 3.79% | 2,370,151 | 73,122 | 3.89% | 2,841,411 | 5,211,561 |
| MWD Total | 1,896,143 | 100.00% | $ 62,500,000 | 1,878,601 | 100.00% | $ 73,000,000 | $ 135,500,000 |

Totals may not foot due to rounding

**TABLE 5**

**FISCAL YEAR 2011/12**
**ESTIMATED STANDBY CHARGE REVENUE**

| Member Agencies | Total Parcel Charge | Number Of Parcels Or Acres | Gross Revenues (Dollars) [1] |
|---|---|---|---|
| Anaheim | $ 8.55 | 69,794 | $ 596,742 |
| Beverly Hills | - | - | - |
| Burbank | 14.20 | 29,120 | 413,500 |
| Calleguas MWD | 9.58 | 256,945 | 2,461,532 |
| Central Basin MWD | 10.44 | 340,474 | 3,554,546 |
| Compton | 8.92 | 18,119 | 161,623 |
| Eastern MWD | 6.94 | 406,729 | 2,822,700 |
| Foothill MWD | 10.28 | 30,383 | 312,341 |
| Fullerton | 10.71 | 34,479 | 369,268 |
| Glendale | 12.23 | 44,702 | 546,700 |
| Inland Empire Utilities Agency | 7.59 | 252,879 | 1,919,351 |
| Las Virgenes MWD | 8.03 | 57,860 | 464,612 |
| Long Beach | 12.16 | 91,810 | 1,116,404 |
| Los Angeles | - | - | - |
| Municipal Water District of Orange County [2] | 10.09 | 718,567 | 7,381,414 |
| Pasadena | 11.73 | 38,743 | 454,456 |
| San Diego County Water Authority | 11.51 | 1,105,483 | 12,724,104 |
| San Fernando | 7.87 | 5,120 | 40,293 |
| San Marino | 8.24 | 4,973 | 40,977 |
| Santa Ana | 7.88 | 54,158 | 426,765 |
| Santa Monica | - | - | - |
| Three Valleys MWD | 12.21 | 151,456 | 1,849,283 |
| Torrance | 12.23 | 40,491 | 495,208 |
| Upper San Gabriel Valley MWD | 9.27 | 211,467 | 1,960,302 |
| West Basin MWD | - | - | - |
| Western MWD | 9.23 | 379,988 | 3,507,289 |
| **MWD Total** | | 4,343,739 | $ 43,619,408 |

(1) Estimates per FY2010/11 applied amounts
(2) Adjusted for inclusion of Coastal MWD

Note: Totals may not foot due to rounding.

**TABLE 6**

**PARCELS SUBJECT TO ANNEXATION STANDBY CHARGES**
**AS OF JULY 1, 2010**

| Annexation | Parcel Number | Acres | Proposed Standby Charge (FY 2009/10) |
|---|---|---|---|
| **Riverside County:** | | | |
| Portions of the 41st Fringe | 906-151-007 | 0.10 | 9.23 |
| to Western MWD | 906-151-016 | 0.26 | 9.23 |
| | 906-151-013 | 0.26 | 9.23 |
| | | | |
| **Eastern MWD** | | | |
| 102nd Fringe | 915-520-012 | 20.00 | 138.80 |
| | 915-520-020 | 5.09 | 35.33 |
| | 915-520-029 | 4.87 | 33.80 |
| | 915-520-031 | 10.16 | 70.51 |
| | | | |
| **Ventura County:** | | | |
| Annexation No. 87 | 183-0-090-57-5 | 9.42 | 90.25 |
| | | | |
| Annexation No. 93 | 139-0-260-230 | 0.80 | 9.58 |
| | 149-0-082-030 | 0.49 | 9.58 |
| Annexation No. 94 | None Levied | | 0.00 |
| | | | |
| **San Diego County:** | | | |
| Erreca Reorganization | 326-051-02-00 | 25.55 | 259.55 |
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THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

RESOLUTION ____

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**RESOLUTION OF THE BOARD OF DIRECTORS OF THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA FIXING AND ADOPTING A CAPACITY CHARGE EFFECTIVE JANUARY 1, 2012**

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WHEREAS, the Board of Directors ("Board") of The Metropolitan Water District of Southern California ("Metropolitan"), pursuant to Sections 133, 134 and 134.5 of the Metropolitan Water District Act (the "Act"), is authorized to fix such rate or rates for water as will result in revenue which, together with revenue from any water standby or availability of service charge or assessment, will pay the operating expenses of Metropolitan, provide for repairs and maintenance, provide for payment of the purchase price or other charges for property or services or other rights acquired by Metropolitan, and provide for the payment of the interest and principal of its bonded debt; and

WHEREAS, the capacity charge is a fixed fee imposed (on a dollar per cubic-foot-per-second basis) on member agencies on the amount of capacity used by such member agency and is designed to recover the cost of providing peaking capacity within the distribution system; and

WHEREAS, on January 11, 2010, the General Manager presented to the Business and Finance Committee of Metropolitan's Board his determination of total revenues and of revenues to be derived from water sales and firm revenue sources required during the fiscal year beginning in FY 2010/11, and a detailed report describing each of the rates and charges and the supporting cost of service process, dated December 2009, that (i) describes the rate structure process and design, (ii) shows the costs of major service functions that Metropolitan provides to its member agencies, (iii) classifies these service functions costs based on the use of the Metropolitan system to create a logical nexus between the revenues required from each of the rates and charges, and (iv) sets forth the rates and charges necessary to defray such costs; and

WHEREAS, on April 13, 2010, following discussions of proposed revenue requirements, budget and rates by the Business and Finance Committee and the Board in meetings from January through April of 2010, board workshops regarding the proposed budget and future rates and charges held on January 26, February 16, and March 23, 2010 and a public hearing at the Business and Finance Committee meeting on March 8, 2010, Metropolitan's Board adopted water rates and charges to be effective January 1, 2011 and January 1, 2012; and

WHEREAS, an updated cost of service report, dated April 2010 (the "Report"), was produced based on the feedback received from the public comments and the board workshops and included in the General Manager's recommendation for rates and charges on April 12, 2010; and

WHEREAS, in adopting the rates and charges adopted on April 13, 2010, the Board determined the amount of revenue to be raised by the capacity charge in 2012 to be based on a capacity charge in such year of $7,400 per cubic-feet-per-second; and

WHEREAS, notice of intention of Metropolitan's Board to consider and take action at its regular meeting to be held April 12, 2011, to increase Metropolitan's capacity charge for calendar year 2012 was mailed to each of Metropolitan's member public agencies; and

WHEREAS, 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; and

WHEREAS, the amount of revenue to be raised by the capacity charge shall be as determined by the Board and allocation of such charges among member public agencies shall be in accordance with the method established by the Board; and

WHEREAS, the capacity charge is a charge imposed by Metropolitan upon its member agencies, and is not a fee or charge imposed upon real property or upon persons as an incident of property ownership; and

WHEREAS, Metropolitan has legal authority to impose the capacity charge as a water rate pursuant to Sections 133 and 134 of the Metropolitan Water District Act (the "Act"); and

WHEREAS, 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 expenses and provide for the payment of other costs, including payment of the interest and principal of Metropolitan's non-tax funded debt; and

WHEREAS, the capacity charge is intended to recover the debt service and other appropriately allocated costs to construct, operate and maintain projects needed to meet peak demands on Metropolitan's distribution system, as shown in the Report; and

WHEREAS, in the alternative under Section 134.5 of the Act, an availability of service charge may be collected from the member public agencies within Metropolitan;

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

**Section 1.** That the Board of Directors of Metropolitan hereby fixes and adopts a capacity charge, as described below, to be effective January 1, 2012.

**Section 2.** That the capacity charge shall be in an amount sufficient to provide for payment of the capital financing costs not paid from *ad valorem* property taxes, as well as operations, maintenance and overhead costs incurred to provide peaking capacity within Metropolitan's distribution system.

**Section 3.** That such capacity charge effective January 1, 2012 shall be a water rate of $7,400 per cubic-feet-per-second (set in dollars per cubic-feet-per-second of the peak day capacity) for capacity provided to a member agency.

**Section 4.** That in the alternative, and without duplication, the capacity charge shall be an availability of service charge pursuant to Section 134.5 of the Act.

**Section 5.** That this Board finds and determines that the capacity charge is a reasonable fee for use of capacity of Metropolitan's distribution system.

**Section 6.** That the capacity charge shall be a fixed charge as shown in the following table and collected from each member agency monthly, quarterly or semiannually as agreed to by Metropolitan and the member agency.

**Table 1. Calendar Year 2012 Capacity Charge**

| | Peak Day Demand (cfs) (May 1 through September 30) Calendar Year | | | | |
|---|---|---|---|---|---|
| AGENCY | 2008 | 2009 | 2010 | 3-Year Peak | Calendar Year 2012 Capacity Charge |
| Anaheim | 36.1 | 40.7 | 44.8 | 44.8 | $331,520 |
| Beverly Hills | 32.9 | 31.0 | 31.2 | 32.9 | $243,460 |
| Burbank | 34.2 | 21.6 | 22.3 | 34.2 | $253,080 |
| Calleguas | 250.0 | 192.8 | 208.9 | 250.0 | $1,850,000 |
| Central Basin | 102.7 | 94.7 | 74.2 | 102.7 | $759,980 |
| Compton | 4.9 | 5.9 | 3.3 | 5.9 | $43,660 |
| Eastern | 263.5 | 233.8 | 229.5 | 263.5 | $1,949,900 |
| Foothill | 21.5 | 24.3 | 20.2 | 24.3 | $179,820 |
| Fullerton | 27.1 | 37.4 | 32.2 | 37.4 | $276,760 |
| Glendale | 55.7 | 56.0 | 49.6 | 56.0 | $414,400 |
| Inland Empire | 125.8 | 106.1 | 124.2 | 125.8 | $930,920 |
| Las Virgenes | 45.3 | 42.7 | 43.9 | 45.3 | $335,220 |
| Long Beach | 68.1 | 67.2 | 61.2 | 68.1 | $503,940 |
| Los Angeles | 821.9 | 698.2 | 525.9 | 821.9 | $6,082,060 |
| MWDOC | 453.7 | 489.5 | 425.5 | 489.5 | $3,622,300 |
| Pasadena | 55.6 | 50.2 | 50.5 | 55.6 | $411,440 |
| San Diego | 1,039.9 | 1,055.3 | 949.5 | 1,055.3 | $7,809,220 |
| San Fernando | 0.1 | - | 4.1 | 4.1 | $30,340 |
| San Marino | 5.2 | 3.5 | 4.2 | 5.2 | $38,480 |
| Santa Ana | 14.5 | 16.4 | 20.0 | 20.0 | $148,000 |
| Santa Monica | 26.2 | 25.0 | 24.3 | 26.2 | $193,880 |
| Three Valleys | 168.1 | 132.7 | 139.4 | 168.1 | $1,243,940 |
| Torrance | 35.5 | 39.3 | 42.8 | 42.8 | $316,720 |
| Upper San Gabriel | 36.9 | 27.6 | 22.9 | 36.9 | $273,060 |
| West Basin | 243.3 | 221.3 | 221.2 | 243.3 | $1,800,420 |
| Western | 271.0 | 214.4 | 199.5 | 271.0 | $2,005,400 |
| **Total** | **4,239.7** | **3,927.6** | **3,575.3** | **4,330.8** | **$32,047,920** |

Totals may not foot due to rounding

**Section 7.** That the capacity charge for each member public agency, the method of its calculation, cost allocations and other data used in its determination are as specified in the Report, which is on file and available for review by interested parties at Metropolitan's headquarters.

**Section 8.** 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 9.** That this Board finds that the proposed capacity charge is not defined as a Project under the California Environmental Quality Act ("CEQA") since it involves continuing administrative activities, such as general policy and procedure making (Section 15378(b)(2) of the State CEQA Guidelines). In addition, the proposed action is not subject to CEQA because it involves the creation of government funding mechanisms or other government fiscal activities, which do not involve any commitment to any specific project which may result in a potentially significant physical impact on the environment (Section 15378(b)(4) of the State CEQA Guidelines).

**Section 10.** That the General Manager is hereby authorized and directed to take all necessary action to satisfy relevant statutes requiring notice by publication.

**Section 11.** 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 public 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 12, 2011.

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Board Executive Secretary
The Metropolitan Water District
of Southern California