



# Capital Improvement Program Budget

Otay Water District ■ Spring Valley, California



Fiscal Year 2012-2017



# Adopted Capital Improvement Program Budget Fiscal Year 2012-2017



## GENERAL MANAGER

Mark Watton

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...Dedicated to Community Service

2554 SWEETWATER SPRINGS BOULEVARD, SPRING VALLEY, CALIFORNIA 91978-2004  
TELEPHONE: 670-2222, AREA CODE 619

September 1, 2011

Honorable Board of Directors  
Otay Water District

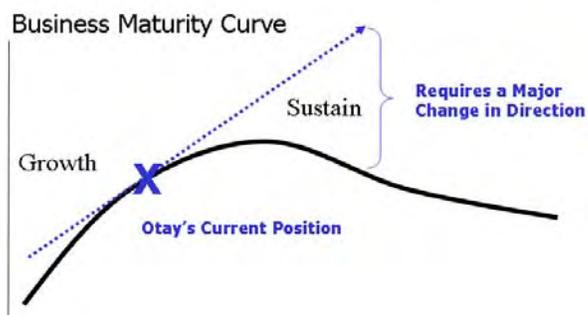
I am pleased to present the Otay Water District's Adopted Operating and Capital Budget for Fiscal Year 2012. This year's budget supports the management plan to finance all of the District's services and programs during the 2012 fiscal year.

The mission of the District is to provide customers with the best quality water, wastewater, and recycled water service in a professional, effective, and efficient manner. As with the past few years, we continue to face numerous challenges with the slow recovery from the largest economic downturn since the Great Depression and ongoing home foreclosures. The District also faces large water supply cost increases because of inaction in California's State Capitol to address the crisis in the Sacramento – San Joaquin Bay Delta. This is further complicated by the uncertainty of the rights to the Colorado River water, both of which represent 100 percent of our imported water supply.

Given the continuing uncertain times and the demand by customers to keep rate increases to a minimum, the District must find the best solutions that balance the many expectations placed on it by a slowly recovering economy and by its customers. The District is looking to do this while also meeting the expectation for continuous improvement. The way we will continue to achieve these goals in this challenging environment is to continually improve all aspects of our core business processes. The tool we will use to accomplish this is the Strategic Plan.

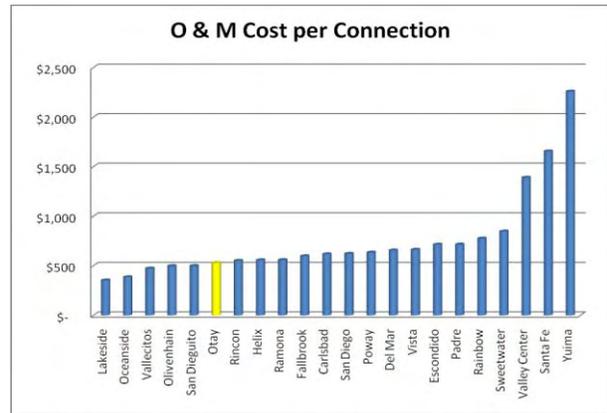
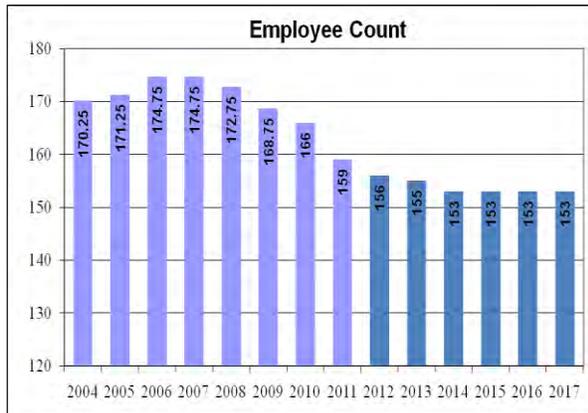
The District's first Strategic Plan was developed in 2003 and it has been updated every three years since then. We are now entering the first year of the 2012-2014 Strategic Plan. As with previous plans, the focus has been on the District's transformation from a growth-centric to a maintenance-based organization. Where growth had been a significant focus in prior years, today we have become equally focused on managing long-term maintenance and replacement of infrastructure.

The change is illustrated by the Business Maturity Curve (see illustration). During high growth periods, efforts are focused on achieving the macro targets of building and installing new infrastructure. As an organization matures, fewer resources are needed to support growth, but the effort to maintain and improve infrastructure and assets increases. In addition, as an organization matures it derives income more from customer rates and less from developer fees. At this stage, increased maintenance and

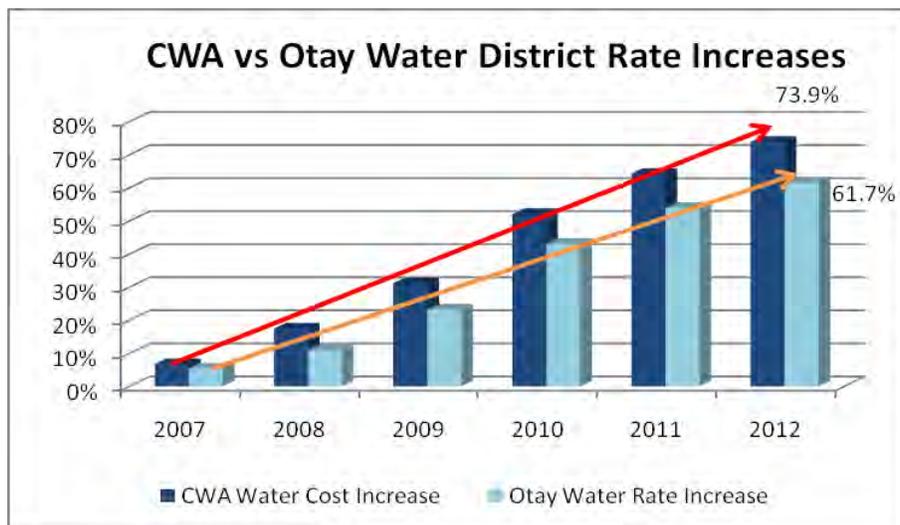


replacement costs place pressure on customer rates. To balance the customer's interest in minimizing rate increases while also maintaining an organization's infrastructure investments and a strong financial position, we must place greater emphasis on internal efficiency and the development of technology assisted best practices. In effect, an organization must use investments in technology to do more with the same or even fewer resources.

A goal of earlier plans included capitalizing on the technology investments and utilizing those technologies to continually improve efficiency and productivity. The success of this approach is evidenced by the gains in efficiency and by the reduction in staffing, even while the customer base has grown in recent years.



Furthermore, the District has been able to absorb some of the pass-through costs from our water providers by increased efficiency and improved productivity, helping to address customer concerns about rising water rates.



In this and coming years, the District will continue its efforts to improve business processes to further increase efficiency and productivity through adherence to the 2012-2014 Strategic Plan.

Today, the District provides water service to nearly 48,101 potable and 695 recycled water customers within approximately 125.5 square miles of southeastern San Diego County. All of the potable water sold to customers is purchased from the San Diego County Water Authority (CWA). Much of this water is in turn purchased from the region's primary water importer, the Metropolitan Water District of Southern California (MWD). The District also has entered into an agreement with the CWA to have the neighboring Helix Water District treat imported water on behalf of the Otay Water District at their Levy Water Treatment Plant. This action brought regional water treatment closer to customers, which helps reduce dependence on water treatment facilities located outside of San Diego County.

To deliver this locally treated water to customers, the District has completed a 5.1 mile, 36-inch diameter pipeline. Drinking water delivered by this new pipeline is being stored in two recently constructed 10 million gallon reservoirs. In addition to bringing water treatment closer to customers, this new source of water diversifies the District's supply and improves reliability.

The District also owns and operates a wastewater collection and recycling system to provide public sewer service to approximately 4,646 homes and businesses. Wastewater collected is delivered to the Ralph W. Chapman Water Recycling Facility (RWCWRF), which is capable of reclaiming wastewater at a rate of 1.3 million gallons per day. In addition to the Chapman facility, the District purchases up to 6 million gallons per day of recycled water from the City of San Diego's South Bay Water Reclamation Plant. Recycled water from these two sources is used to irrigate golf courses, schools, public parks, roadway landscapes, and other approved uses in the City of Chula Vista, California. The use of recycled water reduces dependence on imported supplies and provides a local supply that diversifies District resources.

## BUDGET SUMMARY

The Otay Water District's operating expenditures consist of three major sectors: potable water, recycled water, and sewer, totaling \$78,062,200 for Fiscal Year 2012. Revenues from potable and recycled water are projected to be \$65,304,300, about \$1,349,800 (2.1%) more than the Fiscal Year 2011 budget. Water sales volumes are expected to increase by 2% over FY 2011 actual sales as the economy is slowly improving, while efforts to promote water conservation continue. Rate increases are therefore essential to offset the higher wholesale cost of water. Sewer revenues are projected to be \$2,336,000, about \$65,500 more than Fiscal Year 2011 because of necessary rate increases due to pass-through cost increases by outside sewer service providers. The remaining revenue of \$10.4 million comes from special fees and assessments and miscellaneous income.

Significant aspects of the Operating Budget are:

- A balanced budget meeting the goals of the Strategic Plan.
- The use of an economist to determine growth for the region.
- An updated six-year Rate Model to ensure sound financial planning and reserve levels.
- Ongoing water supply rate increases of 7.7% from MWD and CWA because of the high cost of supply programs, higher energy costs, and operating costs.
- Implemented rate increases in potable, recycled water, and sewer. This included pass-through rate increases from CWA and the County of San Diego.

- In response to the economic slowdown, the District has again reduced staffing levels from 159 full-time equivalent positions to 156. It has also cut operating expenditures by \$490,400 due to program funding changes and other discretionary spending cuts.
- Of San Diego County's 23 water agencies, Otay's water rates are below the county-wide average.

The 2011-12 Capital Improvement Program (CIP) Budget consists of 74 projects and a budget of \$22.6 million. The budget emphasizes long-term planning for ongoing programs while functioning within fiscal constraints and population growth. This year's CIP budget decreased by \$5.8 million compared to last year's projection, which is due to the deferral of projects to match the timing of the increased demand due to land development.

### THE FUTURE

The coming years will continue to pose challenges for those in California's water community and customers. While the State of California received a greater than normal amount of rainfall this year, federal court orders continue to curtail water deliveries from Northern California due to environmental factors in the Sacramento-San Joaquin Bay Delta and the uncertainty of Colorado River water deliveries continue. In addition, the political situation in the State Capitol has made it difficult to find the compromises necessary to address the environmental challenges in the Delta. These factors contribute to the higher cost of water statewide.

Through foresight, investments in drought-proof recycled water, conservation, and a water rate structure that rewards conservation, the Otay Water District has thus far avoided having to require mandatory water conservation. The District has instead achieved its water conservation goals using voluntary measures.

As you would expect, the planned water sales reductions have impacted revenues and will continue to affect the District's finances. With that in mind, our success as an organization is vastly enhanced by the practices and policies put in place by the Board of Directors to ensure the strength and stability of the District even as we move forward through uncertain times. We are fully confident that with these policies and practices, supported by dedicated and talented staff, we will achieve continued success as an organization and thus assure the well-being of the people we serve.

In adopting this budget, the challenges presented this year were met by the Otay Water District Board of Directors resolve to keep the stability and financial strength of the District as one of its highest priorities.

### AWARDS AND ACKNOWLEDGMENTS

- The Government Finance Officers Association (GFOA) awarded a *Certificate of Achievement for Excellence in Financial Reporting* to the Otay Water District for its Comprehensive Annual Financial Report (CAFR) for the fiscal year ended June 30, 2010. In order to be awarded a Certificate of Achievement, a government agency must publish an easy to understand and efficiently organized Comprehensive Annual Financial Report. This report must satisfy both generally accepted accounting principles and applicable legal requirements.

- The District also received a *Distinguished Budget Presentation Award* from the GFOA for the District's Operating and Capital Budget for the Fiscal Year beginning July 1, 2010, as well as two awards from the California Society of Municipal Finance Officers (CSMFO) for *Excellence in Operating Budget* and *Excellence in Capital Budget*. These prestigious awards recognize conformance with the highest standards for preparation of state and local government financial reports.
- The Irrigation Association presented Otay Water District with the *2010 National Water & Energy Award*. This award is in recognition of significant achievement in the conservation of water and energy relating to irrigation procedures, equipment, methods and techniques.
- The Otay Water District was presented the *2011 Project of the Year Award for the Jamacha Road Pipeline Project* from the Public Works Association (APWA) in addition to the *2011 Honor Award for the 1296-3 Reservoir (2MG)*.

In conclusion, this budget reflects the vision of the Board of Directors of the Otay Water District, its management, and its employees. We will continue to strive to make improvements in our budget processes, including an extensive review and analysis of projections for revenues, expenditures, capital projects, and reserves.

I would like to thank all the staff involved in this process for the efforts put forth in the preparation of this budget to ensure a successful outcome.

To the Board of Directors, we acknowledge and appreciate their continued support and direction in achieving excellence in financial management.



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Mark Watton, General Manager

# *CIP Budget Guide*

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The District views the Capital Improvement Program (CIP) Budget as an essential tool for proper financial management of the CIP projects. The District manages growth and maintenance of assets through this program. This CIP budget is developed with input from the various project managers throughout the organization and is adopted prior to the start of each fiscal year for the current fiscal year and five subsequent years. It is designed and presented for the general needs of the District, its staff, and citizens. It is a comprehensive and balanced financial plan. This plan features the CIP budget based on demands for services and the impact on the District's financial status and future plans. The budget book is divided into the following sections.

## **General Information**

The introductory section contains an overview and general information about the District including the organization chart and awards received. Also included are the budget calendar, a description of the budget process, and the resolution adopting the budget.

## **Capital Budget Summary**

The Capital Budget Summary consists of an overview of the District's CIP, including how the Water Resources Master Plan (WRMP) is used to modify the CIP each year based on the latest set of assumptions and criteria. Also included are highlights of the major CIP projects that are completed, in construction, or in design. Additionally, this section contains a review of the CIP reserve funds and funding sources, a six-year listing of CIP project expenditures, project justification and impact on the Operating Budget, project schedules, and the capital purchases budget.

## **CIP Projects**

This section contains the project sheet description and project sheets for each CIP project. These sheets are developed by the project manager and contain critical information for the management of these projects. The projects are divided into four categories: Capital Facility Projects, Replacement/Renewal Projects, Capital Purchase Projects, and Developer Reimbursement Projects.

## **Appendix**

The last section consists of the Water Meter Capacity Fee Schedule, a Glossary of budget and financial terms, a List of Acronyms used in this budget book, and an Index.

## **History**

The Otay Water District was formed in January 1956 and joined the San Diego County Water Authority (CWA) in September 1956 to acquire the right to purchase and distribute imported water throughout its service area. The District is also responsible for the collection, treatment, and disposal of wastewater from a portion of the northern region of the District. In 1980, the District started operation of the Ralph W. Chapman Water Recycling Facility (RWCWRF), and in June, 2007 a new source of recycled water from the City of San Diego was obtained, allowing the Otay Water District to supply 12 percent of total water demand with recycled water.

## **Mission Statement**

The mission of the District is to provide customers with the best quality water, wastewater, and recycled water service in a professional, effective, and efficient manner.

## **Service Area**

The District's boundaries encompass an area of approximately 125 square miles in San Diego County, lying immediately east of the City of San Diego metropolitan area and running from the City of El Cajon south to the international border.

## **Government**

The Otay Water District was formed in 1956 to serve as a public water and sewer agency, authorized as a California special district, under the provisions of the Municipal Water District Act of 1911. The District's ordinances, policies, taxes, and rates for service is set by five Directors elected by voters in their respective geographic

## **Organizational Structure**

The General Manager reports directly to the Board of Directors, and through two Assistant General Managers and the District management, oversees day-to-day operations. One Assistant General Manager oversees the departments of Administrative Services, Finance, Information Technology and Strategic Planning while the other oversees the Water Operations and Engineering departments. These and other lines of reporting are shown on the organization chart on page 11.



## General Information

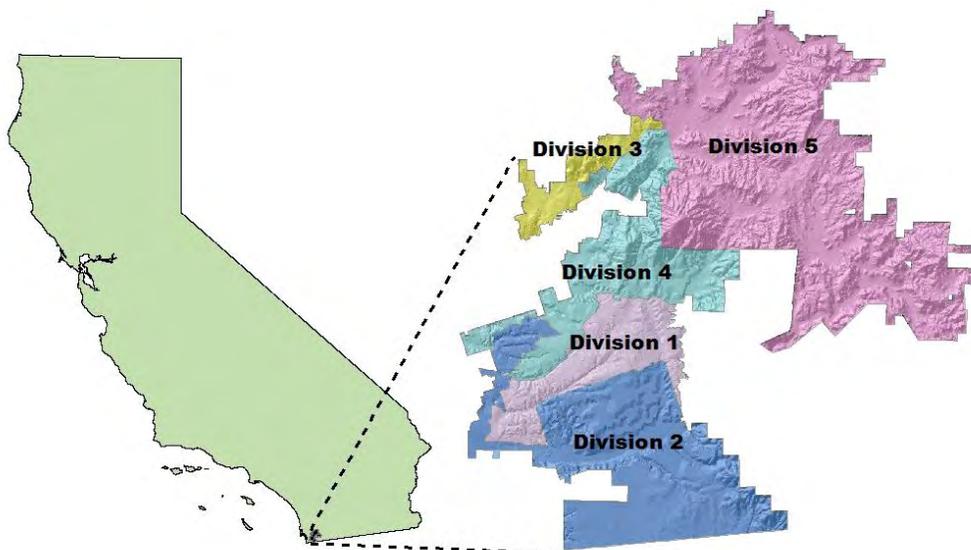
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For Fiscal Year 2012, the District will have a staff of 156 full-time equivalent employees under the leadership of the General Manager. The District provides water service to approximately 53% of its expected ultimate deliveries with a population of more than 206,500 people. This percentage increases as the District's service area continues to grow to ultimate build-out. The District is projected to deliver approximately 28,950 acre-feet of potable water to 48,370 potable customer accounts and to ultimately deliver by 2035 56,600 acre-feet of potable water to serve 285,000 people or 69,000 accounts. The rate of growth, as projected by the San Diego Association of Governments (SANDAG) for the Chula Vista area of San Diego County, is approximately 1.7% per year over the next decade. Using historical data and considering current economic conditions, staff has moderated this projection to a growth rate of 0.5% for Fiscal Year 2012.

Since 1956, the District has provided high quality water to a semi-arid region of the southeastern San Diego County. In 1971, the District constructed a small collection and treatment plant for sewer in the northern section of the District, and in 1980 the District opened the Ralph W. Chapman Water Recycling Facility (RWCWRF). For over 50 years, the available supply of water has helped transform the District service area from a mostly scrub and cactus-covered backcountry into a balance of diverse environments.

Recycled water from the RWCWRF is used to irrigate golf courses, schools, public parks, roadway landscapes, and various other approved uses in eastern Chula Vista. The RWCWRF is capable of recycling wastewater at a rate of 1.3 million gallons per day (1,200 acre-feet per year). The District is also in a partnership with the City of San Diego to beneficially reuse an additional 3,105 acre-feet per year of recycled water for Fiscal Year 2012, and ultimately up to 6,720 acre-feet per year. This makes Otay Water District the largest retail provider of recycled water in the county.

The District also owns and operates a wastewater collection system providing public sewer service to approximately 4,646 customer accounts within the Jamacha drainage basin. The sewer service area covers approximately 8,797 acres, which is about 11% of the District's total service area. Residential customers comprise 97% of the sewer customer base.





The Government Finance Officers Association of the United States and Canada (GFOA) presented a *Distinguished Budget Presentation Award* to Otay Water District, California for its annual budget for the fiscal year beginning July 1, 2010. In order to receive this award, a governmental unit must publish a budget document that meets program criteria as a policy document, as an operations guide, as a financial plan, and as a communications device.

This award is valid for a period of one year only. We believe our current budget continues to conform to program requirements, and we are submitting it to GFOA to determine its eligibility for another award.

# Financial Awards



The California Society of Municipal Finance Officers (CSMFO) presented Otay Water District the Certificate of Award for *Excellence in Operating Budget for Fiscal Year 2010-2011*.

The California Society of Municipal Finance Officers (CSMFO) presented Otay Water District the Certificate of Award for *Excellence in Capital Budget for Fiscal Year 2010-2011*.



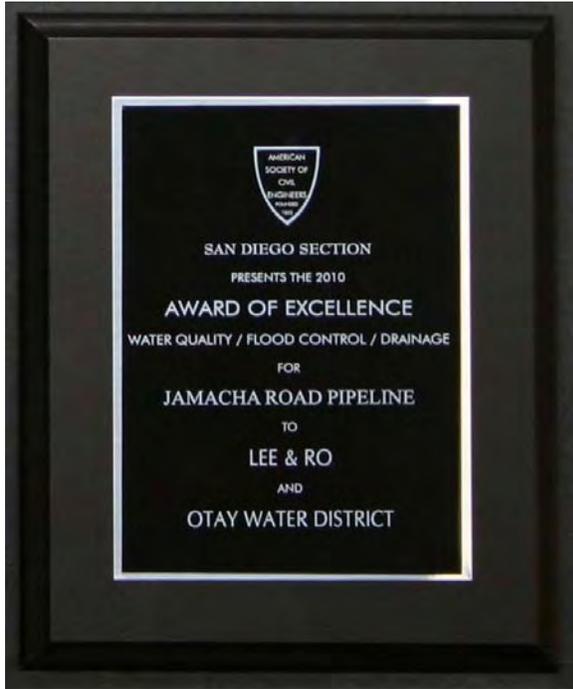
# Awards

The Public Works Association (APWA) presented Otay Water District the 2011 *Project of the Year Award for the Jamacha Road Pipeline Project*.



The American Society of Civil Engineers presented Otay Water District the 2010 *Award of Excellence - Water Treatment for the 1296-3 Reservoir Project*.

# Awards

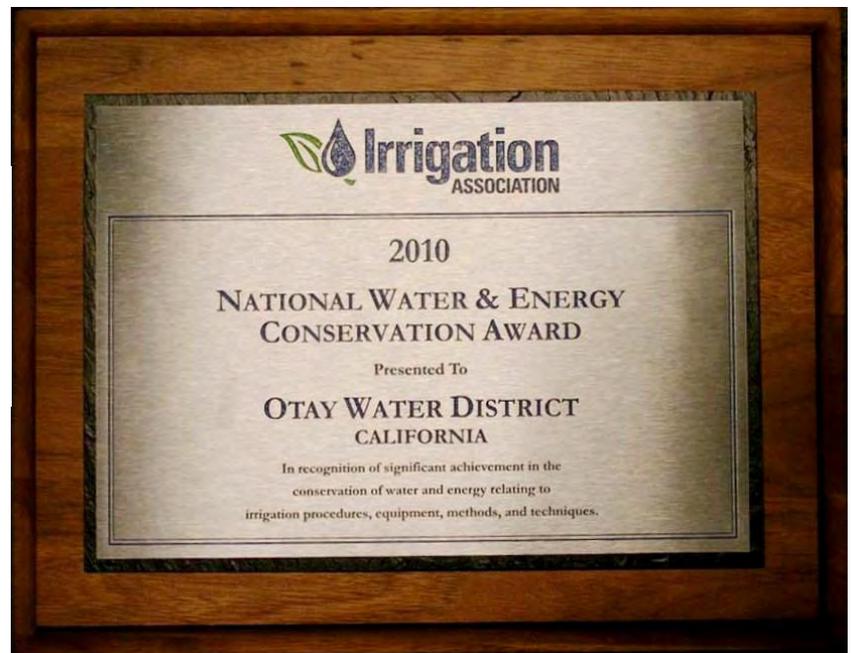


The American Society of Civil Engineers presented Lee & Ro and Otay Water District the *2010 Award of Excellence - Water Quality / Flood Control / Drainage for the Jamacha Road Pipeline.*



The Public Works Association (APWA) presented Otay Water District the *2011 Honor Award for the 1296-3 Reservoir (2MG).*

The Irrigation Association presented Otay Water District the *2010 National Water & Energy Conservation Award.*



## *Current Economic Conditions*

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Currently, the District services the needs of a growing population by purchasing water from the San Diego County Water Authority (CWA). CWA purchases its water from the Metropolitan Water District of Southern California (MWD) and the Imperial Irrigation District (IID). Otay takes delivery of the water through several connections of large diameter pipelines owned and operated by CWA. The District currently receives treated water from CWA and the Helix Water District (HWD) by contract with CWA. In the Southern region, in addition to the treated water deliveries from CWA, the District has an emergency agreement with the City of San Diego in the case of a shutdown of the main treated water source. Through innovative agreements like this, benefits can be achieved by both parties by using excess capacity of another agency and diversifying local supply, thereby increasing reliability.

For several decades, the District has collected and recycled wastewater generated within the Jamacha drainage basin and pumped the recycled water south to the Salt Creek basin where it is used for irrigation and other non-potable uses. However, the demand for recycled water out-paced the supply, requiring the District to supplement the limited supply of recycled water with potable water. Through the agreement with the City of San Diego, the District has discontinued supplementing its recycled demand with potable water. Once again, this decreases the demand on potable water and increases reliability of the District's supply.

The District's sewer service area is growing at a slow but steady rate of approximately 0.6% each year. Most of this growth is from small development projects or homeowners converting their septic system to sewer because of environmental issues.

The District's service area was one of the fastest growing regions in the nation. During the past decade, the population of the service area has nearly doubled. It is estimated that the District is currently serving approximately 206,500 residents. In just the past eight years, the District has added more than 6,168 new customer connections, with 2,326 occurring in Fiscal Year 2004. The phenomenal growth has slowed, as our local and national economy is experiencing a downturn. This slowdown appears to have leveled off as the District's Public Services Division approved on average 12 permits per month, and sold 292 water meters in Fiscal Year 2010-2011.



## The Future

The District continues to use the challenges presented by growth to create new opportunities and new organizational efficiencies. By utilizing and continuing to refine its Strategic Business Plan, it has captured the Board of Director's vision and united its staff in a common mission. The organization has achieved a number of significant accomplishments based on its successful adherence to its Strategic Business Plan. The District is not only poised to continue successfully providing an affordable, safe, and reliable water supply for the people of its service area, but is set to reap the rewards of greater efficiencies and economies of scale.



This year because of the economic uncertainty of the region, the District employed an Economist to verify the growth in the region. Using the economist's report, the Engineering Department projected that over the next six years the District will sell another 3,160 meters. SANDAG, the regional planning agency, shows a slowing of the historic annual growth rate of 6.3% since 1980, to a projected future annual growth rate of 1.7% through 2030, for the City of Chula Vista. For the unincorporated areas of the region the historic annual growth rate has been only 1.3% since 1980, but is expected to increase to 1.7% through 2030.

# Demographics

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The District boundaries shown in the chart below encompass an area of approximately 125 square miles in San Diego County, located immediately east of the City of San Diego metropolitan area and running from the City of El Cajon south to the international border.



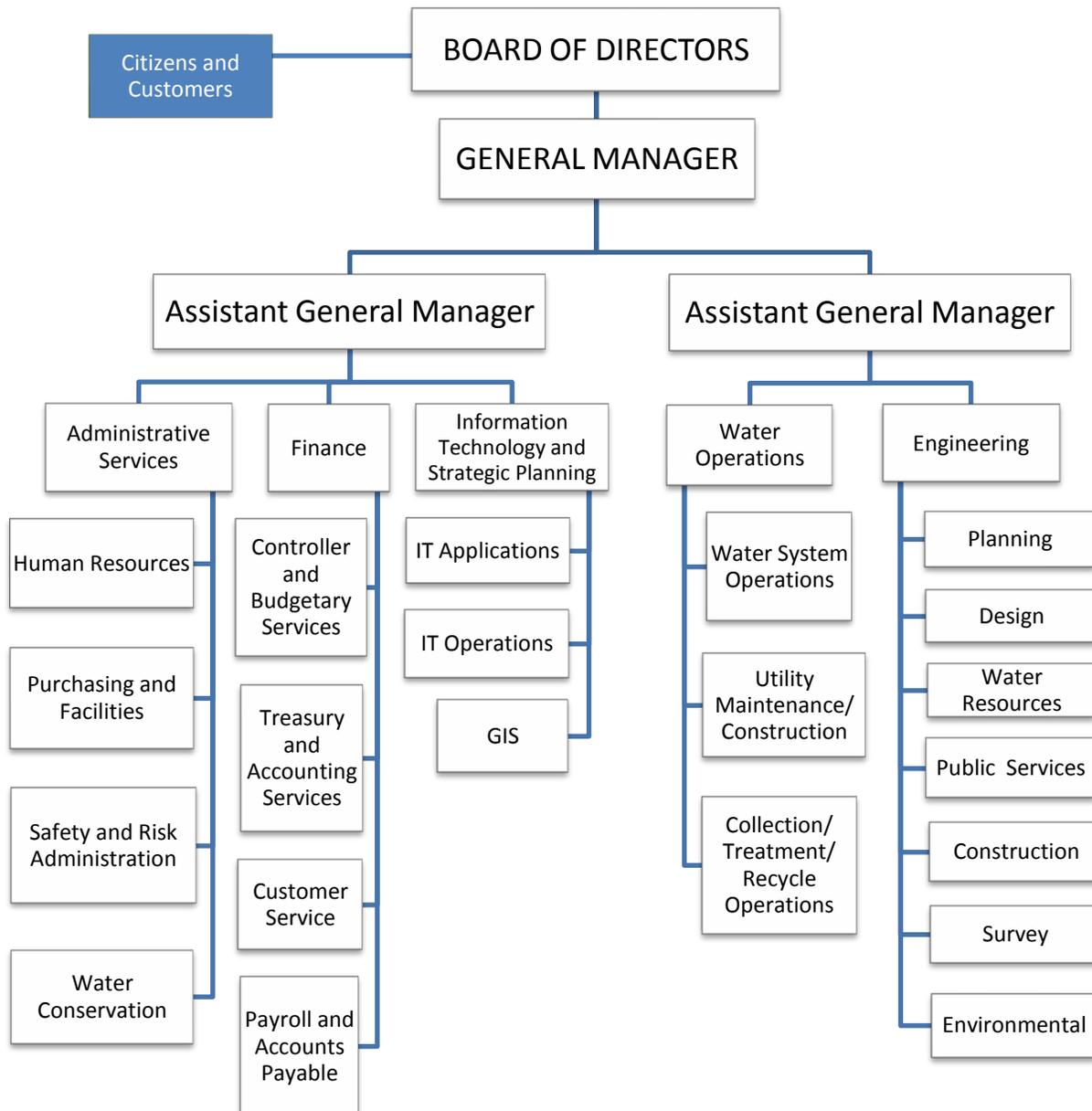
SANDAG creates and maintains a tremendous quantity of demographic, economic, land use, transportation and criminal justice information about the San Diego region. The demographic data include population characteristics like age, education, and employment. Because of the overlapping of the District's service area with the cities of Chula Vista, La Mesa, El Cajon, and the unincorporated areas of Spring Valley and Jamul, the following demographic data is from the City of Chula Vista as it most closely represents the District.

The population of Chula Vista has grown from 83,927 in 1980, to 135,136 in 1990, to 173,556 in 2000, and in 2009 the population reached 243,916. This represents an increase of 159,989 in the past 30 years or a 190.6% increase, which correlates to the District's rapid growth for the same period.

The racial make up of Chula Vista is 58% Hispanic, 20% White, 14% Asian, 4% Black, and the remaining 7% is all other groups. The median household income for Chula Vista was \$66,955 in 2009, and 92% of Chula Vista's housing units were occupied.



## Organization Chart



# CIP Budget Calendar

Each year, the Engineering Department prepares budget instructions for distribution to the departments. These instructions give direction and deadlines for each phase of the CIP budgeting process. The CIP Budget Process is explained on pages 13 and 14.

January 27, 2011	Budget workbooks and instructions for the Operating and Capital Budget are distributed to departments.
January 10, 2011 to February 28, 2011	<p>Departments begin CIP Budget Process which includes:</p> <ul style="list-style-type: none"> <li>• Review existing FY 2011 CIP projects.</li> <li>• Remove any CIPs that are complete or will not be budgeted in the CIP budget the next six years.</li> <li>• Estimate the total project-to-date expenditures through 6/30/11 for each CIP.</li> <li>• Adjust the annual amount for the remaining CIPs when appropriate and include justification for the changes to each year's changes.</li> <li>• Develop CIP project cost and schedules, unless more specific information is available.</li> <li>• Submit new CIP projects for consideration.</li> </ul>
March 3, 2011	Engineering Department reviews all CIP budget requests with Assistant General Manager and adjusts, if necessary.
March 8, 2011	FY12 CIP Six-Year Project Budget Development Review.
March 14, 2011	Engineering reviews and prepares CIP budget and submits to Finance for review and to incorporate into rate model to determine proposed rates.
March 25, 2011	CIP budget presented to the General Manager for review and comments.
April 4, 2011	Review Assumptions and Rates
April 14, 2011	General Manager performs preliminary review of budget.
May 5, 2011	Final review of proposed budget and rates is done by the General Manager.
May 16, 2011	Board of Directors adopts Fiscal Year 2011-2012 Operating and Capital Budget.

# CIP Budget Process

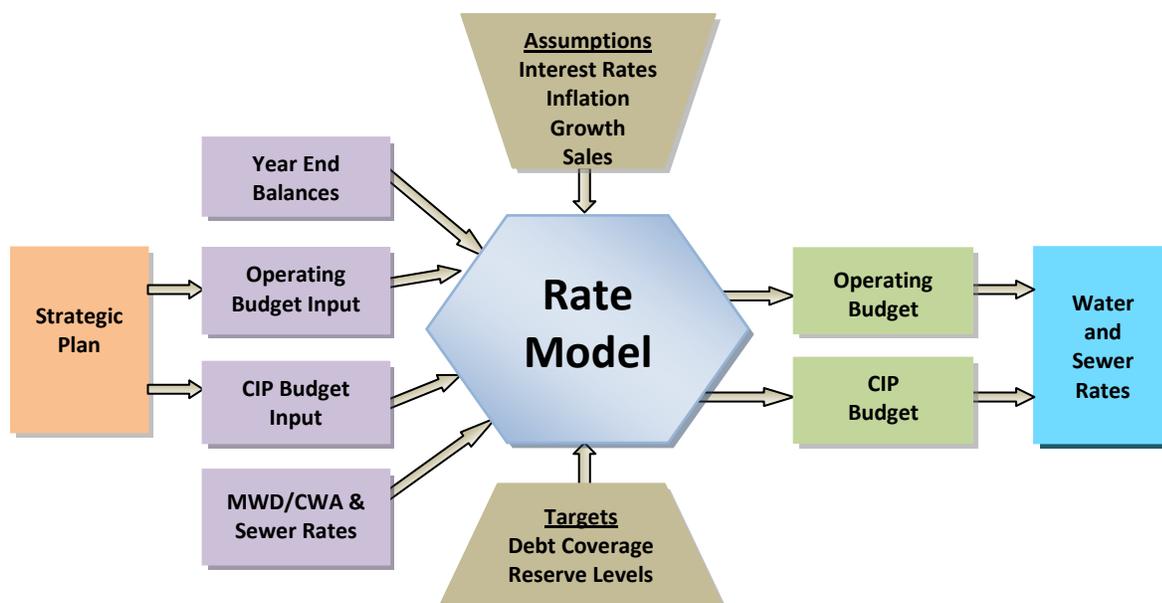
The District has integrated the Capital Improvement Program (CIP) Budget and the Operating Budget. Appropriate budget amounts are determined by using the historical data of operations, growth, developers' input, SANDAG projections, and the economic outlook. Additionally, these budgets are developed based on the District's Water Resources Master Plan and the Strategic Business Plan, both long-range planning tools.

To assure reliable, high-quality service to the growing customer base, the District has committed to a number of long-range strategies that drive the budgeting process. The strategies and assumptions used to develop the District's integrated budget are:

- An average projected long-term growth rate of 1.7%.
- Pass-through rate increases for costs imposed on the District by the wholesale water providers.
- Accurate projection of capital budget needs including replacement needs.
- Reserve funding in accordance with the Reserve Policy to meet future growth demands.
- Funding of the Strategic Plan initiatives categorized into the Balanced Scorecard perspectives.
- Avoidance of rate spikes by leveling rate increases over a six-year period.

The Engineering Department (Engineering) issues budget instructions for the CIP budget process. Each project manager receives a report of year-to-date project expenses and then estimates costs to the end of the fiscal year, plus future costs including inflation, to complete the project. Costs are adjusted for scope changes as well as construction cost increases. Engineering then compiles the CIP Budget and submits it to the Assistant General Managers and the General Manager for review prior to presentation to the Board of Directors.

Once these budgets have been calculated, the Finance Department inputs the operating revenues and expenses, CIP expenses, reserve funding, and reserve levels into the District's Rate Model.



## *CIP Budget Process*

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Inflators for cost and volume changes are input into the Rate Model and cost and rates are calculated for the current fiscal year plus five subsequent years. Using this comprehensive modeling tool, the District is able to smooth future rate increases, determine when debt should be issued, and maintain all of the reserve levels in accordance with its Reserve Policy.

In the spring, the Strategic Plan is presented to the Board of Directors for adoption. This is followed by the Finance and the Engineering Departments presenting to the Board of Directors their recommendations at a special budget meeting in May of each year. The adoption of the Strategic Plan and budget on an annual basis gives the District its direction for the following fiscal year.

During the year, each project manager receives monthly budget and cost reports on their assigned CIP projects. These reports are essential to monitor and control costs. As events occur or conditions change, modifications to or deviations from the original budget may be necessary. In the event the General Manager determines that an emergency exists which requires immediate action, he may transfer appropriations within the budget allocations or request that the Board of Directors increase the current budgeted funds.

All CIP budget adjustments and requests are submitted to the Engineering Department. The budgets are reviewed for accuracy, categorized into the appropriate project types and funding sources, and then prioritized based on need and timing of projects. Projects are reviewed to see if any grant funding is available and if so, estimated amounts are included as a funding source to these projects.

Engineering submits the consolidated CIP list to the Assistant General Managers and General Manager for review and approval. After any necessary adjustments, the CIP budget is submitted to the Board of Directors for approval each fiscal year along with the Operating Budget.

The District is accounted for and budgeted as an enterprise fund and conforms to the guidelines of generally accepted accounting principles (GAAP). The Budget Report is intended as a financial guide and may be modified by the Board of Directors during the 2012 fiscal year.



RESOLUTION NO. 4173

A RESOLUTION OF THE BOARD OF DIRECTORS OF  
OTAY WATER DISTRICT ADOPTING THE  
FISCAL YEAR 2011-2012  
OPERATING AND CAPITAL BUDGET AND  
THE PROPOSED WATER AND SEWER INCREASES AS  
AMENDED IN APPENDIX A, SCHEDULE OF FEES AND  
CHARGES AND AMENDMENTS TO SECTION 53, FEES,  
RATES, CHARGES AND CONDITIONS FOR SEWER  
SERVICE

WHEREAS, the Otay Water District Board of Directors have been presented with a budget for the operation of the Otay Water District for Fiscal Year 2011-2012; and

WHEREAS, the Operating and Capital Budget has been reviewed and considered by the Board,

WHEREAS, the amended Appendix A with the proposed water and sewer rate increases, as presented in the Fiscal Year 2011-2012 Operating and Capital Budget, have been reviewed and considered by the Board,

WHEREAS, Section 53 of the Code of Ordinances with the proposed changes have been reviewed and considered by the Board and it is in the interest of the District to adopt these changes effective July 1, 2011,

WHEREAS, it is in the interest of the District to adopt a budget for said year; and to adopt the water and sewer rate

increases on all billing cycles that begin in calendar year 2012.

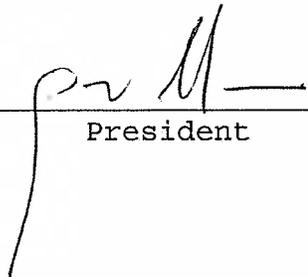
NOW, THEREFORE, BE IT RESOLVED, DETERMINED AND ORDERED by the Board of Directors of the Otay Water District that the Operating and Capital Budget for the operation of the District, incorporated herein by reference, is hereby adopted as the District's budget for Fiscal Year 2011-2012.

PASSED, APPROVED AND ADOPTED by the Board of Directors of Otay Water District at a special board meeting held this 16th day of May 2011, by the following vote:

Ayes: Directors Bonilla, Croucher, Gonzalez, Lopez and Robak  
Noes: None  
Abstain: None  
Absent: None

ATTEST:

  
\_\_\_\_\_  
District Secretary

  
\_\_\_\_\_  
President

# Capital Improvement Program

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The District provides water service to a population of approximately 206,500 which is expected to ultimately increase to 285,000 by the year 2035. This growth as well as the maintenance of existing assets requires long term capital planning. The process is dynamic, due to the evolving needs of the community, the water supply issues, and changing regulations, and therefore is part of the District's overall strategic planning. The capital planning process involves identifying current and future needs, and prioritizing them based on certain operating assumptions. The primary objective of this planning effort is to support an orderly and efficient program of expansion, new water supply, replacement and betterment, while maintaining a stable long-range financial plan.

To accommodate this growth requires that the District invest \$500 million in capital assets through ultimate build-out. The Fiscal Year 2012 Capital Budget is \$22.6 million and the six-year Capital Improvement Program (CIP) totals \$154.6 million. A separate CIP Budget Notebook contains the descriptions, justifications, expenditures, and funding for all the identified projects to ultimate build-out.

## **Assumptions and Criteria**

The CIP is developed based on the District's Water Resources Master Plan, incorporating historical data, growth, developers' input, SANDAG projections, and long-term economic outlook.

The Water Resources Master Plan was based on several major assumptions and design criteria as follows:

1. Utilizing historical water demands for each land use type in the District to calculate future demands.
2. Using maximum day peaking factors that vary with demand level.
3. Utilizing land use as planned by the City of Chula Vista.
4. Providing ten days of emergency water supply through a maximum of five days in covered reservoirs and a minimum of five days from interconnections with adjacent agencies.
5. Inclusion of emergency operational storage to meet the five-day covered storage requirement into the ten-day outage supply requirement.

## **CIP Justification and Impact on Operating Budget**

The justification for each project is determined by whether it is required due to growth (Expansion), new water sources (New Supply), improvements or upgrades (Betterment), or to replace an existing asset (Replacement). As these projects are completed and placed into service, there may be an impact on the Operating Budget by increasing costs in the areas of maintenance, energy, or chemicals as shown on the justification and impact pages in this section.

# *Capital Improvement Program*

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## **Capital Purchases and Facilities**

This year, all capital expenditures are in the CIP. This includes capital facilities and capital purchases. Capital purchases are non-recurring operating expenditures for assets that cost more than \$10,000 each and have an estimated useful life of two years or more. The Capital Purchase Projects include Vehicle, Office Equipment and Furniture, and Field Equipment purchases, the details of which can be found on pages 30-31. Capital Facility Projects are items that exceed \$10,000 or \$20,000 for infrastructure related items (as defined under Capital Equipment on page 186 of the Glossary) and have a useful life of at least two years.

The CIP projects are identified and are prioritized based on the following criteria:

1. Safety, restoration of service, immediate obligation, Board directed, or critical system need.
2. System upgrades or requirements to maintain system reliability in the next few fiscal years.
3. Need to meet the future growth of the system.
4. Project requirement may be reduced in capacity or may have low probability of need in the future.

The following are the four categories of CIP projects:

### **New Water Supply**

Facilities required to support new sources of water which are funded from new supply fees, or user rates.

### **Expansion**

Facilities required to support new or future users which are funded from capacity fees, or user rates.

### **Betterment**

Facilities required because of inadequate capacity or new requirements that benefit existing users and are funded from availability, betterment fees or rates.

### **Replacement**

Facilities required to renew or replace existing facilities that have deteriorated or have exceeded their useful life, funded from user rates.

# Major CIP Projects

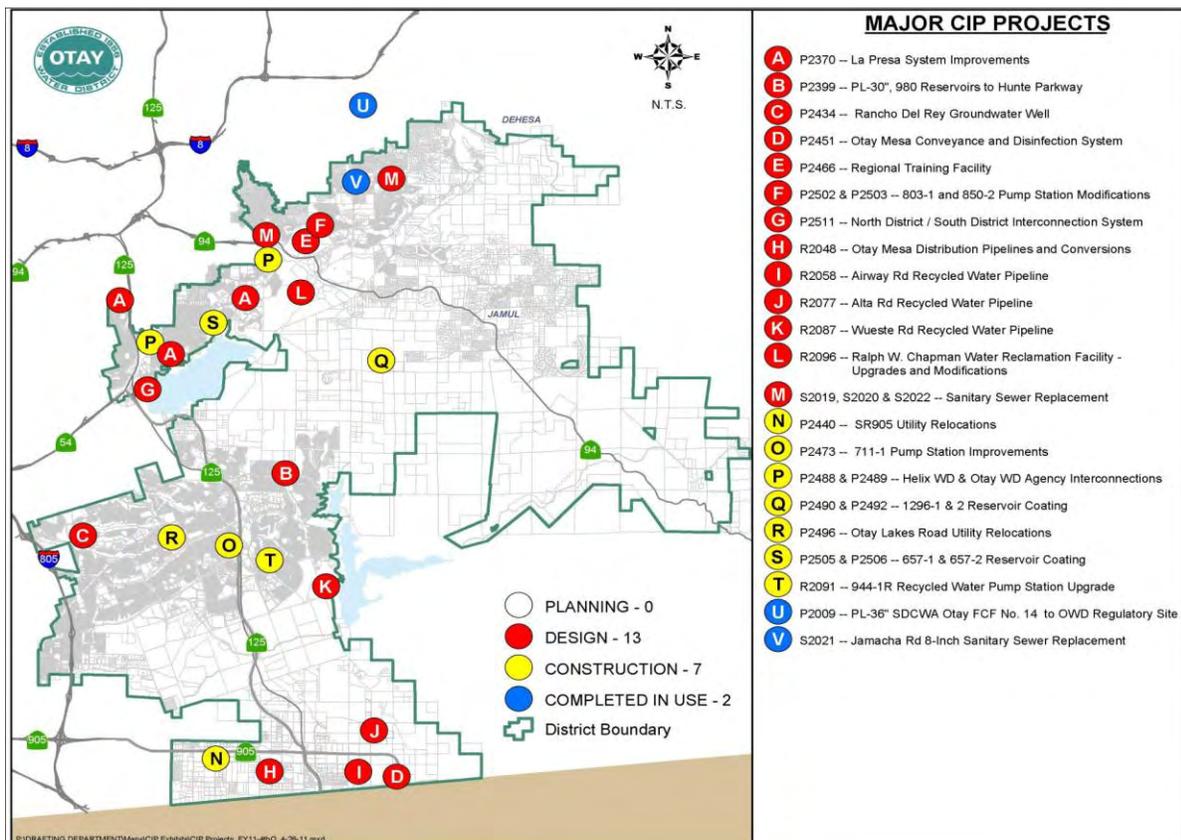
## Capital Improvement Projects

The 2012 Fiscal Year CIP Budget contains 74 projects. The cost of the work planned for Fiscal Year 2012 is \$22.6 million. Of the 74 projects planned for Fiscal Year 2012, only five are designated as reimbursable projects with estimated costs totaling \$5,000. These projects are built by developers and reimbursed by the District.

The following shows how the \$22.6 million of projects are broken down into four categories:

1. Capital facilities \$ 10.6 million
2. Replacement or renewal projects \$ 10.1 million
3. Capital purchase projects \$ 1.9 million
4. Developer reimbursement projects \$ 5 thousand

The Six-Year CIP and Fiscal Year 2012 Capital Budgets are consistent with the District's Water Resources Master Plan, current capacity fees, and the District's strategic financial objectives.



## *CIP Projects in Construction*

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### **1296-1 & 2 Reservoirs Coating (P2490 & P2492)**

This project was awarded to West Coast Industrial Coating, Inc. in February 2010. This project includes an assessment of the facilities to assure compliance to all applicable codes and OSHA standards as well as for the interior and exterior coatings of the 1296-1 & 2 Reservoirs.

**Key Component:** Interior and exterior coatings on the 1296-1 & 2 Reservoirs.

**Schedule:** A construction contract was awarded to West Coast Industrial Coating, Inc., on February 3, 2010. Project is approximately 98% complete. Project completion is anticipated for June 2011.

**Cost:** The combined FY 2011 project budgets for CIPs P2490 and P2492 are \$805,000, of which \$787,000 or 98% was spent. The life-to-date project budgets are \$1,025,000, of which \$999,000, or 97%.

**Significant Issues:** The contractor has failed two violable organic compound (VOC) tests, and as a result the completion of the project will not occur until July 2011. The contractor is recoating the interior with a 100% solids epoxy to ensure the VOC test passes.

**Highlights:** None.

## *CIP Projects in Construction*

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### **657-1 & 657-2 Reservoir Coating & Upgrades (P2505 & P2506)**

This project was awarded to Blastco, Inc. in January 2011. This project includes an assessment of the facilities to assure compliance to all applicable codes and OSHA standards as well as the for interior and exterior coatings of the 657-1 & 2 Reservoirs.

**Key Component:** Interior and exterior coatings on the 657-1 & 2 Reservoirs.

**Schedule:** A construction contract was awarded to Blastco, Inc., on January 5, 2011. Construction is approximately 75% complete. Project completion is anticipated for September 2011.

**Cost:** The combined FY 2011 project budgets for CIPs P2505 and P2506 are \$650,000, of which \$650,000, of which \$547,000 or 84% was spent. The life-to-date project budgets are \$750,000, of which \$547,000, or 73%, has been spent.

**Significant**

**Issues:** None.

**Highlights:** None.

# CIP Projects in Construction



## Del Rio Road & Gillespie Drive Emergency Interconnections (P2488 & P2489)

This project was awarded to LH Woods & Sons in February 2011. This project includes two emergency interconnection vaults with Helix Water District. The work includes a 6-inch meter, vault, and SCADA equipment.

**Key Component:** Installation of two 6-inch meters, vaults, SCADA, and telemetry equipment for an interconnection with Helix Water District.

**Schedule:** A construction contract was awarded to LH Woods & Sons on February 2, 2011. Construction is approximately 9% complete. Project completion is anticipated for August 2011.

**Cost:** The combined FY 2011 project budgets for CIPs P2488 and P2489 are \$600,000. Project to be completed in September 2011.

**Significant Issues:**

None.

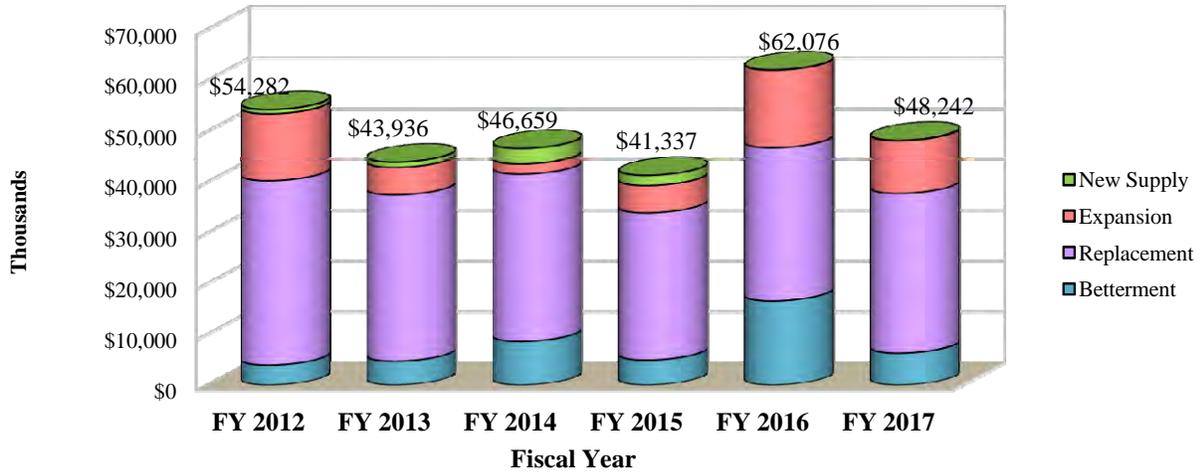
**Highlights:**

Otay and Helix Water District have an agreement in place to split 50% of the cost for design, construction, and maintenance of the facilities. Otay will receive the reimbursement after construction is complete.

# CIP Reserve Funds

The CIP Reserve Funds presentation, shown on the following pages, is designed to provide an understanding of how the funding of CIPs is expected to financially influence the District over the next six years. The financial impacts are based on CIP and its funding sources, including fund transfers in accordance with the District’s Reserve Policy, and planned debt issuances. This data is captured in the District’s Rate Model on an annual basis in order to make these projections.

**Reserve Fund Balances**

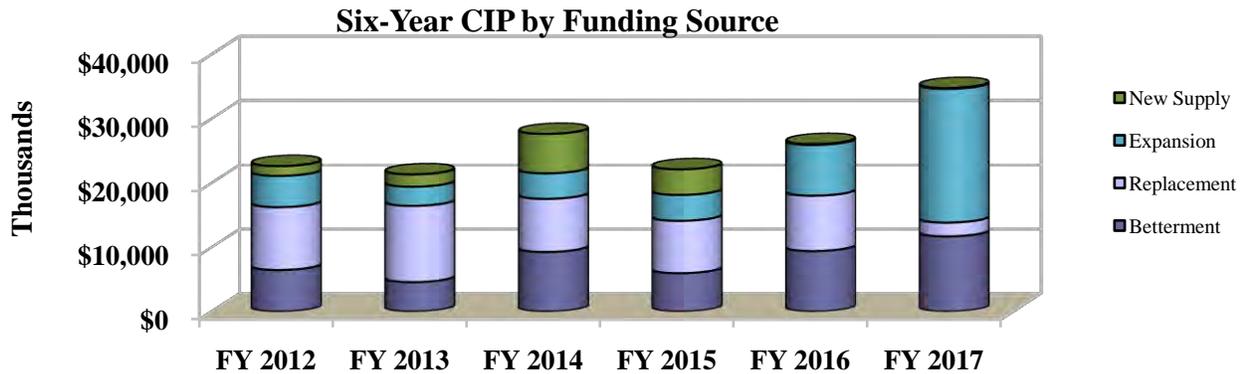


(Thousand \$000s)	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Total
<b>Beginning Balance</b>	\$ 71,250	\$ 54,282	\$ 43,963	\$ 46,659	\$ 41,337	\$ 62,076	
Capacity Fees	\$ 3,765	\$ 5,578	\$ 5,893	\$ 8,184	\$ 9,091	\$ 10,485	\$ 42,998
Debt financing	-	-	17,985	-	28,365	-	46,350
Grants	574	618	700	500	500	500	3,392
Interest	625	731	897	1,087	1,528	2,163	7,031
Betterment Charges	714	735	757	780	803	827	4,616
Temporary Meters	594	594	595	597	601	602	3,582
Availability (Betterment Portion)	531	547	563	579	597	615	3,431
New Supply Fee	389	591	634	852	943	1,083	4,492
COPS 2010B Reimbursement	830	830	830	830	830	830	4,981
Transfer from General Fund	7,040	9,669	10,666	12,997	14,162	15,260	69,794
Interfund Transfers	37	56	75	94	112	150	523
<b>Total Sources</b>	<b>15,098</b>	<b>19,948</b>	<b>39,595</b>	<b>26,500</b>	<b>57,533</b>	<b>32,516</b>	<b>191,190</b>
CIP Projects	22,632	21,346	27,630	22,138	26,049	34,764	154,559
Betterment Fees for Maintenance	655	65	66	67	68	70	991
Debt Service	7,735	7,891	8,349	8,754	9,806	10,636	53,171
Developer Services	1,044	966	854	862	871	880	5,477
<b>Total Uses</b>	<b>32,066</b>	<b>30,268</b>	<b>36,899</b>	<b>31,822</b>	<b>36,794</b>	<b>46,349</b>	<b>214,198</b>
<b>Net Sources (Uses)</b>	<b>\$ (16,968)</b>	<b>\$ (10,319)</b>	<b>\$ 2,696</b>	<b>\$ (5,322)</b>	<b>\$ 20,739</b>	<b>\$ (13,834)</b>	<b>\$ (23,008)</b>

# CIP Funding Source and Category

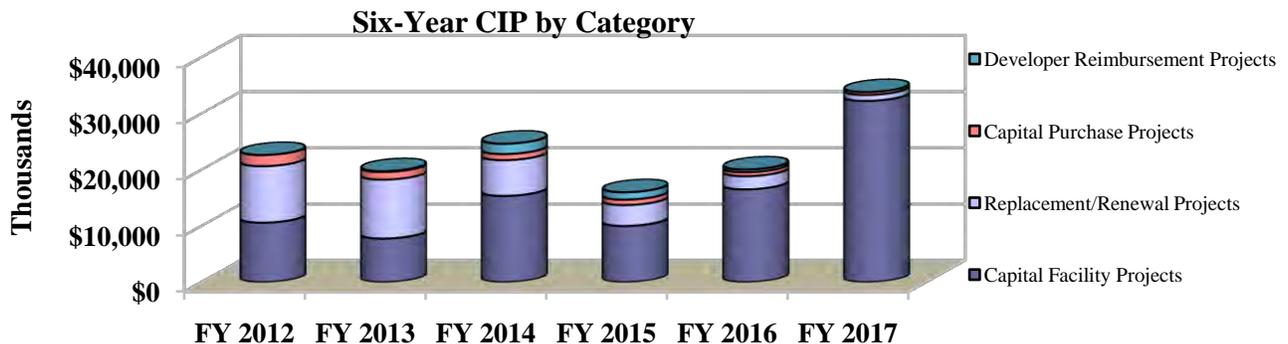
## CIP Funding Source

(Thousands \$000s)	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	TOTAL
Expansion	\$ 4,866	\$ 2,972	\$ 3,965	\$ 4,033	\$ 7,890	\$ 20,789	\$ 44,515
Betterment	6,472	4,585	9,279	5,970	9,420	11,700	47,426
Replacement	9,774	11,869	8,266	8,155	8,619	2,155	48,838
New Supply	1,520	1,920	6,120	3,980	120	120	13,780
<b>TOTAL</b>	<b>\$ 22,632</b>	<b>\$ 21,346</b>	<b>\$ 27,630</b>	<b>\$ 22,138</b>	<b>\$ 26,049</b>	<b>\$ 34,764</b>	<b>\$ 154,559</b>



## CIP Category

(Thousands \$000s)	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	TOTAL
Capital Facility Projects	\$ 10,595	\$ 7,760	\$ 15,350	\$ 10,010	\$ 16,510	\$ 32,239	\$ 92,464
Replacement/Renewal Projects	10,059	10,499	6,365	3,720	2,355	1,080	34,078
Capital Purchase Projects	1,973	1,360	1,080	965	714	495	6,587
Developer Reimbursement Projects	5	132	1,845	1,314	470	-	3,766
Subtotal	22,632	19,751	24,640	16,009	20,049	33,814	136,895
FY 2013 Through FY 2017 Projects	-	1,595	2,990	6,129	6,000	950	17,664
<b>TOTAL</b>	<b>\$ 22,632</b>	<b>\$ 21,346</b>	<b>\$ 27,630</b>	<b>\$ 22,138</b>	<b>\$ 26,049</b>	<b>\$ 34,764</b>	<b>\$ 154,559</b>



# CIP Projects (\$1,000s)

The 2012 Fiscal Year CIP Budget contains 74 projects. The costs for the work planned for Fiscal Year 2012 is \$22.6 million. Of the 74 projects planned for Fiscal Year 2012, five are designated as reimbursable projects with an estimated cost of \$5,000. This project is built by a developer and reimbursed by the District.

CIP No.	Description	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	Total
<b>CAPITAL FACILITY PROJECTS</b>								
P2009	PL - 36-Inch, SDCWA Otay FCF No. 14 to Regulatory Site	\$ 300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300
P2370	La Presa System Improvements	600	135	-	-	-	-	735
P2434	Rancho Del Rey Groundwater Well Development	850	2,600	-	-	-	-	3,450
P2451	Otay Mesa Desalination Facility Conveyance and Disinfection System	2,350	2,000	15,000	9,650	-	-	29,000
P2466	Regional Training Facility	20	-	-	-	-	-	20
P2467	San Diego Formation Groundwater Feasibility Study	400	-	-	-	-	-	400
P2473	PS - 711-1 Pump Station Improvement	300	100	-	-	-	-	400
P2488	Del Rio Road Helix and Otay Agency Interconnection	150	-	-	-	-	-	150
P2489	Gillespie Drive Helix and Otay Agency Interconnection	150	-	-	-	-	-	150
P2497	Solar Power Feasibility Study	25	75	50	60	-	-	210
P2502	803-1 Pump Station Modifications	425	100	-	-	-	-	525
P2503	850-2 Pump Station Modifications	325	100	-	-	-	-	425
P2511	North District - South District Interconnection System	1,400	800	-	-	15,400	19,200	36,800
P2514	PL - 30-Inch, 980 Zone, Hunte Parkway - Proctor Valley/Use Area	750	750	-	-	-	-	1,500
P2517	Chase Avenue Helix and Otay Interconnection	100	300	-	-	-	-	400
R2048	RecPL - Otay Mesa Distribution Pipelines and Conversions	100	-	-	-	810	1,040	1,950
R2058	RecPL - 16-Inch, 860 Zone, Airway Road - Otay Mesa/Alta	150	150	-	-	-	2,100	2,400
R2077	RecPL - 24-Inch, 860 Zone, Alta Road - Alta Gate/Airway	350	350	-	-	-	1,774	2,474
R2087	RecPL - 24-Inch, 927 Zone, Wueste Road - Olympic/Otay WTP	150	-	-	-	-	5,975	6,125
R2091	RecPS - 927-1 Pump Station Upgrade (10,000 GPM) and Sys Enhancements	1,500	100	-	-	-	1,850	3,450
R2094	Potable Irrigation Meters to Recycled Water Conversions	200	200	300	300	300	300	1,600
<b>21</b>	<b>Total Capital Facility Projects</b>	<b>10,595</b>	<b>7,760</b>	<b>15,350</b>	<b>10,010</b>	<b>16,510</b>	<b>32,239</b>	<b>92,464</b>
<b>REPLACEMENT/RENEWAL PROJECTS</b>								
P2366	APCD Engine Replacements and Retrofits	295	232	234	200	200	200	1,361
P2382	Safety and Security Improvements	480	300	300	300	300	300	1,980
P2416	SR-125 Utility Relocations	48	-	-	-	-	-	48
P2440	I-905 Utility Relocations	25	9	-	-	-	-	34
P2453	SR-11 Utility Relocations	50	50	50	-	-	-	150
P2458	AMR Manual Meter Replacement	1,400	1,400	1,400	650	-	-	4,850
P2477	Res - 624-1 Reservoir Cover Replacement	200	200	-	-	-	-	400
P2484	Large Water Meter Replacement Program	220	150	100	-	-	-	470
P2485	SCADA Communication System and Software Replacement	350	475	155	-	-	-	980
P2486	Asset Management Plan Condition Assessment and Data Acquisition	400	100	-	-	-	-	500
P2491	850-3 Reservoir Exterior Coating	200	80	-	-	-	-	280
P2493	624-2 Reservoir Interior Coating	30	70	700	120	-	-	920
P2494	Multiple Species Conservation Plan	90	20	-	-	-	-	110
P2495	San Miguel Habitat Management/Mitigation Area	250	250	250	250	250	250	1,500
P2496	Otay Lakes Road Utility Relocations	25	75	-	-	-	-	100
P2504	Regulatory Site Access Road and Pipeline Relocation	100	300	198	-	-	-	598
P2505	657-1 Reservoir Interior/Exterior Coating	25	-	-	-	-	-	25
P2506	657-2 Reservoir Interior/Exterior Coating	25	-	-	-	-	-	25
P2507	East Palomar Street Utility Relocation	350	285	150	-	-	-	785
P2508	Pipeline Cathodic Protection Replacement Program	50	80	-	-	-	-	130
P2513	East Orange Avenue Bridge Crossing	5	40	300	400	5	-	750
P2515	870-1 Reservoir Paving	25	275	-	-	-	-	300
P2520	Motorola Mobile Radio Upgrade	50	50	-	-	-	-	100
P2521	Large Meter Vault Upgrade Program	200	200	200	-	-	-	600
R2096	RWCWRF - Upgrades and Modifications	2,000	1,750	-	-	-	-	3,750
R2099	Recycled System Air and Vacuum Value Retrofit	234	233	233	-	-	-	700
S2012	SVSD Outfall and RSD Replacement and OM Reimbursement	642	350	300	300	300	300	2,192
S2019	Avocado Boulevard 8-Inch Sewer Main Improvement	1,400	200	-	-	-	-	1,600
S2020	Calavo Drive 8-Inch Sewer Main Replacement	370	110	-	-	-	-	480
S2022	Hidden Mesa Drive 8-Inch Sewer Main Rehabilitation	80	40	-	-	-	-	120
S2023	Calavo Drive Sewer Main Utility Relocation	50	-	-	-	-	-	50
S2024	Campo Road Sewer Main Replacement	10	150	250	1,500	1,300	30	3,240
S2026	Challenge Boulevard 8-Inch Sewer Main Replacement	25	200	25	-	-	-	250
S2027	Rancho San Diego Pump Station Rehabilitation	100	1,300	1,400	-	-	-	2,800
S2028	Explorer Way 8-Inch Sewer Main Replacement	20	100	5	-	-	-	125
S2029	Chase Avenue 8-Inch Sewer Main Replacement	20	100	5	-	-	-	125
S2030	Avocado Boulevard 8-Inch Sewer Main Replacement	50	250	25	-	-	-	325
S2031	Julianna Street 8-Inch Sewer Main Replacement	20	125	5	-	-	-	150
S2032	Puebla Drive 8-Inch Sewer Main Replacement	20	100	5	-	-	-	125
S2033	Sewer System Various Locations Rehabilitation	100	650	50	-	-	-	800
S2034	Vista Grande and Paseo Grande 8-Inch Sewer Main Replacement	25	200	25	-	-	-	250
<b>41</b>	<b>Total Replacement/Renewal Projects</b>	<b>10,059</b>	<b>10,499</b>	<b>6,365</b>	<b>3,720</b>	<b>2,355</b>	<b>1,080</b>	<b>34,078</b>

# CIP Projects (\$1,000s)

CIP No.	Description	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	Total
<b>CAPITAL PURCHASE PROJECTS</b>								
P2282	Vehicle Capital Purchases	395	640	520	470	420	400	2,845
P2285	Office Equipment and Furniture Capital Purchases	60	20	20	20	20	20	160
P2286	Field Equipment Capital Purchases	278	100	90	75	74	75	692
P2443	Information Technology Mobile Services	250	100	-	-	-	-	350
P2461	Records Management System Upgrade	100	-	-	-	-	-	100
P2469	Information Technology Network and Hardware	460	300	250	200	-	-	1,210
P2470	Application Systems Development and Integration	430	200	200	200	200	-	1,230
7	<b>Total Capital Purchase Projects</b>	<b>1,973</b>	<b>1,360</b>	<b>1,080</b>	<b>965</b>	<b>714</b>	<b>495</b>	<b>6,587</b>
<b>DEVELOPER REIMBURSEMENT PROJECTS</b>								
P2325	PL - 10" to 12" Oversize, 1296 Zone, PB Road-Rolling H Hydro PS/PB Bndy	1	49	-	-	-	-	50
R2082	RecPL - 24-Inch, 680 Zone, Olympic Parkway - Village 2/Heritage	1	4	795	946	-	-	1,746
R2083	RecPL - 20-Inch, 680 Zone, Heritage Road - Village 2/Olympic	1	4	395	-	-	-	400
R2084	RecPL - 20-Inch, 680 Zone, Village 2 - Heritage/La Media	1	74	75	350	470	-	970
R2085	RecPL - 20-Inch, 680 Zone, La Media - State/Olympic	1	1	580	18	-	-	600
5	<b>Total Developer Reimbursement Projects</b>	<b>5</b>	<b>132</b>	<b>1,845</b>	<b>1,314</b>	<b>470</b>	<b>-</b>	<b>3,766</b>
74	<b>Total - FY 2012 Projects</b>	<b>22,632</b>	<b>19,751</b>	<b>24,640</b>	<b>16,009</b>	<b>20,049</b>	<b>33,814</b>	<b>136,895</b>
11	<b>FY 2013 Through FY 2017 Projects</b>	<b>-</b>	<b>1,595</b>	<b>2,990</b>	<b>6,129</b>	<b>6,000</b>	<b>950</b>	<b>17,664</b>
85	<b>Grand Totals</b>	<b>\$ 22,632</b>	<b>\$ 21,346</b>	<b>\$ 27,630</b>	<b>\$ 22,138</b>	<b>\$ 26,049</b>	<b>\$ 34,764</b>	<b>\$ 154,559</b>

# CIP Justification and Impact on Operating Budget

The following schedule shows anticipated operating costs associated with each project in the CIP. Below is a summary of each category of new costs that will be impacted. No additional revenues are associated with the individual projects, as revenues are linked more directly to growth in water sales and capacity fee revenues.

Projected Incremental Operating Expenditures <sup>(1)</sup>									
CIP No.	Description	J/FS (2)	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	Total (3)
<b>CAPITAL FACILITY PROJECTS</b>									
P2009	PL - 36-Inch, SDCWA Otay FCF No. 14 to Regulatory Site	E/B	\$ 9,300	\$ 9,600	\$ 9,900	\$ 10,200	\$ 10,500	\$ 10,800	\$ 60,300
P2370	La Pressa System Improvements	B	-	(1,900)	(2,000)	(2,100)	(2,200)	(2,300)	(10,500)
P2434	Rancho Del Rey Groundwater Well Development	N/B	-	-	-	8,900	9,200	9,500	27,600
P2451	Otay Mesa Desalination Facility Conveyance and Disinfection System	N/B	-	-	-	-	3,400	3,500	6,900
P2502	803-1 Pump Station Modifications	B	-	(40,950)	(81,900)	(84,400)	(86,900)	(89,500)	(383,650)
P2503	850-2 Pump Station Modifications	B	-	(25,200)	(50,400)	(51,900)	(53,500)	(55,100)	(236,100)
P2514	PL - 30-Inch, 980 Zone, Hunte Parkway - Proctor Valley/Use Area	E	-	-	700	700	700	700	2,800
<b>Total Capital Facility Projects</b>			<b>\$ 9,300</b>	<b>\$ (58,450)</b>	<b>\$ (123,700)</b>	<b>\$ (118,600)</b>	<b>\$ (118,800)</b>	<b>\$ (122,400)</b>	<b>\$ (532,650)</b>
<b>REPLACEMENT/RENEWAL PROJECTS</b>									
P2458	AMR Manual Meter Replacement	R	-	-	-	-	(226,400)	(233,200)	(459,600)
<b>Total Replacement/Renewal Projects</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>(226,400)</b>	<b>(233,200)</b>	<b>(459,600)</b>
<b>CAPITAL PURCHASE PROJECTS</b>									
P2443	Information Technology Mobile Services	E/R	-	-	-	18,000	18,500	19,100	55,600
<b>Total Capital Purchase Projects</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>18,000</b>	<b>18,500</b>	<b>19,100</b>	<b>55,600</b>
<b>DEVELOPER REIMBURSEMENT PROJECTS</b>									
P2104	PL - 12-Inch, 711 Zone, La Media Road - Birch/Rock Mountain	E	-	-	-	-	2,000	2,100	4,100
P2107	PL - 12-Inch, 711 Zone, Rock Mountain Road - La Media/SR 125	E	-	-	-	-	1,700	1,800	3,500
P2325	PL - 10" to 12" Oversize, 1296 Zone, PB Road-Rolling H Hydro PS/PB Bndy	E	-	-	2,300	2,400	2,500	2,600	9,800
P2402	PL - 12-Inch, 624 Zone, La Media Road - Village 7/Otay Valley	E	-	-	-	-	1,000	1,000	2,000
P2403	PL - 12-Inch, 624 Zone, Heritage Road - Olympic/Otay Valley	E	-	-	-	-	3,100	3,200	6,300
R2028	RecPL - 8-Inch, 680 Zone, Heritage Road - Santa Victoria/Otay Valley	E	-	-	-	-	2,400	2,500	4,900
R2042	RecPL - 8-Inch, 927 Zone, Rock Mountain Road - SR-125/EastLake	E	-	-	-	900	900	900	2,700
R2047	RecPL - 12-Inch, 680 Zone, La Media Road - Birch/Rock Mountain	E	-	-	-	1,400	1,400	1,400	4,200
R2082	RecPL - 24-Inch, 680 Zone, Olympic Parkway - Village 2/Heritage	E	-	-	-	-	1,200	1,200	2,400
R2083	RecPL - 20-Inch, 680 Zone, Heritage Road - Village 2/Olympic	E	-	-	-	700	700	700	2,100
R2084	RecPL - 20-Inch, 680 Zone, Village 2 - Heritage/La Media	E	-	-	-	-	-	1,900	1,900
R2085	RecPL - 20-Inch, 680 Zone, La Media - State/Olympic	E	-	-	-	-	1,300	1,300	2,600
<b>Total Developer Reimbursement Projects</b>			<b>-</b>	<b>-</b>	<b>2,300</b>	<b>5,400</b>	<b>18,200</b>	<b>20,600</b>	<b>46,500</b>
<b>Total Operating Budget Cost Impact</b>			<b>\$ 9,300</b>	<b>\$ (58,450)</b>	<b>\$ (121,400)</b>	<b>\$ (95,200)</b>	<b>\$ (308,500)</b>	<b>\$ (315,900)</b>	<b>\$ (890,150)</b>

Cost Category	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	Total
Operations and Maintenance	\$ 9,300	\$ 8,600	\$ 11,800	\$ 34,500	\$ (175,000)	\$ (178,300)	\$ (289,100)
Energy	-	(66,150)	(132,300)	(128,700)	(132,500)	(136,500)	(596,150)
Chemical	-	(900)	(900)	(1,000)	(1,000)	(1,100)	(4,900)
<b>Total Operating Budget Cost Impact</b>	<b>\$ 9,300</b>	<b>\$ (58,450)</b>	<b>\$ (121,400)</b>	<b>\$ (95,200)</b>	<b>\$ (308,500)</b>	<b>\$ (315,900)</b>	<b>\$ (890,150)</b>

- <sup>(1)</sup> Projected Incremental Operating Expenditures (operating cost) or O&M includes labor, benefits, materials and overhead.  
O&M cost for pipes: Total annual operating cost divided by the number of feet of pipe in the system = O&M cost to maintain a foot of pipe. This rate is then multiplied by the number of feet in new pipeline, and is increased annually for inflation.  
O&M cost for a pump station: Total annual operating cost divided by the number of million of gallons a day (MGD) capacity in the system = O&M cost per MGD. This rate is then multiplied by the MGD capacity of the new pump station. Similarly, power cost per MGD for transmission is calculated and applied to the MGD of the new pump station. Chemical expenses are incurred for pumping at the well sites. All estimated costs are increased annually for inflation.  
O&M cost for a reservoir: Total annual operating cost divided by the number of million gallons (MG) of storage capacity in the system. This rate per MG is then multiplied by the MG capacity of the new reservoir. Reservoirs require chemical treatment; therefore, the chemical cost per MG is estimated and applied to the future operating cost. Both O&M and chemical costs are increased annually for inflation.  
Each of the capital purchases and other types of assets has its own unique O&M cost.
- <sup>(2)</sup> J/FS - Justification and Funding Source - Some projects have multiple funding sources as indicated by a slash (/):  
E - Expansion B - Betterment R - Replacement N - New Supply
- <sup>(3)</sup> Negative cost reflect savings gained from operational efficiencies or the retirement of a facility.

**Note:** See pages 181-182 for complete description of CIP projects.

**Otay Water District  
FY 2012 - FY 2017  
CIP Project Schedule**

ID	CIP	CIP Project Title	Start	Finish	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17				
1		<b>Project Category: Capital Facility Projects</b>	Fri 7/1/94	Thu 6/29/17	[Timeline bar]																											
2	P2009	PL - 36-Inch, SDCWA Otay FCF No. 14 to Regulatory Site	Tue 7/1/97	Fri 12/30/11																												
3	P2083	PS - 870-2 Pump Station Replacement (28,000 GPM)	Mon 7/3/95	Wed 6/29/16																												
4	P2267	36-Inch Main Pumpouts and Air/Vacuum Ventilation Installations	Tue 7/1/97	Fri 6/28/13																												
5	P2370	La Presa System Improvements	Fri 7/1/05	Fri 7/27/12																												
6	P2434	Rancho Del Rey Groundwater Well Development	Fri 7/1/94	Mon 4/29/13																												
7	P2451	Otay Mesa Desalination Conveyance and Disinfection System	Mon 7/3/06	Mon 6/29/15																												
8	P2466	Regional Training Facility	Tue 8/1/06	Fri 6/29/12																												
9	P2467	San Diego Formation Groundwater Feasibility Study	Mon 7/2/07	Fri 6/29/12																												
10	P2473	PS - 711-1 Pump Station Improvement	Thu 1/1/09	Fri 12/28/12																												
11	P2488	Del Rio Road Helix and Otay Interconnection	Wed 7/1/09	Thu 12/29/11																												
12	P2489	Gillespie Drive Helix and Otay Interconnection	Wed 7/1/09	Thu 12/29/11																												
13	P2497	Solar Power Feasibility Study	Wed 7/1/09	Mon 6/29/15																												
14	P2502	803-1 Pump Station Modifications	Thu 7/1/10	Fri 12/28/12																												
15	P2503	850-2 Pump Station Modifications	Thu 7/1/10	Fri 12/28/12																												
16	P2511	North District - South District Interconnection System	Thu 7/1/10	Thu 6/29/17																												
17	P2514	PL - 30-Inch, 980 Zone, Hunte Parkway - Proctor Valley/Use Area	Fri 7/1/11	Fri 6/28/13																												
18	P2516	PL - 12-Inch, 640 Zone, Jamacha Road - Darby/Osage	Mon 7/1/13	Fri 6/27/14																												
19	P2517	Chase Avenue Helix and Otay Interconnection	Fri 7/1/11	Fri 9/28/12																												
20	R2048	RecPL - Otay Mesa Distribution Pipelines and Conversions	Tue 7/1/08	Thu 6/29/17																												
21	R2058	RecPL - 16-Inch, 860 Zone, Airway Road - Otay Mesa/Alta	Mon 7/2/01	Thu 6/29/17																												
22	R2077	RecPL - 24-Inch, 860 Zone, Alta Road - Alta Gate/Airway	Mon 7/2/01	Thu 6/29/17																												
23	R2087	RecPL - 24-Inch, 927 Zone, Wueste Road - Olympic/Otay WTP	Fri 9/1/06	Thu 6/29/17																												
24	R2091	RecPS - 927-1 Pump Station Upgrade (10,000 GPM) and System Enhancements	Mon 7/2/07	Thu 6/29/17																												
25	R2094	Potable Irrigation Meters to Recycled Water Conversions	Wed 7/1/09	Thu 6/29/17																												
26					[Timeline bar]																											
27		<b>Project Category: Replacement/Renewal Projects</b>	Fri 12/1/00	Thu 6/29/17	[Timeline bar]																											
28	P2366	APCD Engine Replacements and Retrofits	Fri 12/1/00	Thu 6/29/17																												
29	P2382	Safety and Security Improvements	Mon 7/1/02	Thu 6/29/17																												
30	P2416	SR-125 Utility Relocations	Tue 10/1/02	Fri 6/29/12																												
31	P2440	I-905 Utility Relocations	Wed 1/1/03	Fri 6/28/13																												
32	P2453	SR-11 Utility Relocations	Mon 7/3/06	Fri 6/27/14																												
33	P2458	AMR Manual Meter Replacement	Mon 7/3/06	Mon 6/29/15																												
34	P2477	Res - 624-1 Reservoir Cover Replacement	Tue 7/1/08	Fri 12/28/12																												
35	P2484	Large Water Meter Replacement Program	Wed 7/1/09	Fri 6/27/14																												
36	P2485	SCADA Communication System and Software Replacement	Wed 7/1/09	Fri 6/27/14																												
37	P2486	Asset Management Plan Condition Assessment and Data Acquisition	Wed 7/1/09	Fri 6/28/13																												
38	P2491	850-3 Reservoir Exterior Coating	Wed 7/1/09	Fri 6/28/13																												
39	P2493	624-2 Reservoir Interior Coating	Wed 7/1/09	Mon 6/29/15																												
40	P2494	Multiple Species Conservation Plan	Wed 7/1/09	Fri 6/28/13																												
41	P2495	San Miguel Habitat Management/Mitigation Area	Wed 7/1/09	Thu 6/29/17																												
42	P2496	Otay Lakes Road Utility Relocations	Wed 7/1/09	Fri 6/28/13																												
43	P2504	Regulatory Site Access Road and Pipeline Relocation	Thu 7/1/10	Fri 9/27/13																												
44	P2505	657-1 Reservoir Interior/Exterior Coating	Thu 7/1/10	Fri 6/29/12																												
45	P2506	657-2 Reservoir Interior/Exterior Coating	Thu 7/1/10	Fri 6/29/12																												
46	P2507	East Palomar Street Utility Relocation	Thu 7/1/10	Fri 6/27/14																												
47	P2508	Pipeline Cathodic Protection Replacement Program	Thu 7/1/10	Fri 6/28/13																												
48	P2513	East Orange Avenue Bridge Crossing	Fri 7/1/11	Wed 6/29/16																												
49	P2515	870-1 Reservoir Paving	Fri 7/1/11	Fri 6/28/13																												
50	P2518	803-3 Reservoir Interior/Exterior Coating	Fri 7/1/11	Fri 9/27/13																												
51	P2519	832-2 Reservoir Interior/Exterior Coating	Fri 7/1/11	Fri 9/27/13																												

Project: OWD FY 2011 CIP Schedule Date: Wed 8/17/11

■ Task ▬ Milestone ◆ Rolled Up Task ▬ Rolled Up Progress ▬ External Tasks ▬ Group By Summary  
▬ Progress ▬ Summary ▬ Rolled Up Milestone ▬ Split ▬ Project Summary ▬ Deadline

**Otay Water District  
FY 2012 - FY 2017  
CIP Project Schedule**

ID	CIP	CIP Project Title	Start	Finish	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
52	P2520	Motorola Mobile Radio Upgrade	Mon 8/1/11	Mon 10/29/12																								
53	P2521	Large Meter Vault Upgrade Program	Mon 8/1/11	Fri 12/27/13																								
54	R2096	RWCWRF - Upgrades and Modifications	Wed 7/1/09	Fri 6/28/13																								
55	R2099	Recycled System Air and Vacuum Value Retrofit	Fri 7/1/11	Fri 6/27/14																								
56	S2012	SVSD Outfall and RSD Replacement and OM Reimbursement	Tue 7/1/03	Thu 6/29/17																								
57	S2019	Avocado Boulevard 8-Inch Sewer Main Improvement	Wed 7/1/09	Fri 12/28/12																								
58	S2020	Calavo Drive 8-Inch Sewer Main Replacement	Wed 7/1/09	Fri 12/28/12																								
59	S2022	Hidden Mesa Drive 8-Inch Sewer Main Rehabilitation	Wed 7/1/09	Fri 12/28/12																								
60	S2023	Calavo Drive Sewer Main Utility Relocation	Wed 7/1/09	Fri 6/29/12																								
61	S2024	Campo Road Sewer Main Replacement	Thu 7/1/10	Thu 6/29/17																								
62	S2026	Challenge Boulevard 8-Inch Sewer Main Replacement	Fri 7/1/11	Mon 9/29/14																								
63	S2027	Rancho San Diego Pump Station Rehabilitation	Fri 7/1/11	Mon 9/29/14																								
64	S2028	Explorer Way 8-Inch Sewer Main Replacement	Fri 7/1/11	Mon 9/29/14																								
65	S2029	Chase Avenue 8-Inch Sewer Main Replacement	Fri 7/1/11	Mon 9/29/14																								
66	S2030	Avocado Boulevard 8-Inch Sewer Main Replacement	Fri 7/1/11	Mon 9/29/14																								
67	S2031	Julianna Street 8-Inch Sewer Main Replacement	Fri 7/1/11	Mon 9/29/14																								
68	S2032	Puebla Drive 8-Inch Sewer Main Replacement	Fri 7/1/11	Mon 9/29/14																								
69	S2033	Sewer System Various Locations Rehabilitation	Fri 7/1/11	Mon 9/29/14																								
70	S2034	Vista Grande and Paseo Grande 8-Inch Sewer Main Replacement	Fri 7/1/11	Mon 9/29/14																								
71																												
72		<b>Project Category: Capital Purchase Projects</b>	Tue 12/5/00	Thu 6/29/17																								
73	P2282	Vehicle Capital Purchases	Tue 12/5/00	Thu 6/29/17																								
74	P2285	Office Equipment and Furniture Capital Purchases	Tue 12/5/00	Thu 6/29/17																								
75	P2286	Field Equipment Capital Purchases	Tue 12/5/00	Thu 6/29/17																								
76	P2443	Information Technology Mobile Services	Fri 7/1/05	Fri 6/28/13																								
77	P2461	Records Management System Upgrade	Mon 7/2/07	Fri 6/29/12																								
78	P2469	Information Technology Network and Hardware	Tue 7/1/08	Mon 6/29/15																								
79	P2470	Application Systems Development and Integration	Tue 7/1/08	Wed 6/29/16																								
80																												
81		<b>Project Category: Developer Reimbursement Projects</b>	Thu 7/1/04	Wed 6/29/16																								
82	P2104	PL - 12-Inch, 711 Zone, La Media Road - Birch/Rock Mountain	Thu 7/1/04	Mon 6/29/15																								
83	P2107	PL - 12-Inch, 711 Zone, Rock Mountain Road - La Media/SR 125	Thu 7/1/04	Mon 6/29/15																								
84	P2325	PL - 10" to 12" Oversize, 1296 Zone, PB Road - Rolling Hills Hydro PS/PB Bndy	Thu 7/1/04	Fri 6/28/13																								
85	P2402	PL - 12-Inch, 624 Zone, La Media Road - Village 7/Otay Valley	Fri 7/1/05	Mon 6/29/15																								
86	P2403	PL - 12-Inch, 624 Zone, Heritage Road - Olympic/Otay Valley	Mon 1/2/06	Mon 6/29/15																								
87	R2028	RecPL - 8-Inch, 680 Zone, Heritage Road - Santa Victoria/Otay Valley	Mon 1/2/06	Mon 6/29/15																								
88	R2042	RecPL - 8-Inch, 927 Zone, Rock Mountain Road - SR-125/EastLake	Mon 7/3/06	Fri 6/27/14																								
89	R2047	RecPL - 12-Inch, 680 Zone, La Media Road - Birch/Rock Mountain	Mon 7/3/06	Fri 6/27/14																								
90	R2082	RecPL - 24-Inch, 680 Zone, Olympic Parkway - Village 2/Heritage	Thu 7/1/04	Mon 6/29/15																								
91	R2083	RecPL - 20-Inch, 680 Zone, Heritage Road - Village 2/Olympic	Thu 7/1/04	Fri 6/27/14																								
92	R2084	RecPL - 20-Inch, 680 Zone, Village 2 - Heritage/La Media	Thu 7/1/04	Wed 6/29/16																								
93	R2085	RecPL - 20-Inch, 680 Zone, La Media - State/Olympic	Thu 7/1/04	Mon 6/29/15																								

Project: OWD FY 2011 CIP Schedule  
Date: Wed 8/17/11

Task: Milestone: Rolled Up Task: Rolled Up Progress: External Tasks: Group By Summary:

Progress: Summary: Rolled Up Milestone: Split: Project Summary: Deadline:

# FY 2012 Capital Purchases

Capital purchases are non-recurring operating expense items for District-wide use that cost more than \$10,000 each and have an estimated useful life of two years or more. The Capital Purchase Projects include Field Equipment, Office Equipment and Furniture, and Vehicles purchases.

<u>Item#</u>	<u>Description</u>	<u>Amount</u>	<u>Type</u>
<b>Field Equipment</b>			
<b>Operations</b>			
2	944-1 Pump Station Gen Set. To be purchased from APCD Engine Replacement and Retrofits CIP P2366.	45,000.00	R
3	1004-2 Pump Station Gen Set. To be purchased from APCD Engine Replacement and Retrofits CIP P2366	35,000.00	R
4	Operations Yard Gen Set. To be purchased from APCD Engine Replacement and Retrofits CIP P2366.	40,000.00	R
12	MARS Series 6-1200 Test Bench System. Includes gravimetric weight scale system W/M3 meter management software, computer and printer, 500 gallon calibrated stainless steel tank, and on-site installation assistance and training with MARS personnel. To be purchased from Field Equipment CIP P2286	93,000.00	R
13	Sewage by-pass trash pump. To be purchased from Field Equipment CIP P2286.	50,000.00	N
14	Sanitary Sewer Spill Response Trailer. To be purchased from Field Equipment CIP P2286.	20,000.00	N
15	Traffic Control Arrow Board. To be purchased from Field Equipment CIP P2286.	17,000.00	N
16	Gen Set Load Bank Tester. To be purchased from Field Equipment CIP P2286.	30,000.00	N
17	Variable frequency drives for two Reclamation Plant effluent pump motors. 480V, 200 HP, 18 Pulse, \$26500 each.	53,000.00	N
18	Pump engine 1 replacement at Treatment Plant. To be purchased from APCD engine replacement and retrofits CIP P2366.	75,000.00	R
21	Vactor rescue-vac device allows for the safe and efficient excavation of soil during emergencies. This unit works in conjunction with the District's current Vactor units.	15,000.00	N
<b>Total of Field Equipment</b>		<b>473,000.00</b>	
<b>Office Equipment</b>			
<b>Information Technology</b>			
19	Board Video Equipment	60,000.00	N
<b>Total of Office Equipment</b>		<b>60,000.00</b>	

N - New

R - Replacement

# *FY 2012 Capital Purchases*

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<u>Item#</u>	<u>Description</u>	<u>Amount</u>	
<b>Vehicles</b>			
<b>Operations</b>			
5	Multi passenger SUV to replace Unit No. 102. To be purchased from Vehicle Capital Purchase CIP P2282.	30,000.00	R
6	Multi-passenger van to replace Unit 100. To be purchased from vehicle capital purchase CIP P2282.	40,000.00	R
7	Class 3 utility truck to replace unit No. 126. To be purchased from vehicle capital purchase CIP P2282.	35,000.00	R
8	Class 4 Utility Truck to replace Unit No. 94. To be purchased from vehicle capital purchase CIP P2282.	100,000.00	R
9	Class 3 vehicle with a 2-3 yard dump bed to replace Unit 103. To be purchased from vehicle capital purchase CIP P2282.	60,000.00	R
10	Sewer televising vehicle to be utilized by the wastewater collection crew to televise the sanitary sewer system. To be purchased from vehicle capital purchase CIP P2282.	130,000.00	N
11	Class Seven, 5-7 yard dump body dump truck to replace Unit No. 92. To be purchased from APCD engine replacements and retrofits CIP	100,000.00	R
<b>Total of Vehicles</b>		<b>495,000.00</b>	
<b>Capital Purchases Grand Total :</b>		<b><u>1,028,000.00</u></b>	

### **Summary by Project**

P2366	APCD	\$ 295,000.00
P2282	Vehicle	\$ 395,000.00
P2285	Office	\$ 60,000.00
P2286	Field	\$ 278,000.00
		<b><u>\$ 1,028,000.00</u></b>

N - New

R - Replacement

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# *CIP Project Sheet Description*

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The following pages describe each information item on the individual CIP project sheets included in this section.

CIP Number: The CIP project number for all projects is assigned by the Engineering Project Manager, and is a unique identifying code on all District records for the specified project.

Project Title: Project titles follow a set format as described herein. The type of project should be identified first. For example, if a project were a 711 Pressure Zone 24-inch pipeline, the title would read “PL - 24-Inch, 711 Zone, Location - From A to B.” Pump stations and reservoirs are identified similarly with abbreviations for type and size.

Director Division: All projects are located within a Board of Director’s division boundary unless they apply to the entire District or are outside of the District boundaries. The Director division where the majority of the physical project is located is listed. If it is a District-wide project it is listed as “District-wide.” If it is outside the District boundary it is listed as “None.”

Project Manager: The person responsible for managing the project from inception through completion.

I.D. Location: Most projects are located within one or more improvement districts. The I.D. location listed is where the majority of the physical project is located. However, projects located in portions of the District which have not yet been annexed into an improvement district are listed as “None.”

Original Approved Date: The date the project was originally approved with budget expenditures for the corresponding fiscal year by the Board of Directors.

Priority: The priority of the project is listed in this field as one of the following:

1. **HIGH**: Safety, restoration of service to customers, obligation that requires immediate action, directed by the Board of Directors, and/or critical system need.
2. **MEDIUM**: Upgrade of system or expansion requirement to maintain system reliability not critical. Identified through planning effort as required within next few fiscal years.
3. **LOW**: Identified through planning effort as required in future years to support development; not anticipated in the immediate future.
4. **VERY LOW**: Requirement may have low probability of need in the future.

Related CIP Projects: A maximum of three CIP project numbers that affect the scheduling and/or is related to the subject project and/or could provide important information.

Budget Amount: The estimated budget includes all costs needed to complete a project including land, right-of-way, consultants, contractors, District staff time, etc. All prior years’ costs are part of the total cost and dollars are rounded up to the nearest \$1,000.

Description of Project: A brief description of a project which typically includes size, length, capacity, etc.

Justification of Project: A brief explanation of why a project is required which addresses flexibility, reliability, water quality, safety, contractual obligation, immediate growth, etc., as appropriate.

Comments: Pertinent information that should be known about a project that is not shown elsewhere on the project sheet, including details of funding sources, including grant funding or contributions from other agencies.

Funding Detail: The funding sources are listed along with the percentage of distribution to expansion, betterment, and/or replacement.

Expenditure Schedule: The breakdown of a project's expenditures by fiscal year – prior years' cost along with a six-year budget schedule. Included in each year are all costs to complete the work scheduled in that year rounded up to the nearest \$1,000.

Project Schedule: The schedule of the primary project phase and estimated cost by the phases of planning, design, and construction shown with the estimated start date (month/year), finish date (month/year). The schedule time frames and estimated cost for each major phase of the project, correspond with the expenditure schedule information.

Project Incremental Operation Expenditures: To determine the cost to maintain these new assets, the District looks at the cost of maintaining similar assets through the Infrastructure Management System and financial system. Costs are tracked by three main infrastructure asset groups of pipes, pump stations, and reservoirs, as well as capital purchases and other types. Pipes typically have only operation and maintenance (O&M) costs associated with them, pump stations have O&M as well as power cost, and reservoirs have O&M and chemical cost. Each of the capital purchases and other types has its own unique O&M cost. See page 27 for a further explanation of these expenditures.

Project Location: A vicinity map is drawn in AutoCAD format using the GIS database as the foundation showing the approximate location and limits of a project within the District. Some projects do not have a specific location. In this case, a map of the entire District will then be shown as the project location.

Thomas Bros. Map: The Thomas Brothers' map page is inserted in this field to show where the project is primarily located. Some projects do not have a specific location in which case the words "District-wide" will be shown.

OWD Map Book: The page in the District's facility map book where a project is primarily located. Some projects do not have a specific location in which case the words "District-wide" will be shown.

Submitted By: The project manager who originally submitted or the project manager who revised the project sheet along with the date of submittal or last revision date of the CIP project sheet.

# CIP Project Index

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**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2009**

**PROJECT TITLE:** PL - 36-Inch, SDCWA Otay FCF No. 14 to Regulatory Site

<b>PROJECT MANAGER:</b> Ripperger	<b>DIRECTOR DIVISION:</b> 5
<b>ORIGINAL APPROVED DATE:</b> 7/16/1997	<b>I.D. LOCATION:</b> 3
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$20,300,000

**DESCRIPTION OF PROJECT:**

Construction of approximately 27,300 feet of 36-inch pipeline from San Diego County Water Authority (SDCWA) Otay FCF No. 14 to the Regulatory Site and fund 50% of the cost to upgrade FCF No. 14 to a capacity of 16 million gallons per day.

**JUSTIFICATION OF PROJECT:**

The East County Regional Treated Water Improvement Program (ECRTWIP) Agreement was approved by Otay WD Board in December 2005 and by the SDCWA Board in February 2006. Per terms of the agreement and its amendments the Otay WD is obligated to construct the pipeline by January 1, 2011 and SDCWA is to have FCF No. 14 operational by then as well.

**COMMENTS:**

The SDCWA has provided \$4.2 million in funds towards construction the pipeline per terms of the Agreement Between the San Diego County Water Authority and Otay Water District Regarding Implementation of the East County Regional Treated Water Improvement Program. The cost estimate includes the payment of \$620,000 to SDCWA. General Fund at 40% expansion and betterment funds from ID 1 at 5%, ID 2 at 2%, ID 3 at 4%, ID 5 at 1%, ID 7 at 5%, ID 9 at 2%, ID 10 at 4%, ID 20 at 7%, and ID 22 at 30%.

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
General Fund	40%	60%		100%
<b>TOTAL:</b>	40%	60%		100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
\$20,000	\$300	\$0	\$0	\$0	\$0	\$0	\$20,300

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2009**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>	07/97	10/07	\$309
<b>DESIGN:</b>	11/07	06/09	\$2,691
<b>CONSTRUCTION:</b>	07/09	12/11	\$17,300

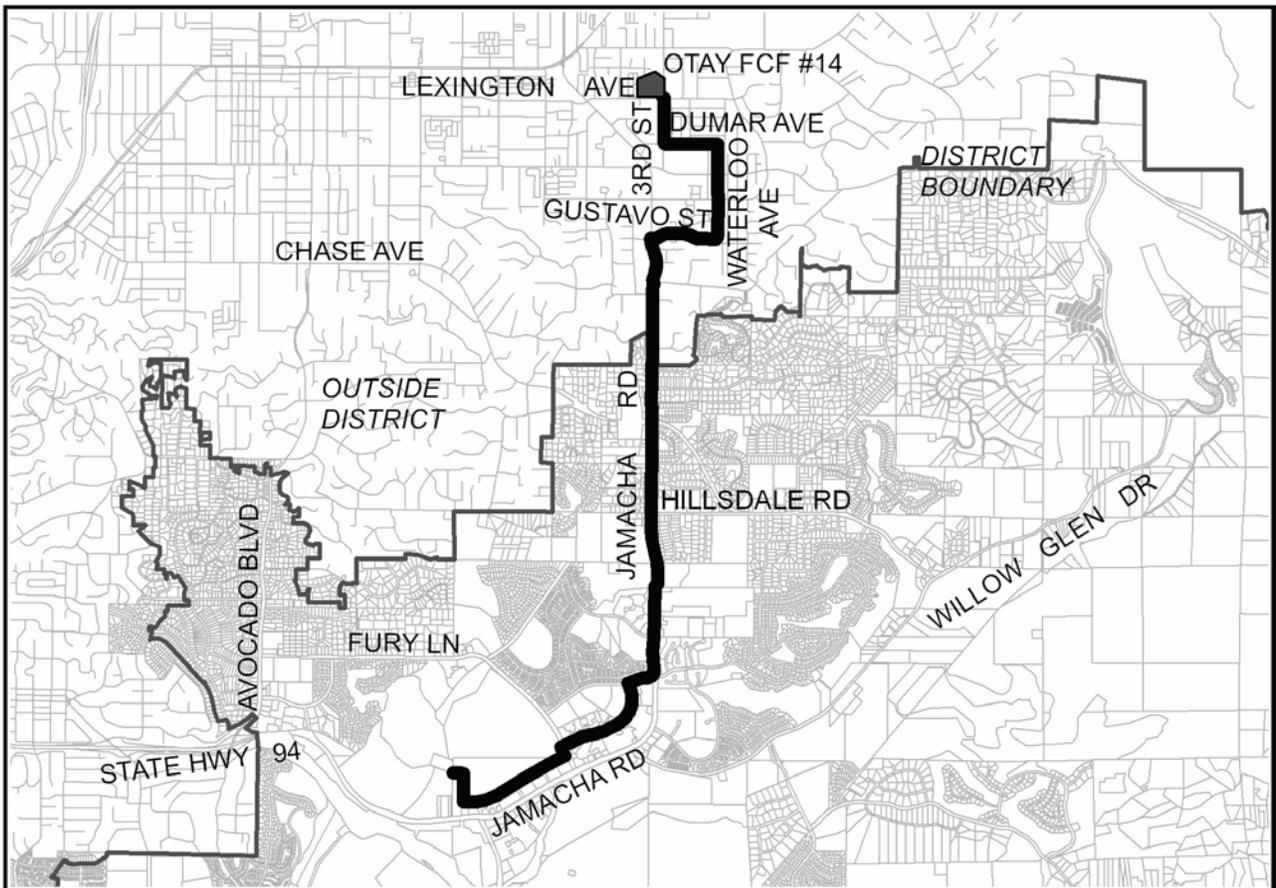
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
\$9,300	\$9,600	\$9,900	\$10,200	\$10,500	\$10,800	\$60,300

**PROJECT LOCATION:**

**Thomas Bros. Map: 1272**

**OWD Map Book: 356**



**Submitted By:** Ron Ripperger

**Date:** 02/24/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2370**

**PROJECT TITLE:** La Presa System Improvements

<b>PROJECT MANAGER:</b> Silverman	<b>DIRECTOR DIVISION:</b> 3
<b>ORIGINAL APPROVED DATE:</b> 7/16/1997	<b>I.D. LOCATION:</b> 1
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$960,000

**DESCRIPTION OF PROJECT:**

Construction of four interconnections in the La Presa System. Three of the connections are between the 36-inch main and 6-inch main in San Carlos Street. The fourth is at the beginning of the 42-inch main to the exist 16-inch pipeline in Paradise Valley Road. Also, demolish the existing Dorchester Reservoir and hydropneumatic pump station located on the same site along Dorchester Street. Also, demolish the 657-1 and 850-1 Pump Stations. Construct a 850 to 657 Pressure Zone pressure reducing station at the La Presa Pump Station.

**JUSTIFICATION OF PROJECT:**

The interconnections provide enhanced capacity, increased reliability, and operational flexibility for the La Presa System. The existing reservoir and pump station are no longer required to serve customers. The pressure reducing station will allow for necessary increased flow rates into the 657 Pressure Zone to meet supply requirements.

**COMMENTS:**

**FUND DETAIL:**

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
I.D. 1		100%		100%
<b>TOTAL:</b>		100%		100%

**EXPENDITURE SCHEDULE (X \$1,000):**

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2012	2013	2014	2015	2016	2017	TOTAL
\$225	\$600	\$135	\$0	\$0	\$0	\$0	\$960

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2370**

**PROJECT SCHEDULE:**

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/05	11/10	\$6
DESIGN:	12/10	07/11	\$17
CONSTRUCTION:	08/11	07/12	\$937

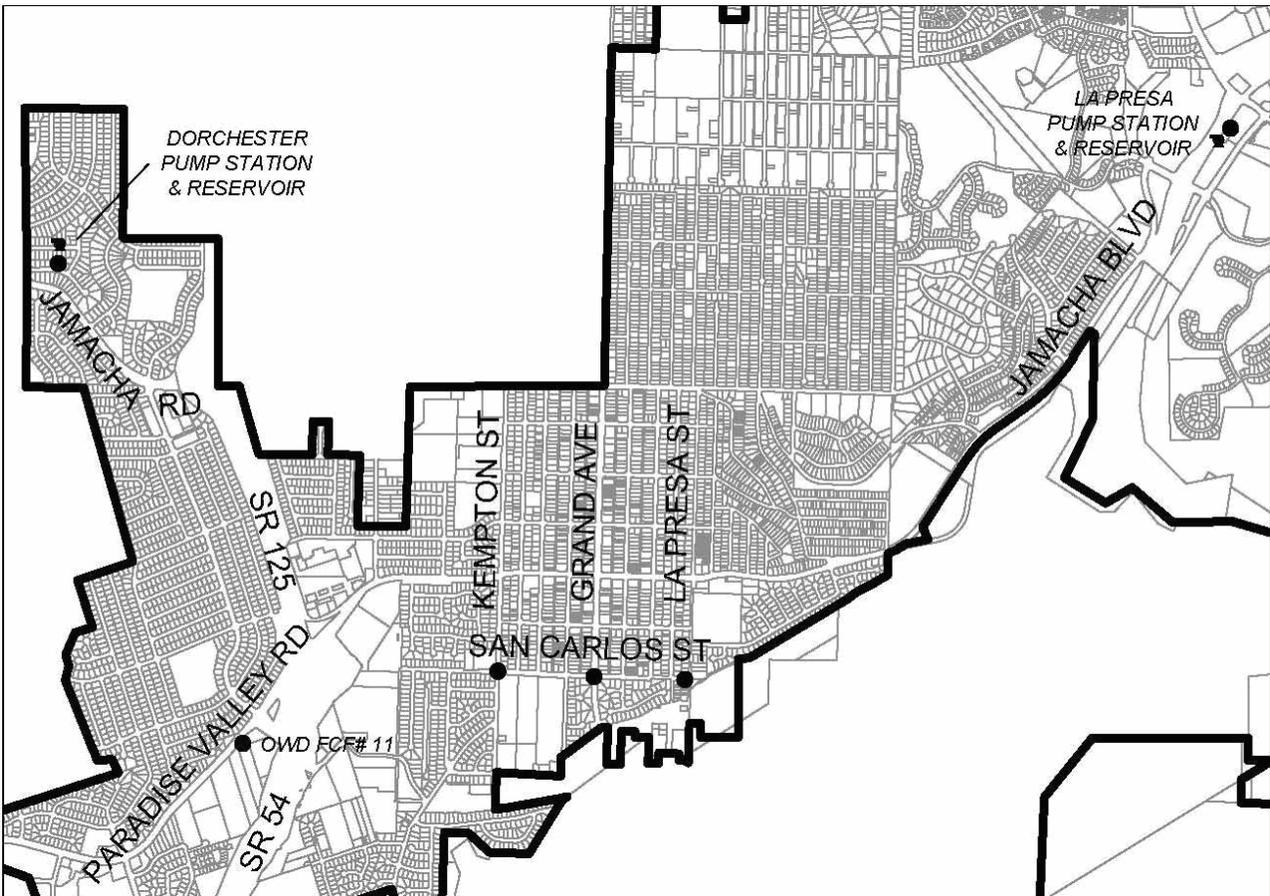
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

FY	FY	FY	FY	FY	FY	TOTAL
2012	2013	2014	2015	2016	2017	
	\$-1,900	\$-2,000	\$-2,100	\$-2,200	\$-2,300	\$-10,500

**PROJECT LOCATION:**

Thomas Bros. Map: 1290

OWD Map Book: 301



Submitted By: Gary Silverman

Date: 02/18/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2434**

**PROJECT TITLE:** Rancho Del Rey Groundwater Well Development

<b>PROJECT MANAGER:</b> Silverman	<b>DIRECTOR DIVISION:</b> 22
<b>ORIGINAL APPROVED DATE:</b> 5/21/2009	<b>I.D. LOCATION:</b> 2
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$6,250,000

**DESCRIPTION OF PROJECT:**

Production groundwater well development of approximately 400 gallons per minute for potable water use. The project includes construction of a reverse osmosis treatment facility.

**JUSTIFICATION OF PROJECT:**

This project is needed to meet the IRP water supply goals.

**COMMENTS:**

Water Supply project at 40% expansion and betterment funds from ID 1 at 5%, ID 2 at 2%, ID 3 at 4%, ID 5 at 1%, ID 7 at 5%, ID 9 at 2%, ID 10 at 4%, ID 20 at 7%, and ID 22 at 30%.

**FUND DETAIL:**

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
Water Supply	40%	60%		100%
<b>TOTAL:</b>	40%	60%		100%

**EXPENDITURE SCHEDULE (X \$1,000):**

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2012	2013	2014	2015	2016	2017	TOTAL
\$2,800	\$850	\$2,600	\$0	\$0	\$0	\$0	\$6,250

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2434**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>	07/94	12/10	\$146
<b>DESIGN:</b>	01/11	03/12	\$1,000
<b>CONSTRUCTION:</b>	04/12	04/13	\$5,104

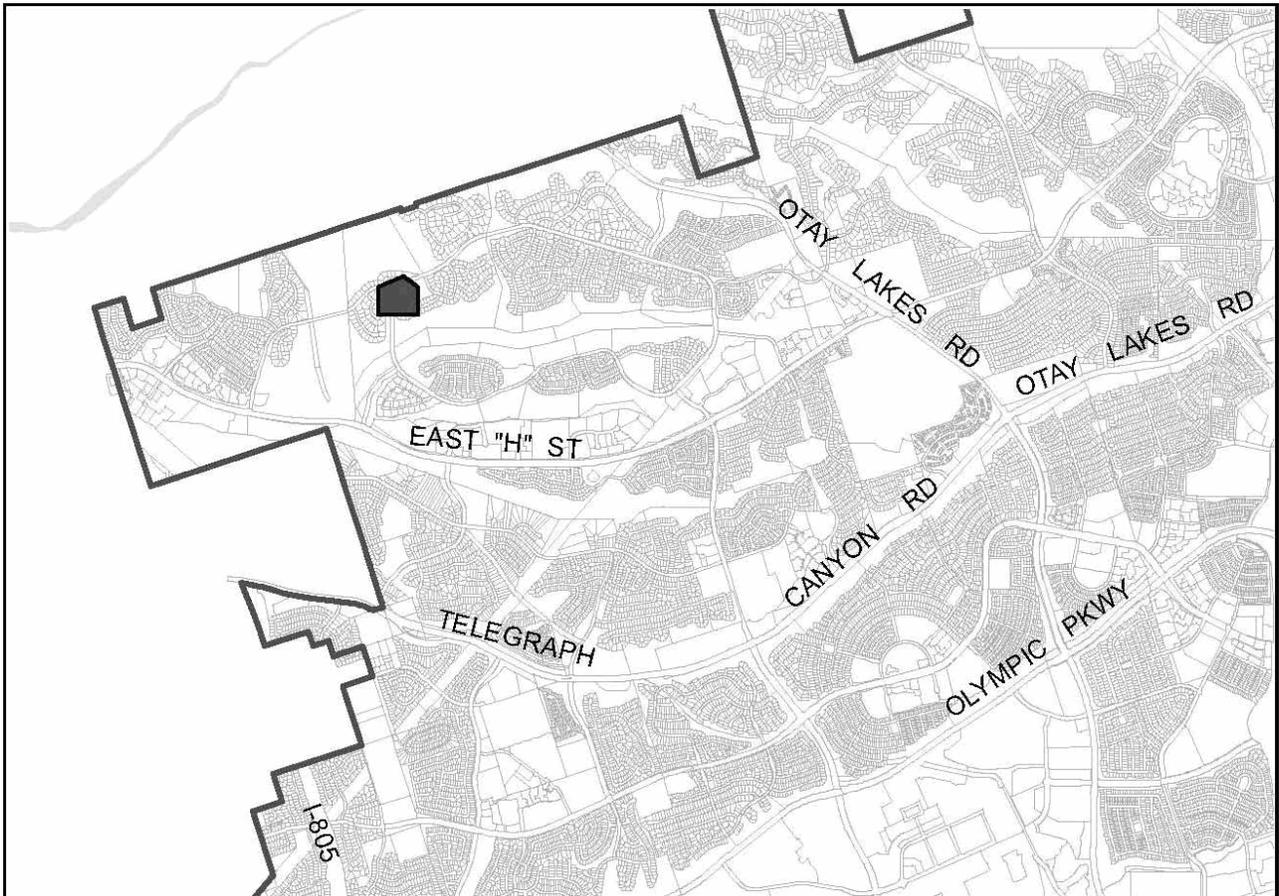
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
			\$8,900	\$9,200	\$9,500	\$27,600

**PROJECT LOCATION:**

**Thomas Bros. Map: 1310**

**OWD Map Book: 127**



**Submitted By:** Gary Silverman

**Date:** 02/18/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2451**

**PROJECT TITLE:** Otay Mesa Desalination Conveyance and Disinfection System

<b>PROJECT MANAGER:</b>	Kennedy	<b>DIRECTOR DIVISION:</b>	
<b>ORIGINAL APPROVED DATE:</b>	5/23/2006	<b>I.D. LOCATION:</b>	
<b>RELATED CIP PROJECTS:</b>	P2083	<b>PRIORITY:</b>	1
		<b>BUDGET AMOUNT:</b>	\$30,000,000

**DESCRIPTION OF PROJECT:**

The Otay WD could potentially receive a potable water supply source from the planned Rosarito Desalination Facility via a conveyance system, pumping facilities, and disinfection system.

**JUSTIFICATION OF PROJECT:**

The concept could provide for a independent water source to the Otay WD.

**COMMENTS:**

Water Supply project at 40% expansion and betterment funds from ID 1 at 5%, ID 2 at 2%, ID 3 at 4%, ID 5 at 1%, ID 7 at 5%, ID 9 at 2%, ID 10 at 4%, ID 20 at 7%, and ID 22 at 30%.

**FUND DETAIL:**

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
Water Supply	40%	60%		100%
<b>TOTAL:</b>	40%	60%		100%

**EXPENDITURE SCHEDULE (X \$1,000):**

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2012	2013	2014	2015	2016	2017	TOTAL
\$1,000	\$2,350	\$2,000	\$15,000	\$9,650	\$0	\$0	\$30,000

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2451**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>	07/06	06/12	\$1,200
<b>DESIGN:</b>	07/12	06/13	\$3,300
<b>CONSTRUCTION:</b>	07/13	06/15	\$25,500

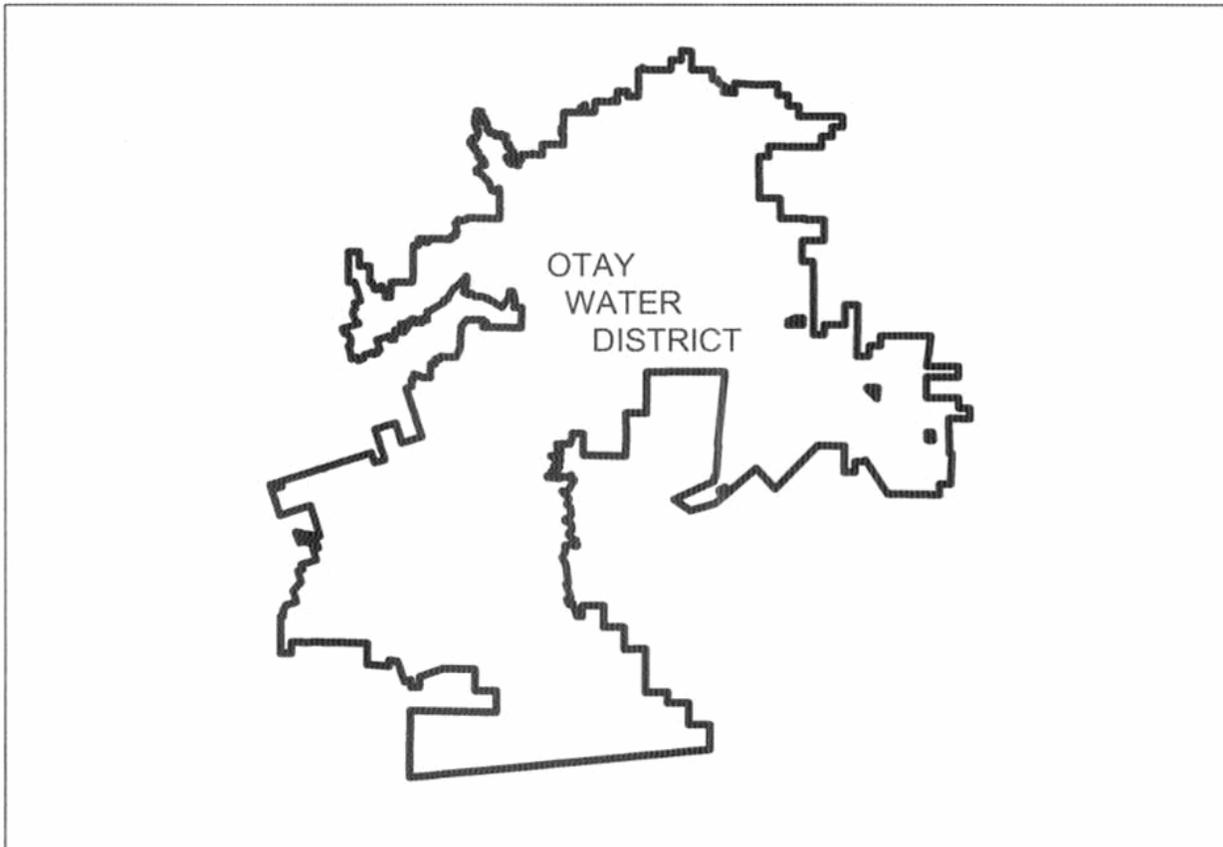
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
				\$3,400	\$3,500	\$6,900

**PROJECT LOCATION:**

**Thomas Bros. Map:**

**OWD Map Book:**



**Submitted By:** Bob Kennedy

**Date:** 02/18/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2466**

**PROJECT TITLE:** Regional Training Facility

<b>PROJECT MANAGER:</b> Coburn-Boyd	<b>DIRECTOR DIVISION:</b> 5
<b>ORIGINAL APPROVED DATE:</b> 5/29/2007	<b>I.D. LOCATION:</b> 20
<b>RELATED CIP PROJECTS:</b> P2504	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$272,000

**DESCRIPTION OF PROJECT:**

The project is the construction of a Regional Training Facility at the Regulatory Site through a partnership with the San Miguel Consolidated Fire Protection District.

**JUSTIFICATION OF PROJECT:**

The Otay WD needs a training center to train staff on trenching, shoring, fire safety, rescue, and confined space. The San Miguel Consolidated Fire Protection District has secured funding for this project and will be the lead agency in the development of the training facility.

**COMMENTS:**

General Fund at 40% expansion and betterment funds from ID 1 at 5%, ID 2 at 2%, ID 3 at 4%, ID 5 at 1%, ID 7 at 5%, ID 9 at 2%, ID 10 at 4%, ID 20 at 7%, and ID 22 at 30%.

**FUND DETAIL:**

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund	40%	60%		100%
<b>TOTAL:</b>	40%	60%		100%

**EXPENDITURE SCHEDULE (X \$1,000):**

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2012	2013	2014	2015	2016	2017	TOTAL
\$252	\$20	\$0	\$0	\$0	\$0	\$0	\$272

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2466**

**PROJECT SCHEDULE:**

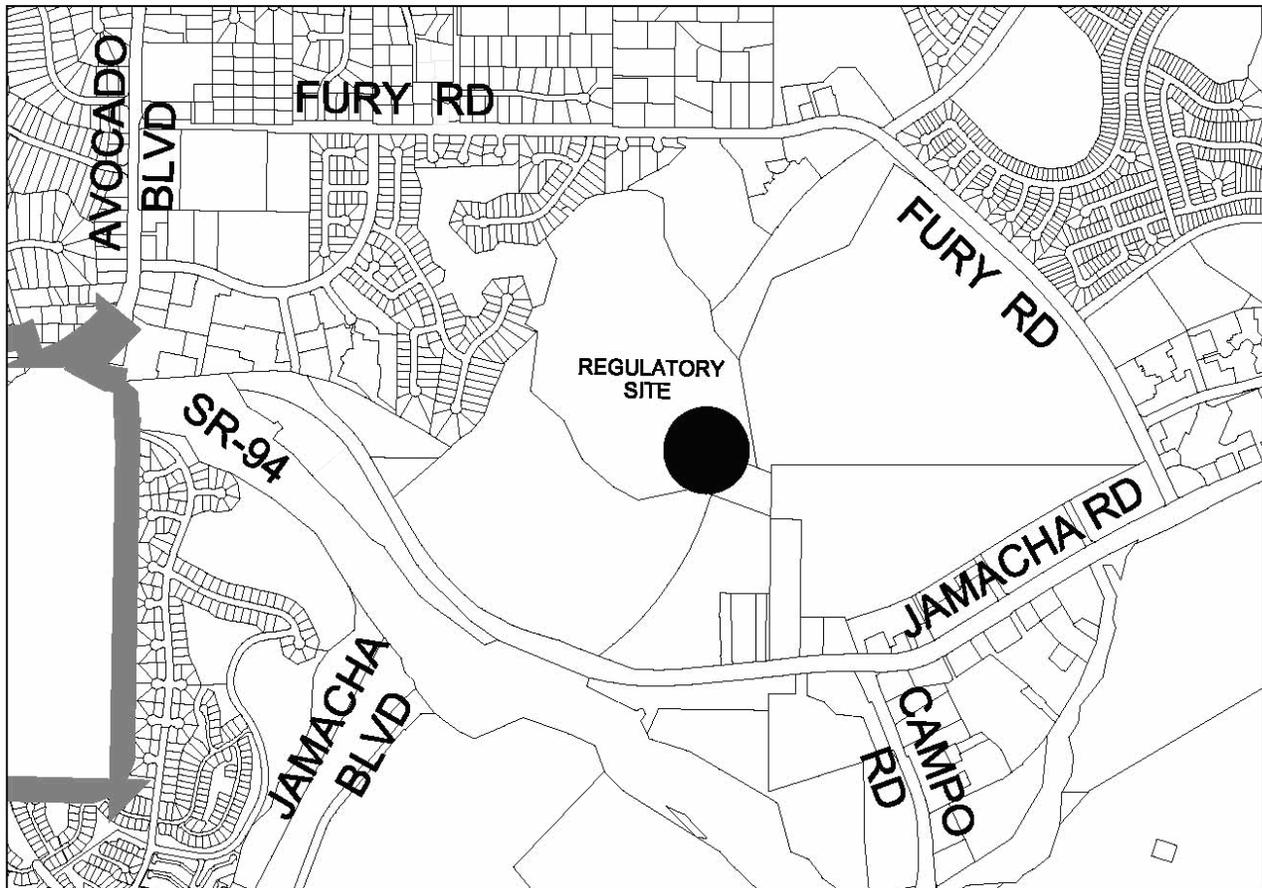
PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	08/06	06/12	\$272
DESIGN:			
CONSTRUCTION:			

**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

FY	FY	FY	FY	FY	FY	TOTAL
2012	2013	2014	2015	2016	2017	
						\$0

**PROJECT LOCATION:** Thomas Bros. Map: 1271

**OWD Map Book: 343**



**Submitted By:** Lisa Coburn-Boyd

**Date:** 02/22/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2467**

**PROJECT TITLE:** San Diego Formation Groundwater Feasibility Study

<b>PROJECT MANAGER:</b> Kennedy	<b>DIRECTOR DIVISION:</b>
<b>ORIGINAL APPROVED DATE:</b> 5/29/2007	<b>I.D. LOCATION:</b>
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$1,800,000

**DESCRIPTION OF PROJECT:**

This project is a research and data gathering effort to enhance the ongoing USGS study of the concept to potentially develop a groundwater supply from the San Diego Formation. The project is planned to be jointly funded by Sweetwater Authority and Otay WD. A proposal for the San Diego County Water Authority LISA grant program was developed to fund up to 50% of the cost of the effort.

**JUSTIFICATION OF PROJECT:**

The potential of an agreement for the development of a potable water production well within the San Diego Formation could provide the possibility of an independent local water supply resource for the Otay WD and others.

**COMMENTS:**

Water Supply project at 40% expansion and betterment funds from ID 1 at 5%, ID 2 at 2%, ID 3 at 4%, ID 5 at 1%, ID 7 at 5%, ID 9 at 2%, ID 10 at 4%, ID 20 at 7%, and ID 22 at 30%. Funding opportunity is the San Diego County Water Authority Local Investigations and Studies Assistance (LISA) Grant Funding Program for Groundwater Conjunctive Use Studies and Investigations.

**FUND DETAIL:**

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
Water Supply	40%	60%		100%
<b>TOTAL:</b>	40%	60%		100%

**EXPENDITURE SCHEDULE (X \$1,000):**

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2012	2013	2014	2015	2016	2017	TOTAL
\$1,400	\$400	\$0	\$0	\$0	\$0	\$0	\$1,800

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2467**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>	07/07	06/12	\$1,800
<b>DESIGN:</b>			
<b>CONSTRUCTION:</b>			

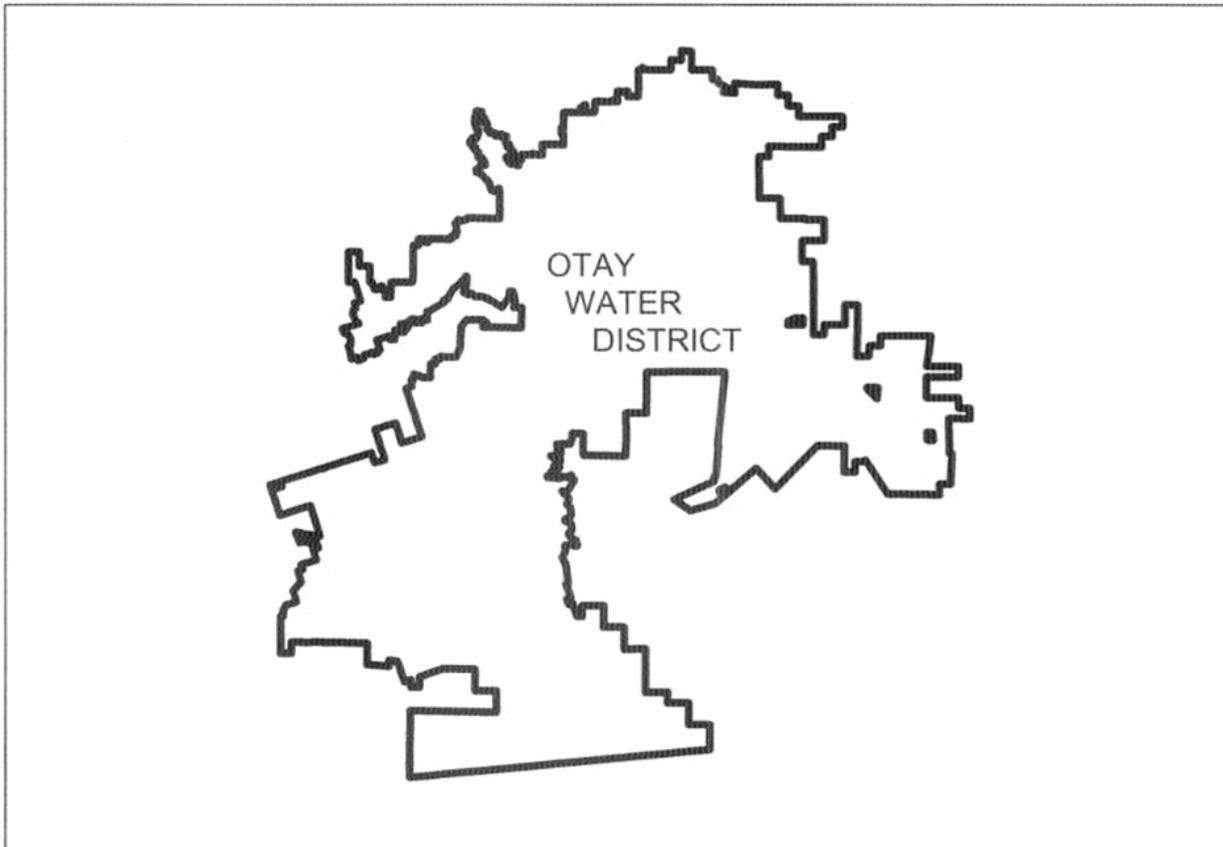
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
2012	2013	2014	2015	2016	2017	\$0

**PROJECT LOCATION:**

**Thomas Bros. Map:**

**OWD Map Book:**



**Submitted By:** Bob Kennedy

**Date:** 02/18/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2473**

**PROJECT TITLE: PS - 711-1 Pump Station Improvement**

<b>PROJECT MANAGER:</b> Cameron	<b>DIRECTOR DIVISION:</b> 1
<b>ORIGINAL APPROVED DATE:</b> 6/23/2008	<b>I.D. LOCATION:</b> 22
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$500,000

**DESCRIPTION OF PROJECT:**

Replace existing pumps and pump drivers at the 711-1 Pump Station to resolve vibration and cavitation issues.

**JUSTIFICATION OF PROJECT:**

This project is to redesign the existing pumping system with the installation of different pumps at the pump station to resolve vibration and cavitation issues. The existing pumps have a useful life of about two years or less and where they should last seven to ten years.

**COMMENTS:**

**FUND DETAIL:**

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2012	2013	2014	2015	2016	2017	TOTAL
\$100	\$300	\$100	\$0	\$0	\$0	\$0	\$500

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2473**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>	01/09	04/09	\$17
<b>DESIGN:</b>	05/09	04/11	\$47
<b>CONSTRUCTION:</b>	05/11	12/12	\$436

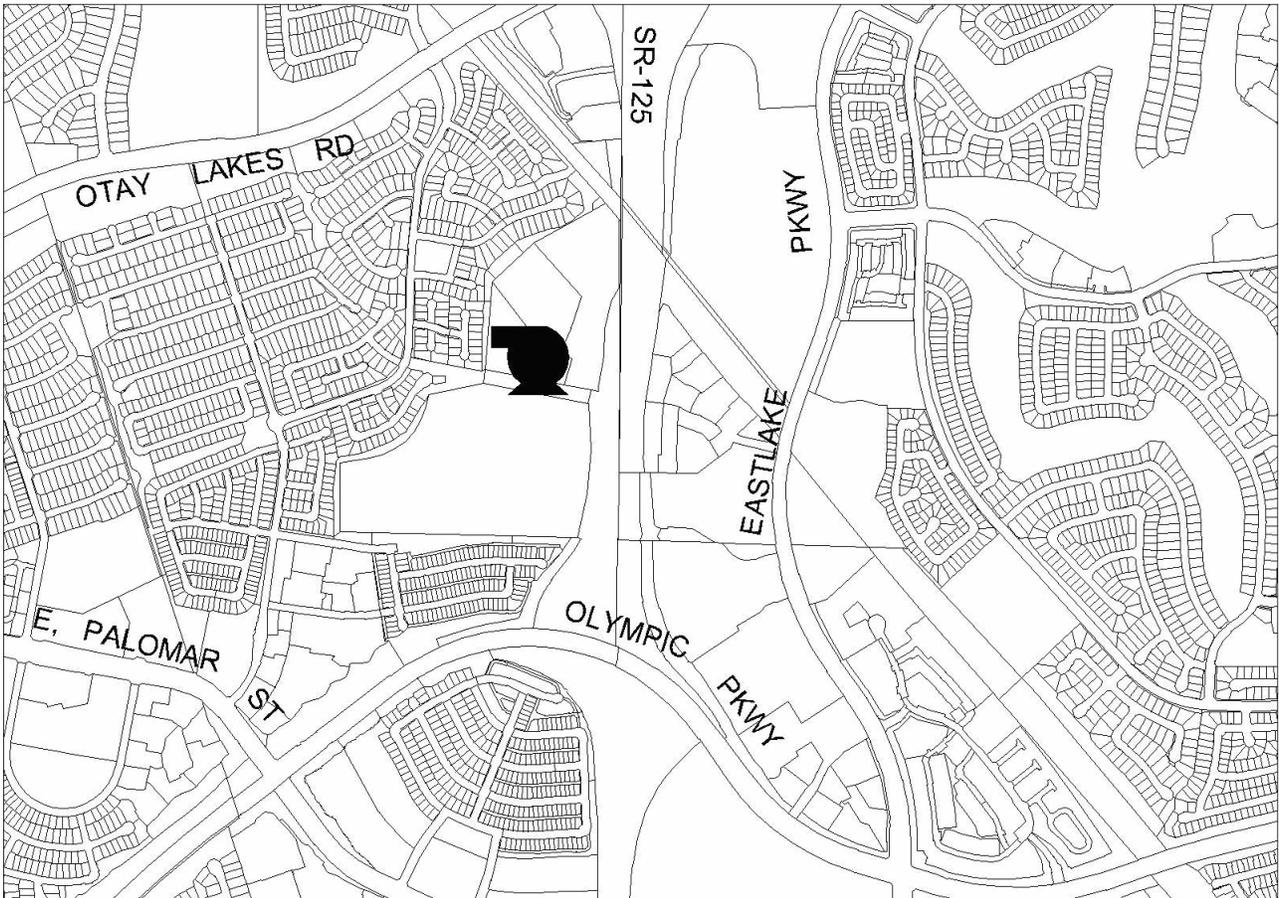
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>\$0</b>

**PROJECT LOCATION:**

**Thomas Bros. Map: 1311**

**OWD Map Book: 114**



**Submitted By:** Kevin Cameron

**Date:** 02/08/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2488**

**PROJECT TITLE:** Del Rio Road Helix and Otay Interconnection

<b>PROJECT MANAGER:</b> Kay	<b>DIRECTOR DIVISION:</b> 3
<b>ORIGINAL APPROVED DATE:</b> 5/21/2009	<b>I.D. LOCATION:</b> 20
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$300,000

**DESCRIPTION OF PROJECT:**

This project provide for a new interconnection located at Del Rio Road with the Helix Water District that will be capable of flowing potable water to either agency at the 850 elevation hydraulic grade.

**JUSTIFICATION OF PROJECT:**

This interconnection would provide a vital role in supplying Otay WD with an alternative water source during an outage or water supply shortage.

**COMMENTS:**

General Fund at 40% expansion and betterment funds from ID 1 at 5%, ID 2 at 2%, ID 3 at 4%, ID 5 at 1%, ID 7 at 5%, ID 9 at 2%, ID 10 at 4%, ID 20 at 7%, and ID 22 at 30%.

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
General Fund	40%	60%		100%
<b>TOTAL:</b>	40%	60%		100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
\$150	\$150	\$0	\$0	\$0	\$0	\$0	\$300

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2488**

**PROJECT SCHEDULE:**

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/09	02/10	\$6
DESIGN:	03/10	09/10	\$17
CONSTRUCTION:	10/10	12/11	\$277

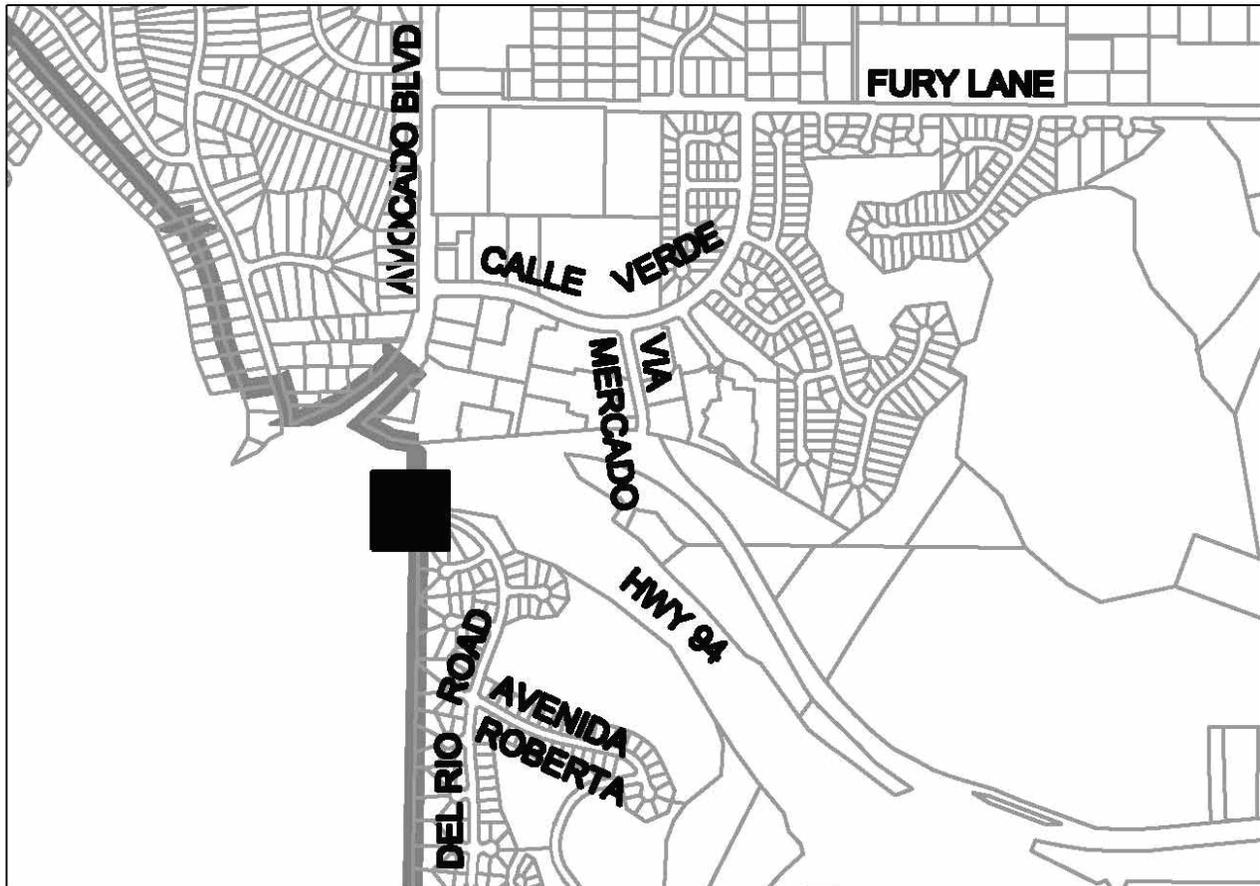
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

FY	FY	FY	FY	FY	FY	TOTAL
2012	2013	2014	2015	2016	2017	\$0

**PROJECT LOCATION:**

Thomas Bros. Map: 1271

OWD Map Book: 342



Submitted By: Daniel Kay

Date: 02/02/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2489**

**PROJECT TITLE:** Gillespie Drive Helix and Otay Interconnection

<b>PROJECT MANAGER:</b> Kay	<b>DIRECTOR DIVISION:</b> 3
<b>ORIGINAL APPROVED DATE:</b> 5/21/2009	<b>I.D. LOCATION:</b> 1
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$300,000

**DESCRIPTION OF PROJECT:**

This project provide for a new interconnection located at Gillespie Drive with the Helix Water District that will be capable of flowing potable water to either agency at the 657 elevation hydraulic grade.

**JUSTIFICATION OF PROJECT:**

This interconnection would provide a vital role in supplying Otay WD with an alternative water source during an outage or water supply shortage.

**COMMENTS:**

General Fund at 40% expansion and betterment funds from ID 1 at 5%, ID 2 at 2%, ID 3 at 4%, ID 5 at 1%, ID 7 at 5%, ID 9 at 2%, ID 10 at 4%, ID 20 at 7%, and ID 22 at 30%.

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
General Fund	40%	60%		100%
<b>TOTAL:</b>	40%	60%		100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
\$150	\$150	\$0	\$0	\$0	\$0	\$0	\$300

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2489**

**PROJECT SCHEDULE:**

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/09	02/10	\$6
DESIGN:	03/10	09/10	\$17
CONSTRUCTION:	10/10	12/11	\$277

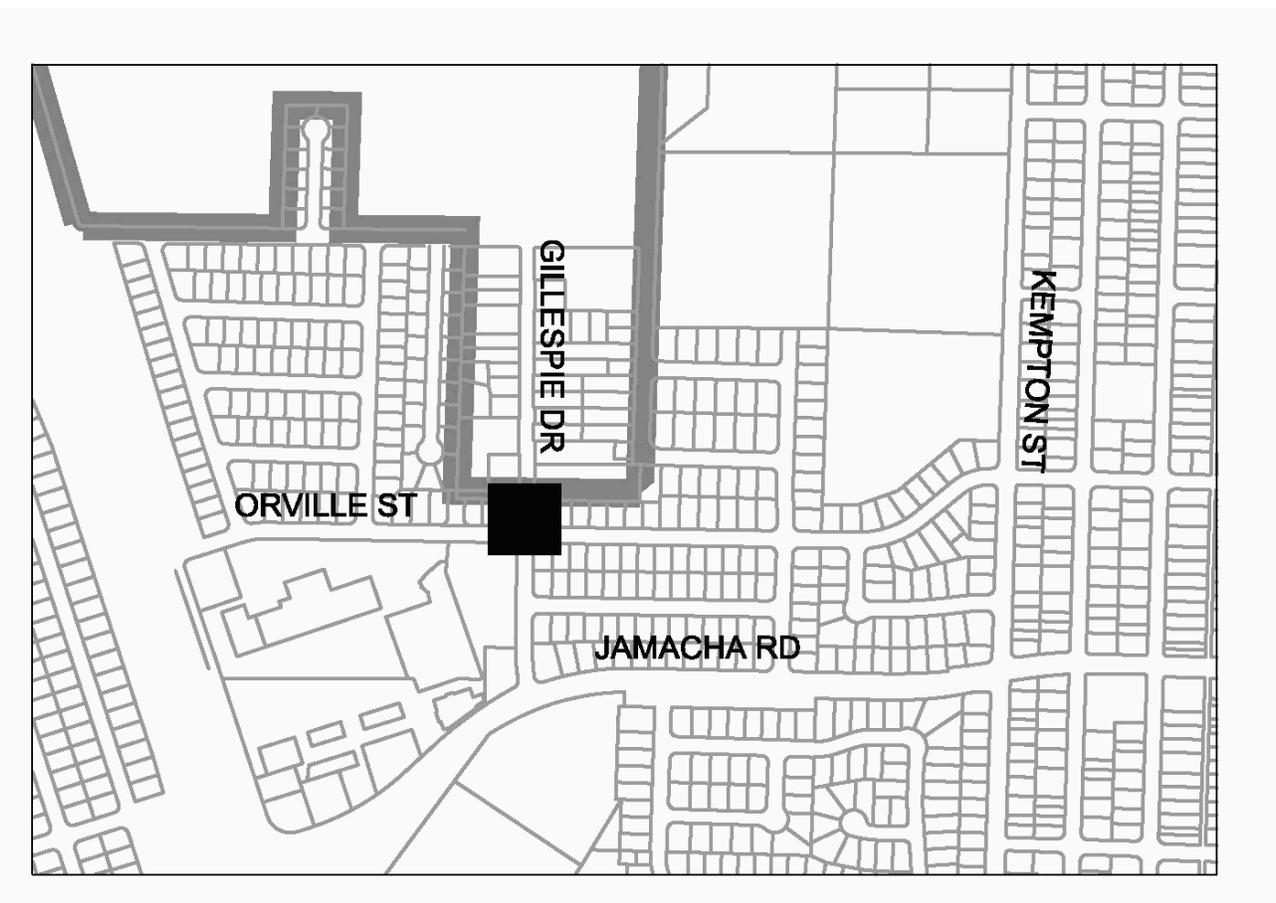
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

FY	FY	FY	FY	FY	FY	TOTAL
2012	2013	2014	2015	2016	2017	
						\$0

**PROJECT LOCATION:**

**Thomas Bros. Map: 1291**

**OWD Map Book: 302**



**Submitted By:** Daniel Kay

**Date:** 02/02/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2497**

**PROJECT TITLE:** Solar Power Feasibility Study

<b>PROJECT MANAGER:</b> Kennedy	<b>DIRECTOR DIVISION:</b> 4
<b>ORIGINAL APPROVED DATE:</b> 5/21/2009	<b>I.D. LOCATION:</b> 20
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$250,000

**DESCRIPTION OF PROJECT:**

This project provides funding of a feasibility study to assess solar power installation of a 100 KW AC solar system at the roof of the operations building or on the administration building.

**JUSTIFICATION OF PROJECT:**

The installation of the solar panels will potentially assist in reducing electrical costs and aid in the effort to provide a clean environment. The photovoltaic system can produce electricity from a clean, renewable resource without noise or air pollution.

**COMMENTS:**

An average commercial photovoltaic system costs from about \$8 to \$10 per AC watt. The California Public Utilities Commission approved the California Solar Initiative (CSI) in November 2006. The CSI program provides public sector owners such as Otay WD \$0.50 per kwh generated every month to five years.

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
General Fund	100%			100%
<b>TOTAL:</b>	100%			100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
\$40	\$25	\$75	\$50	\$60	\$0	\$0	\$250

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2497**

**PROJECT SCHEDULE:**

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/09	06/15	\$250
DESIGN:			
CONSTRUCTION:			

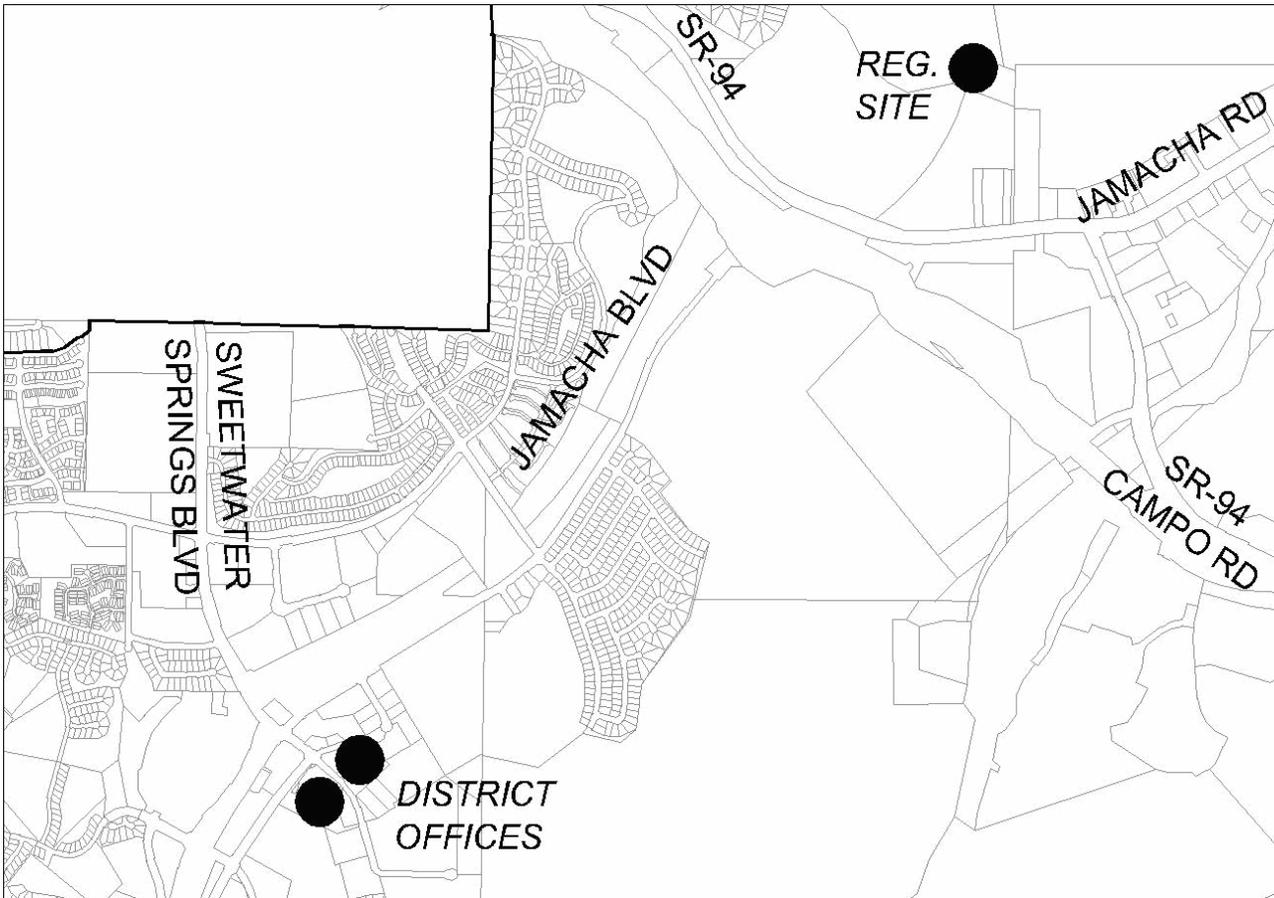
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

FY	FY	FY	FY	FY	FY	TOTAL
2012	2013	2014	2015	2016	2017	
						\$0

**PROJECT LOCATION:**

Thomas Bros. Map: 1271

OWD Map Book: 318



Submitted By: Bob Kennedy

Date: 02/18/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2502**

**PROJECT TITLE: 803-1 Pump Station Modifications**

<b>PROJECT MANAGER:</b>	Silverman	<b>DIRECTOR DIVISION:</b>	5
<b>ORIGINAL APPROVED DATE:</b>	5/17/2010	<b>I.D. LOCATION:</b>	20
<b>RELATED CIP PROJECTS:</b>	P2503	<b>PRIORITY:</b>	1
		<b>BUDGET AMOUNT:</b>	\$575,000

**DESCRIPTION OF PROJECT:**

Modify the existing pumps within the pump station to allow for suction from the 640 Reservoirs. The concept is to install variable frequency drives and rebuild the existing pump motors to inverter duty.

**JUSTIFICATION OF PROJECT:**

The completion of the 640 reservoir project allows for a reduced static lift of 120 feet resulting in significant electrical energy savings.

**COMMENTS:**

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
I.D. 3		100%		100%
<b>TOTAL:</b>		100%		100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
\$50	\$425	\$100	\$0	\$0	\$0	\$0	\$575

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2502**

**PROJECT SCHEDULE:**

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/10	09/10	\$5
DESIGN:	10/10	04/11	\$45
CONSTRUCTION:	05/11	12/12	\$525

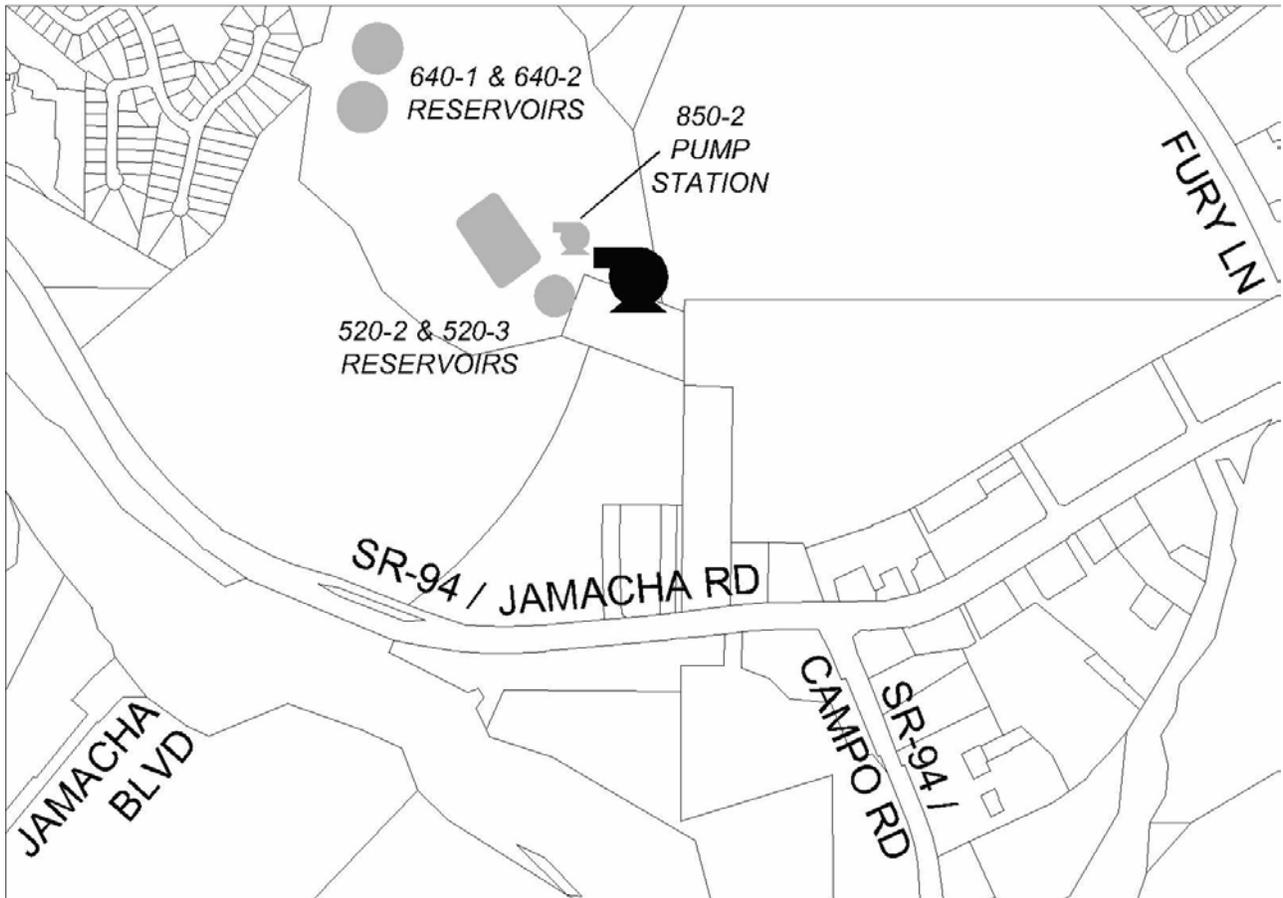
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

FY	FY	FY	FY	FY	FY	TOTAL
2012	2013	2014	2015	2016	2017	
	\$-40,950	\$-81,900	\$-84,400	\$-86,900	\$-89,500	\$-383,650

**PROJECT LOCATION:**

Thomas Bros. Map: 1271

OWD Map Book: 343



Submitted By: Gary Silverman

Date: 02/18/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2503**

**PROJECT TITLE: 850-2 Pump Station Modifications**

<b>PROJECT MANAGER:</b>	Silverman	<b>DIRECTOR DIVISION:</b>	5
<b>ORIGINAL APPROVED DATE:</b>	5/17/2010	<b>I.D. LOCATION:</b>	20
<b>RELATED CIP PROJECTS:</b>	P2502	<b>PRIORITY:</b>	1
		<b>BUDGET AMOUNT:</b>	\$475,000

**DESCRIPTION OF PROJECT:**

Modify the existing pumps within the pump station to allow for suction from the 640 Reservoirs and the 520 Reservoirs. The concept is to install variable frequency drives and rebuild the existing fixed speed pump motors to inverter duty.

**JUSTIFICATION OF PROJECT:**

The completion of the 640 reservoir project allows for a reduced static lift of 120 feet resulting in significant electrical energy savings.

**COMMENTS:**

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
I.D. 20		100%		100%
<b>TOTAL:</b>		100%		100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
\$50	\$325	\$100	\$0	\$0	\$0	\$0	\$475

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2503**

**PROJECT SCHEDULE:**

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/10	09/10	\$5
DESIGN:	10/10	04/11	\$45
CONSTRUCTION:	05/11	12/12	\$425

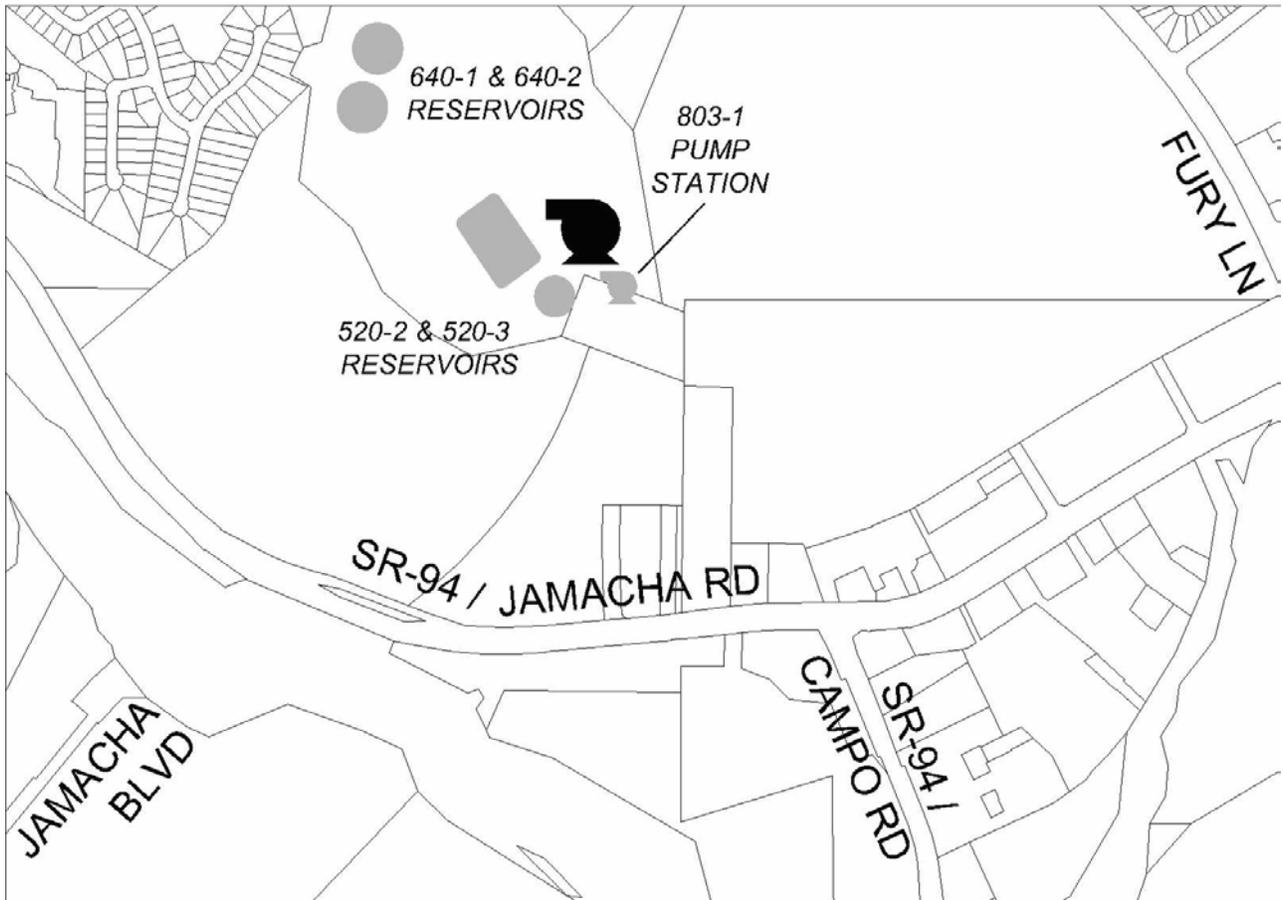
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

FY	FY	FY	FY	FY	FY	TOTAL
2012	2013	2014	2015	2016	2017	
	\$-25,200	\$-50,400	\$-51,900	\$-53,500	\$-55,100	\$-236,100

**PROJECT LOCATION:**

Thomas Bros. Map: 1271

OWD Map Book: 343



Submitted By: Gary Silverman

Date: 02/18/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2511**

**PROJECT TITLE:** North District - South District Interconnection System

<b>PROJECT MANAGER:</b> Silverman	<b>DIRECTOR DIVISION:</b> 3
<b>ORIGINAL APPROVED DATE:</b> 5/17/2010	<b>I.D. LOCATION:</b> 1
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$37,300,000

**DESCRIPTION OF PROJECT:**

This project will provide for a 30-inch transmission main interconnection and pump station between the North District and South District to transport 10,000 gallons per minute between the two systems in either direction. Also the system will allow for the ability to transfer water from the Sweetwater Authority Perdue Water Treatment Plant into either the North or South District.

**JUSTIFICATION OF PROJECT:**

The Integrated Water Resources Plan identifies the objective, goals, purpose, and benefits of interconnecting the North and South Districts as well as for the need to diversify water resources for increased reliability.

**COMMENTS:**

General Fund at 40% expansion and betterment funds from ID 1 at 5%, ID 2 at 2%, ID 3 at 4%, ID 5 at 1%, ID 7 at 5%, ID 9 at 2%, ID 10 at 4%, ID 20 at 7%, and ID 22 at 30%.

**FUND DETAIL:**

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund	40%	60%		100%
<b>TOTAL:</b>	40%	60%		100%

**EXPENDITURE SCHEDULE (X \$1,000):**

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2012	2013	2014	2015	2016	2017	TOTAL
\$500	\$1,400	\$800	\$0	\$0	\$15,400	\$19,200	\$37,300

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2511**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>	07/10	06/11	\$750
<b>DESIGN:</b>	07/11	04/13	\$2,400
<b>CONSTRUCTION:</b>	07/15	06/17	\$34,150

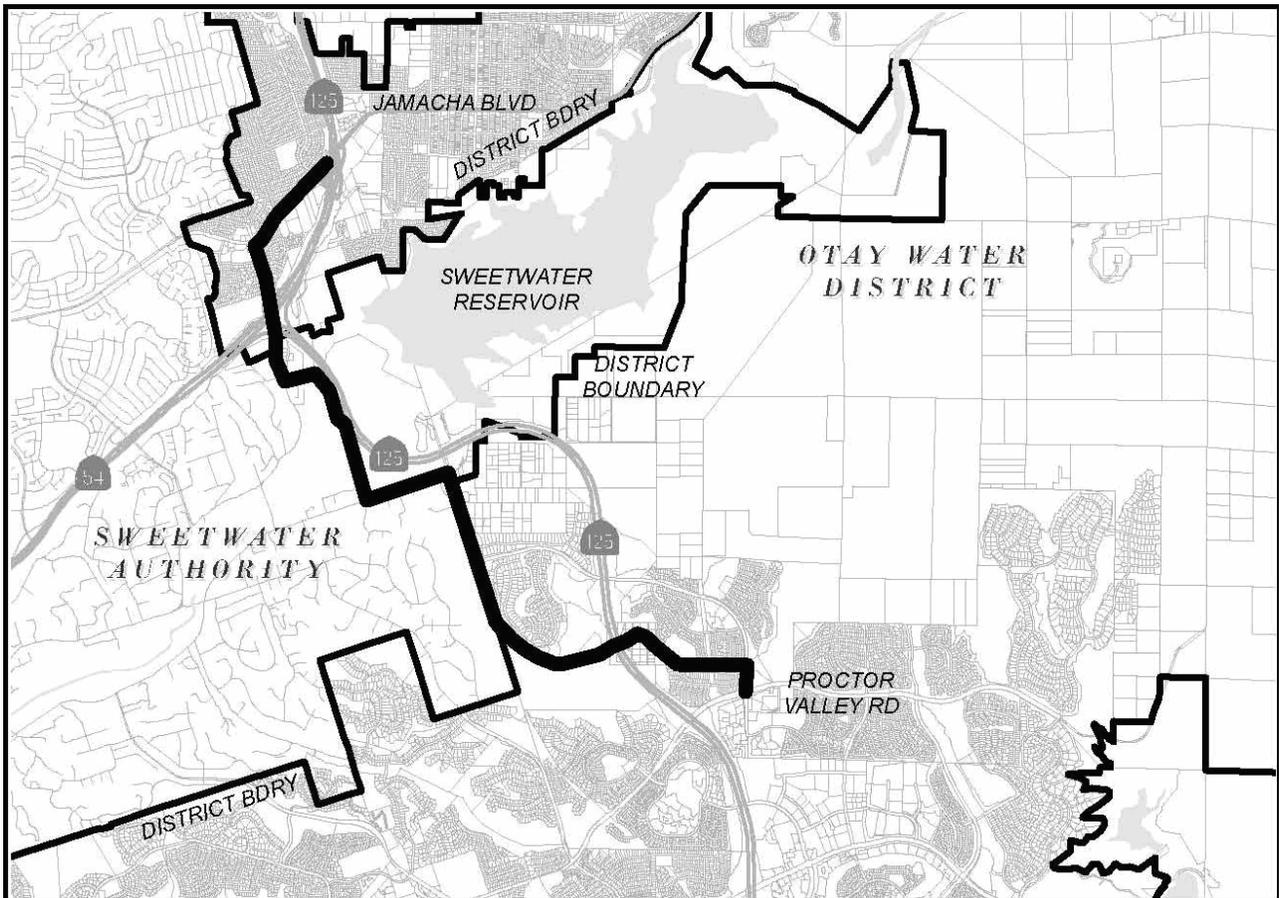
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>\$0</b>

**PROJECT LOCATION:**

**Thomas Bros. Map: 1291**

**OWD Map Book: 184**



**Submitted By:** Gary Silverman

**Date:** 02/18/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2514**

**PROJECT TITLE:** PL - 30-Inch, 980 Zone, Hunte Parkway - Proctor Valley/Use Area

<b>PROJECT MANAGER:</b> Silverman	<b>DIRECTOR DIVISION:</b> 4
<b>ORIGINAL APPROVED DATE:</b>	<b>I.D. LOCATION:</b> 22
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$1,500,000

**DESCRIPTION OF PROJECT:**

Construction of approximately 2,200 feet of 30-inch pipeline in Hunte Parkway from Proctor Valley Road to the existing 980 Pressure Zone 30-inch pipeline at the southern end of the District's Use Area.

**JUSTIFICATION OF PROJECT:**

The existing transmission main capacity within the 980 Pressure Zone is insufficient to meet the needs of the system during peak demand periods. This project will resolve the peak demand pressure issues.

**COMMENTS:**

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
General Fund	100%			100%
<b>TOTAL:</b>	100%			100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
	\$750	\$750	\$0	\$0	\$0	\$0	\$1,500

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2514**

**PROJECT SCHEDULE:**

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/11	12/11	\$100
DESIGN:	01/12	12/12	\$200
CONSTRUCTION:	01/13	06/13	\$1,200

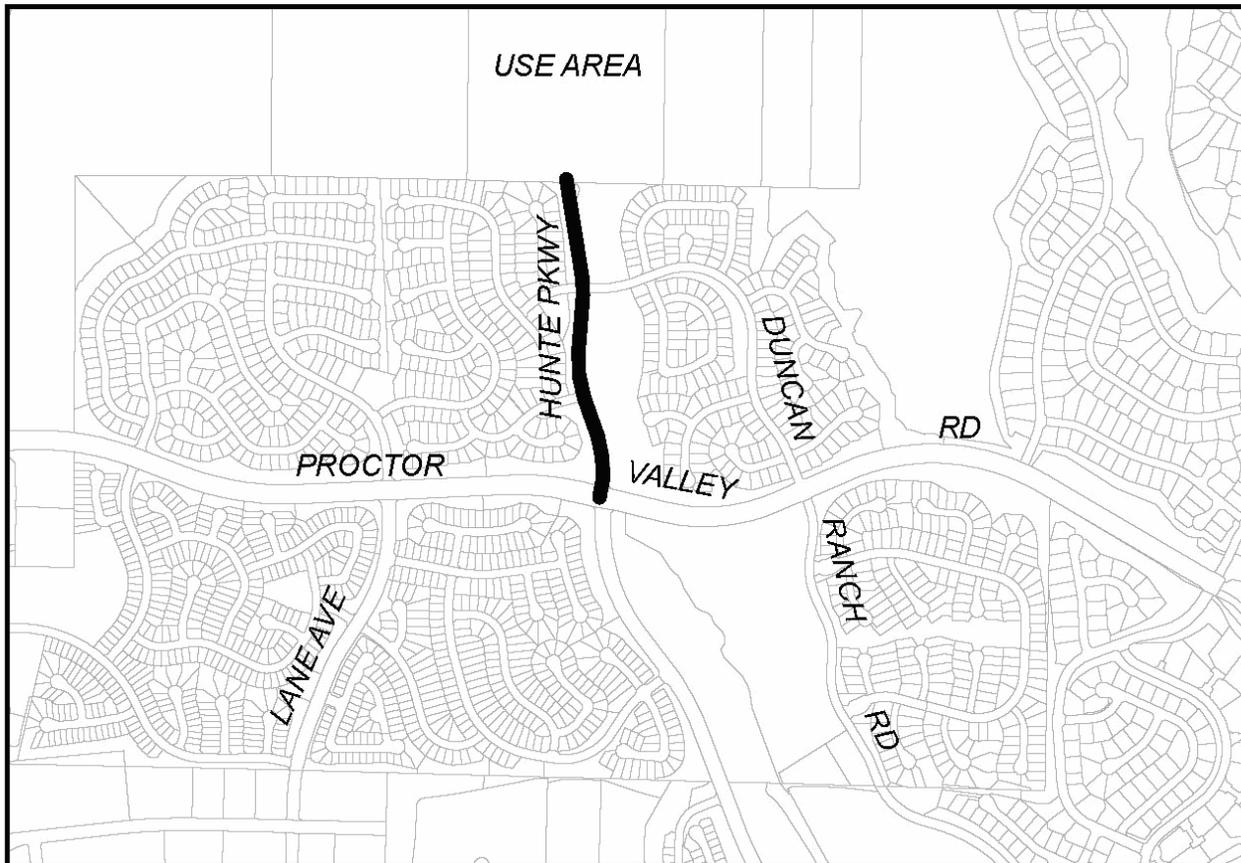
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

FY	FY	FY	FY	FY	FY	TOTAL
2012	2013	2014	2015	2016	2017	
		\$700	\$700	\$700	\$700	\$2,800

**PROJECT LOCATION:**

Thomas Bros. Map: 1311

OWD Map Book: 159



Submitted By: Gary Silverman

Date: 02/18/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2517**

**PROJECT TITLE:** Chase Avenue Helix and Otay Interconnection

<b>PROJECT MANAGER:</b>	Silverman	<b>DIRECTOR DIVISION:</b>	5
<b>ORIGINAL APPROVED DATE:</b>		<b>I.D. LOCATION:</b>	3
<b>RELATED CIP PROJECTS:</b>		<b>PRIORITY:</b>	1
		<b>BUDGET AMOUNT:</b>	\$400,000

**DESCRIPTION OF PROJECT:**

This project provides for a new interconnection located in Chase Avenue with the Helix Water District that will be capable of flowing potable water to either agency at the 978 elevation hydraulic grade.

**JUSTIFICATION OF PROJECT:**

This interconnection would provide a vital role in supplying Otay WD with an alternative water source during an outage or water supply shortage.

**COMMENTS:**

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
I.D. 3		100%		100%
<b>TOTAL:</b>		100%		100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
	\$100	\$300	\$0	\$0	\$0	\$0	\$400

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2517**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>	07/11	09/11	\$10
<b>DESIGN:</b>	10/11	02/12	\$90
<b>CONSTRUCTION:</b>	03/12	09/12	\$300

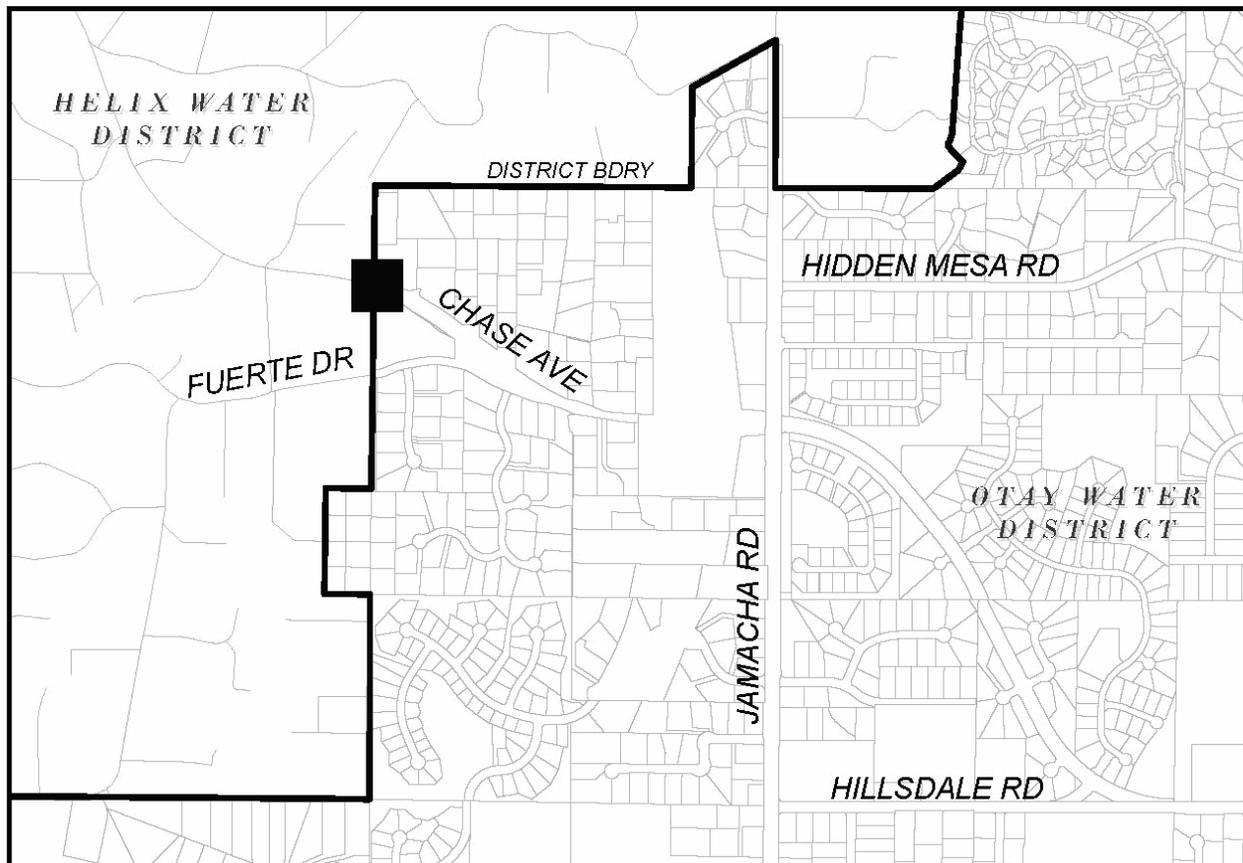
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
2012	2013	2014	2015	2016	2017	\$0

**PROJECT LOCATION:**

**Thomas Bros. Map: 1272**

**OWD Map Book: 367**



**Submitted By:** Gary Silverman

**Date:** 02/18/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: R2048**

**PROJECT TITLE: RecPL - Otay Mesa Distribution Pipelines and Conversions**

<b>PROJECT MANAGER:</b> Kay	<b>DIRECTOR DIVISION:</b> 2
<b>ORIGINAL APPROVED DATE:</b> 6/23/2008	<b>I.D. LOCATION:</b> 7
<b>RELATED CIP PROJECTS:</b> R2058, R2077, R2087	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$2,200,000

**DESCRIPTION OF PROJECT:**

Construction of various distribution pipeline links and conversion of existing pipelines for recycled water use within the 860 Pressure Zone of the Otay Mesa System.

**JUSTIFICATION OF PROJECT:**

This project will connect the existing distribution recycled water pipelines, currently supplied with potable water, to the planned construction of pipeline links to supply all those existing water demands within the Otay Mesa System with recycled water.

**COMMENTS:**

Funding opportunity is the United States Bureau of Reclamation Water Reclamation and Reuse Program, Title XVI of P.L. 102-575.

**FUND DETAIL:**

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
Recycled	100%			100%
<b>TOTAL:</b>	100%			100%

**EXPENDITURE SCHEDULE (X \$1,000):**

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2012	2013	2014	2015	2016	2017	TOTAL
\$250	\$100	\$0	\$0	\$0	\$810	\$1,040	\$2,200

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: R2048**

**PROJECT SCHEDULE:**

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/08	12/08	\$80
DESIGN:	01/09	06/11	\$220
CONSTRUCTION:	07/15	06/17	\$1,900

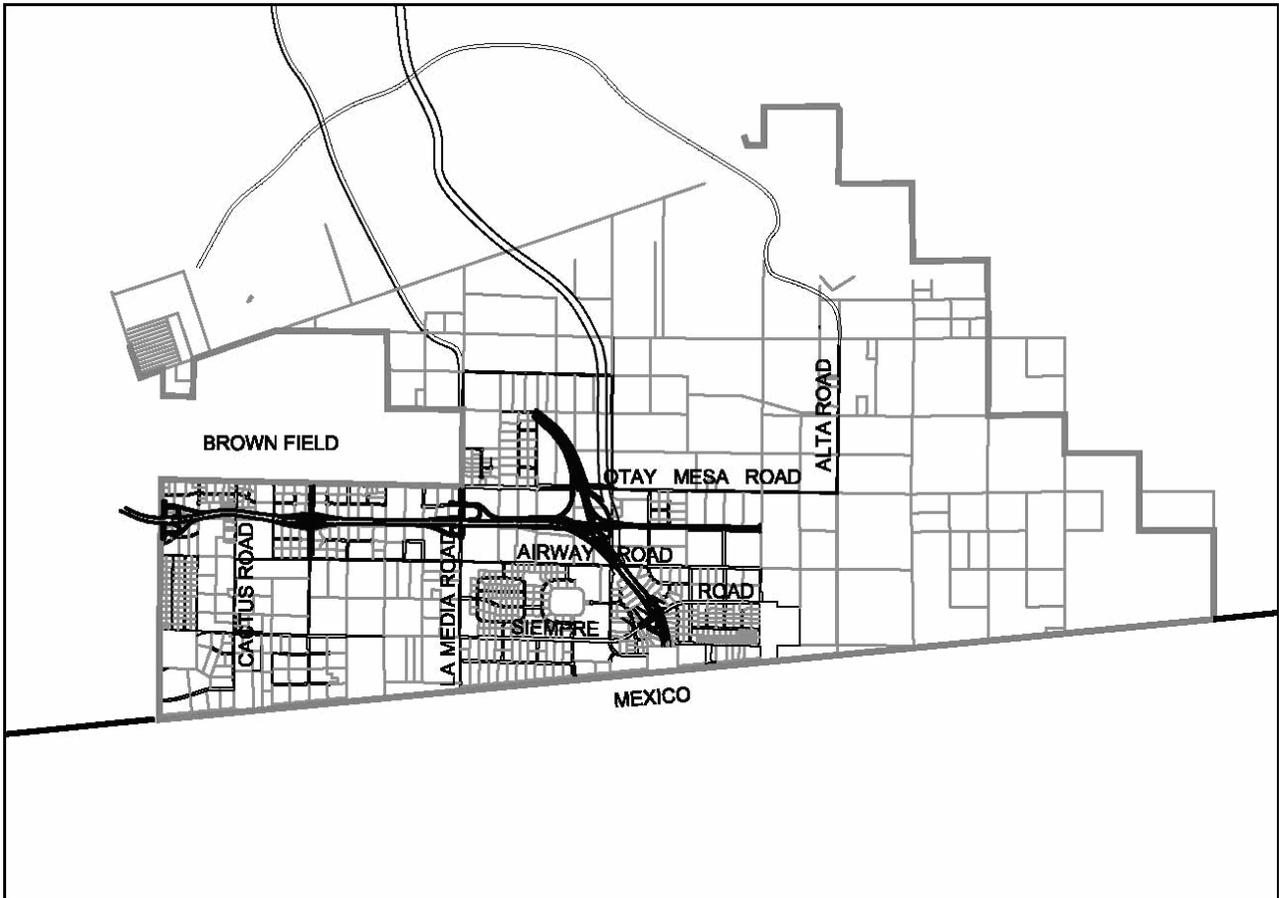
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

FY	FY	FY	FY	FY	FY	TOTAL
2012	2013	2014	2015	2016	2017	\$0

**PROJECT LOCATION:**

**Thomas Bros. Map:**

**OWD Map Book:**



**Submitted By:** Daniel Kay

**Date:** 02/02/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: R2058**

**PROJECT TITLE:** RecPL - 16-Inch, 860 Zone, Airway Road - Otay Mesa/Alta

<b>PROJECT MANAGER:</b> Kay	<b>DIRECTOR DIVISION:</b> 2
<b>ORIGINAL APPROVED DATE:</b> 6/16/1999	<b>I.D. LOCATION:</b> 7
<b>RELATED CIP PROJECTS:</b> R2048, R2077, R2087	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$3,500,000

**DESCRIPTION OF PROJECT:**

Construction of approximately 10,700 feet of 16-inch pipeline within the 860 Pressure Zone in Airway Road from Otay Mesa Road to Alta Road. Portions of this project will be constructed by developers and these are subject to reimbursement at actual cost per Board policy.

**JUSTIFICATION OF PROJECT:**

This project will provide transmission capacity for development of Otay Mesa within the 860 Pressure Zone.

**COMMENTS:**

Funding opportunity is the United States Bureau of Reclamation Water Reclamation and Reuse Program, Title XVI of P.L. 102-575.

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
Recycled	100%			100%
<b>TOTAL:</b>	100%			100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
\$1,100	\$150	\$150	\$0	\$0	\$0	\$2,100	\$3,500

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: R2058**

**PROJECT SCHEDULE:**

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/01	12/09	\$120
DESIGN:	01/10	06/11	\$330
CONSTRUCTION:	07/11	06/17	\$3,050

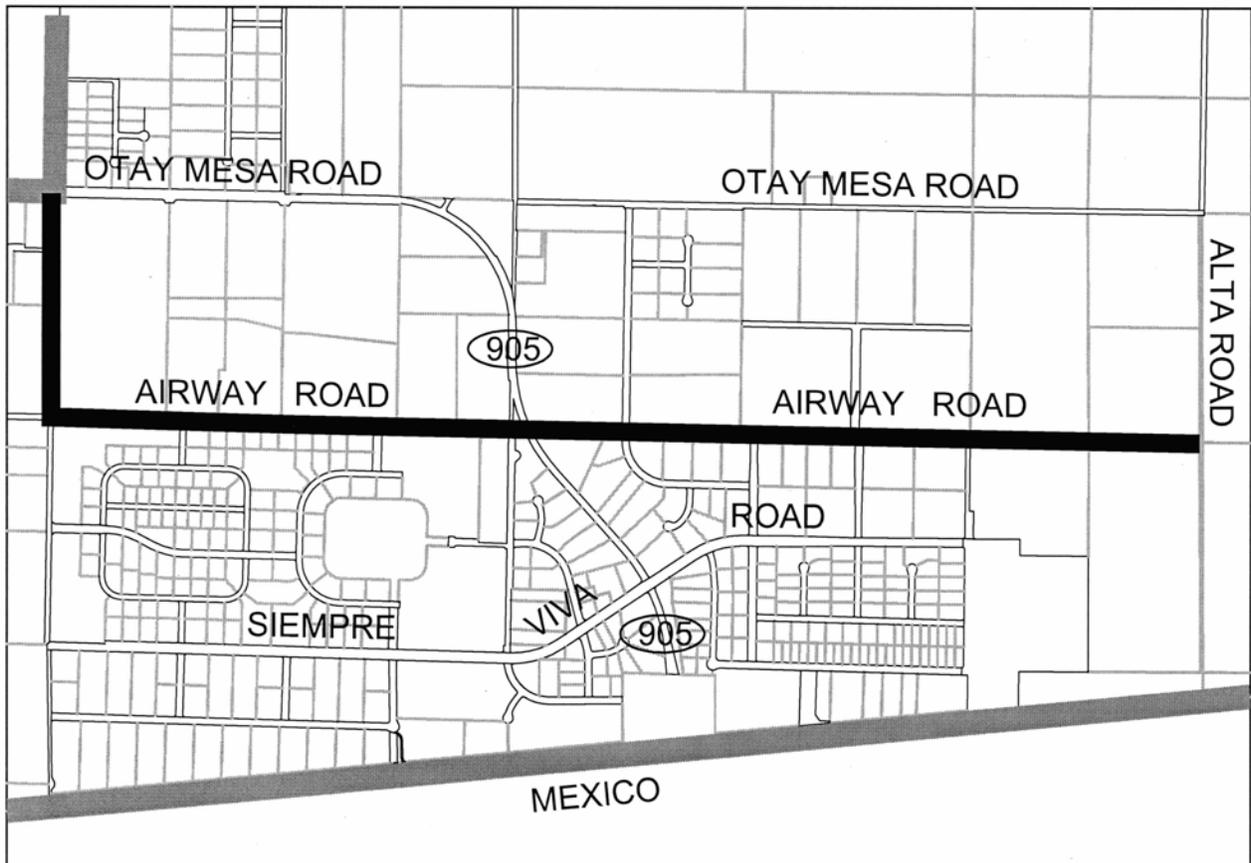
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

FY	FY	FY	FY	FY	FY	TOTAL
2012	2013	2014	2015	2016	2017	
						\$0

**PROJECT LOCATION:**

Thomas Bros. Map: 1351

OWD Map Book: 12



Submitted By: Daniel Kay

Date: 02/18/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: R2077**

**PROJECT TITLE:** RecPL - 24-Inch, 860 Zone, Alta Road - Alta Gate/Airway

<b>PROJECT MANAGER:</b> Kay	<b>DIRECTOR DIVISION:</b> 2
<b>ORIGINAL APPROVED DATE:</b> 5/23/2006	<b>I.D. LOCATION:</b> 7
<b>RELATED CIP PROJECTS:</b> R2048, R2058, R2087	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$4,500,000

**DESCRIPTION OF PROJECT:**

Construction of approximately 9,300 feet 24-inch pipeline within the 860 Pressure Zone in Alta Road from the Alta Gate location to Airway Road. This project will be constructed as part of the Otay Mesa recycled water system.

**JUSTIFICATION OF PROJECT:**

This project will provide transmission capacity for development of Otay Mesa and link the planned 860-1 Reservoir with the recycled water transmission system in Otay Mesa.

**COMMENTS:**

Funding opportunity is the United States Bureau of Reclamation Water Reclamation and Reuse Program, Title XVI of P.L. 102-575.

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
Recycled	100%			100%
<b>TOTAL:</b>	100%			100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
\$2,026	\$350	\$350	\$0	\$0	\$0	\$1,774	\$4,500

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: R2077**

**PROJECT SCHEDULE:**

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/01	12/09	\$164
DESIGN:	01/10	06/11	\$451
CONSTRUCTION:	07/11	06/17	\$3,885

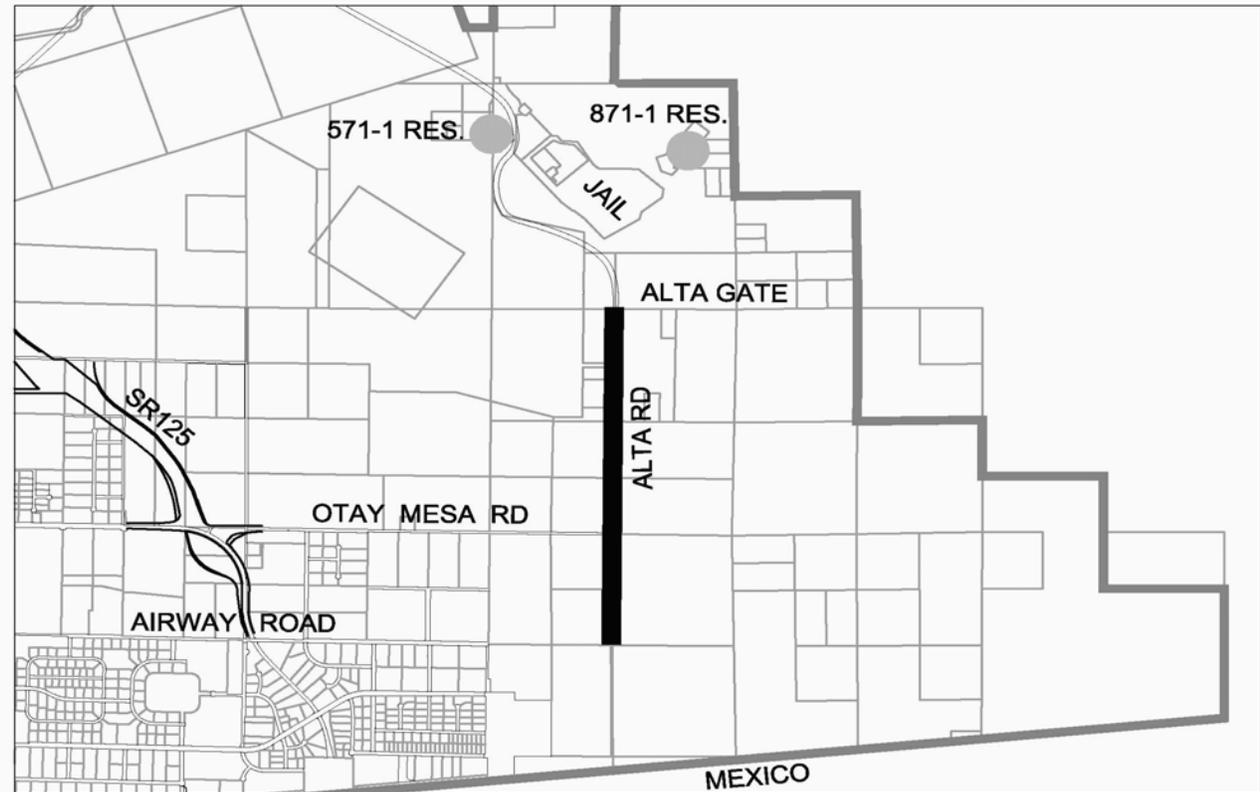
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

FY	FY	FY	FY	FY	FY	TOTAL
2012	2013	2014	2015	2016	2017	
						\$0

**PROJECT LOCATION:**

**Thomas Bros. Map: 1332**

**OWD Map Book: 39**



**Submitted By:** Daniel Kay

**Date:** 02/02/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: R2087**

**PROJECT TITLE:** RecPL - 24-Inch, 927 Zone, Wueste Road - Olympic/Otay WTP

<b>PROJECT MANAGER:</b> Cameron	<b>DIRECTOR DIVISION:</b> 2
<b>ORIGINAL APPROVED DATE:</b> 5/23/2006	<b>I.D. LOCATION:</b> 22
<b>RELATED CIP PROJECTS:</b> R2048, R2058, R2077	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$7,000,000

**DESCRIPTION OF PROJECT:**

Construction of approximately 15,100 feet of 24-inch pipeline within the 927 Pressure Zone in Wueste Road from Olympic Parkway to near the existing City of San Diego Otay WTP. This project will be constructed as part of the Otay Mesa recycled water system supply link.

**JUSTIFICATION OF PROJECT:**

This project will provide transmission capacity for development of Otay Mesa and is a part of the link to the 927 Pressure Zone supply to the planned 860-1 Reservoir within the Otay Mesa recycled water system.

**COMMENTS:**

Funding opportunity is the United States Bureau of Reclamation Water Reclamation and Reuse Program, Title XVI of P.L. 102-575.

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
Recycled	100%			100%
<b>TOTAL:</b>	100%			100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
\$875	\$150	\$0	\$0	\$0	\$0	\$5,975	\$7,000

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: R2087**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>	09/06	12/09	\$180
<b>DESIGN:</b>	01/10	06/11	\$495
<b>CONSTRUCTION:</b>	07/16	06/17	\$6,325

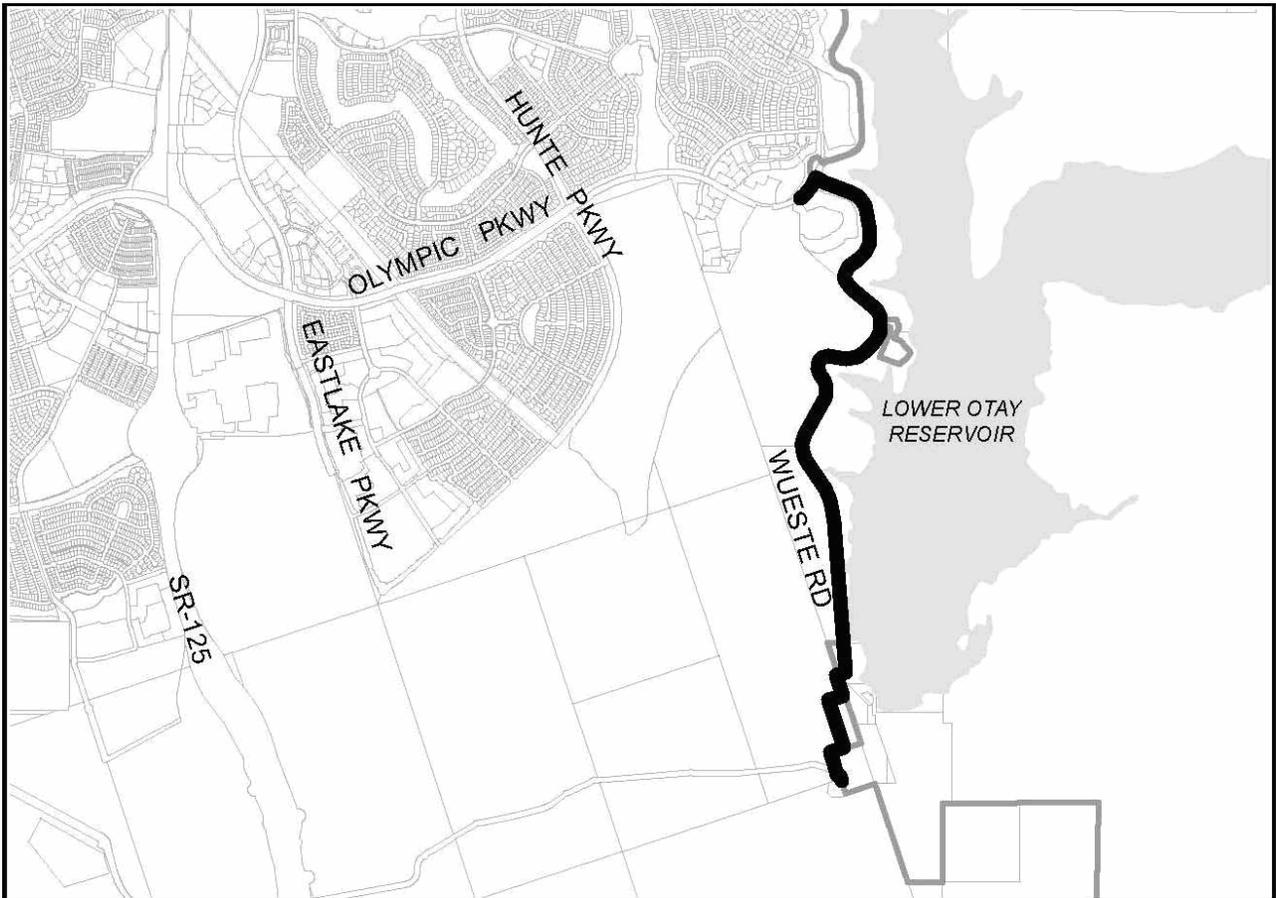
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
						\$0

**PROJECT LOCATION:**

**Thomas Bros. Map: 1312**

**OWD Map Book: 85**



**Submitted By:** Kevin Cameron

**Date:** 02/08/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: R2091**

**PROJECT TITLE: RecPS - 927-1 Pump Station Upgrade (10,000 GPM) and System Enhancements**

<b>PROJECT MANAGER:</b> Kay	<b>DIRECTOR DIVISION:</b> 1
<b>ORIGINAL APPROVED DATE:</b> 5/29/2007	<b>I.D. LOCATION:</b> 22
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$3,950,000

**DESCRIPTION OF PROJECT:**

This project consists of increasing the capacity of the existing station from 6,600 gallons per minute (gpm) to 10,000 gpm, installing three pressure reducing stations in the 927 Pressure Zone, replacing service saddles in a few streets, replacing 1,800 feet of 16-inch pipeline in EastLake Parkway, and replacing 1,200 of 16-inch pipeline in Hunte Parkway.

**JUSTIFICATION OF PROJECT:**

The overall operating conditions of the pump station have been modified as a result of the planned service to the Otay Mesa System recycled water system from the Central Area System. As a result the existing pumps within the station are undersized and some of the existing recycled water system pipelines will experience operating pressures above their rated pipeline pressure class. The project is planned to be accomplished in two phases.

**COMMENTS:**

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
Recycled	100%			100%
<b>TOTAL:</b>	100%			100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
\$500	\$1,500	\$100	\$0	\$0	\$0	\$1,850	\$3,950

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: R2091**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>	07/07	04/08	\$60
<b>DESIGN:</b>	05/08	01/11	\$120
<b>CONSTRUCTION:</b>	07/16	06/17	\$3,770

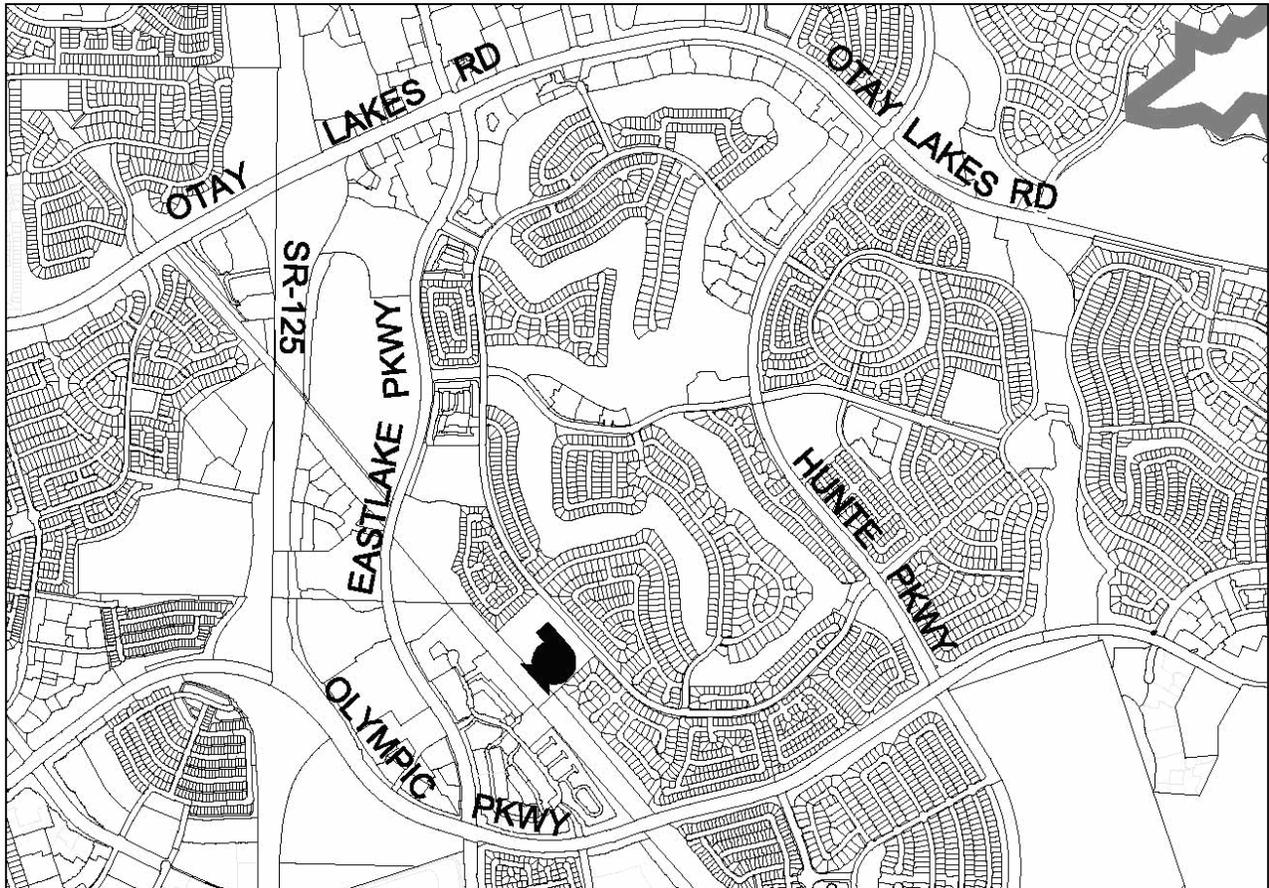
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
2012	2013	2014	2015	2016	2017	\$0

**PROJECT LOCATION:**

Thomas Bros. Map: 1311

OWD Map Book: 115



Submitted By: Daniel Kay

Date: 02/02/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: R2094**

**PROJECT TITLE: Potable Irrigation Meters to Recycled Water Conversions**

<b>PROJECT MANAGER:</b> Charles	<b>DIRECTOR DIVISION:</b> 1
<b>ORIGINAL APPROVED DATE:</b> 5/21/2009	<b>I.D. LOCATION:</b> 22
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$3,100,000

**DESCRIPTION OF PROJECT:**

This project is to fund the conversion of existing potable water irrigation systems to use recycled water within existing multifamily and commercial type developments located adjacent to existing recycled water mains within the City of Chula Vista.

**JUSTIFICATION OF PROJECT:**

The expansion of recycled water development allows for potable water savings and increases the purchases of supply from the SBWRP.

**COMMENTS:**

Water Supply project 40% expansion and betterment funds from ID 22 at 60%.

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
Water Supply	40%	60%		100%
<b>TOTAL:</b>	40%	60%		100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
\$1,500	\$200	\$200	\$300	\$300	\$300	\$300	\$3,100

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: R2094**

**PROJECT SCHEDULE:**

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/09	12/09	\$80
DESIGN:	01/10	06/11	\$450
CONSTRUCTION:	07/11	06/17	\$2,570

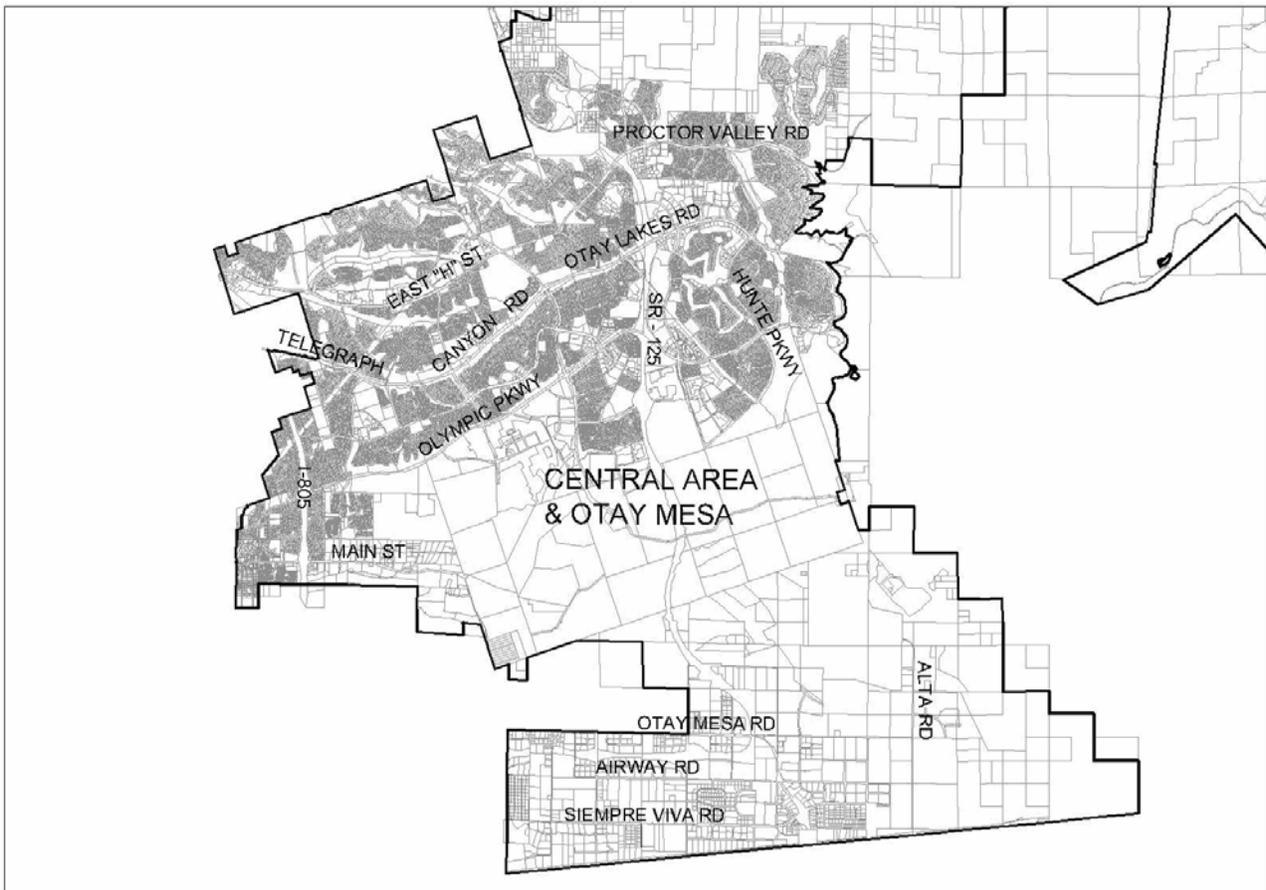
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

FY	FY	FY	FY	FY	FY	TOTAL
2012	2013	2014	2015	2016	2017	
						\$0

**PROJECT LOCATION:**

**Thomas Bros. Map:**

**OWD Map Book:**



**Submitted By:** David Charles

**Date:** 02/25/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2366**

**PROJECT TITLE: APCD Engine Replacements and Retrofits**

<b>PROJECT MANAGER:</b>	Rahders	<b>DIRECTOR DIVISION:</b>	
<b>ORIGINAL APPROVED DATE:</b>	12/6/2000	<b>I.D. LOCATION:</b>	
<b>RELATED CIP PROJECTS:</b>		<b>PRIORITY:</b>	1
		<b>BUDGET AMOUNT:</b>	\$3,488,000

**DESCRIPTION OF PROJECT:**

This project is to replace and/or retrofit 14 diesel fuel burning engines with best technology exhaust gas control systems throughout the Otay WD to comply with APCD engine emission regulations. The Otay WD also needs to replace, repower, and/or retrofit the heavy vehicle diesel fleet to comply with upcoming emissions regulations.

**JUSTIFICATION OF PROJECT:**

The Otay WD is required to replace and/or retrofit its engines to meet current APCD requirements including the Air Toxics Control Measures, and to be consistent with the intended operation of the engines to meet system demands. The Otay WD also needs to replace, repower, and/or retrofit the heavy vehicle diesel fleet to meet future emissions requirements.

**COMMENTS:**

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
\$2,127	\$295	\$232	\$234	\$200	\$200	\$200	\$3,488

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2366**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>	12/00	06/01	\$113
<b>DESIGN:</b>	07/01	06/10	\$312
<b>CONSTRUCTION:</b>	07/10	06/17	\$3,063

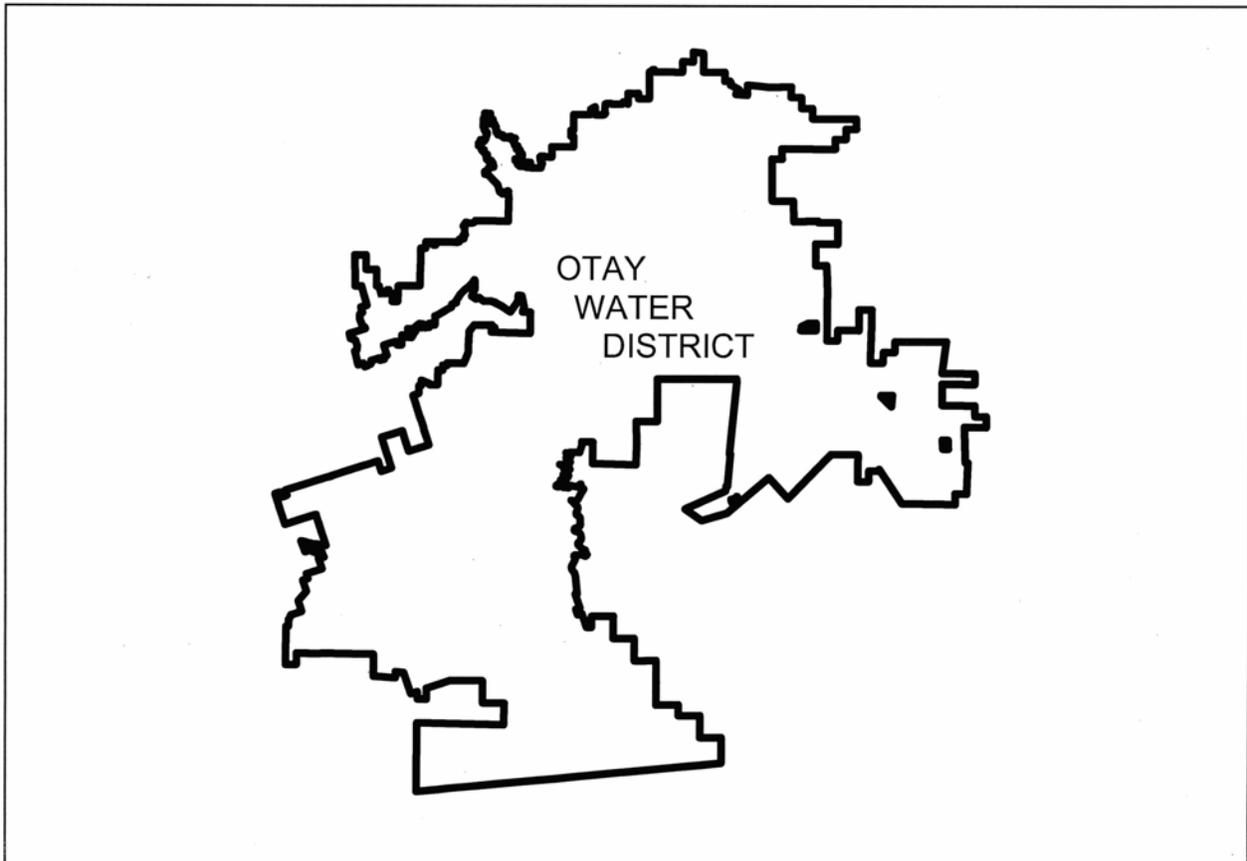
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>\$0</b>

**PROJECT LOCATION:**

**Thomas Bros. Map:**

**OWD Map Book:**



**Submitted By:** Doug Rahders

**Date:** 02/25/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2382**

**PROJECT TITLE:** Safety and Security Improvements

<b>PROJECT MANAGER:</b> Munoz	<b>DIRECTOR DIVISION:</b>
<b>ORIGINAL APPROVED DATE:</b> 6/5/2002	<b>I.D. LOCATION:</b>
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$3,397,000

**DESCRIPTION OF PROJECT:**

This project is to improve the security of the Otay WD facilities by installing and upgrading to current standards the hardware and software required to provide access control, video surveillance, intrusion detection and response, and SCADA communication.

**JUSTIFICATION OF PROJECT:**

Although existing facilities are relatively safe and secure, the Federal government has recommended that security to water systems be improved. The project is required to fund needed changes and improvements to District facilities.

**COMMENTS:**

General Fund at 40% expansion and 60% replacement.

**FUND DETAIL:**

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund	40%		60%	100%
<b>TOTAL:</b>	40%		60%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2012	2013	2014	2015	2016	2017	TOTAL
\$1,417	\$480	\$300	\$300	\$300	\$300	\$300	\$3,397

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2382**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>	07/02	08/03	\$62
<b>DESIGN:</b>	09/03	06/10	\$169
<b>CONSTRUCTION:</b>	08/04	06/17	\$3,166

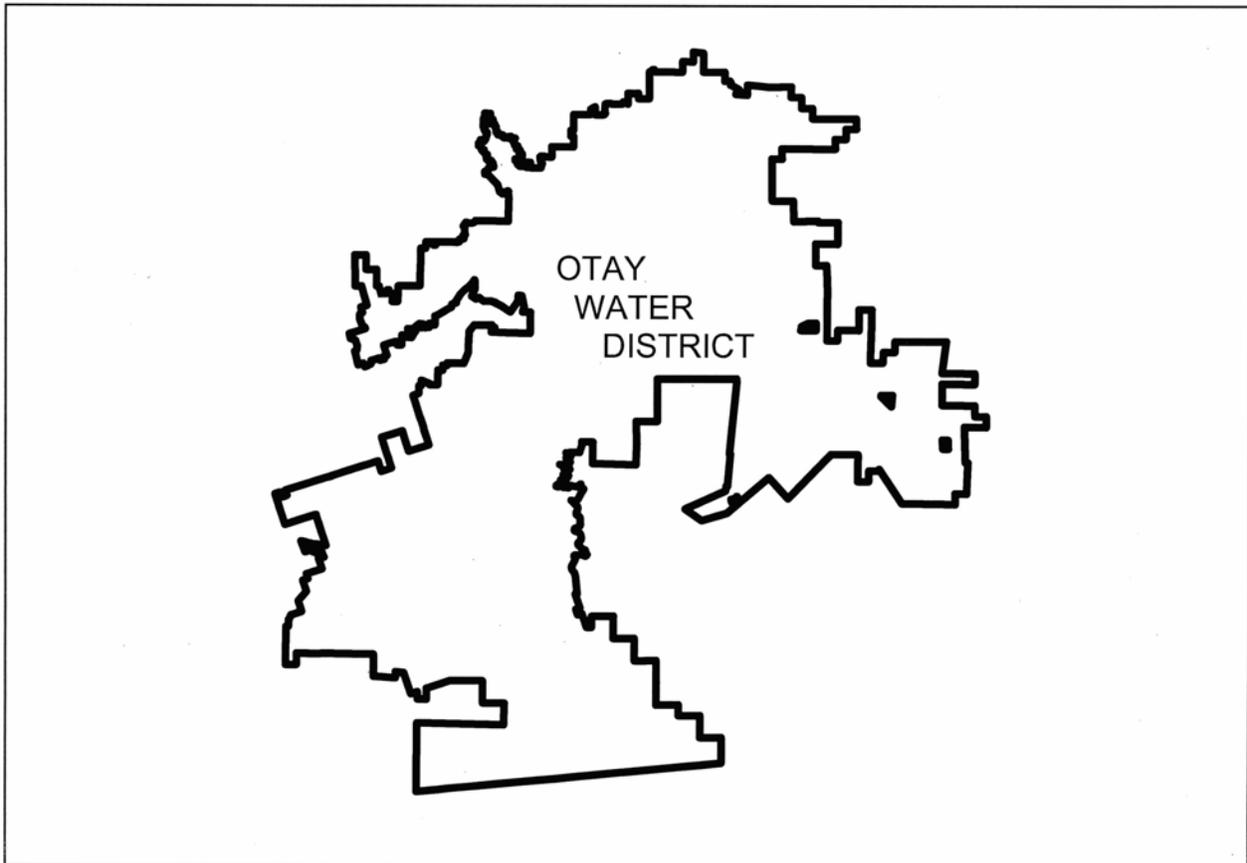
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>\$0</b>

**PROJECT LOCATION:**

**Thomas Bros. Map:**

**OWD Map Book:**



**Submitted By:** Jerry Munoz

**Date:** 02/18/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2416**

**PROJECT TITLE: SR-125 Utility Relocations**

<b>PROJECT MANAGER:</b> Kennedy	<b>DIRECTOR DIVISION:</b>
<b>ORIGINAL APPROVED DATE:</b> 6/4/2003	<b>I.D. LOCATION:</b>
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$963,000

**DESCRIPTION OF PROJECT:**

This project provides funding for all utility relocations required due to construction of SR-125. Facility relocations vary in size from 8-inch to 24-inch and they impact both the potable and recycled water systems.

**JUSTIFICATION OF PROJECT:**

Otay River Constructors, under contract with California Transportation Ventures, has constructed SR-125, where conflicts with existing Otay WD facilities at various locations occurred. In some cases, the Otay WD did have prior and superior rights. Various facilities were be relocated to avoid physical conflicts.

**COMMENTS:**

A master agreement has been signed with Otay River Constructors to define the relationship between the two entities and outline the process for defining the scope and cost of each required facility relocation.

**FUND DETAIL:**

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2012	2013	2014	2015	2016	2017	TOTAL
\$915	\$48	\$0	\$0	\$0	\$0	\$0	\$963

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2416**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>	10/02	12/03	\$36
<b>DESIGN:</b>	01/04	12/05	\$99
<b>CONSTRUCTION:</b>	10/04	06/12	\$828

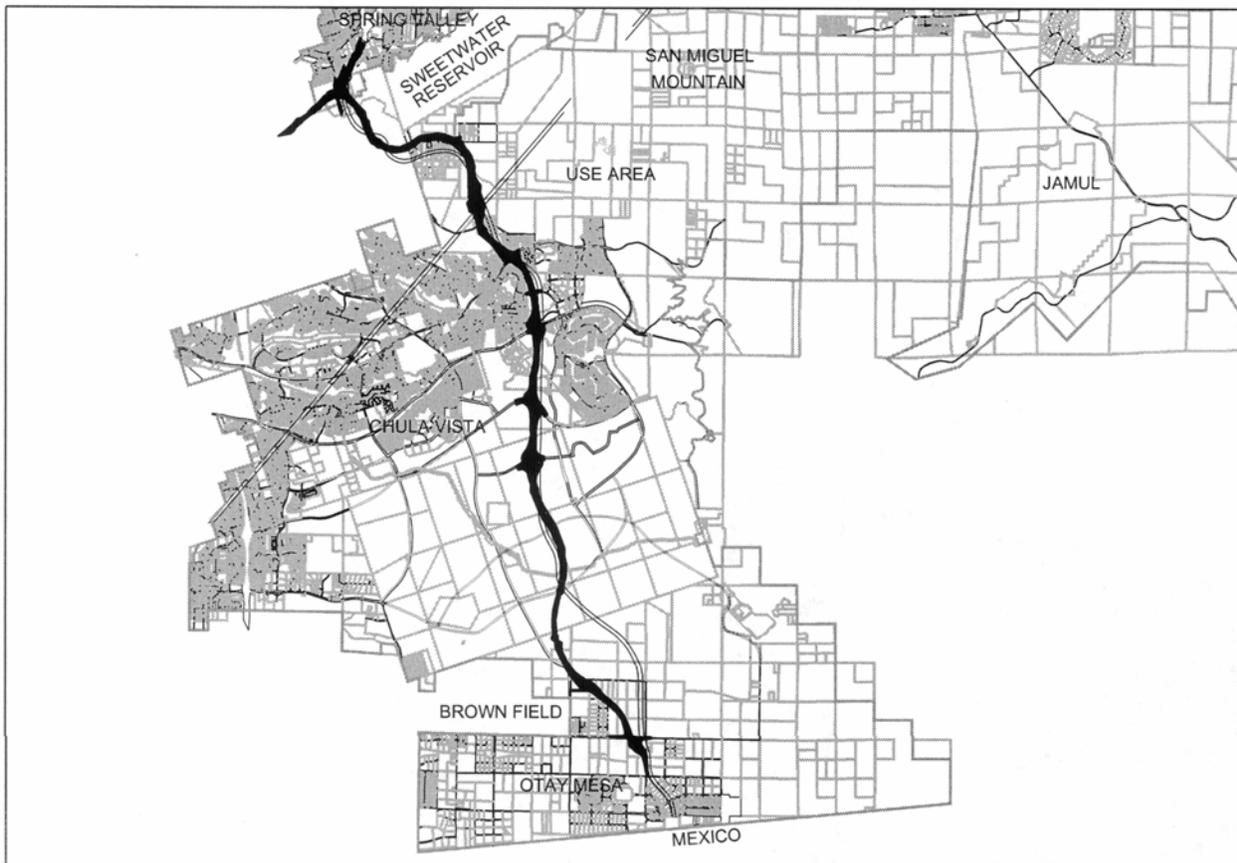
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
2012	2013	2014	2015	2016	2017	\$0

**PROJECT LOCATION:**

**Thomas Bros. Map:**

**OWD Map Book:**



**Submitted By:** Bob Kennedy

**Date:** 02/18/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2440**

**PROJECT TITLE: I-905 Utility Relocations**

<b>PROJECT MANAGER:</b> Silverman	<b>DIRECTOR DIVISION:</b> 2
<b>ORIGINAL APPROVED DATE:</b> 6/2/2004	<b>I.D. LOCATION:</b> 7
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$1,600,000

**DESCRIPTION OF PROJECT:**

This project provides funding for all utility relocations required due to construction of I-905 on the Otay Mesa. Pipeline relocations vary from 12-inch to 24-inch. Five locations have been identified where existing facilities are in conflict with I-905.

**JUSTIFICATION OF PROJECT:**

Caltrans is constructing I-905, which has resulted in utility conflicts with Otay WD pipelines. In all cases, the Otay WD has prior and superior rights. The facilities must be relocated prior to Caltrans construction of I-905. The cost of the facilities relocations that have prior rights will be reimbursed by Caltrans.

**COMMENTS:**

Utility agreements were developed by Caltrans for each of the required facility relocations. Any betterment work such as pipeline size increase and/or additional length are at the Otay WD expense.

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
\$1,566	\$25	\$9	\$0	\$0	\$0	\$0	\$1,600

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2440**

**PROJECT SCHEDULE:**

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	01/03	09/06	\$121
DESIGN:	10/03	09/06	\$332
CONSTRUCTION:	10/06	06/13	\$1,147

**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

FY	FY	FY	FY	FY	FY	TOTAL
2012	2013	2014	2015	2016	2017	\$0

**PROJECT LOCATION:** Thomas Bros. Map: 1351

**OWD Map Book: 10**



**Submitted By:** Gary Silverman

**Date:** 02/18/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2453**

**PROJECT TITLE: SR-11 Utility Relocations**

<b>PROJECT MANAGER:</b> Kay	<b>DIRECTOR DIVISION:</b> 2
<b>ORIGINAL APPROVED DATE:</b> 5/23/2006	<b>I.D. LOCATION:</b> 7
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$155,000

**DESCRIPTION OF PROJECT:**

This project provides funding for all utility relocations required due to construction of SR-11 on the Otay Mesa. Facility relocations vary in size from 8-inch to 24-inch. Both the potable and recycled water systems are impacted.

**JUSTIFICATION OF PROJECT:**

Caltrans will construct SR-11, which will result in utility conflicts with existing Otay WD facilities at various locations. In most cases, the Otay WD does have prior and superior rights. The facilities must be relocated prior to Caltrans construction of SR-11. The cost of the facilities relocations that have prior rights will be reimbursed by Caltrans.

**COMMENTS:**

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
\$5	\$50	\$50	\$50	\$0	\$0	\$0	\$155

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2453**

**PROJECT SCHEDULE:**

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/06	06/10	\$20
DESIGN:	07/09	10/10	\$55
CONSTRUCTION:	11/10	06/14	\$80

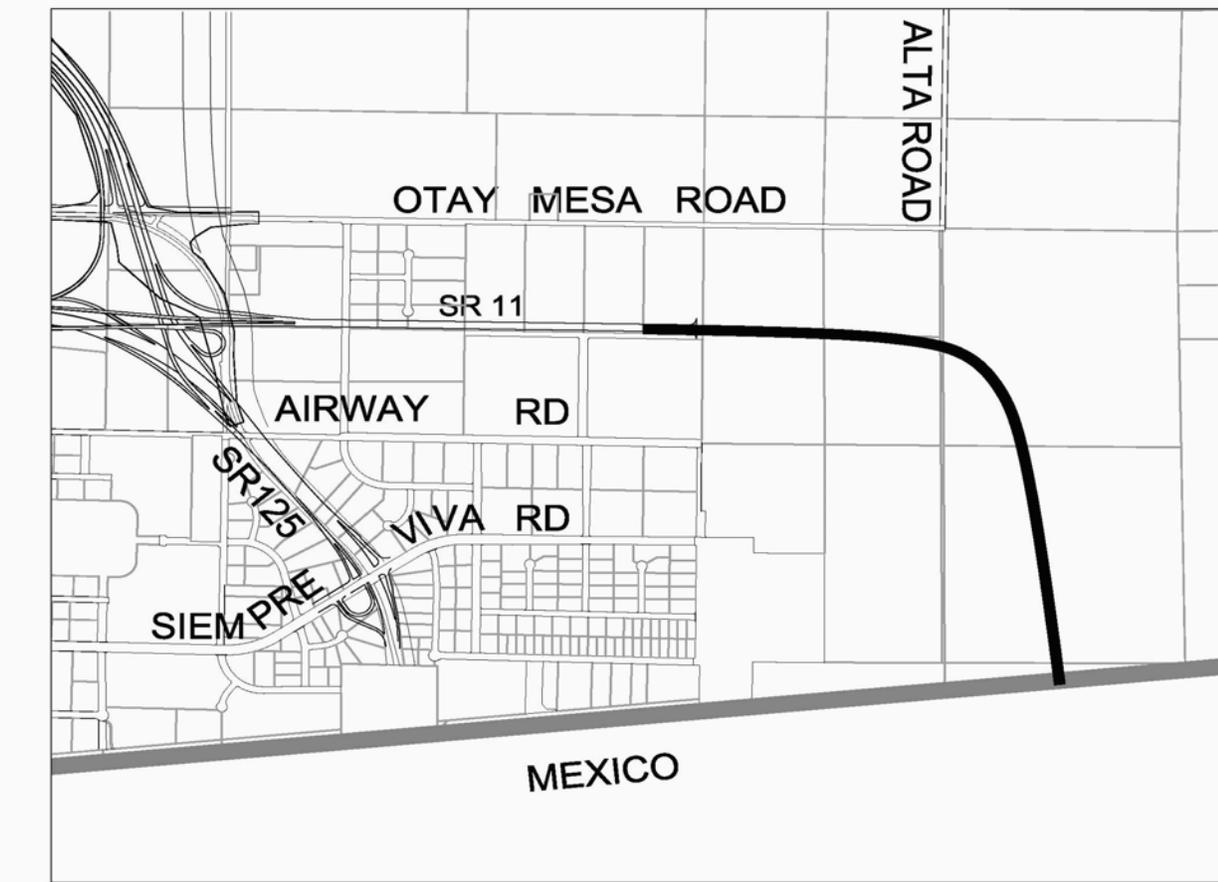
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

FY	FY	FY	FY	FY	FY	TOTAL
2012	2013	2014	2015	2016	2017	
						\$0

**PROJECT LOCATION:**

Thomas Bros. Map: 1351

OWD Map Book: 5



Submitted By: Daniel Kay

Date: 02/02/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2458**

**PROJECT TITLE: AMR Manual Meter Replacement**

<b>PROJECT MANAGER:</b> Keeran	<b>DIRECTOR DIVISION:</b>
<b>ORIGINAL APPROVED DATE:</b> 5/23/2006	<b>I.D. LOCATION:</b>
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$10,298,000

**DESCRIPTION OF PROJECT:**

This project will provide funding to replace all manually read meters with AMR meters. Approximately 34,700 existing manual 3/4-inch meters will be replaced with the AMR meter.

**JUSTIFICATION OF PROJECT:**

This program will benefit the Otay WD in the form of reducing manpower resources as the water systems are expanded. The goal is to complete twelve routes or approximately 5,760 existing meters per year.

**COMMENTS:**

**FUND DETAIL:**

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2012	2013	2014	2015	2016	2017	TOTAL
\$5,448	\$1,400	\$1,400	\$1,400	\$650	\$0	\$0	\$10,298

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2458**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>			
<b>DESIGN:</b>			
<b>CONSTRUCTION:</b>	07/06	06/15	\$10,298

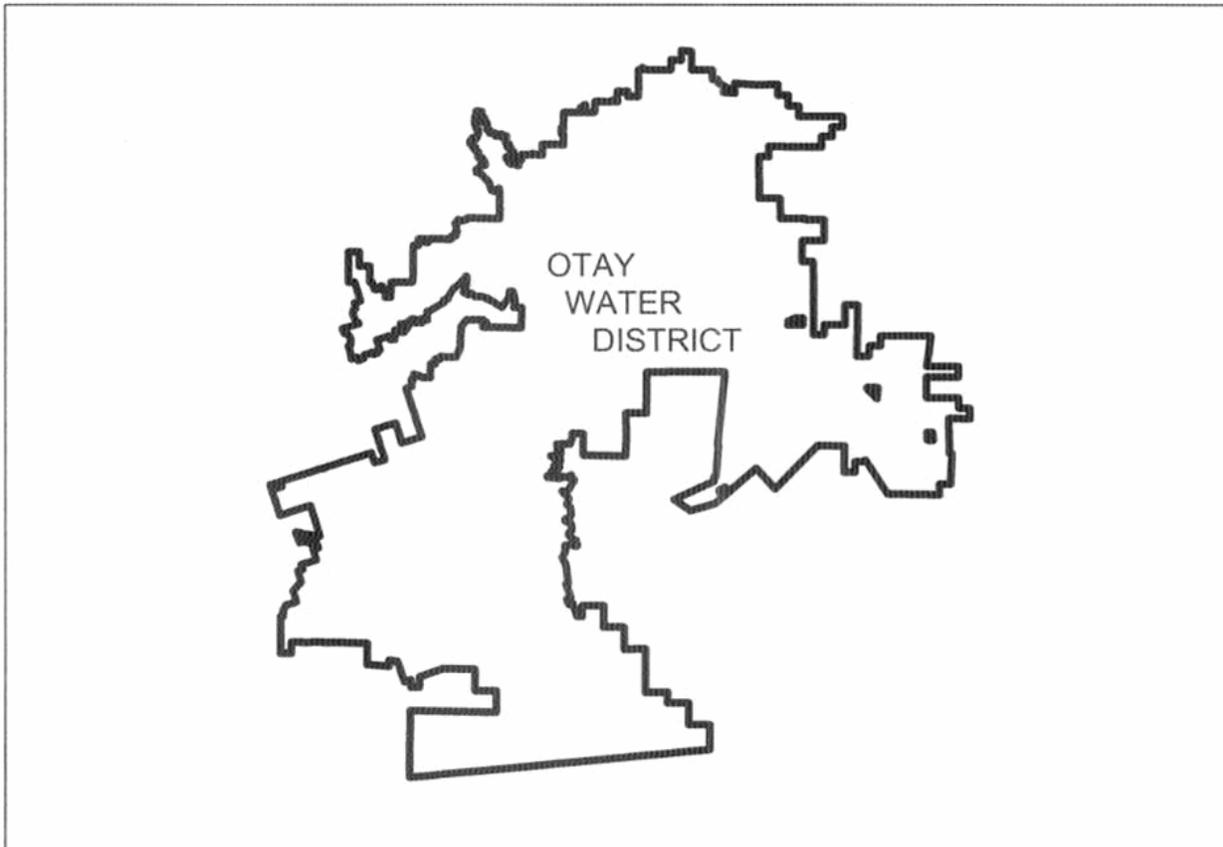
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
				\$-226,400	\$-233,200	\$-459,600

**PROJECT LOCATION:**

**Thomas Bros. Map:**

**OWD Map Book:**



**Submitted By:** Tim Keeran

**Date:** 02/18/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2477**

**PROJECT TITLE:** Res - 624-1 Reservoir Cover Replacement

<b>PROJECT MANAGER:</b> Kay	<b>DIRECTOR DIVISION:</b> 1
<b>ORIGINAL APPROVED DATE:</b> 6/23/2008	<b>I.D. LOCATION:</b> 22
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 2
	<b>BUDGET AMOUNT:</b> \$450,000

**DESCRIPTION OF PROJECT:**

This project is for the replacement of the existing membrane floating cover with new membrane material system.

**JUSTIFICATION OF PROJECT:**

The existing floating membrane cover has reached the end of its useful life and requires replacement to meet regulatory requirements.

**COMMENTS:**

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
\$50	\$200	\$200	\$0	\$0	\$0	\$0	\$450

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2477**

**PROJECT SCHEDULE:**

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/08	02/11	\$8
DESIGN:	03/11	07/11	\$20
CONSTRUCTION:	08/11	12/12	\$422

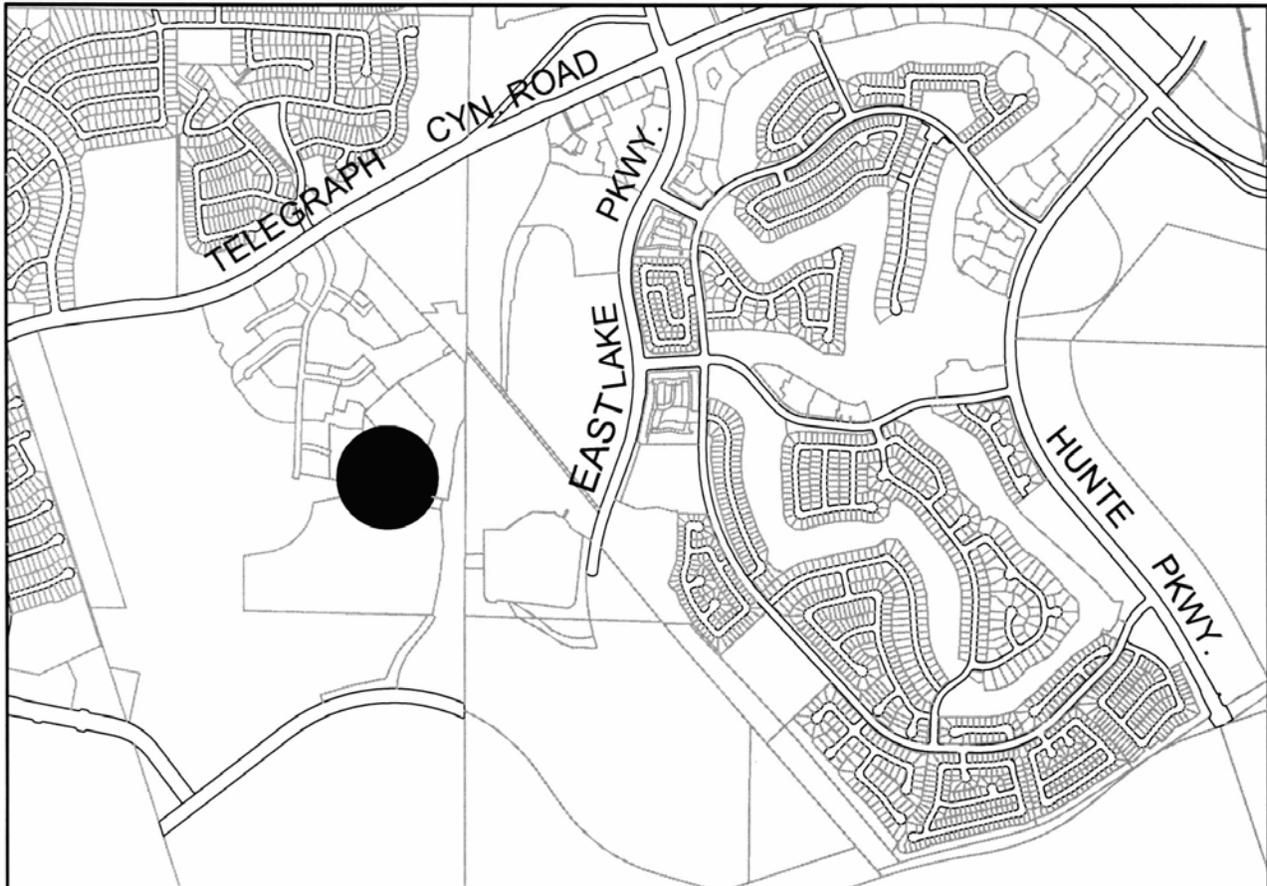
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

FY	FY	FY	FY	FY	FY	TOTAL
2012	2013	2014	2015	2016	2017	
						\$0

**PROJECT LOCATION:**

Thomas Bros. Map: 1311

OWD Map Book: 114



Submitted By: Daniel Kay

Date: 02/02/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2484**

**PROJECT TITLE:** Large Water Meter Replacement Program

<b>PROJECT MANAGER:</b> Keeran	<b>DIRECTOR DIVISION:</b>
<b>ORIGINAL APPROVED DATE:</b> 5/21/2009	<b>I.D. LOCATION:</b>
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$835,000

**DESCRIPTION OF PROJECT:**

This project is for testing and any necessary replacement of water meters larger than 2-inch that do not meet the AWWA standards. There are a total of about 220 meters.

**JUSTIFICATION OF PROJECT:**

To be assured that all of the larger meters are registering accurately and the billing system is collecting the proper funds for water consumed.

**COMMENTS:**

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
\$365	\$220	\$150	\$100	\$0	\$0	\$0	\$835

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2484**

**PROJECT SCHEDULE:**

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:			
DESIGN:			
CONSTRUCTION:	07/09	06/14	\$835

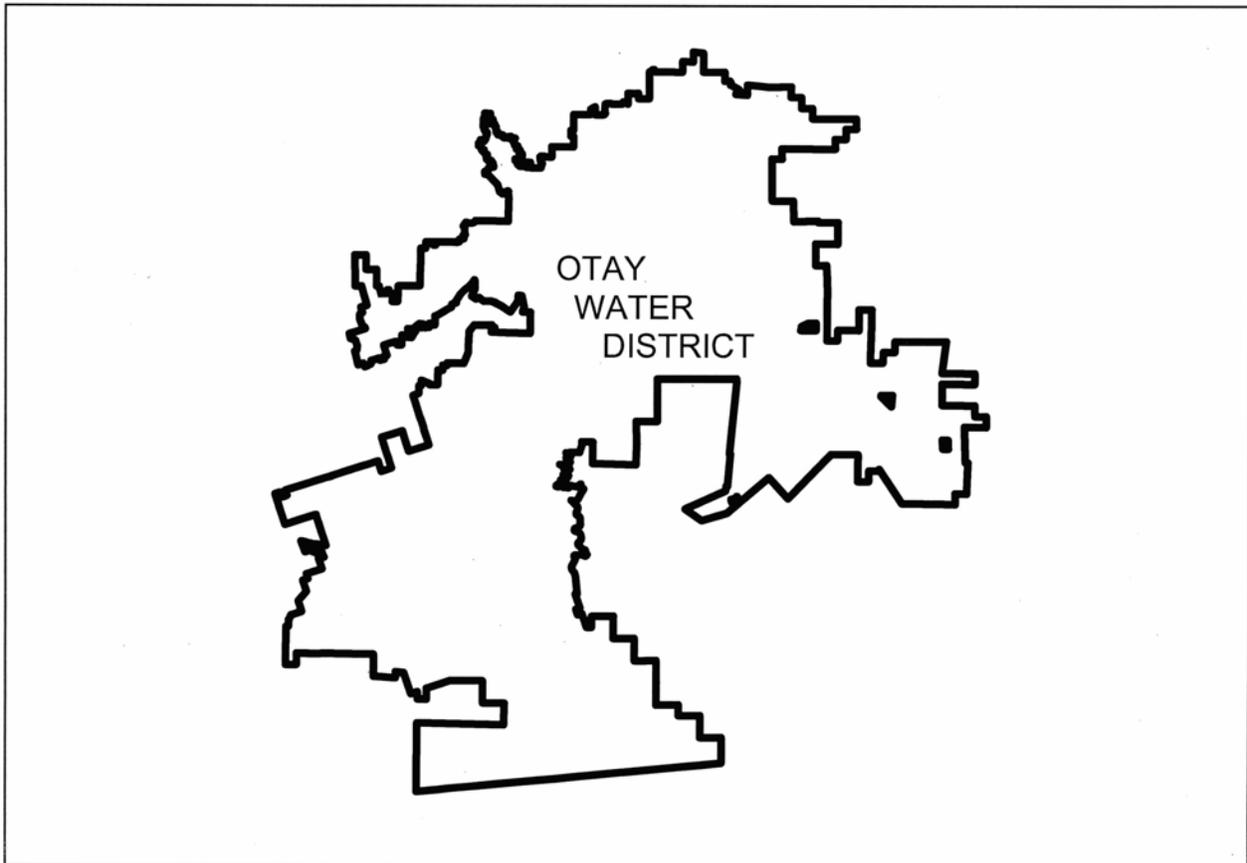
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

FY	FY	FY	FY	FY	FY	TOTAL
2012	2013	2014	2015	2016	2017	
						\$0

**PROJECT LOCATION:**

Thomas Bros. Map:

OWD Map Book:



**Submitted By:** Tim Keeran

**Date:** 02/18/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2485**

**PROJECT TITLE: SCADA Communication System and Software Replacement**

<b>PROJECT MANAGER:</b> Stalker	<b>DIRECTOR DIVISION:</b>
<b>ORIGINAL APPROVED DATE:</b> 5/21/2009	<b>I.D. LOCATION:</b>
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$1,325,000

**DESCRIPTION OF PROJECT:**

This project is for the replacement of the existing SCADA software and radio communication system.

**JUSTIFICATION OF PROJECT:**

The vendor will no longer be upgrading or supporting the existing system beginning 2012. The existing SCADA software is from Factory Link. The radio equipment needs replacement to allow for increased band width capability to increase security systems functionality.

**COMMENTS:**

The SCADA and radio equipment replacement will include the potable and recycled water systems along with the RWCWRF and sewer collection system.

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
\$345	\$350	\$475	\$155	\$0	\$0	\$0	\$1,325

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2485**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>			
<b>DESIGN:</b>			
<b>CONSTRUCTION:</b>	07/09	06/14	\$1,325

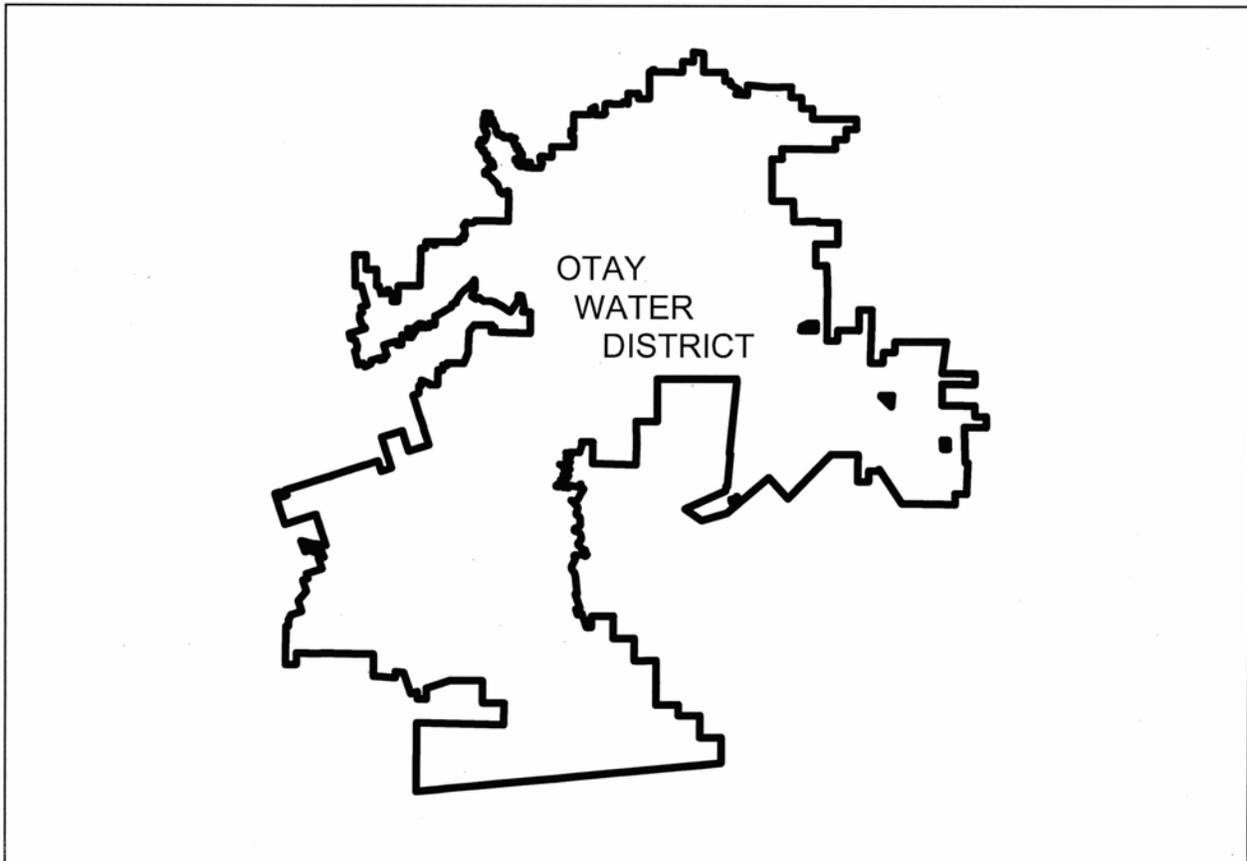
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
2012	2013	2014	2015	2016	2017	\$0

**PROJECT LOCATION:**

**Thomas Bros. Map:**

**OWD Map Book:**



**Submitted By:** Gary Stalker

**Date:** 02/11/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2486**

**PROJECT TITLE:** Asset Management Plan Condition Assessment and Data Acquisition

<b>PROJECT MANAGER:</b> Stevens	<b>DIRECTOR DIVISION:</b>
<b>ORIGINAL APPROVED DATE:</b> 5/21/2009	<b>I.D. LOCATION:</b>
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$1,350,000

**DESCRIPTION OF PROJECT:**

This project is for the development of an integrated Asset Management Plan.

**JUSTIFICATION OF PROJECT:**

Implementation of an Asset Management Plan is best practice and will provide for a formal means of maintaining, replacing, and funding the existing fixed assets.

**COMMENTS:**

**FUND DETAIL:**

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2012	2013	2014	2015	2016	2017	TOTAL
\$850	\$400	\$100	\$0	\$0	\$0	\$0	\$1,350

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2486**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>	07/09	06/13	\$1,350
<b>DESIGN:</b>			
<b>CONSTRUCTION:</b>			

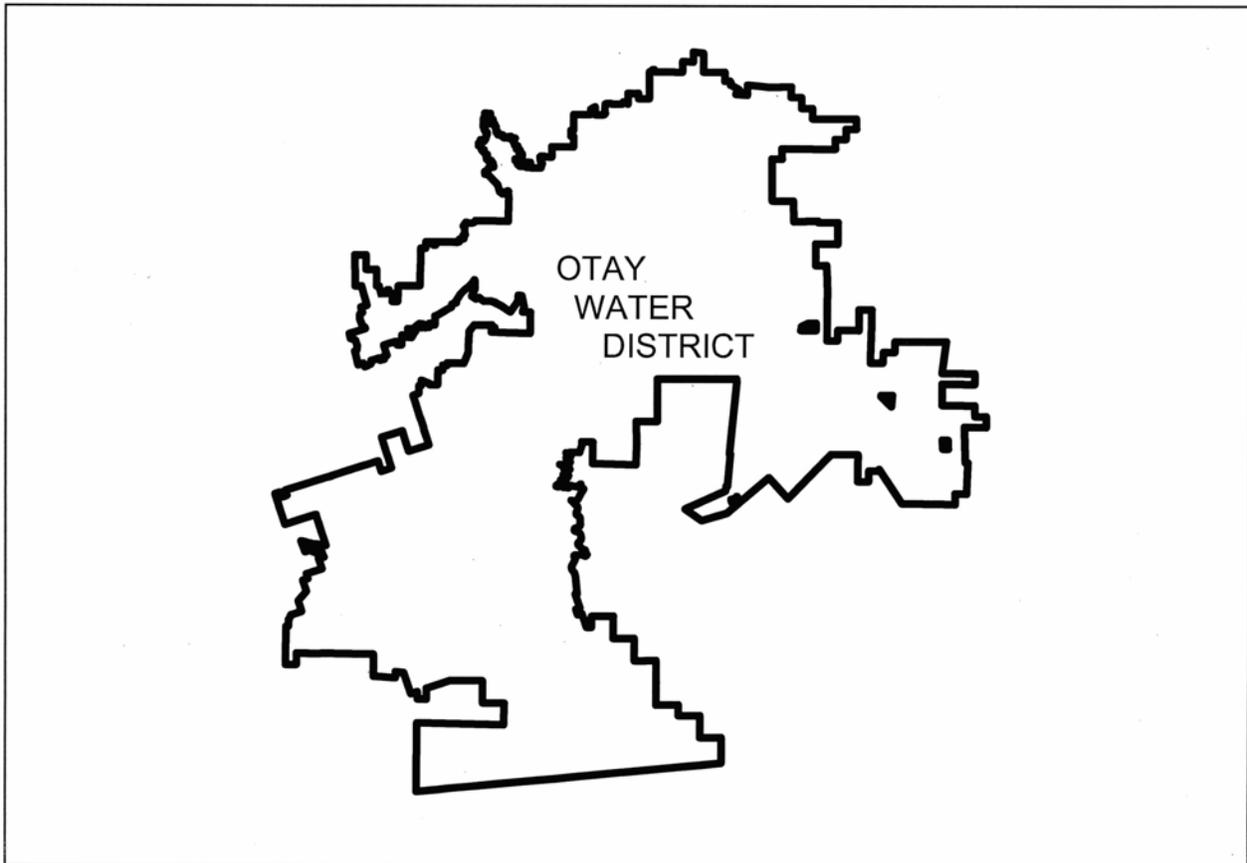
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
2012	2013	2014	2015	2016	2017	
						\$0

**PROJECT LOCATION:**

**Thomas Bros. Map:**

**OWD Map Book:**



**Submitted By:** Geoff Stevens

**Date:** 02/28/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2491**

**PROJECT TITLE: 850-3 Reservoir Exterior Coating**

<b>PROJECT MANAGER:</b> Cameron	<b>DIRECTOR DIVISION:</b> 5
<b>ORIGINAL APPROVED DATE:</b> 5/21/2009	<b>I.D. LOCATION:</b> 20
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 2
	<b>BUDGET AMOUNT:</b> \$300,000

**DESCRIPTION OF PROJECT:**

This project provides funding for the exterior coating of the 850-3 Reservoir. In addition, an assessment of the facility will be accomplished to assure compliance to all applicable codes and OSHA standards.

**JUSTIFICATION OF PROJECT:**

The 850-3 Reservoir exterior coating is in poor condition and is in need of replacement.

**COMMENTS:**

**FUND DETAIL:**

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2012	2013	2014	2015	2016	2017	TOTAL
\$20	\$200	\$80	\$0	\$0	\$0	\$0	\$300

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2491**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>	07/09	08/09	\$4
<b>DESIGN:</b>	09/09	11/11	\$15
<b>CONSTRUCTION:</b>	12/11	06/13	\$281

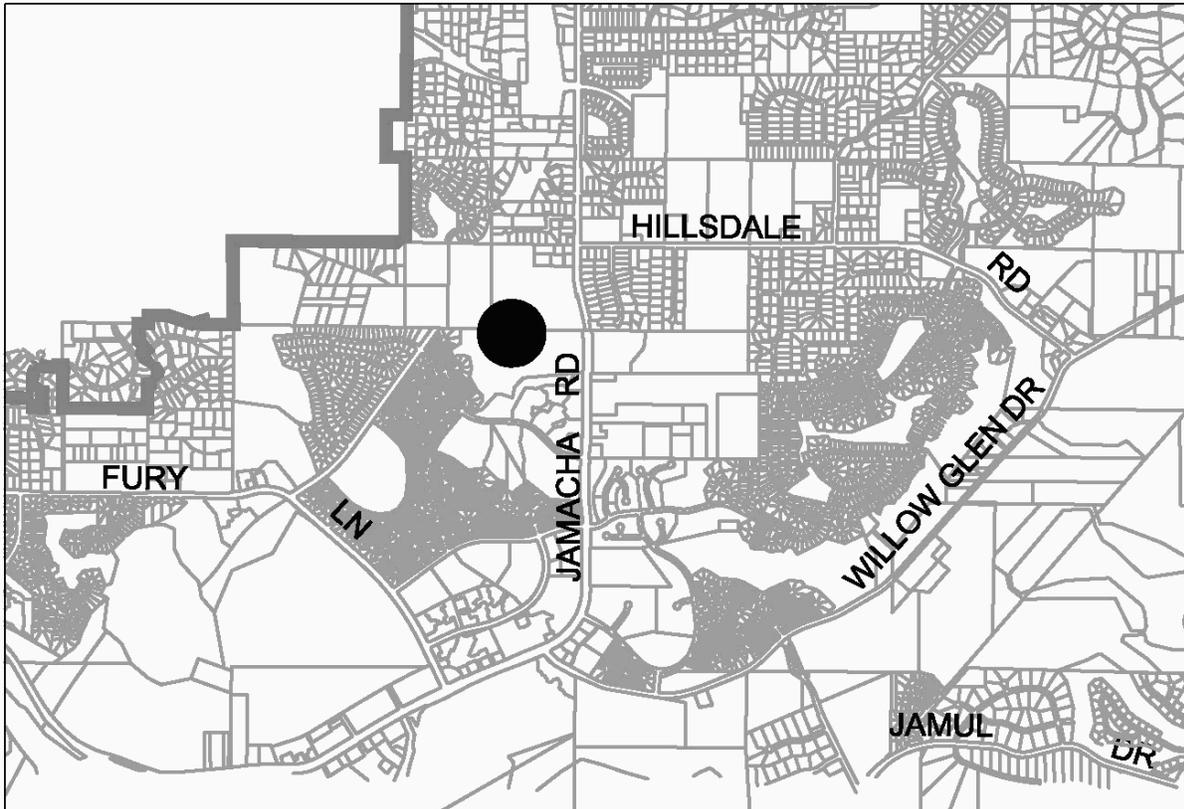
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
2012	2013	2014	2015	2016	2017	\$0

**PROJECT LOCATION:**

**Thomas Bros. Map: 1272**

**OWD Map Book: 355**



**Submitted By:** Kevin Cameron

**Date:** 02/08/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2493**

**PROJECT TITLE: 624-2 Reservoir Interior Coating**

<b>PROJECT MANAGER:</b> Cameron	<b>DIRECTOR DIVISION:</b> 1
<b>ORIGINAL APPROVED DATE:</b> 5/21/2009	<b>I.D. LOCATION:</b> 22
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 3
	<b>BUDGET AMOUNT:</b> \$950,000

**DESCRIPTION OF PROJECT:**

This project provides funding for the interior coating of the 624-2 Reservoir. In addition, an assessment of the facility will be accomplished to assure compliance to all applicable codes and OSHA standards.

**JUSTIFICATION OF PROJECT:**

Based upon the most recent reservoir assessment report dated August 8, 2008 the 624-2 Reservoir interior coating is in relatively poor condition and is in need of replacement.

**COMMENTS:**

**FUND DETAIL:**

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2012	2013	2014	2015	2016	2017	TOTAL
\$30	\$30	\$70	\$700	\$120	\$0	\$0	\$950

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2493**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>	07/09	08/10	\$4
<b>DESIGN:</b>	09/10	07/14	\$15
<b>CONSTRUCTION:</b>	07/14	06/15	\$931

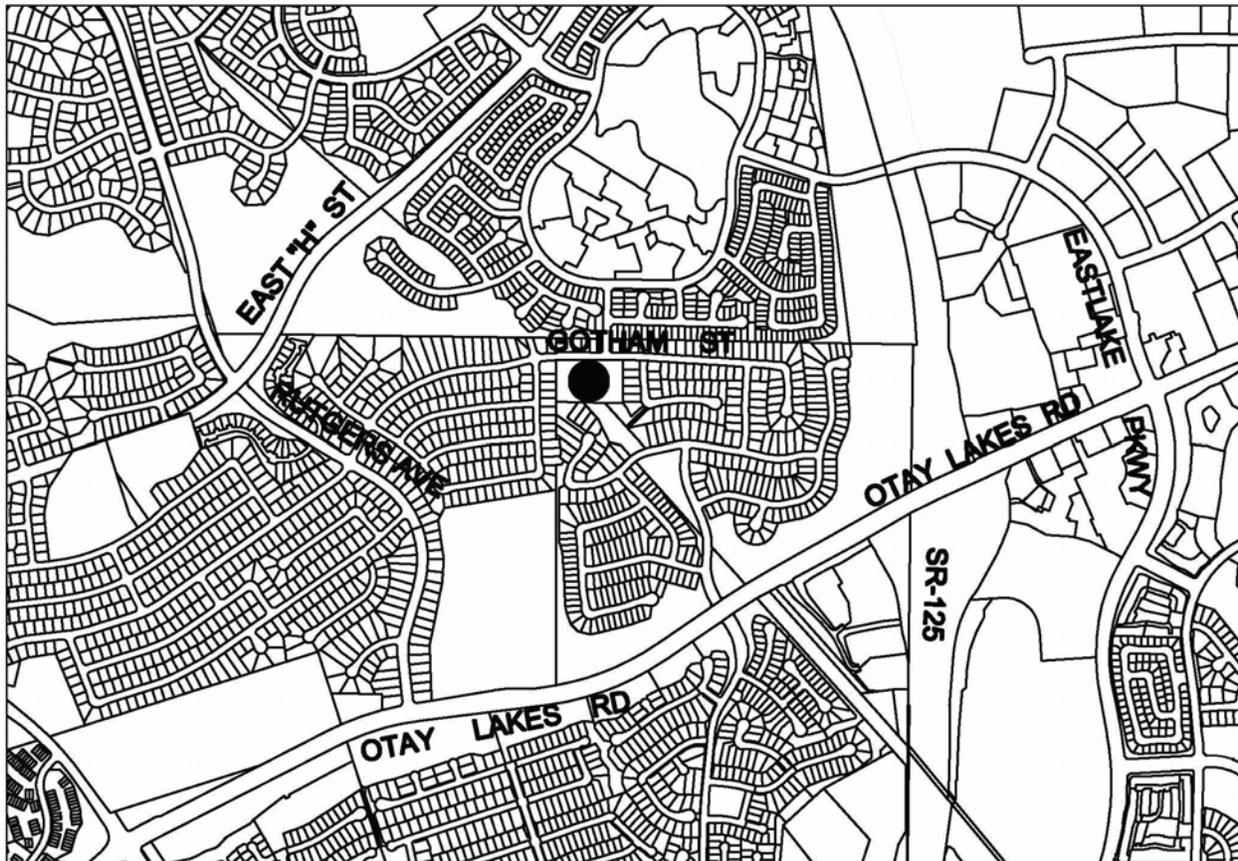
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
2012	2013	2014	2015	2016	2017	\$0

**PROJECT LOCATION:**

Thomas Bros. Map: 1311

OWD Map Book: 130



**Submitted By:** Kevin Cameron

**Date:** 02/08/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2494**

**PROJECT TITLE:** Multiple Species Conservation Plan

<b>PROJECT MANAGER:</b> Coburn-Boyd	<b>DIRECTOR DIVISION:</b>
<b>ORIGINAL APPROVED DATE:</b> 5/21/2009	<b>I.D. LOCATION:</b>
<b>RELATED CIP PROJECTS:</b> P2495	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$930,000

**DESCRIPTION OF PROJECT:**

This project is to provide funding to develop a plan to streamline the environmental permitting processes for the capital improvement program projects to be constructed.

**JUSTIFICATION OF PROJECT:**

The project will save time and money when compared to environmental permitting each capital improvement program project individually.

**COMMENTS:**

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
General Fund	100%			100%
<b>TOTAL:</b>	100%			100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
\$820	\$90	\$20	\$0	\$0	\$0	\$0	\$930

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2494**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>	07/09	06/13	\$930
<b>DESIGN:</b>			
<b>CONSTRUCTION:</b>			

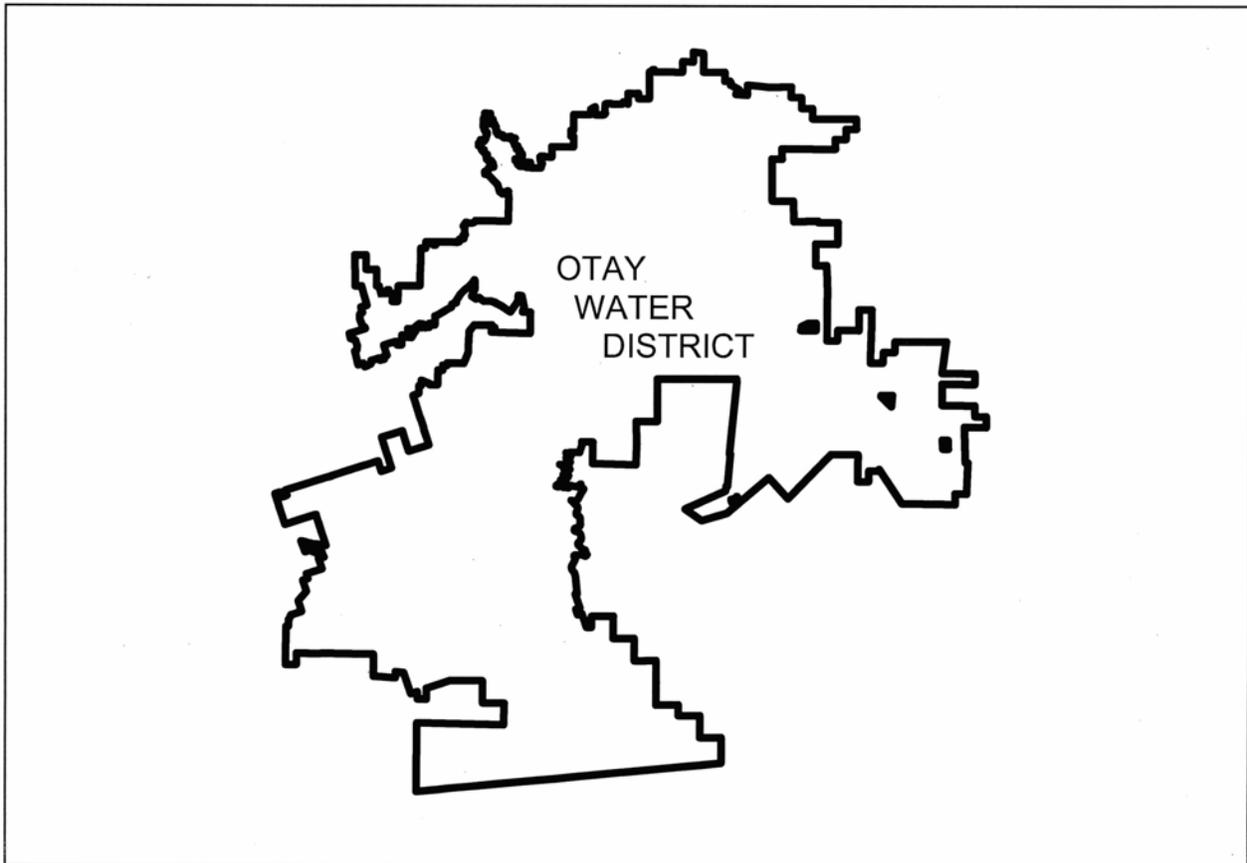
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
2012	2013	2014	2015	2016	2017	
						\$0

**PROJECT LOCATION:**

**Thomas Bros. Map:**

**OWD Map Book:**



**Submitted By:** Lisa Coburn-Boyd

**Date:** 02/22/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2495**

**PROJECT TITLE: San Miguel Habitat Management/Mitigation Area**

<b>PROJECT MANAGER:</b> Coburn-Boyd	<b>DIRECTOR DIVISION:</b> 4
<b>ORIGINAL APPROVED DATE:</b> 5/21/2009	<b>I.D. LOCATION:</b> 22
<b>RELATED CIP PROJECTS:</b> P2494	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$1,975,000

**DESCRIPTION OF PROJECT:**

This project is to provide funding for the establishment and management of mitigation areas on capital improvement program projects sites and at the San Miguel Habitat Management Area to offset environmental impacts due to construction activities.

**JUSTIFICATION OF PROJECT:**

The resource agencies (USFWS, CDFG, etc.) require areas of land to be set aside, established, managed, and maintained in order to mitigate for impacts due to contraction activities.

**COMMENTS:**

**FUND DETAIL:**

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund	100%			100%
<b>TOTAL:</b>	100%			100%

**EXPENDITURE SCHEDULE (X \$1,000):**

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2012	2013	2014	2015	2016	2017	TOTAL
\$475	\$250	\$250	\$250	\$250	\$250	\$250	\$1,975

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2495**

**PROJECT SCHEDULE:**

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/09	06/17	\$1,975
DESIGN:			
CONSTRUCTION:			

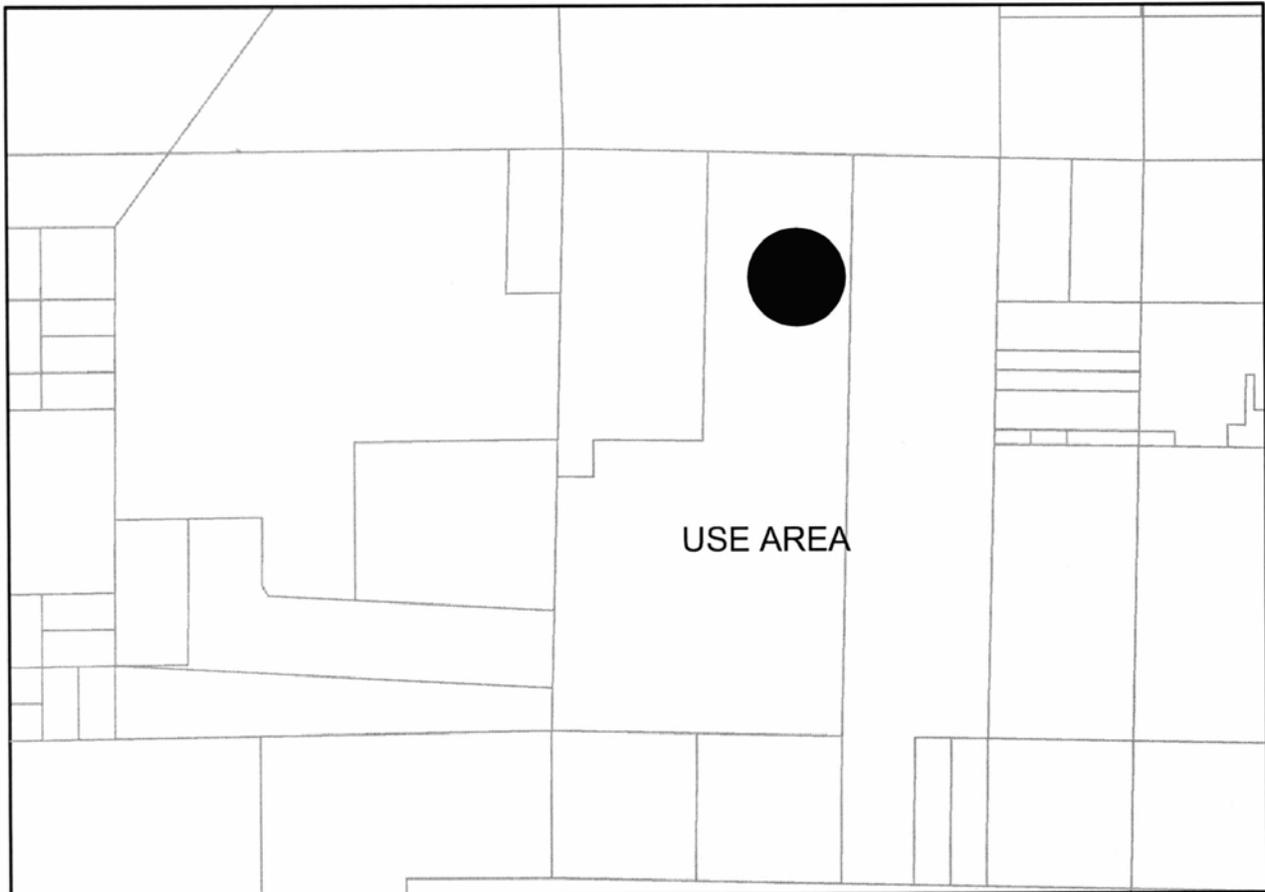
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

FY	FY	FY	FY	FY	FY	TOTAL
2012	2013	2014	2015	2016	2017	
						\$0

**PROJECT LOCATION:**

Thomas Bros. Map: 1311

OWD Map Book: 159



**Submitted By:** Lisa Coburn-Boyd

**Date:** 02/22/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2496**

**PROJECT TITLE:** Otay Lakes Road Utility Relocations

<b>PROJECT MANAGER:</b>	Kay	<b>DIRECTOR DIVISION:</b>	4
<b>ORIGINAL APPROVED DATE:</b>	5/21/2009	<b>I.D. LOCATION:</b>	5
<b>RELATED CIP PROJECTS:</b>		<b>PRIORITY:</b>	1
		<b>BUDGET AMOUNT:</b>	\$250,000

**DESCRIPTION OF PROJECT:**

This project provides funding for all utility relocations required to accommodate the City of Chula Vista road improvement project located along Otay Lakes and Telegraph Canyon Roads.

**JUSTIFICATION OF PROJECT:**

The Otay WD will be required to relocate all conflicting systems at its own expense for the City of Chula Vista has prior and superior rights.

**COMMENTS:**

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
\$150	\$25	\$75	\$0	\$0	\$0	\$0	\$250

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2496**

**PROJECT SCHEDULE:**

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/09	08/09	\$4
DESIGN:	09/09	12/09	\$11
CONSTRUCTION:	01/10	06/13	\$235

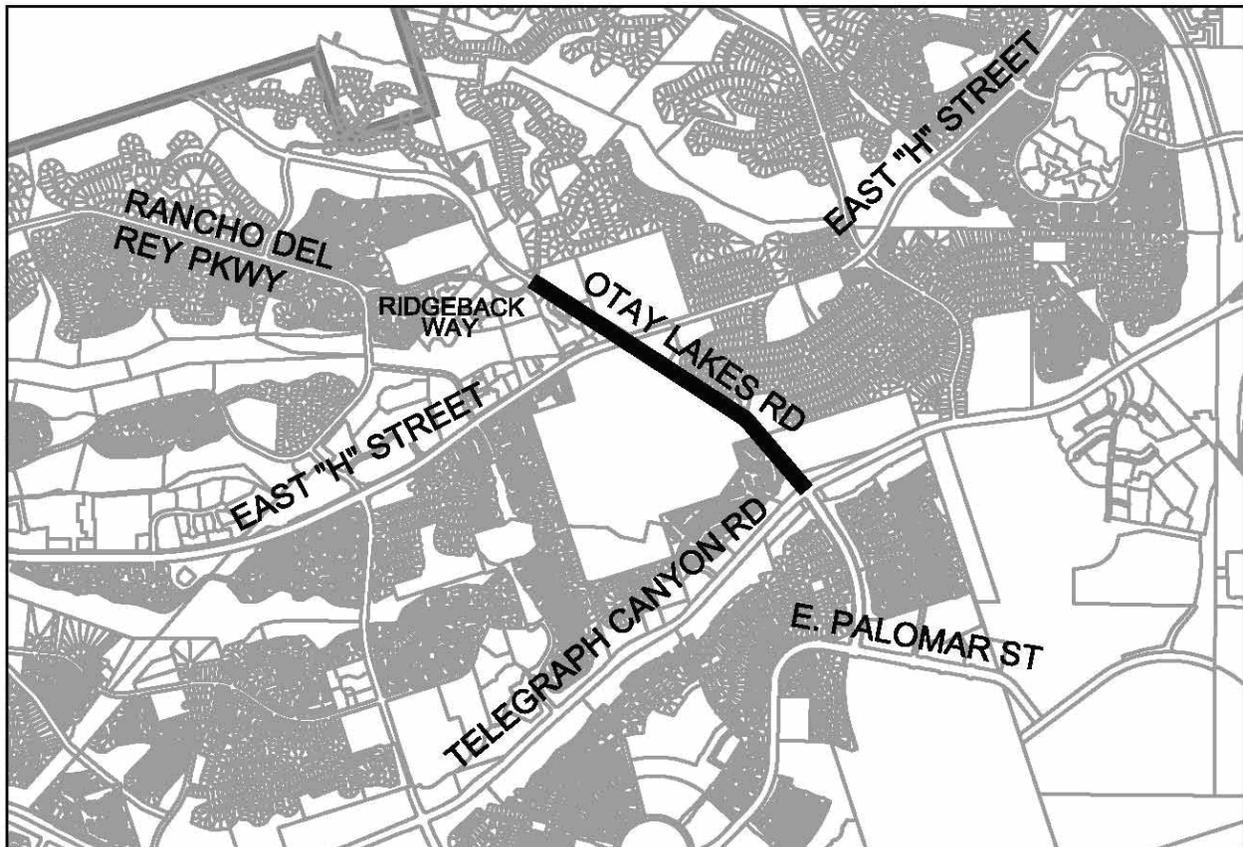
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

FY	FY	FY	FY	FY	FY	TOTAL
2012	2013	2014	2015	2016	2017	
						\$0

**PROJECT LOCATION:**

Thomas Bros. Map: 1311

OWD Map Book: 113



Submitted By: Daniel Kay

Date: 02/02/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2504**

**PROJECT TITLE:** Regulatory Site Access Road and Pipeline Relocation

<b>PROJECT MANAGER:</b> Cameron	<b>DIRECTOR DIVISION:</b> 3
<b>ORIGINAL APPROVED DATE:</b> 5/17/2010	<b>I.D. LOCATION:</b> 20
<b>RELATED CIP PROJECTS:</b> P2466	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$600,000

**DESCRIPTION OF PROJECT:**

Replace 1,200 feet of existing 16-inch 850 Pressure Zone pipeline just south of the Regulatory Reservoir Site and improve the existing access road from the proposed sheriff substation site to the Regulatory Reservoir Site.

**JUSTIFICATION OF PROJECT:**

Construction of the proposed sheriff substation project will conflict with the existing 16-inch pipeline resulting in its need to be relocated. Improving the existing access road provide for increased safety and all weather permanent access to the Regulatory Reservoir Site.

**COMMENTS:**

General Fund at 50% replacement and ID 20 at 50% betterment.

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
General Fund		50%	50%	100%
<b>TOTAL:</b>		50%	50%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
\$2	\$100	\$300	\$198	\$0	\$0	\$0	\$600

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2504**

**PROJECT SCHEDULE:**

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/10	09/10	\$5
DESIGN:	10/10	12/10	\$95
CONSTRUCTION:	01/11	09/13	\$500

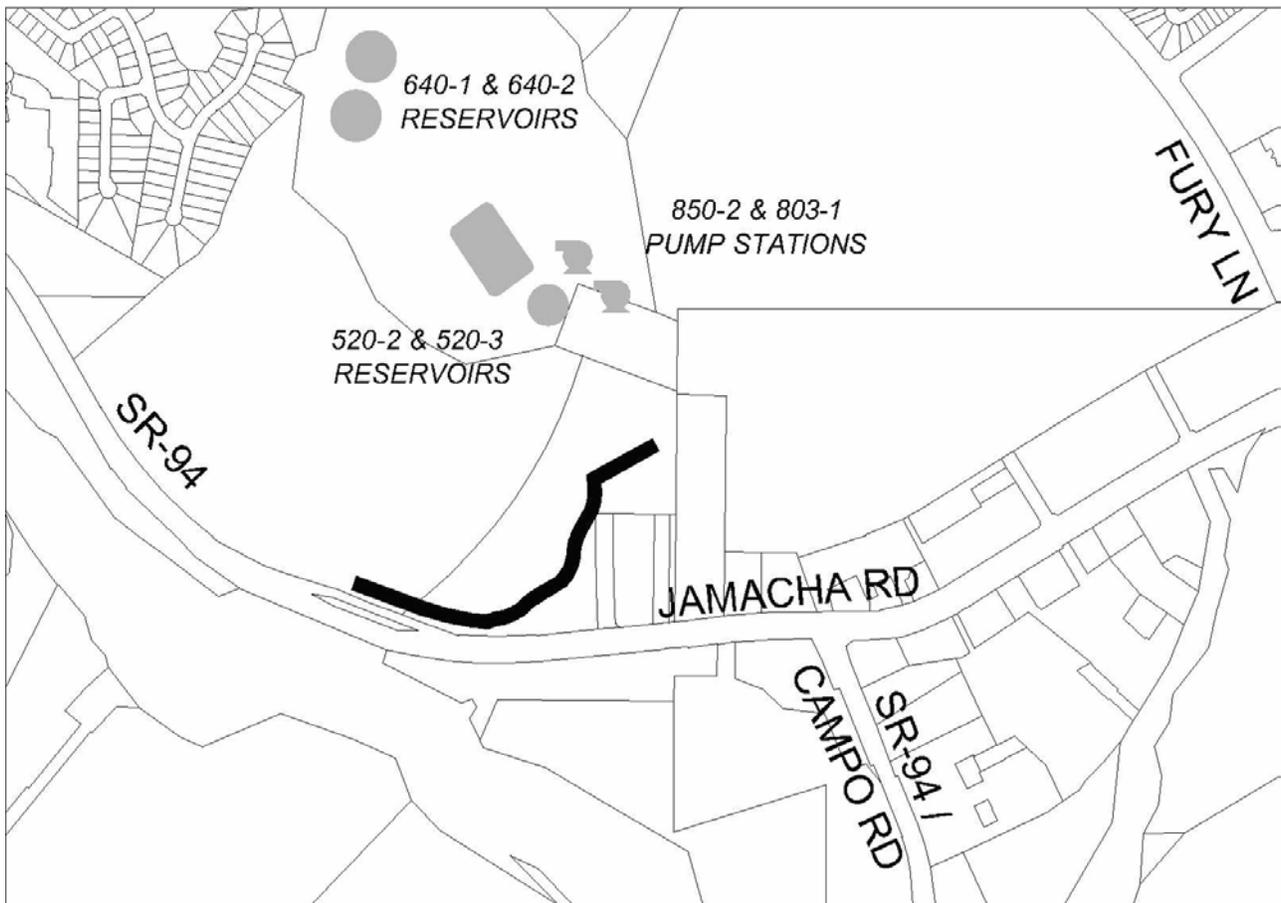
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

FY	FY	FY	FY	FY	FY	TOTAL
2012	2013	2014	2015	2016	2017	
						\$0

**PROJECT LOCATION:**

Thomas Bros. Map: 1271

OWD Map Book: 331



Submitted By: Kevin Cameron

Date: 02/08/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2505**

**PROJECT TITLE: 657-1 Reservoir Interior/Exterior Coating**

<b>PROJECT MANAGER:</b> Cameron	<b>DIRECTOR DIVISION:</b> 3
<b>ORIGINAL APPROVED DATE:</b> 5/17/2010	<b>I.D. LOCATION:</b> 1
<b>RELATED CIP PROJECTS:</b> P2506	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$375,000

**DESCRIPTION OF PROJECT:**

This project provides funding for the interior and exterior coating of the 657-1 Reservoir. In addition, an assessment of the facility will be accomplished to assure compliance to all applicable codes and OSHA standards.

**JUSTIFICATION OF PROJECT:**

Based upon the most recent reservoir assessment report dated June 30, 2009 the 657-1 Reservoir interior and exterior coatings are in relatively poor condition and are in need of replacement.

**COMMENTS:**

**FUND DETAIL:**

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2012	2013	2014	2015	2016	2017	TOTAL
\$350	\$25	\$0	\$0	\$0	\$0	\$0	\$375

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2505**

**PROJECT SCHEDULE:**

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/10	09/10	\$5
DESIGN:	10/10	12/10	\$30
CONSTRUCTION:	01/11	06/12	\$340

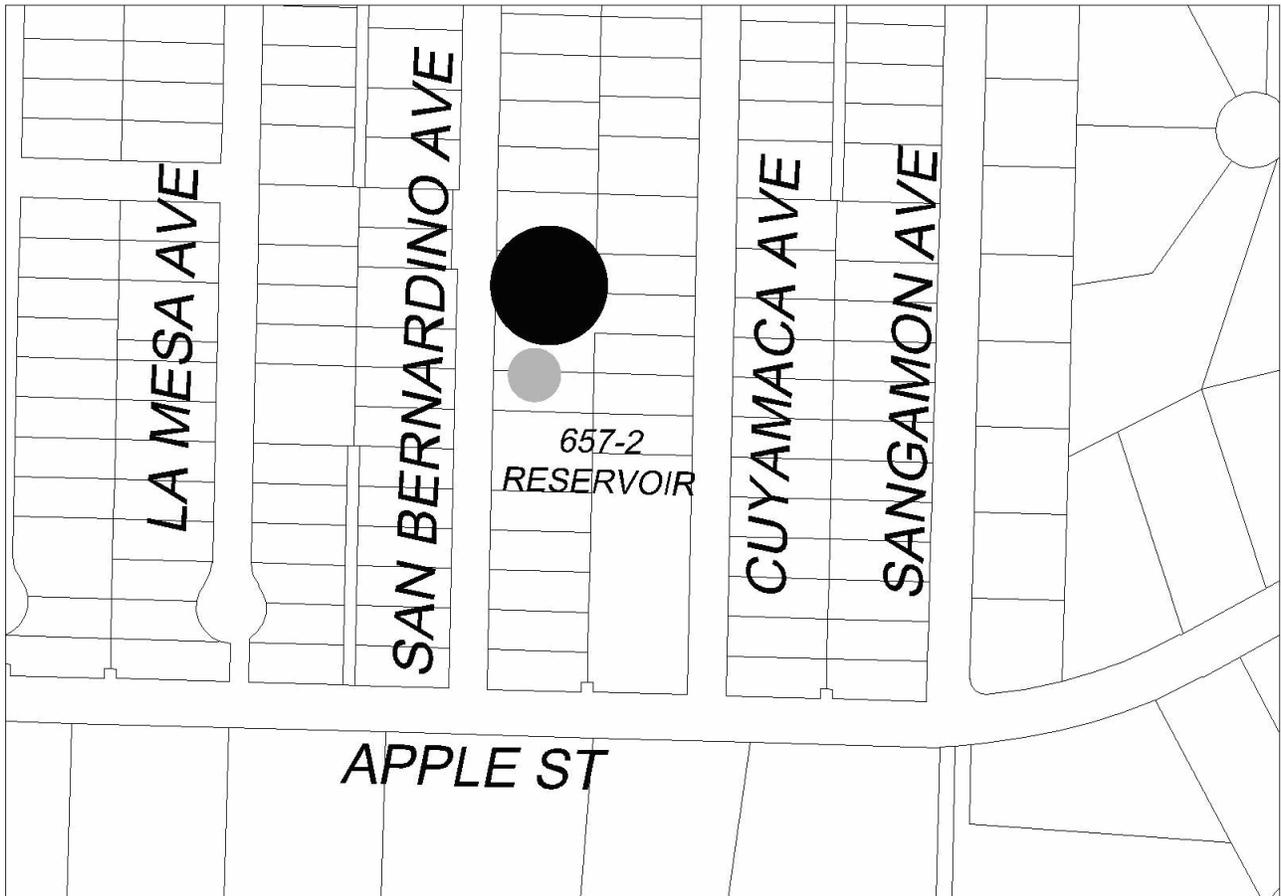
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

FY	FY	FY	FY	FY	FY	TOTAL
2012	2013	2014	2015	2016	2017	
						\$0

**PROJECT LOCATION:**

Thomas Bros. Map: 1291

OWD Map Book: 303



Submitted By: Kevin Cameron

Date: 02/08/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2506**

**PROJECT TITLE: 657-2 Reservoir Interior/Exterior Coating**

<b>PROJECT MANAGER:</b> Cameron	<b>DIRECTOR DIVISION:</b> 3
<b>ORIGINAL APPROVED DATE:</b> 5/17/2010	<b>I.D. LOCATION:</b> 1
<b>RELATED CIP PROJECTS:</b> P2505	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$375,000

**DESCRIPTION OF PROJECT:**

This project provides funding for the interior and exterior coating of the 657-2 Reservoir. In addition, an assessment of the facility will be accomplished to assure compliance to all applicable codes and OSHA standards.

**JUSTIFICATION OF PROJECT:**

Based upon the most recent reservoir assessment report dated June 30, 2009 the 657-2 Reservoir interior and exterior coatings are in relatively poor condition and are in need of replacement.

**COMMENTS:**

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
\$350	\$25	\$0	\$0	\$0	\$0	\$0	\$375

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2506**

**PROJECT SCHEDULE:**

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/10	09/10	\$5
DESIGN:	10/10	12/10	\$30
CONSTRUCTION:	01/11	06/12	\$340

**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

FY	FY	FY	FY	FY	FY	TOTAL
2012	2013	2014	2015	2016	2017	\$0

**PROJECT LOCATION:**

Thomas Bros. Map: 1291

OWD Map Book: 303



Submitted By: Kevin Cameron

Date: 02/08/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2507**

**PROJECT TITLE:** East Palomar Street Utility Relocation

<b>PROJECT MANAGER:</b> Cameron	<b>DIRECTOR DIVISION:</b> 2
<b>ORIGINAL APPROVED DATE:</b> 5/17/2010	<b>I.D. LOCATION:</b> 10
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 2
	<b>BUDGET AMOUNT:</b> \$800,000

**DESCRIPTION OF PROJECT:**

This project is for the necessary utility relocations due to construction improvements to I-805 near East Palomar Street. Both the existing potable and recycled water systems will be impacted.

**JUSTIFICATION OF PROJECT:**

Caltrans will be making improvements to I-805 that will result in conflicts with existing pipelines.

**COMMENTS:**

**FUND DETAIL:**

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2012	2013	2014	2015	2016	2017	TOTAL
\$15	\$350	\$285	\$150	\$0	\$0	\$0	\$800

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2507**

**PROJECT SCHEDULE:**

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/10	12/10	\$5
DESIGN:	01/11	12/11	\$30
CONSTRUCTION:	01/12	06/14	\$765

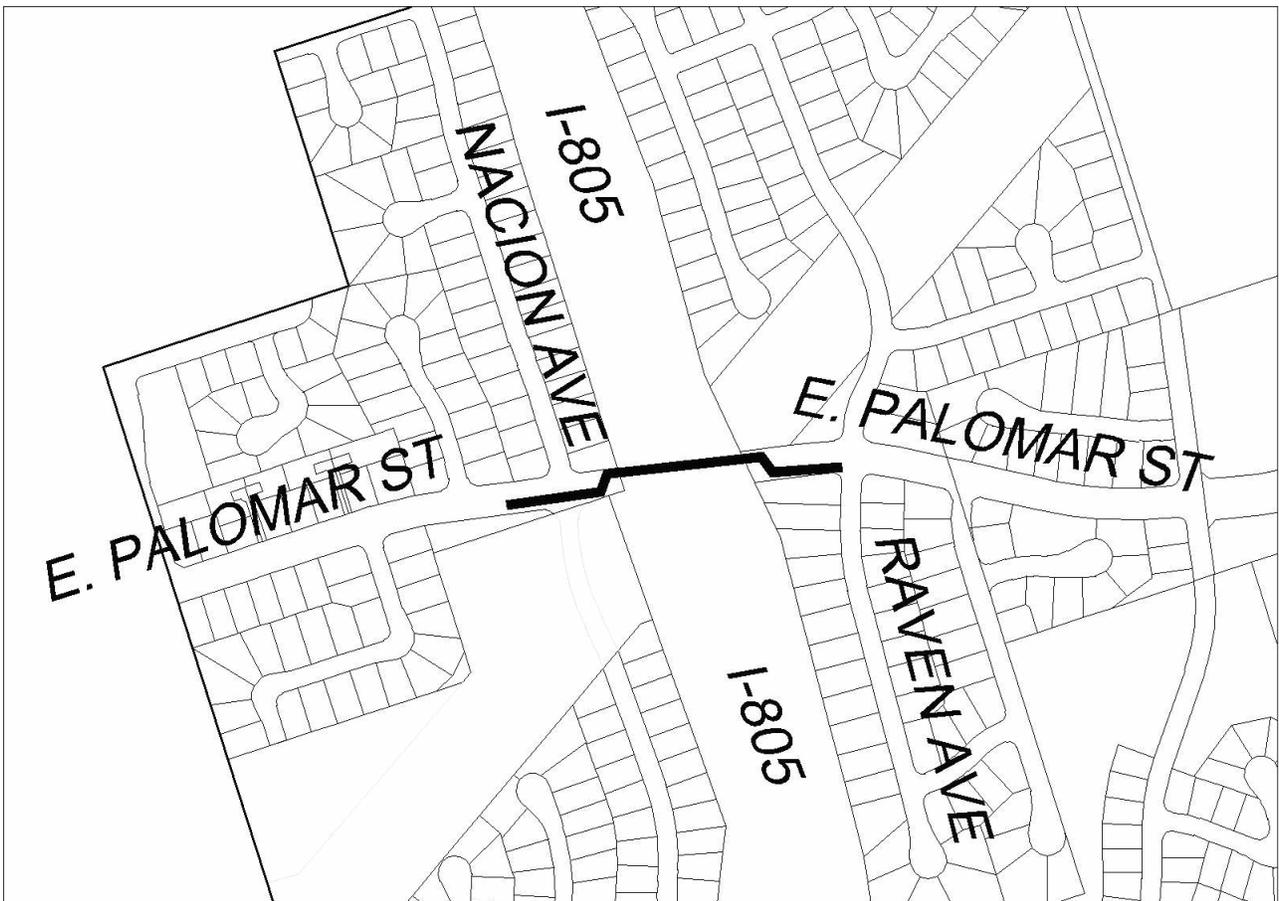
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

FY	FY	FY	FY	FY	FY	TOTAL
2012	2013	2014	2015	2016	2017	
						\$0

**PROJECT LOCATION:**

Thomas Bros. Map: 1330

OWD Map Book: 80



Submitted By: Kevin Cameron

Date: 02/08/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2508**

**PROJECT TITLE:** Pipeline Cathodic Protection Replacement Program

<b>PROJECT MANAGER:</b> Kay	<b>DIRECTOR DIVISION:</b>
<b>ORIGINAL APPROVED DATE:</b> 5/17/2010	<b>I.D. LOCATION:</b>
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$150,000

**DESCRIPTION OF PROJECT:**

This project is for the replacement and repairs of existing cathodic protection systems on various pipelines.

**JUSTIFICATION OF PROJECT:**

The ongoing cathodic protection program efforts have identified various pipelines for anode replacement, cathodic test station repair, installation of isolation kits, and repair of existing anode beds.

**COMMENTS:**

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
\$20	\$50	\$80	\$0	\$0	\$0	\$0	\$150

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2508**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>	07/10	09/10	\$5
<b>DESIGN:</b>	10/10	12/10	\$30
<b>CONSTRUCTION:</b>	01/11	06/13	\$115

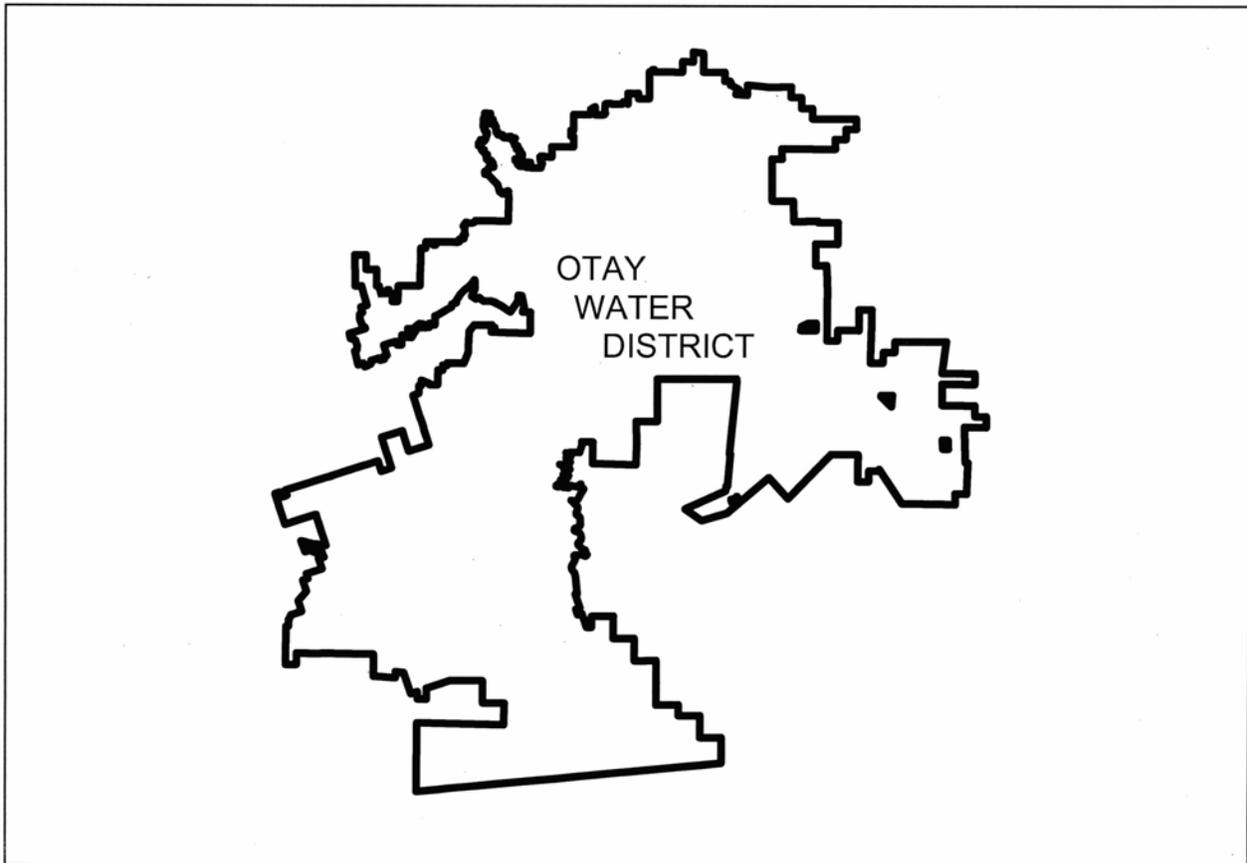
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
2012	2013	2014	2015	2016	2017	\$0

**PROJECT LOCATION:**

**Thomas Bros. Map:**

**OWD Map Book:**



**Submitted By:** Daniel Kay

**Date:** 02/02/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2513**

**PROJECT TITLE:** East Orange Avenue Bridge Crossing

<b>PROJECT MANAGER:</b> Cameron	<b>DIRECTOR DIVISION:</b> 2
<b>ORIGINAL APPROVED DATE:</b>	<b>I.D. LOCATION:</b> 10
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 2
	<b>BUDGET AMOUNT:</b> \$750,000

**DESCRIPTION OF PROJECT:**

Construction of approximately 1,900 feet of 12-inch pipeline across I 805. This project will provide a needed and redundant pipeline to the area west of I 805.

**JUSTIFICATION OF PROJECT:**

The service area west of I 805 needs to have fire flow capacity increased as well as increase system reliability.

**COMMENTS:**

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
	\$5	\$40	\$300	\$400	\$5	\$0	\$750

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2513**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>	07/11	06/13	\$25
<b>DESIGN:</b>	07/13	12/13	\$150
<b>CONSTRUCTION:</b>	01/14	06/16	\$575

**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
						\$0

**PROJECT LOCATION:**

**Thomas Bros. Map: 1330**

**OWD Map Book: 65**



**Submitted By:** Kevin Cameron

**Date:** 02/08/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2515**

**PROJECT TITLE: 870-1 Reservoir Paving**

<b>PROJECT MANAGER:</b> Cameron	<b>DIRECTOR DIVISION:</b> 2
<b>ORIGINAL APPROVED DATE:</b>	<b>I.D. LOCATION:</b> 7
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 2
	<b>BUDGET AMOUNT:</b> \$300,000

**DESCRIPTION OF PROJECT:**

This project is for repaving the existing perimeter road around the 870-1 Reservoir and add roadway paving to the reservoir.

**JUSTIFICATION OF PROJECT:**

The existing perimeter reservoir roadway is at the end of its useful life and access to the reservoir is limited in the winter months and unsafe.

**COMMENTS:**

**FUND DETAIL:**

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2012	2013	2014	2015	2016	2017	TOTAL
	\$25	\$275	\$0	\$0	\$0	\$0	\$300

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2515**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>	07/11	12/11	\$10
<b>DESIGN:</b>	01/12	12/12	\$50
<b>CONSTRUCTION:</b>	01/13	06/13	\$240

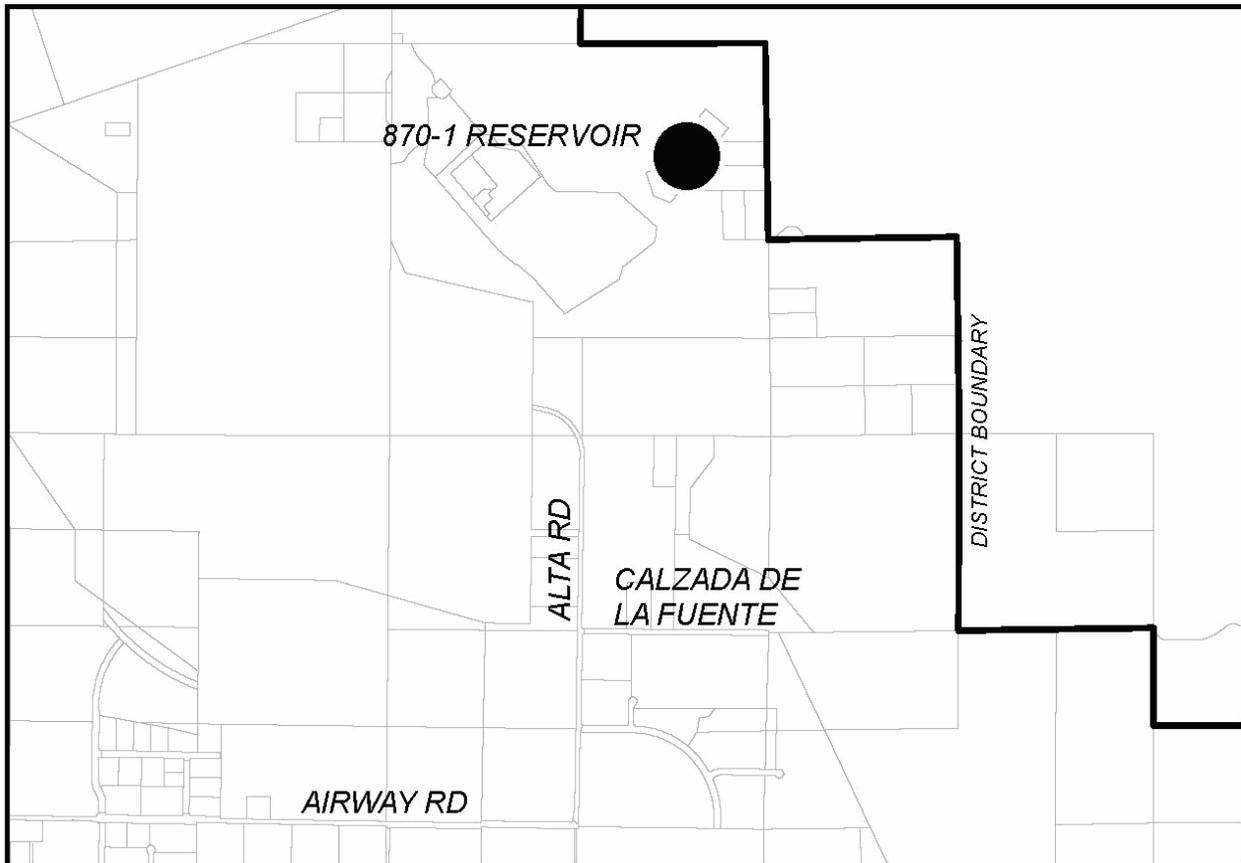
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
						\$0

**PROJECT LOCATION:**

**Thomas Bros. Map: 1332**

**OWD Map Book: 55**



**Submitted By:** Kevin Cameron

**Date:** 02/08/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2520**

**PROJECT TITLE:** Motorola Mobile Radio Upgrade

<b>PROJECT MANAGER:</b> Anderson	<b>DIRECTOR DIVISION:</b>
<b>ORIGINAL APPROVED DATE:</b>	<b>I.D. LOCATION:</b>
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$100,000

**DESCRIPTION OF PROJECT:**

This project is for Motorola radio upgrades which involves three components, radio repeater upgrade, portable and base unit upgrades, and vehicle mobile radio upgrades.

**JUSTIFICATION OF PROJECT:**

The existing Motorola radio equipment is an essential part of the District's Emergency Response Program. A recent assessment of the radio equipment has determined that the equipment has reached in the end of useful life and in need of upgrades.

**COMMENTS:**

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
	\$50	\$50	\$0	\$0	\$0	\$0	\$100

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2520**

**PROJECT SCHEDULE:**

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:			
DESIGN:			
CONSTRUCTION:	08/11	10/12	\$100

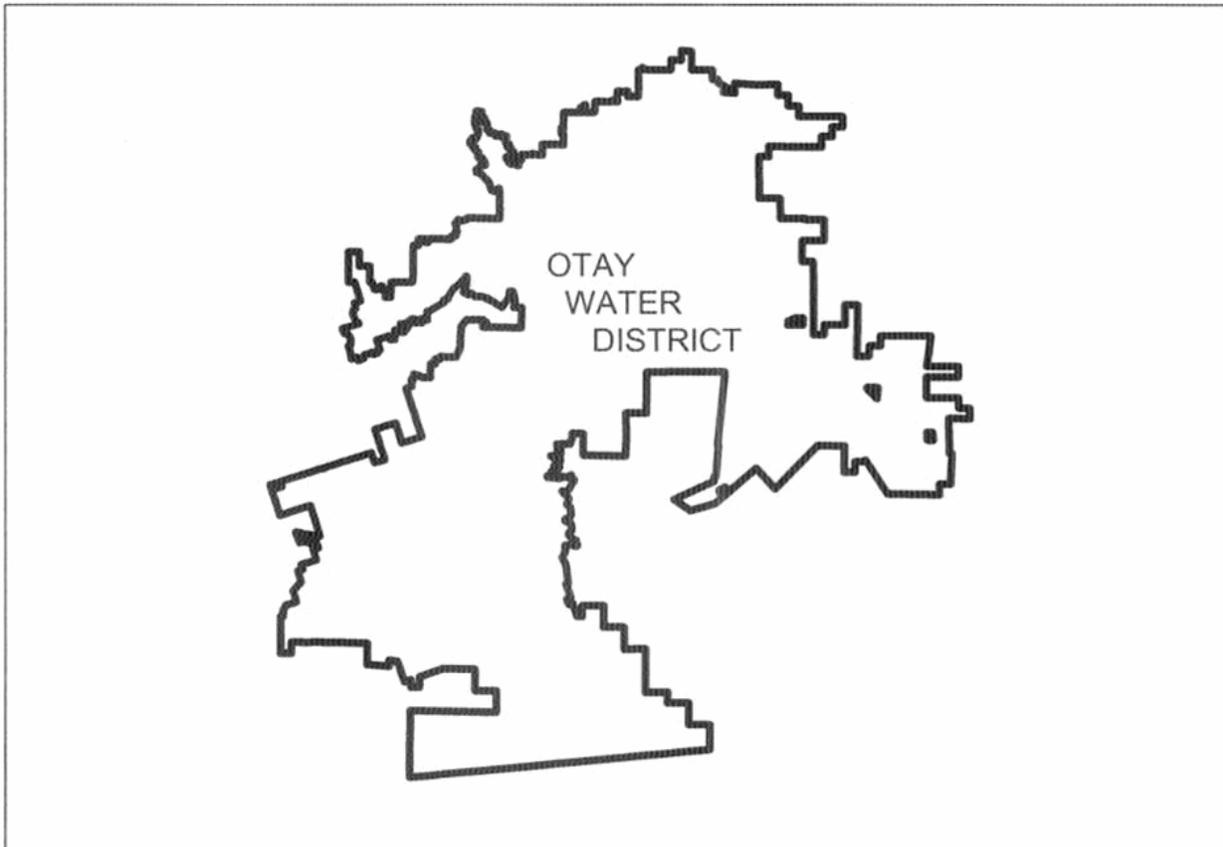
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

FY	FY	FY	FY	FY	FY	
2012	2013	2014	2015	2016	2017	TOTAL
						\$0

**PROJECT LOCATION:**

**Thomas Bros. Map:**

**OWD Map Book:**



**Submitted By:** Frank Anderson

**Date:** 02/18/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2521**

**PROJECT TITLE:** Large Meter Vault Upgrade Program

<b>PROJECT MANAGER:</b> Keeran	<b>DIRECTOR DIVISION:</b>
<b>ORIGINAL APPROVED DATE:</b>	<b>I.D. LOCATION:</b>
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$600,000

**DESCRIPTION OF PROJECT:**

This project is for the retrofit and upgrade of approximately 200 large water meter and vaults to above ground standards.

**JUSTIFICATION OF PROJECT:**

The existing large meters are installed in below grade vaults which create increased costs and safety issues due to confined space requirements. The existing below grade systems are subject to flooding and create corrosive environments.

**COMMENTS:**

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
	\$200	\$200	\$200	\$0	\$0	\$0	\$600

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2521**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>			
<b>DESIGN:</b>			
<b>CONSTRUCTION:</b>	08/11	12/13	\$600

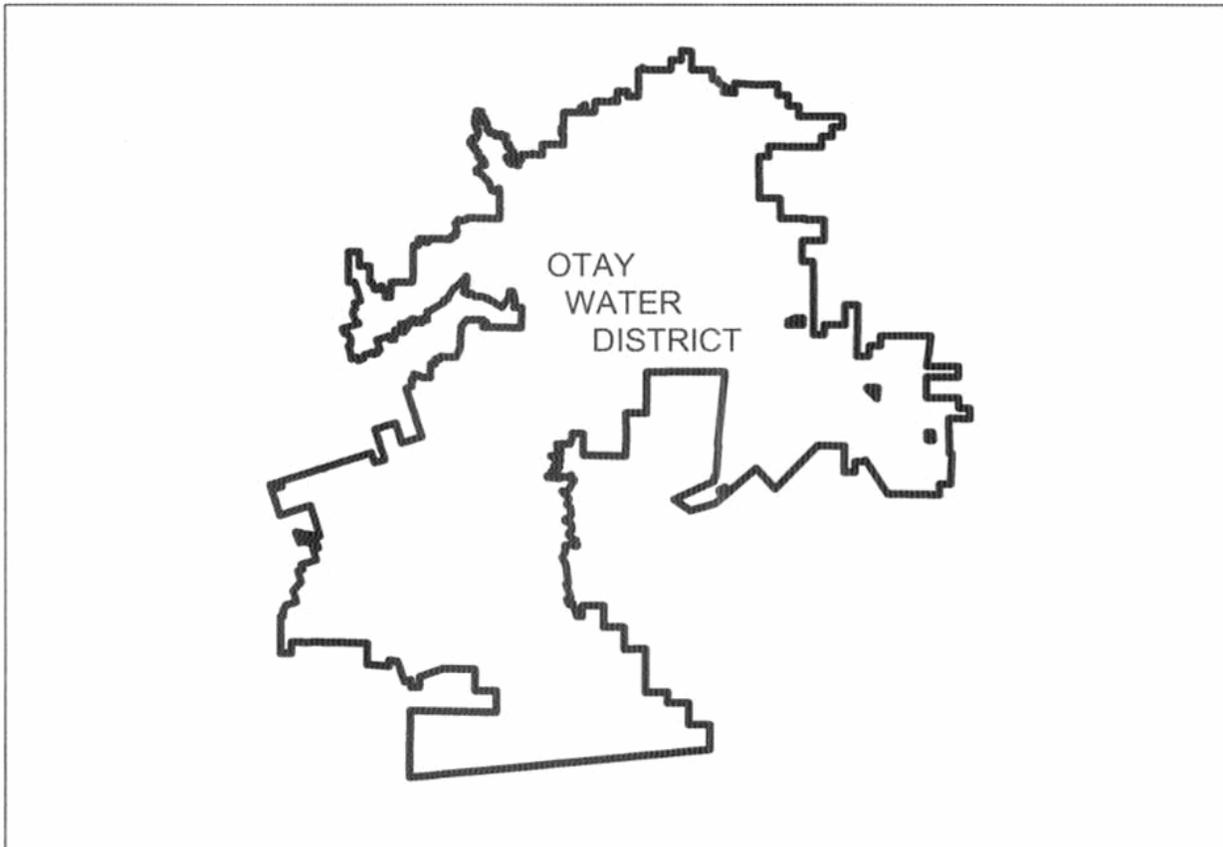
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
						\$0

**PROJECT LOCATION:**

**Thomas Bros. Map:**

**OWD Map Book:**



**Submitted By:** Tim Keeran

**Date:** 02/18/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: R2096**

**PROJECT TITLE: RWCWRF - Upgrades and Modifications**

<b>PROJECT MANAGER:</b> Coburn-Boyd	<b>DIRECTOR DIVISION:</b> 3
<b>ORIGINAL APPROVED DATE:</b> 5/21/2009	<b>I.D. LOCATION:</b> 20
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$4,700,000

**DESCRIPTION OF PROJECT:**

This project includes the rehabilitation of the RWCWRF blower system, air pipeline replacement, and filter storage reservoir cover replacement along with the identification and implementation of modifications for optimization of the air system and other treatment systems to control total nitrogen.

**JUSTIFICATION OF PROJECT:**

The existing blowers are old and not efficient and the existing air piping system is leaking due to corrosion. The plant effluent is exceeding its discharge limit for total nitrogen thus the treatment process must be modified and optimized so that all discharge requirements can be met. The existing flexible membrane cover material is damaged and is in of replacement. Recycled water quality is currently being comprised.

**COMMENTS:**

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
\$950	\$2,000	\$1,750	\$0	\$0	\$0	\$0	\$4,700

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: R2096**

**PROJECT SCHEDULE:**

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/09	09/09	\$40
DESIGN:	10/09	04/11	\$110
CONSTRUCTION:	05/11	06/13	\$4,550

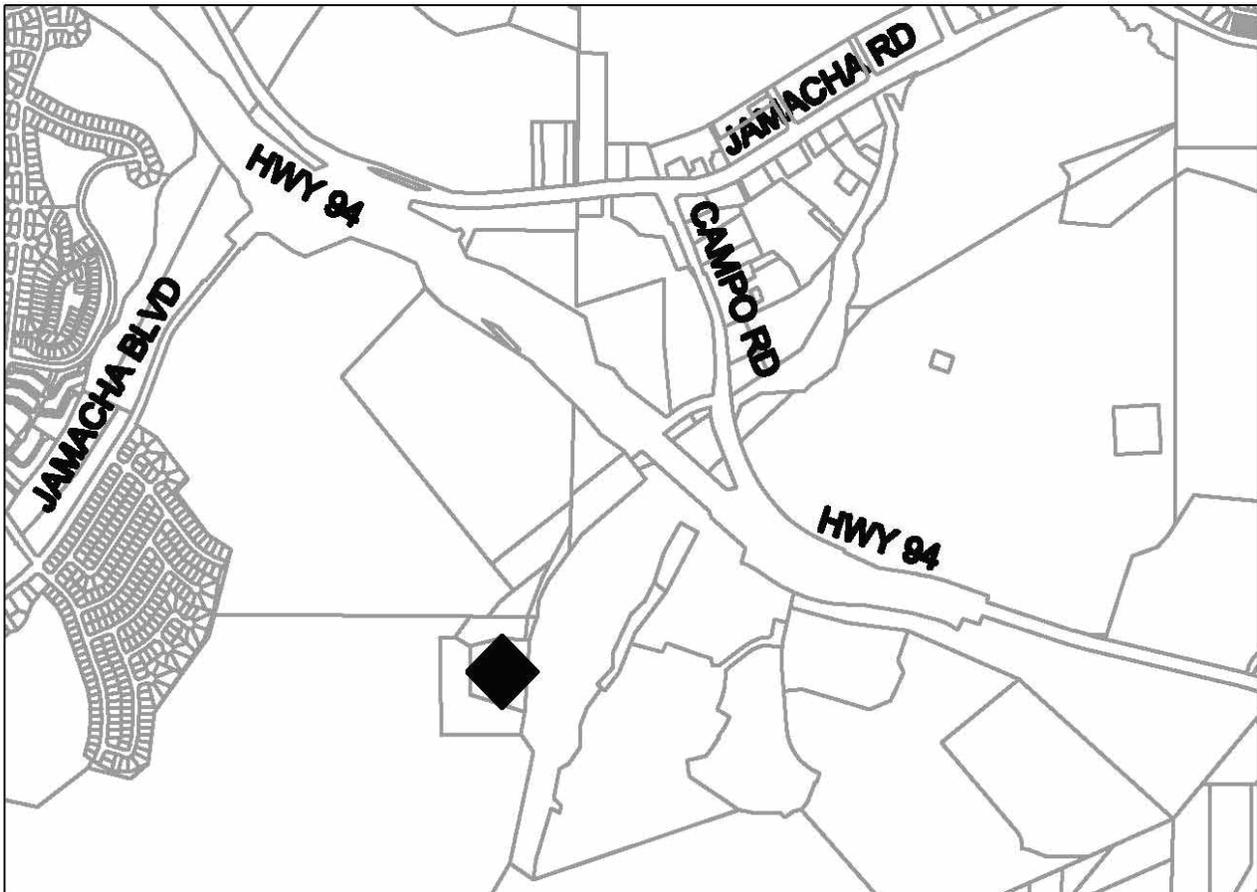
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

FY	FY	FY	FY	FY	FY	TOTAL
2012	2013	2014	2015	2016	2017	
						\$0

**PROJECT LOCATION:**

Thomas Bros. Map: 1271

OWD Map Book: 319



Submitted By: Lisa Coburn-Boyd

Date: 02/22/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: R2099**

**PROJECT TITLE:** Recycled System Air and Vacuum Valve Retrofit

<b>PROJECT MANAGER:</b> Holly	<b>DIRECTOR DIVISION:</b>
<b>ORIGINAL APPROVED DATE:</b>	<b>I.D. LOCATION:</b>
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$700,000

**DESCRIPTION OF PROJECT:**

This project is to provide funding for the upgrading of approximately 274 existing recycled water system air and vacuum valves that are presently above grade to below grade installations.

**JUSTIFICATION OF PROJECT:**

Some of the recycled water system existing air and vacuum valves are located in streets, roadways, and other locations that are subject to being struck and damaged by vehicles. Some of these facilities will require extension of the piping outside of the traveled way.

**COMMENTS:**

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
	\$234	\$233	\$233	\$0	\$0	\$0	\$700

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: R2099**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>	07/11	06/14	\$700
<b>DESIGN:</b>			
<b>CONSTRUCTION:</b>			

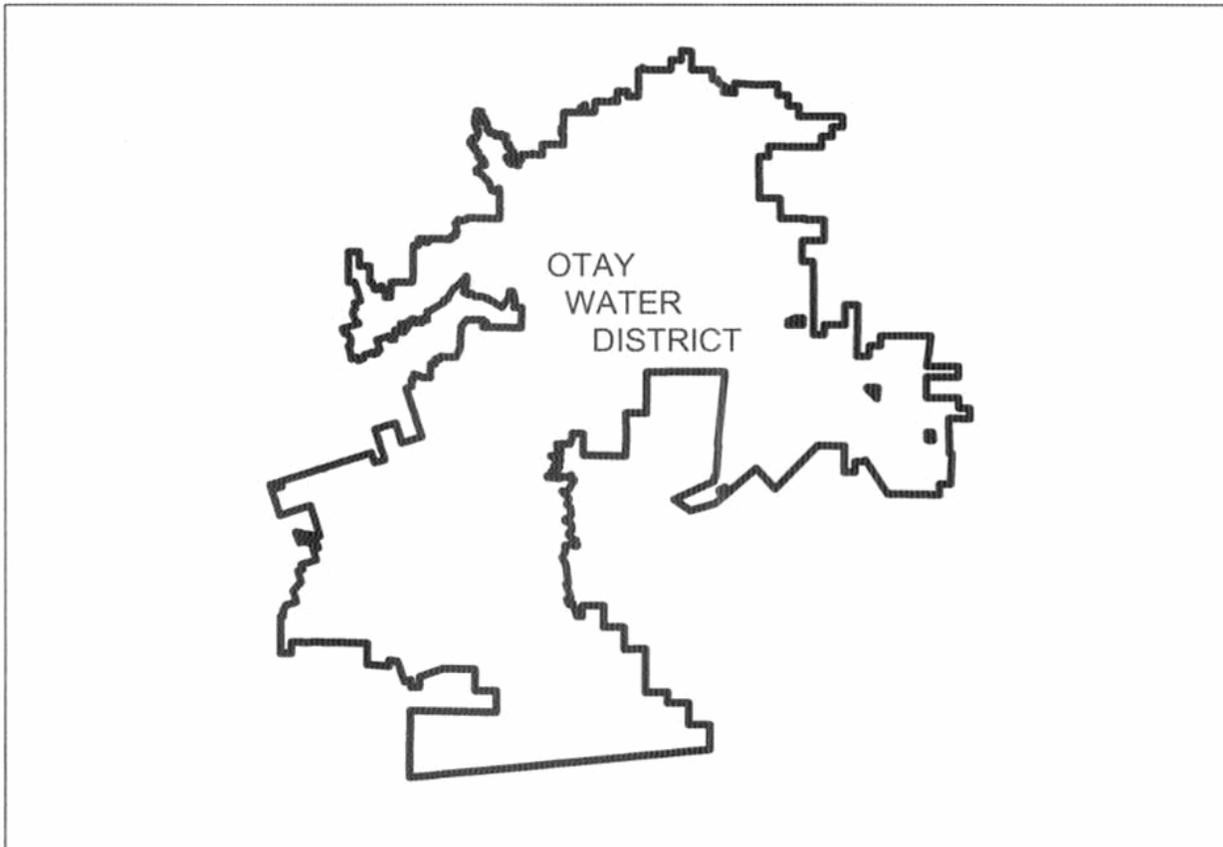
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
2012	2013	2014	2015	2016	2017	
						\$0

**PROJECT LOCATION:**

**Thomas Bros. Map:**

**OWD Map Book:**



**Submitted By:** Roger Holly

**Date:** 02/15/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: S2012**

**PROJECT TITLE: SVSD Outfall and RSD Replacement and OM Reimbursement**

<b>PROJECT MANAGER:</b> Kennedy	<b>DIRECTOR DIVISION:</b>
<b>ORIGINAL APPROVED DATE:</b> 6/4/2003	<b>I.D. LOCATION:</b>
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$4,392,000

**DESCRIPTION OF PROJECT:**

This project provides funding for the Otay WD proportionate share of the SVSD total costs for replacement of various system components of the existing Spring Valley and Rancho San Diego Outfall Systems per terms of an existing agreement with the SVSD. The reimbursement also includes a proportionate share of operating and maintenance costs.

**JUSTIFICATION OF PROJECT:**

Various components of the SVSD Spring Valley Outfall and the Rancho San Diego Outfall are in very bad condition and are need of repair and/or replacement.

**COMMENTS:**

**FUND DETAIL:**

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2012	2013	2014	2015	2016	2017	TOTAL
\$2,200	\$642	\$350	\$300	\$300	\$300	\$300	\$4,392

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: S2012**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>	07/03	06/17	\$4,392
<b>DESIGN:</b>			
<b>CONSTRUCTION:</b>			

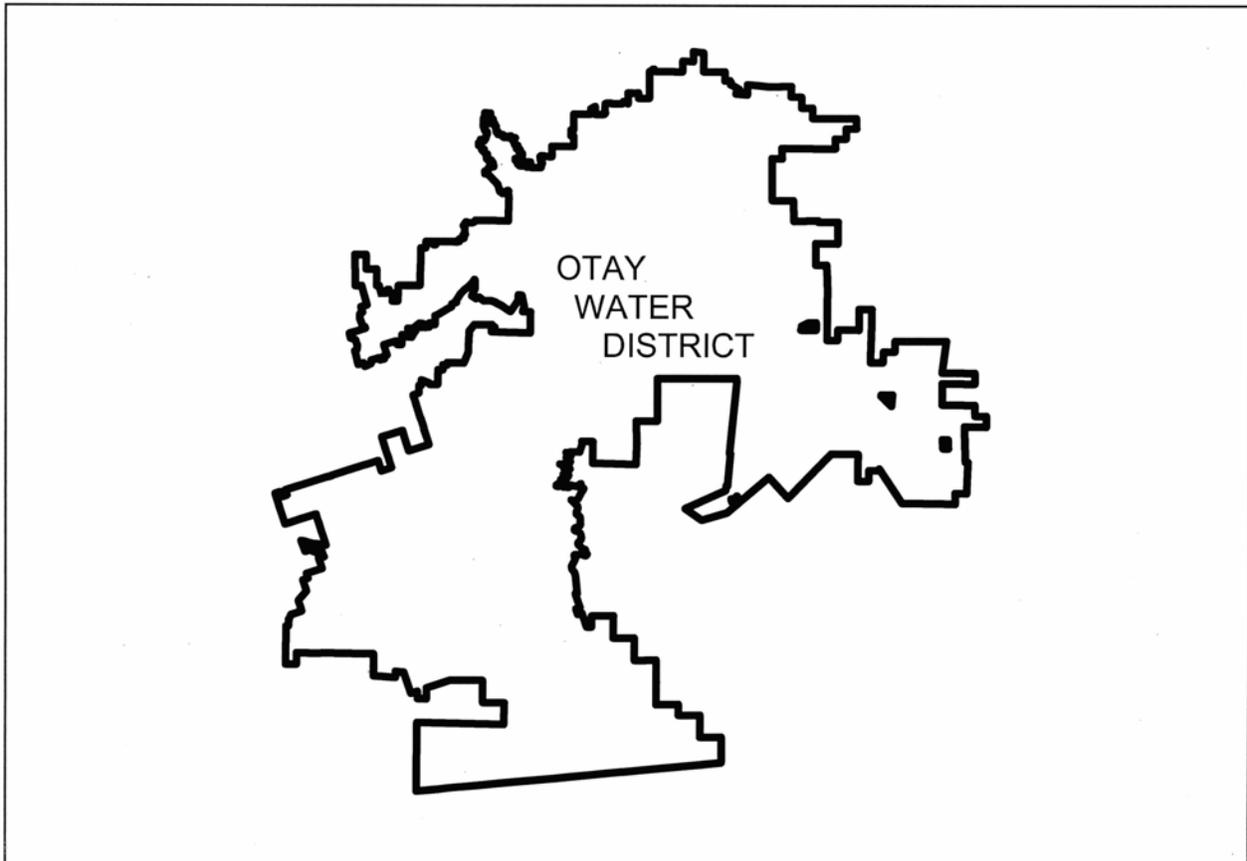
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
2012	2013	2014	2015	2016	2017	\$0

**PROJECT LOCATION:**

**Thomas Bros. Map:**

**OWD Map Book:**



**Submitted By:** Bob Kennedy

**Date:** 02/18/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: S2019**

**PROJECT TITLE:** Avocado Boulevard 8-Inch Sewer Main Improvement

<b>PROJECT MANAGER:</b> Cameron	<b>DIRECTOR DIVISION:</b> 5
<b>ORIGINAL APPROVED DATE:</b> 5/21/2009	<b>I.D. LOCATION:</b> 18
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$1,900,000

**DESCRIPTION OF PROJECT:**

This project provides sewer main capacity upgrades for approximately 3,200 feet of existing 8-inch ABS sewer main in Avocado Boulevard.

**JUSTIFICATION OF PROJECT:**

The existing sewer main is under sized and the capacity must be increased and has debris deposit problems.

**COMMENTS:**

**FUND DETAIL:**

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
Sewer		100%		100%
<b>TOTAL:</b>		100%		100%

**EXPENDITURE SCHEDULE (X \$1,000):**

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2012	2013	2014	2015	2016	2017	TOTAL
\$300	\$1,400	\$200	\$0	\$0	\$0	\$0	\$1,900

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: S2019**

**PROJECT SCHEDULE:**

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/09	02/10	\$65
DESIGN:	03/10	09/10	\$180
CONSTRUCTION:	10/10	12/12	\$1,655

**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

FY	FY	FY	FY	FY	FY	TOTAL
2012	2013	2014	2015	2016	2017	
						\$0

**PROJECT LOCATION:** Thomas Bros. Map: 1271

**OWD Map Book: 342**



**Submitted By:** Kevin Cameron

**Date:** 02/08/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: S2020**

**PROJECT TITLE:** Calavo Drive 8-Inch Sewer Main Replacement

<b>PROJECT MANAGER:</b> Cameron	<b>DIRECTOR DIVISION:</b> 5
<b>ORIGINAL APPROVED DATE:</b> 5/21/2009	<b>I.D. LOCATION:</b> 18
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$550,000

**DESCRIPTION OF PROJECT:**

This project provides funds to replace approximately 600 feet of existing 8-inch ABS sewer main in Calavo Drive.

**JUSTIFICATION OF PROJECT:**

The existing sewer main is under sized and the capacity must be increased and has debris deposit problems.

**COMMENTS:**

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
\$70	\$370	\$110	\$0	\$0	\$0	\$0	\$550

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: S2020**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>	07/09	02/10	\$14
<b>DESIGN:</b>	03/10	09/10	\$40
<b>CONSTRUCTION:</b>	10/10	12/12	\$496

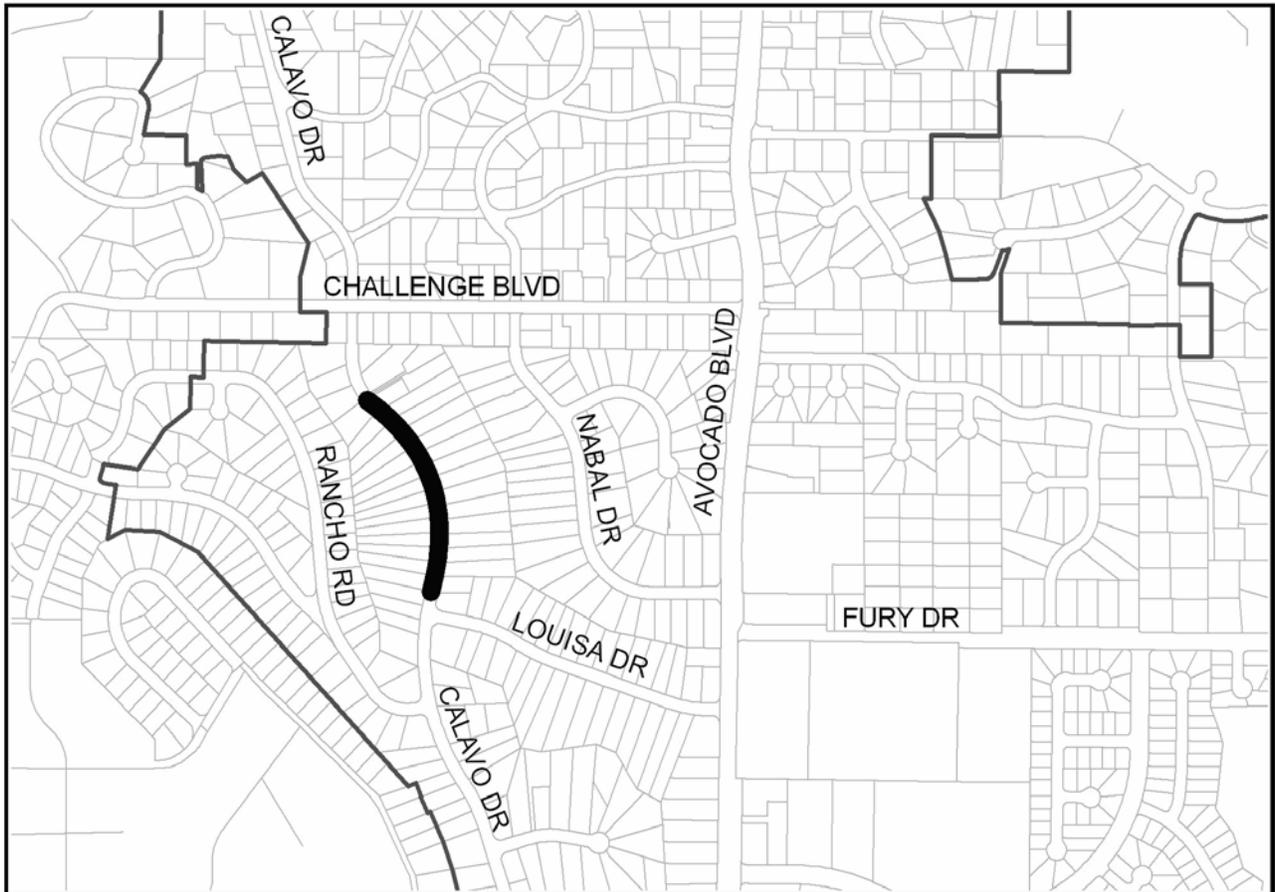
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>\$0</b>

**PROJECT LOCATION:**

**Thomas Bros. Map: 1271**

**OWD Map Book: 342**



**Submitted By:** Kevin Cameron

**Date:** 02/08/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: S2022**

**PROJECT TITLE:** Hidden Mesa Drive 8-Inch Sewer Main Rehabilitation

<b>PROJECT MANAGER:</b>	Cameron	<b>DIRECTOR DIVISION:</b>	5
<b>ORIGINAL APPROVED DATE:</b>	5/21/2009	<b>I.D. LOCATION:</b>	18
<b>RELATED CIP PROJECTS:</b>		<b>PRIORITY:</b>	1
		<b>BUDGET AMOUNT:</b>	\$150,000

**DESCRIPTION OF PROJECT:**

This project provides funds to replace approximately 315 feet of existing 8-inch VCP sewer main in Hidden Mesa Drive.

**JUSTIFICATION OF PROJECT:**

The existing sewer main is under sized and the capacity must be increased and has debris deposit problems.

**COMMENTS:**

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
Sewer		100%		100%
<b>TOTAL:</b>		100%		100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
\$30	\$80	\$40	\$0	\$0	\$0	\$0	\$150

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: S2022**

**PROJECT SCHEDULE:**

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/09	02/10	\$2
DESIGN:	03/10	09/10	\$40
CONSTRUCTION:	10/10	12/12	\$108

**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

FY	FY	FY	FY	FY	FY	TOTAL
2012	2013	2014	2015	2016	2017	
						\$0

**PROJECT LOCATION:**

Thomas Bros. Map: 1272

OWD Map Book: 368



Submitted By: Kevin Cameron

Date: 02/08/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: S2023**

**PROJECT TITLE:** Calavo Drive Sewer Main Utility Relocation

<b>PROJECT MANAGER:</b>	Kay	<b>DIRECTOR DIVISION:</b>	5
<b>ORIGINAL APPROVED DATE:</b>	5/21/2009	<b>I.D. LOCATION:</b>	14
<b>RELATED CIP PROJECTS:</b>		<b>PRIORITY:</b>	1
		<b>BUDGET AMOUNT:</b>	\$65,000

**DESCRIPTION OF PROJECT:**

This project provides funds to replace approximately 230 feet of existing 8-inch ABS sewer main in Calavo Drive.

**JUSTIFICATION OF PROJECT:**

The County of San Diego plans to install a new storm drain culvert that conflicts with the existing sewer main. The County of San Diego has prior and superior rights thus Otay WD will be responsible for the cost to replace the sewer main.

**COMMENTS:**

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
\$15	\$50	\$0	\$0	\$0	\$0	\$0	\$65

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: S2023**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>	07/09	09/09	\$2
<b>DESIGN:</b>	10/09	01/10	\$30
<b>CONSTRUCTION:</b>	02/10	06/12	\$33

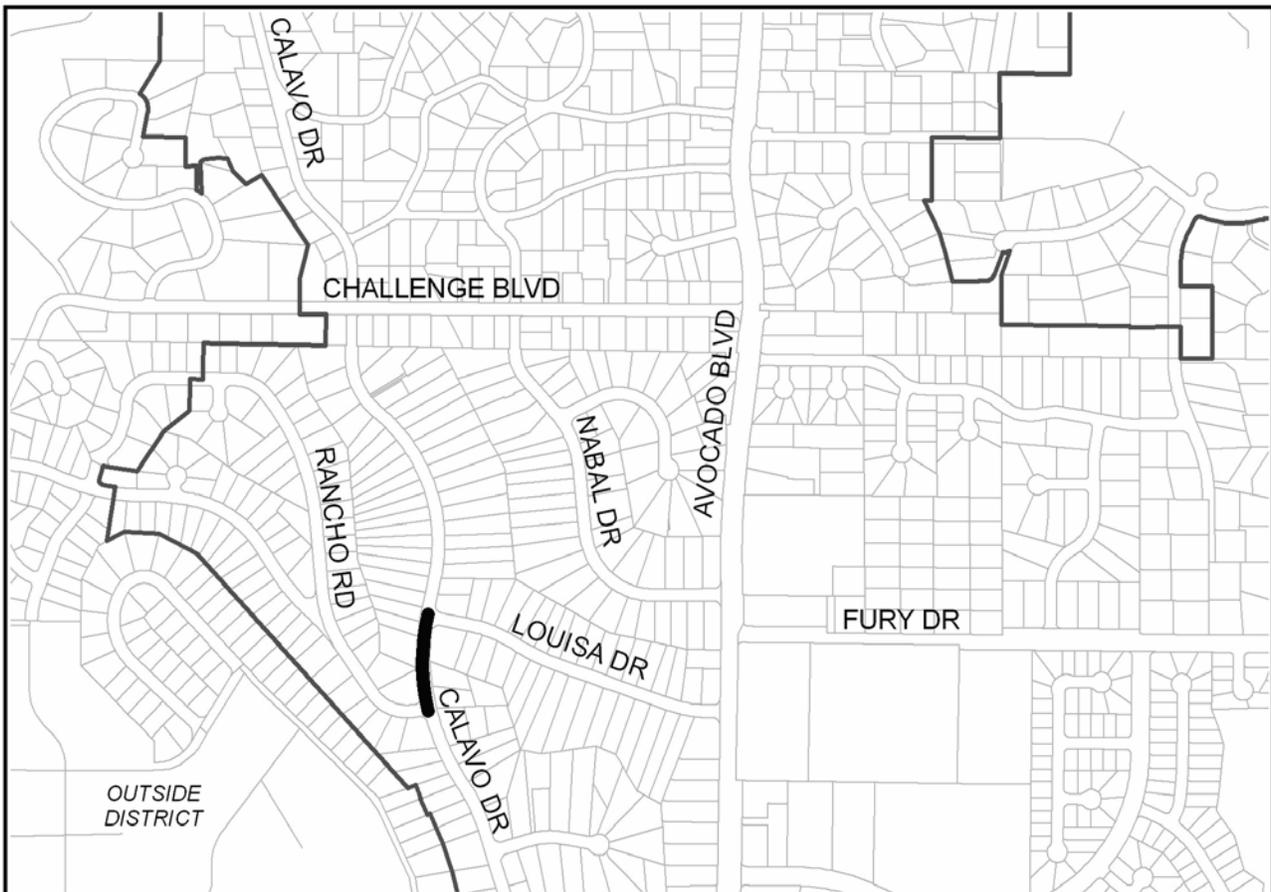
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>\$0</b>

**PROJECT LOCATION:**

**Thomas Bros. Map: 1271**

**OWD Map Book: 342**



**Submitted By:** Daniel Kay

**Date:** 02/02/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: S2024**

**PROJECT TITLE:** Campo Road Sewer Main Replacement

<b>PROJECT MANAGER:</b> Cameron	<b>DIRECTOR DIVISION:</b> 3
<b>ORIGINAL APPROVED DATE:</b> 5/17/2010	<b>I.D. LOCATION:</b> 18
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 2
	<b>BUDGET AMOUNT:</b> \$3,250,000

**DESCRIPTION OF PROJECT:**

This project provides funds to upgrade the sewer main capacity of approximately 8,500 feet of existing 10-inch PVC sewer main in Camp Road and adjacent open space.

**JUSTIFICATION OF PROJECT:**

The existing sewer main is under sized and must be replaced to increase capacity. Portions of the sewer main are located in areas of sensitive habitat making it difficult to access for maintenance.

**COMMENTS:**

**FUND DETAIL:**

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2012	2013	2014	2015	2016	2017	TOTAL
\$10	\$10	\$150	\$250	\$1,500	\$1,300	\$30	\$3,250

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: S2024**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>	07/10	12/12	\$80
<b>DESIGN:</b>	01/12	01/14	\$450
<b>CONSTRUCTION:</b>	02/15	06/17	\$2,720

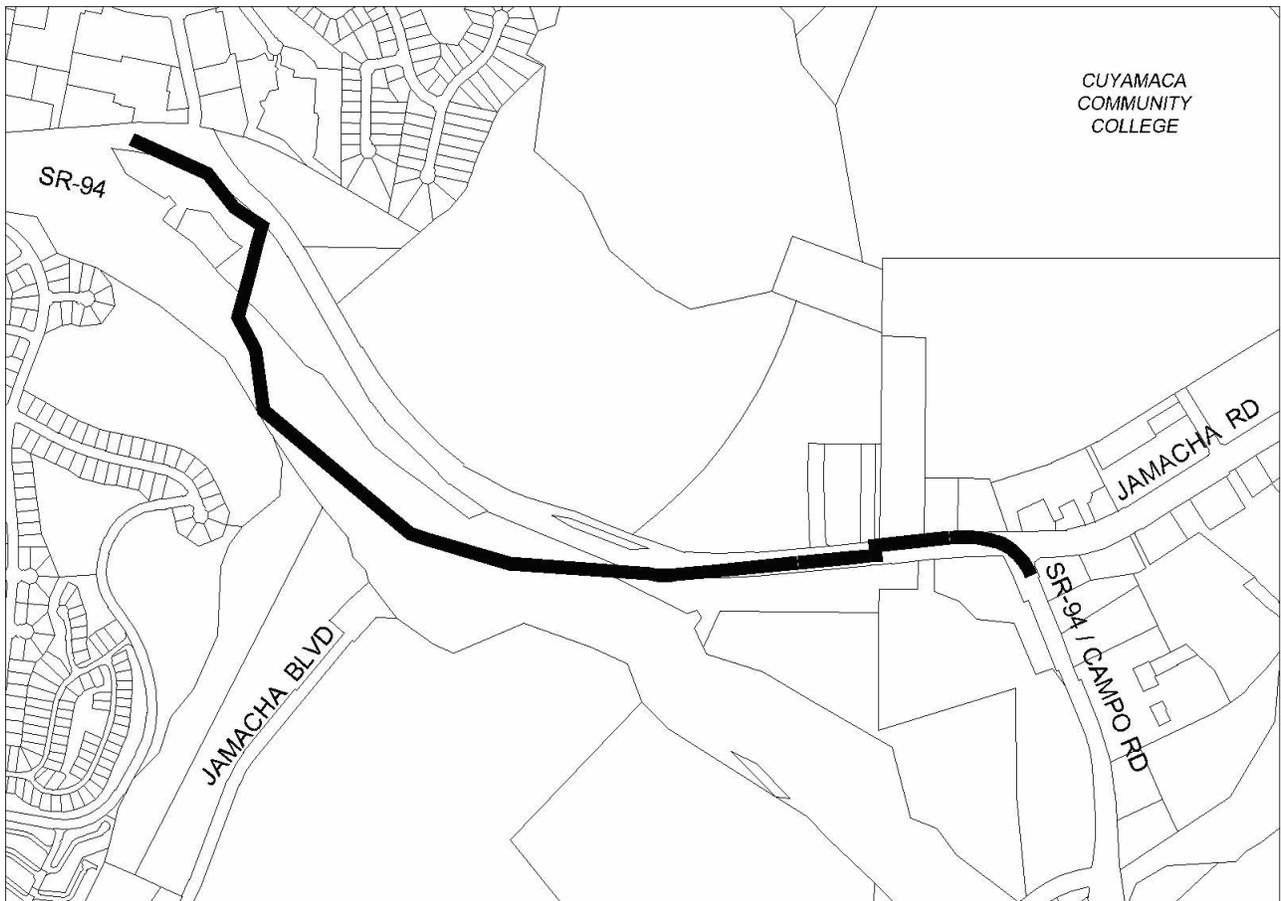
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>\$0</b>

**PROJECT LOCATION:**

**Thomas Bros. Map: 1271**

**OWD Map Book: 330**



**Submitted By:** Kevin Cameron

**Date:** 02/08/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: S2026**

**PROJECT TITLE:** Challenge Boulevard 8-Inch Sewer Main Replacement

<b>PROJECT MANAGER:</b> Cameron	<b>DIRECTOR DIVISION:</b> 5
<b>ORIGINAL APPROVED DATE:</b>	<b>I.D. LOCATION:</b> 14
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 2
	<b>BUDGET AMOUNT:</b> \$250,000

**DESCRIPTION OF PROJECT:**

This project provides funds to replace approximately 260 feet of existing 8-inch ABS sewer main in Challenge Boulevard.

**JUSTIFICATION OF PROJECT:**

The existing sewer main has several sags which has allowed debris deposits to form and is deformed in one section allowing groundwater infiltration.

**COMMENTS:**

**FUND DETAIL:**

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2012	2013	2014	2015	2016	2017	TOTAL
	\$25	\$200	\$25	\$0	\$0	\$0	\$250

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: S2026**

**PROJECT SCHEDULE:**

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/11	06/12	\$2
DESIGN:	07/12	12/12	\$30
CONSTRUCTION:	01/13	09/14	\$218

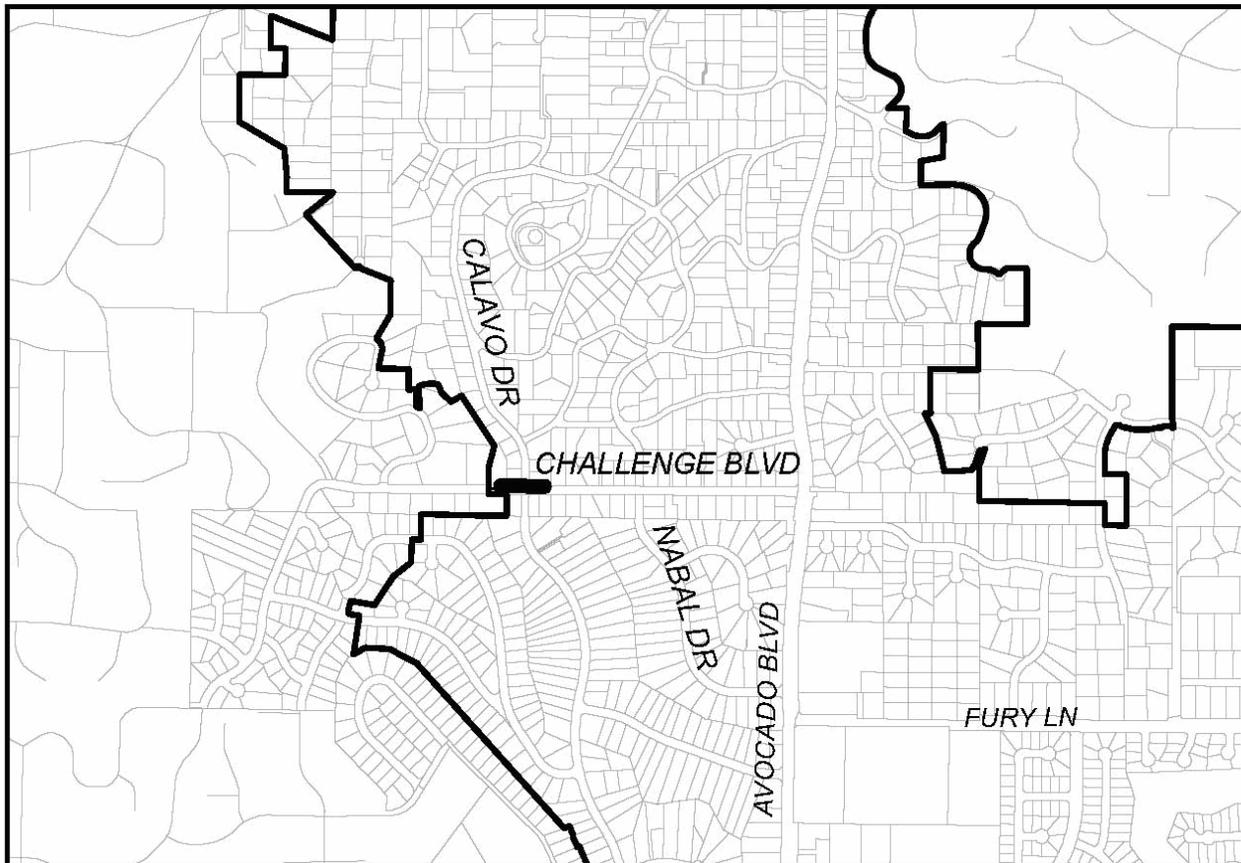
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

FY	FY	FY	FY	FY	FY	TOTAL
2012	2013	2014	2015	2016	2017	
						\$0

**PROJECT LOCATION:**

Thomas Bros. Map: 1271

OWD Map Book: 354



Submitted By: Kevin Cameron

Date: 02/08/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: S2027**

**PROJECT TITLE:** Rancho San Diego Pump Station Rehabilitation

<b>PROJECT MANAGER:</b> Kennedy	<b>DIRECTOR DIVISION:</b> 5
<b>ORIGINAL APPROVED DATE:</b>	<b>I.D. LOCATION:</b> 18
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 2
	<b>BUDGET AMOUNT:</b> \$2,800,000

**DESCRIPTION OF PROJECT:**

This project provides funding for the rehabilitation of the Rancho San Diego Pump Station located near Singer Lane.

**JUSTIFICATION OF PROJECT:**

The existing sewer pump station is over 20 years old and the pumps have reached the end of their useful lives. The pump station also needs improvements to bring the station up to current OSHA requirements.

**COMMENTS:**

**FUND DETAIL:**

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2012	2013	2014	2015	2016	2017	TOTAL
	\$100	\$1,300	\$1,400	\$0	\$0	\$0	\$2,800

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: S2027**

**PROJECT SCHEDULE:**

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/11	06/12	\$5
DESIGN:	07/12	12/12	\$50
CONSTRUCTION:	01/13	09/14	\$2,745

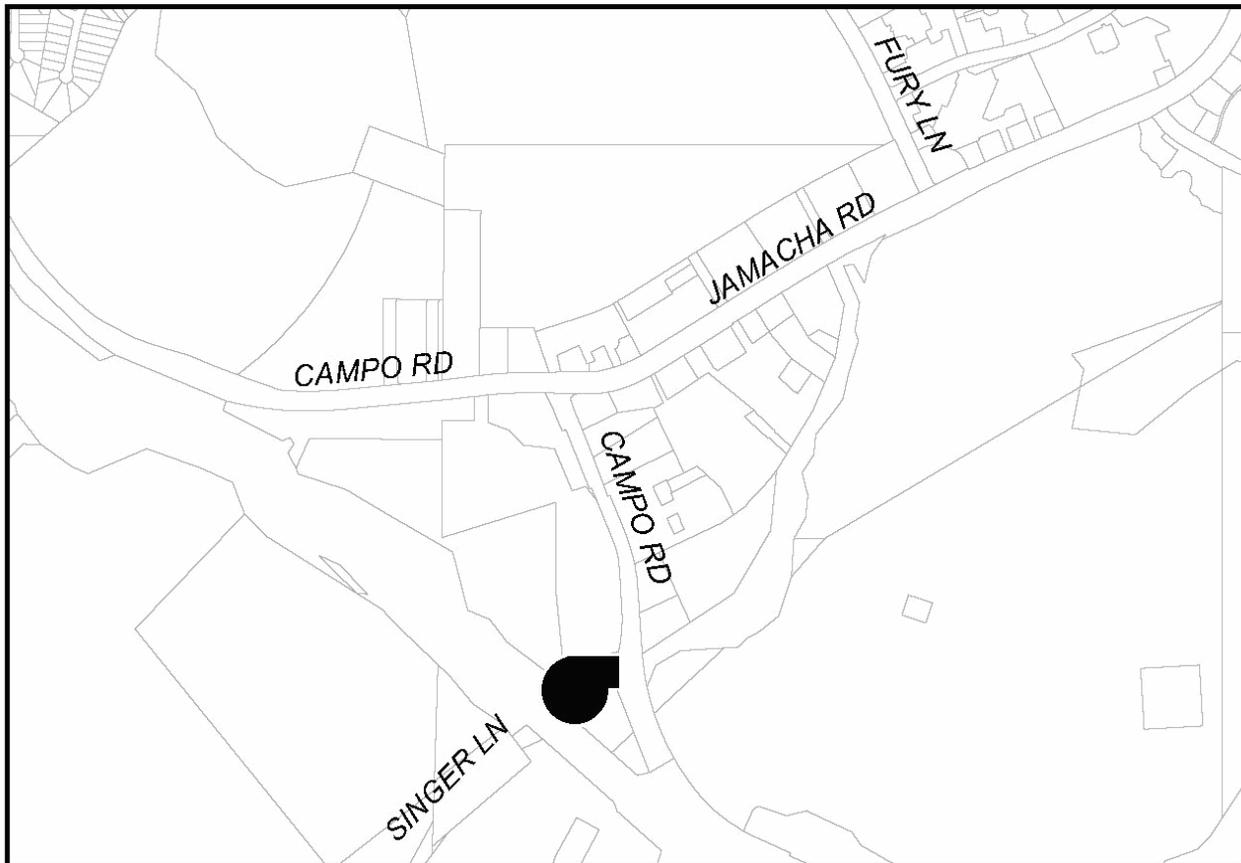
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

FY	FY	FY	FY	FY	FY	TOTAL
2012	2013	2014	2015	2016	2017	
						\$0

**PROJECT LOCATION:**

Thomas Bros. Map: 1271

OWD Map Book: 331



Submitted By: Bob Kennedy

Date: 02/18/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: S2028**

**PROJECT TITLE:** Explorer Way 8-Inch Sewer Main Replacement

<b>PROJECT MANAGER:</b> Cameron	<b>DIRECTOR DIVISION:</b> 5
<b>ORIGINAL APPROVED DATE:</b>	<b>I.D. LOCATION:</b> 18
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 2
	<b>BUDGET AMOUNT:</b> \$125,000

**DESCRIPTION OF PROJECT:**

This project provides funds to replace approximately 200 feet of existing 8-inch PVC sewer main in Explorer Way.

**JUSTIFICATION OF PROJECT:**

The existing sewer main has several sags which has allowed debris deposits to form.

**COMMENTS:**

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
	\$20	\$100	\$5	\$0	\$0	\$0	\$125

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: S2028**

**PROJECT SCHEDULE:**

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/11	06/12	\$2
DESIGN:	07/12	12/12	\$30
CONSTRUCTION:	01/13	09/14	\$93

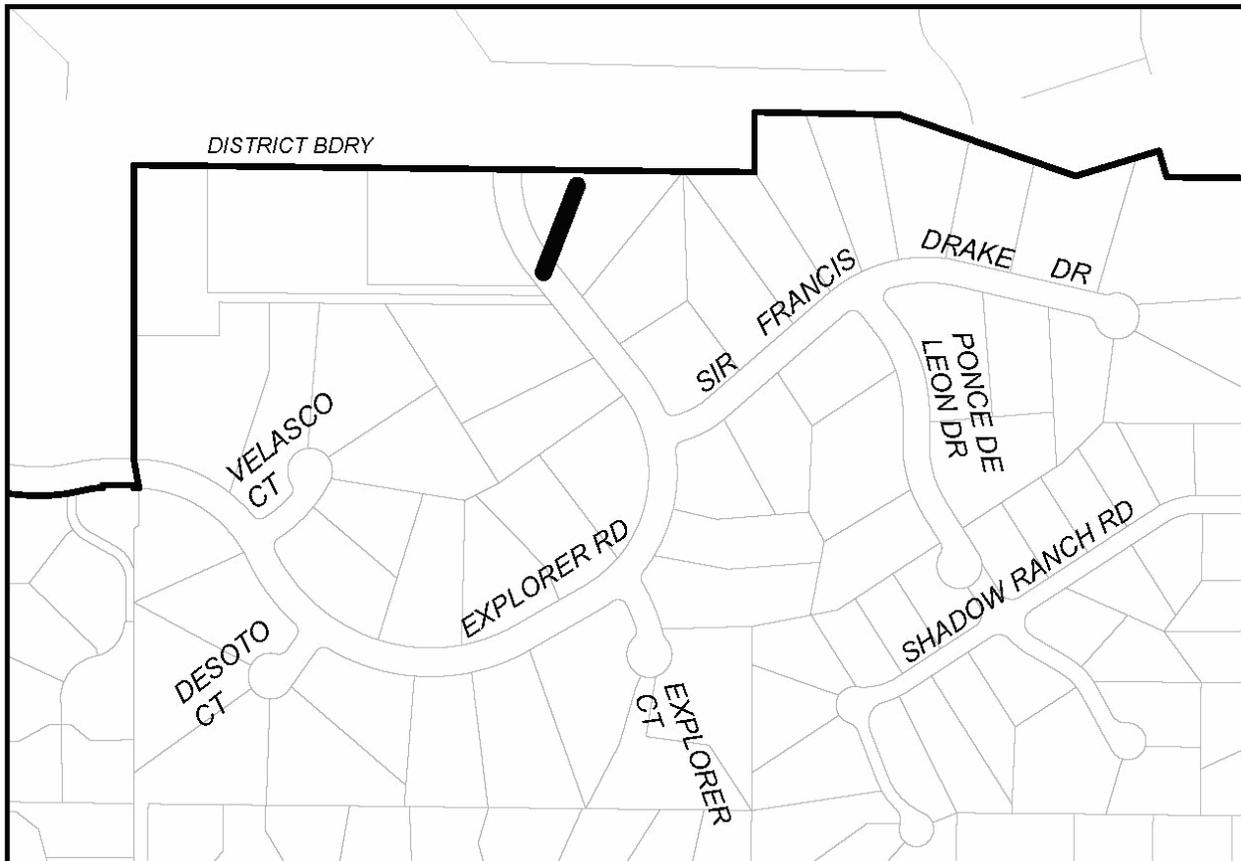
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

FY	FY	FY	FY	FY	FY	TOTAL
2012	2013	2014	2015	2016	2017	
						\$0

**PROJECT LOCATION:**

Thomas Bros. Map: 1271

OWD Map Book: 354



Submitted By: Kevin Cameron

Date: 02/08/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: S2029**

**PROJECT TITLE:** Chase Avenue 8-Inch Sewer Main Replacement

<b>PROJECT MANAGER:</b> Cameron	<b>DIRECTOR DIVISION:</b> 5
<b>ORIGINAL APPROVED DATE:</b>	<b>I.D. LOCATION:</b> 18
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 2
	<b>BUDGET AMOUNT:</b> \$125,000

**DESCRIPTION OF PROJECT:**

This project provides funds to replace approximately 220 feet of existing 8-inch PVC sewer main across Chase Avenue west of Jamacha Road.

**JUSTIFICATION OF PROJECT:**

The existing sewer main has several sags which has allowed debris deposits to form.

**COMMENTS:**

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
	\$20	\$100	\$5	\$0	\$0	\$0	\$125

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: S2029**

**PROJECT SCHEDULE:**

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/11	06/12	\$2
DESIGN:	07/12	12/12	\$30
CONSTRUCTION:	01/13	09/14	\$93

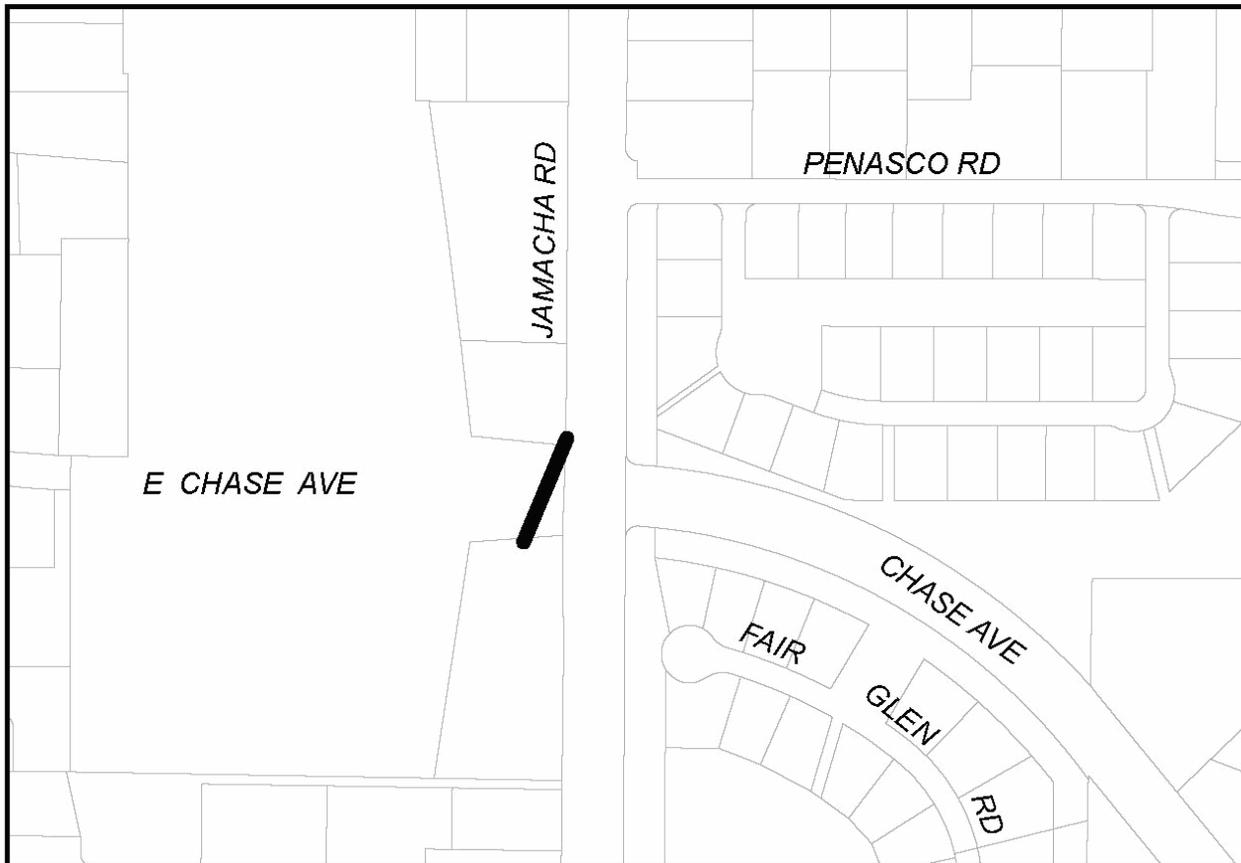
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

FY	FY	FY	FY	FY	FY	TOTAL
2012	2013	2014	2015	2016	2017	
						\$0

**PROJECT LOCATION:**

Thomas Bros. Map: 1272

OWD Map Book: 368



**Submitted By:** Kevin Cameron

**Date:** 02/08/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: S2030**

**PROJECT TITLE:** Avocado Boulevard 8-Inch Sewer Main Replacement

<b>PROJECT MANAGER:</b> Cameron	<b>DIRECTOR DIVISION:</b> 5
<b>ORIGINAL APPROVED DATE:</b>	<b>I.D. LOCATION:</b> 18
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 2
	<b>BUDGET AMOUNT:</b> \$325,000

**DESCRIPTION OF PROJECT:**

This project provides funds to replace approximately 360 feet of existing 8-inch ABS sewer main in an easement west of Avocado Boulevard.

**JUSTIFICATION OF PROJECT:**

The existing sewer main has several sags which has allowed debris deposits to form.

**COMMENTS:**

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
	\$50	\$250	\$25	\$0	\$0	\$0	\$325

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: S2030**

**PROJECT SCHEDULE:**

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/11	06/12	\$2
DESIGN:	07/12	12/12	\$50
CONSTRUCTION:	01/13	09/14	\$273

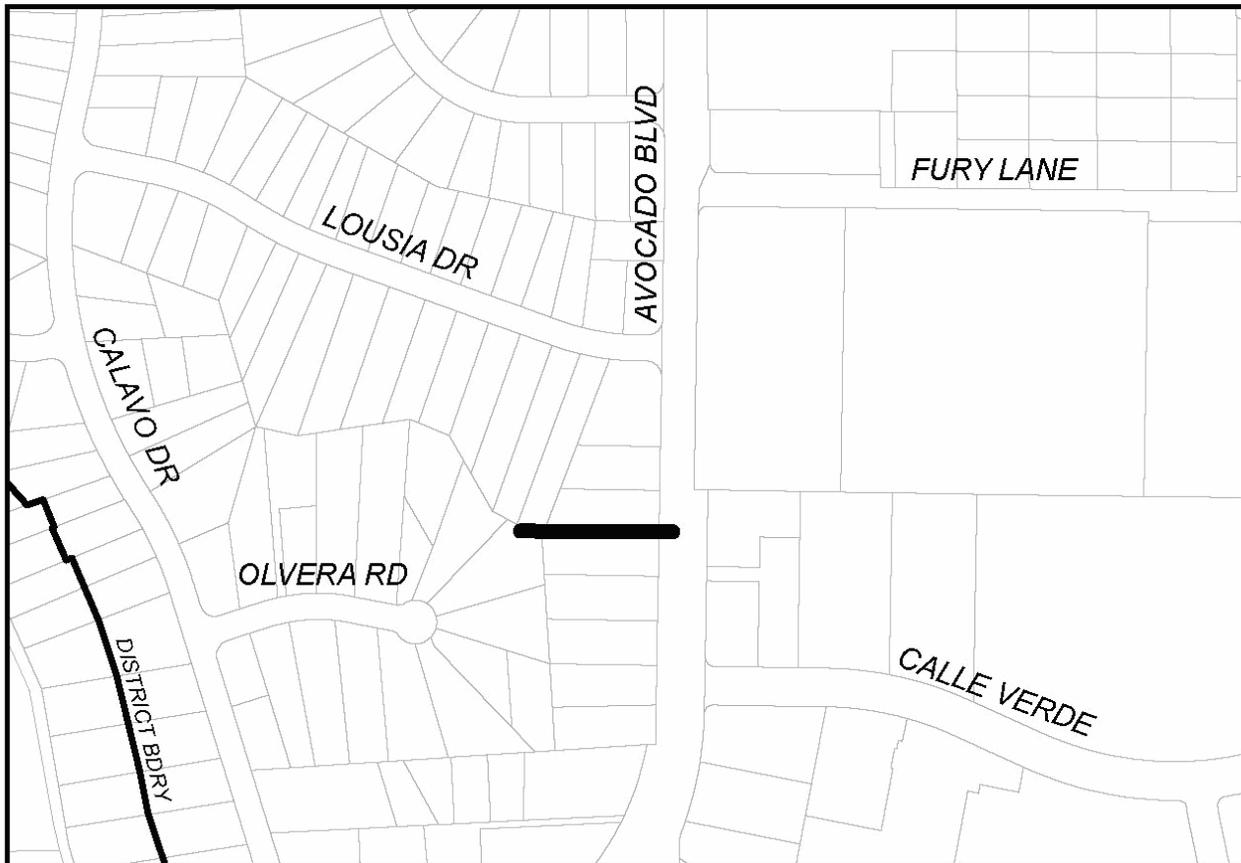
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

FY	FY	FY	FY	FY	FY	TOTAL
2012	2013	2014	2015	2016	2017	
						\$0

**PROJECT LOCATION:**

Thomas Bros. Map: 1271

OWD Map Book: 342



Submitted By: Kevin Cameron

Date: 02/08/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: S2031**

**PROJECT TITLE:** Julianna Street 8-Inch Sewer Main Replacement

<b>PROJECT MANAGER:</b>	Cameron	<b>DIRECTOR DIVISION:</b>	5
<b>ORIGINAL APPROVED DATE:</b>		<b>I.D. LOCATION:</b>	18
<b>RELATED CIP PROJECTS:</b>		<b>PRIORITY:</b>	2
		<b>BUDGET AMOUNT:</b>	\$150,000

**DESCRIPTION OF PROJECT:**

This project provides funds to replace approximately 300 feet of existing 8-inch PVC sewer main in Julianna Street west of Cousino Way.

**JUSTIFICATION OF PROJECT:**

The existing sewer main has several sags which has allowed debris deposits to form.

**COMMENTS:**

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
	\$20	\$125	\$5	\$0	\$0	\$0	\$150

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: S2031**

**PROJECT SCHEDULE:**

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/11	06/12	\$2
DESIGN:	07/12	12/12	\$30
CONSTRUCTION:	01/13	09/14	\$118

**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

FY	FY	FY	FY	FY	FY	TOTAL
2012	2013	2014	2015	2016	2017	
						\$0

**PROJECT LOCATION:**

Thomas Bros. Map: 1272

OWD Map Book: 368



Submitted By: Kevin Cameron

Date: 02/08/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: S2032**

**PROJECT TITLE:** Puebla Drive 8-Inch Sewer Main Replacement

<b>PROJECT MANAGER:</b> Cameron	<b>DIRECTOR DIVISION:</b> 5
<b>ORIGINAL APPROVED DATE:</b>	<b>I.D. LOCATION:</b> 14
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 2
	<b>BUDGET AMOUNT:</b> \$125,000

**DESCRIPTION OF PROJECT:**

This project provides funds to replace approximately 105 feet of existing 8-inch ABS sewer main in Puebla Drive and Avocado Boulevard.

**JUSTIFICATION OF PROJECT:**

The existing sewer main has several sags which has allowed debris deposits to form.

**COMMENTS:**

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
	\$20	\$100	\$5	\$0	\$0	\$0	\$125

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: S2032**

**PROJECT SCHEDULE:**

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/11	06/12	\$2
DESIGN:	07/12	12/12	\$30
CONSTRUCTION:	01/13	09/14	\$93

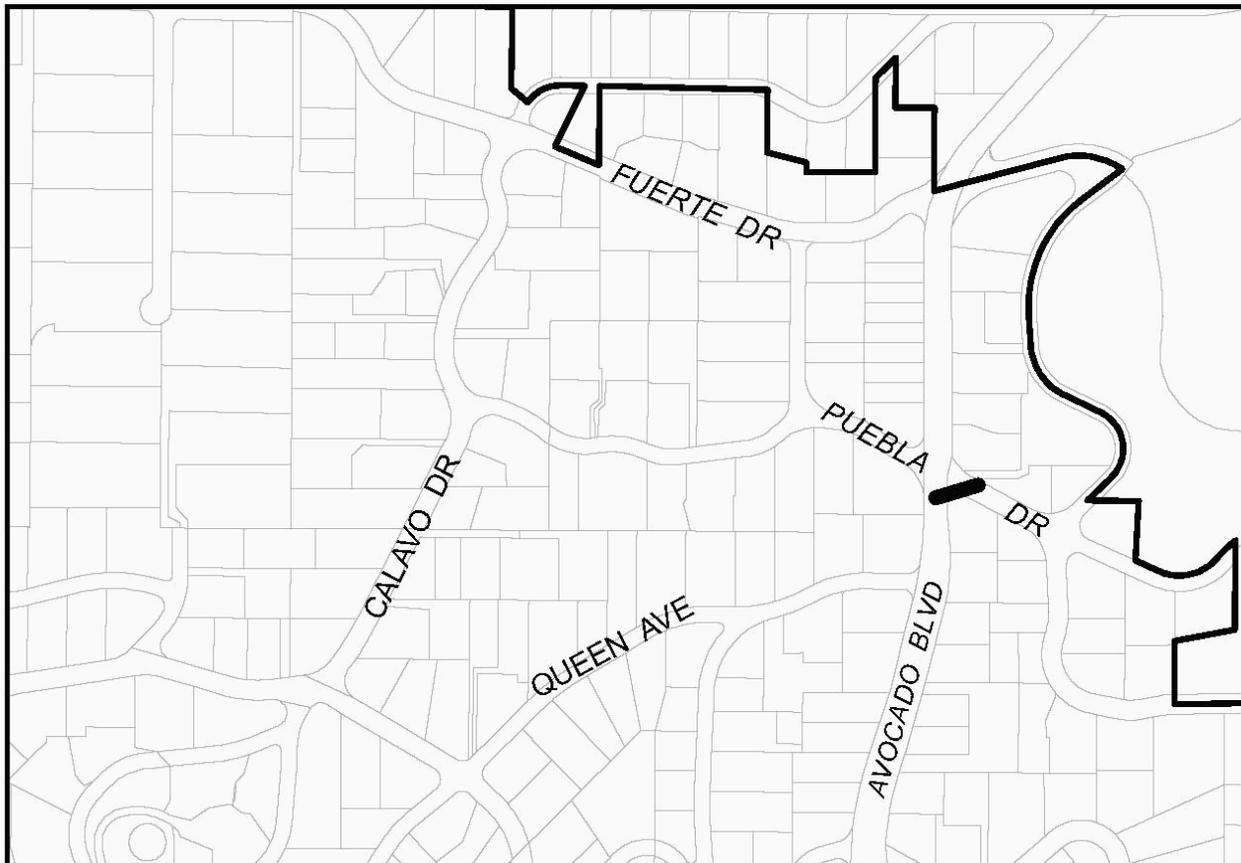
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

FY	FY	FY	FY	FY	FY	TOTAL
2012	2013	2014	2015	2016	2017	
						\$0

**PROJECT LOCATION:**

Thomas Bros. Map: 1271

OWD Map Book: 354



**Submitted By:** Kevin Cameron

**Date:** 02/08/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: S2033**

**PROJECT TITLE:** Sewer System Various Locations Rehabilitation

<b>PROJECT MANAGER:</b> Cameron	<b>DIRECTOR DIVISION:</b> 5
<b>ORIGINAL APPROVED DATE:</b>	<b>I.D. LOCATION:</b> 18
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 2
	<b>BUDGET AMOUNT:</b> \$800,000

**DESCRIPTION OF PROJECT:**

This project provides funding for various sewer system rehabilitation efforts that have been identified. These efforts involve replacement of various very short segments of damaged sewer main, separated pipe joints, etc.

**JUSTIFICATION OF PROJECT:**

The closed circuit television sewer assessment program process have assisted in the identification of sewer mains that are damaged and need to be repaired.

**COMMENTS:**

**FUND DETAIL:**

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2012	2013	2014	2015	2016	2017	TOTAL
	\$100	\$650	\$50	\$0	\$0	\$0	\$800

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: S2033**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>	07/11	06/12	\$2
<b>DESIGN:</b>	07/12	12/12	\$75
<b>CONSTRUCTION:</b>	01/13	09/14	\$723

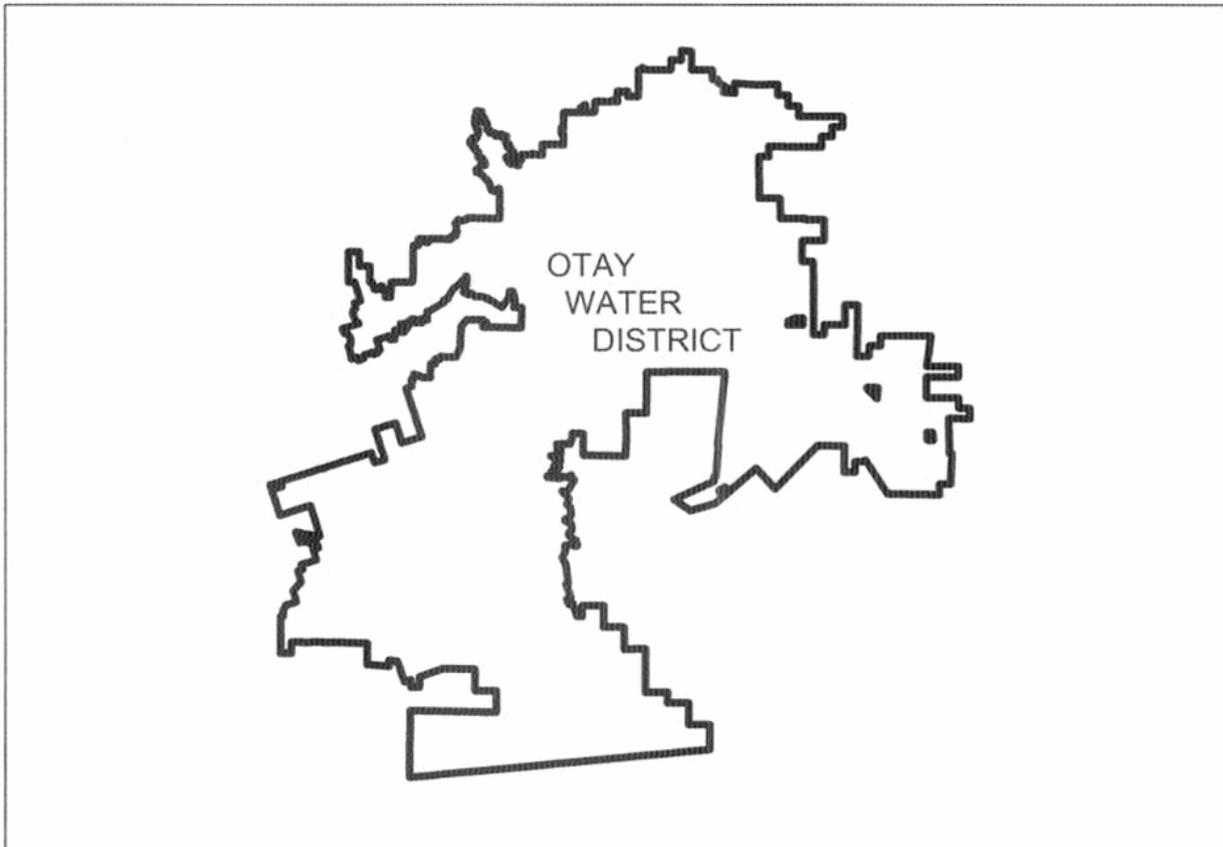
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
						\$0

**PROJECT LOCATION:**

**Thomas Bros. Map:**

**OWD Map Book:**



**Submitted By:** Kevin Cameron

**Date:** 02/08/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: S2034**

**PROJECT TITLE:** Vista Grande and Paseo Grande 8-Inch Sewer Main Replacement

<b>PROJECT MANAGER:</b> Cameron	<b>DIRECTOR DIVISION:</b> 5
<b>ORIGINAL APPROVED DATE:</b>	<b>I.D. LOCATION:</b> 18
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 2
	<b>BUDGET AMOUNT:</b> \$250,000

**DESCRIPTION OF PROJECT:**

This project provides funds to replace approximately 280 feet of existing 8-inch PVC sewer main in Vista Grande Road and approximately 290 feet of existing 8-inch PVC sewer main in Paseo Grande.

**JUSTIFICATION OF PROJECT:**

The existing sewer mains have several sags which has allowed debris deposits to form.

**COMMENTS:**

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
	\$25	\$200	\$25	\$0	\$0	\$0	\$250

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: S2034**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>	07/11	06/12	\$2
<b>DESIGN:</b>	07/12	12/12	\$30
<b>CONSTRUCTION:</b>	01/13	09/14	\$218

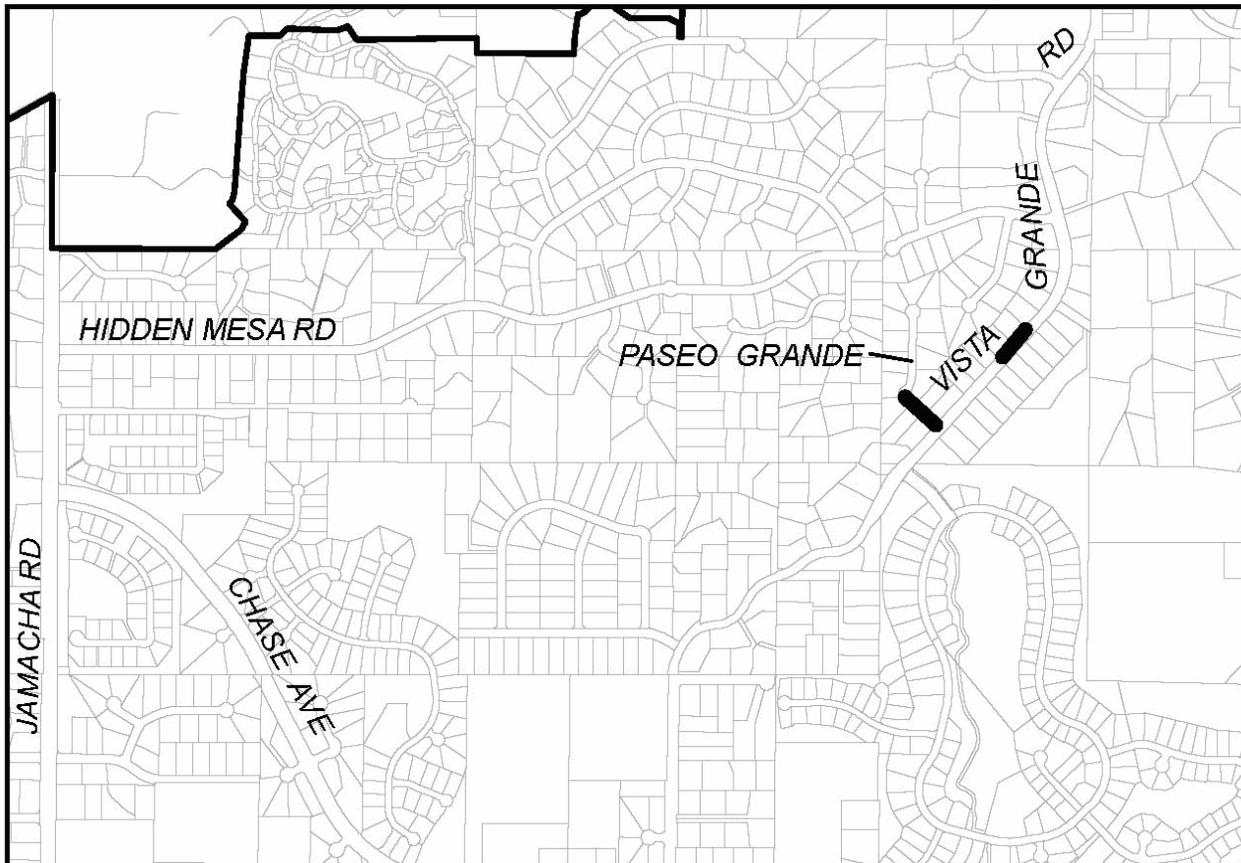
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
						\$0

**PROJECT LOCATION:**

**Thomas Bros. Map: 1272**

**OWD Map Book: 369**



**Submitted By:** Kevin Cameron

**Date:** 02/08/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2282**

**PROJECT TITLE: Vehicle Capital Purchases**

<b>PROJECT MANAGER:</b>	Rahders	<b>DIRECTOR DIVISION:</b>	
<b>ORIGINAL APPROVED DATE:</b>	6/3/1996	<b>I.D. LOCATION:</b>	
<b>RELATED CIP PROJECTS:</b>		<b>PRIORITY:</b>	1
		<b>BUDGET AMOUNT:</b>	\$5,346,000

**DESCRIPTION OF PROJECT:**

This project provides funding for capital purchase of various vehicles for daily Otay WD functions.

**JUSTIFICATION OF PROJECT:**

Replacements or newly acquired vehicles will be used for operational and administrative functions throughout the entire Otay WD.

**COMMENTS:**

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
\$2,501	\$395	\$640	\$520	\$470	\$420	\$400	\$5,346

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2282**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>	12/00	06/17	\$5,346
<b>DESIGN:</b>			
<b>CONSTRUCTION:</b>			

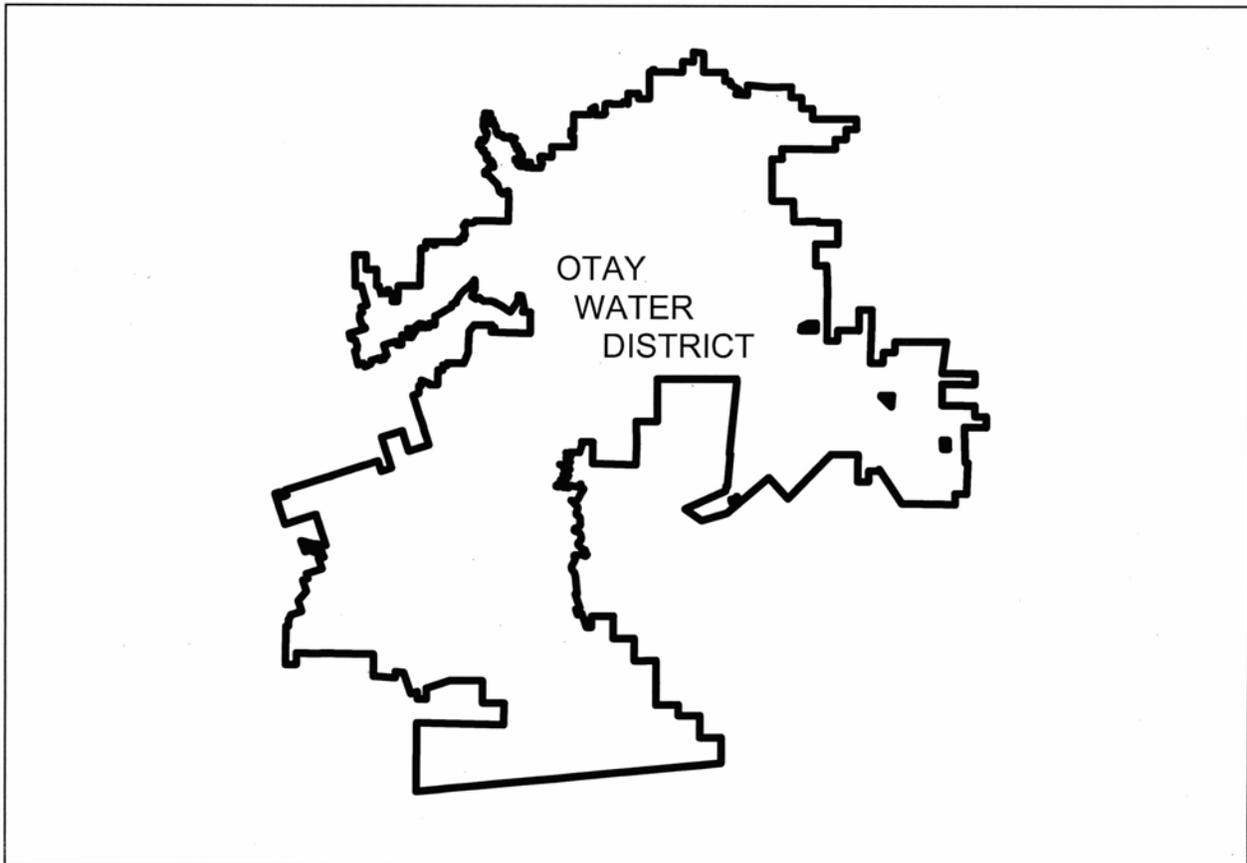
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
2012	2013	2014	2015	2016	2017	
						\$0

**PROJECT LOCATION:**

**Thomas Bros. Map:**

**OWD Map Book:**



**Submitted By:** Doug Rahders

**Date:** 02/25/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2285**

**PROJECT TITLE:** Office Equipment and Furniture Capital Purchases

<b>PROJECT MANAGER:</b>	Dobrawa	<b>DIRECTOR DIVISION:</b>	
<b>ORIGINAL APPROVED DATE:</b>	6/3/1996	<b>I.D. LOCATION:</b>	
<b>RELATED CIP PROJECTS:</b>		<b>PRIORITY:</b>	1
		<b>BUDGET AMOUNT:</b>	\$571,000

**DESCRIPTION OF PROJECT:**

This project provides funding for capital purchase of various office equipment and furniture items used for daily Otay WD functions.

**JUSTIFICATION OF PROJECT:**

Replacements or new acquisitions of office equipment and furniture will be used for operational and administrative functions throughout the entire Otay WD.

**COMMENTS:**

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
\$411	\$60	\$20	\$20	\$20	\$20	\$20	\$571

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2285**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>	12/00	06/17	\$571
<b>DESIGN:</b>			
<b>CONSTRUCTION:</b>			

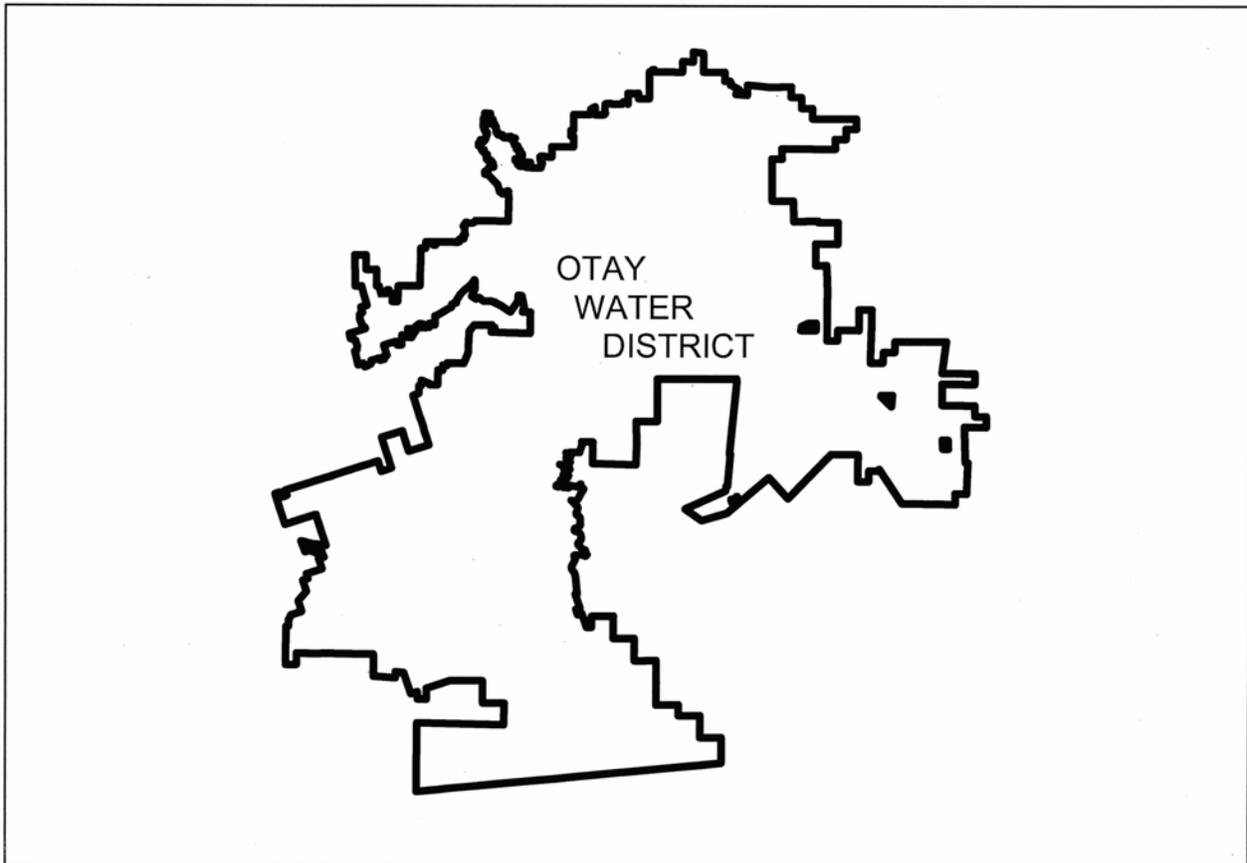
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
2012	2013	2014	2015	2016	2017	
						\$0

**PROJECT LOCATION:**

**Thomas Bros. Map:**

**OWD Map Book:**



**Submitted By:** Steve Dobrawa

**Date:** 03/18/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2286**

**PROJECT TITLE:** Field Equipment Capital Purchases

<b>PROJECT MANAGER:</b> Rahders	<b>DIRECTOR DIVISION:</b>
<b>ORIGINAL APPROVED DATE:</b> 6/3/1996	<b>I.D. LOCATION:</b>
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$1,668,000

**DESCRIPTION OF PROJECT:**

This project provides funding for capital purchase of various pieces of field equipment used for daily Otay WD functions.

**JUSTIFICATION OF PROJECT:**

Replacements or new acquisitions of field equipment will be used for operational functions throughout the entire Otay WD.

**COMMENTS:**

**FUND DETAIL:**

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund			100%	100%
<b>TOTAL:</b>			100%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2012	2013	2014	2015	2016	2017	TOTAL
\$976	\$278	\$100	\$90	\$75	\$74	\$75	\$1,668

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2286**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>	12/00	06/17	\$1,668
<b>DESIGN:</b>			
<b>CONSTRUCTION:</b>			

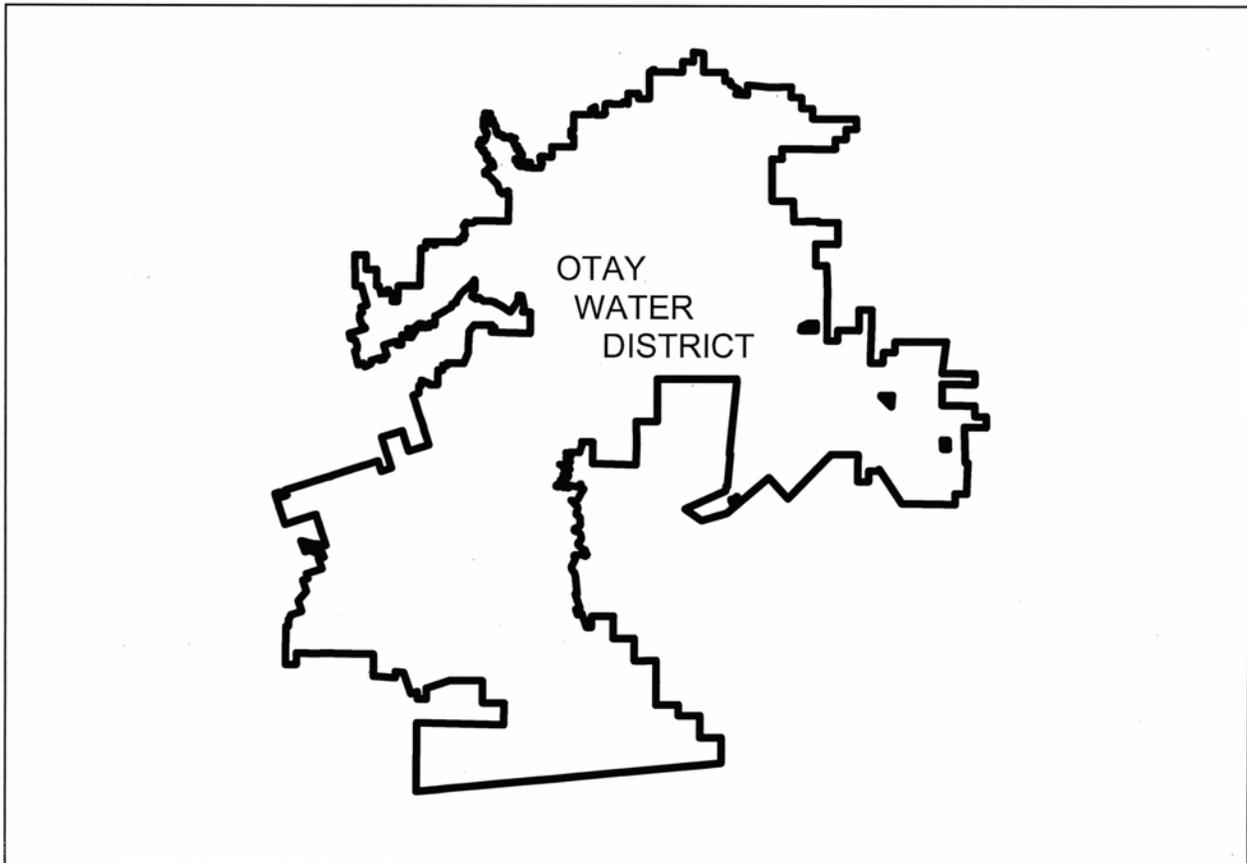
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
2012	2013	2014	2015	2016	2017	
						\$0

**PROJECT LOCATION:**

**Thomas Bros. Map:**

**OWD Map Book:**



**Submitted By:** Doug Rahders

**Date:** 02/25/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2443**

**PROJECT TITLE:** Information Technology Mobile Services

<b>PROJECT MANAGER:</b> Jenkins	<b>DIRECTOR DIVISION:</b>
<b>ORIGINAL APPROVED DATE:</b> 5/23/2005	<b>I.D. LOCATION:</b>
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$1,652,000

**DESCRIPTION OF PROJECT:**

This project will provide for the testing and integration of mobile data and information services to field staff members.

**JUSTIFICATION OF PROJECT:**

The Otay WD is implementing new work processes that will require field access to GIS data and support field automation such as GPS expansion. This project will ensure that the technology is appropriate and implemented in a planned and cost effective manner.

**COMMENTS:**

General Fund at 40% expansion and 60% replacement.

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
General Fund	40%		60%	100%
<b>TOTAL:</b>	40%		60%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
\$1,302	\$250	\$100	\$0	\$0	\$0	\$0	\$1,652

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2443**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>	07/05	06/13	\$1,652
<b>DESIGN:</b>			
<b>CONSTRUCTION:</b>			

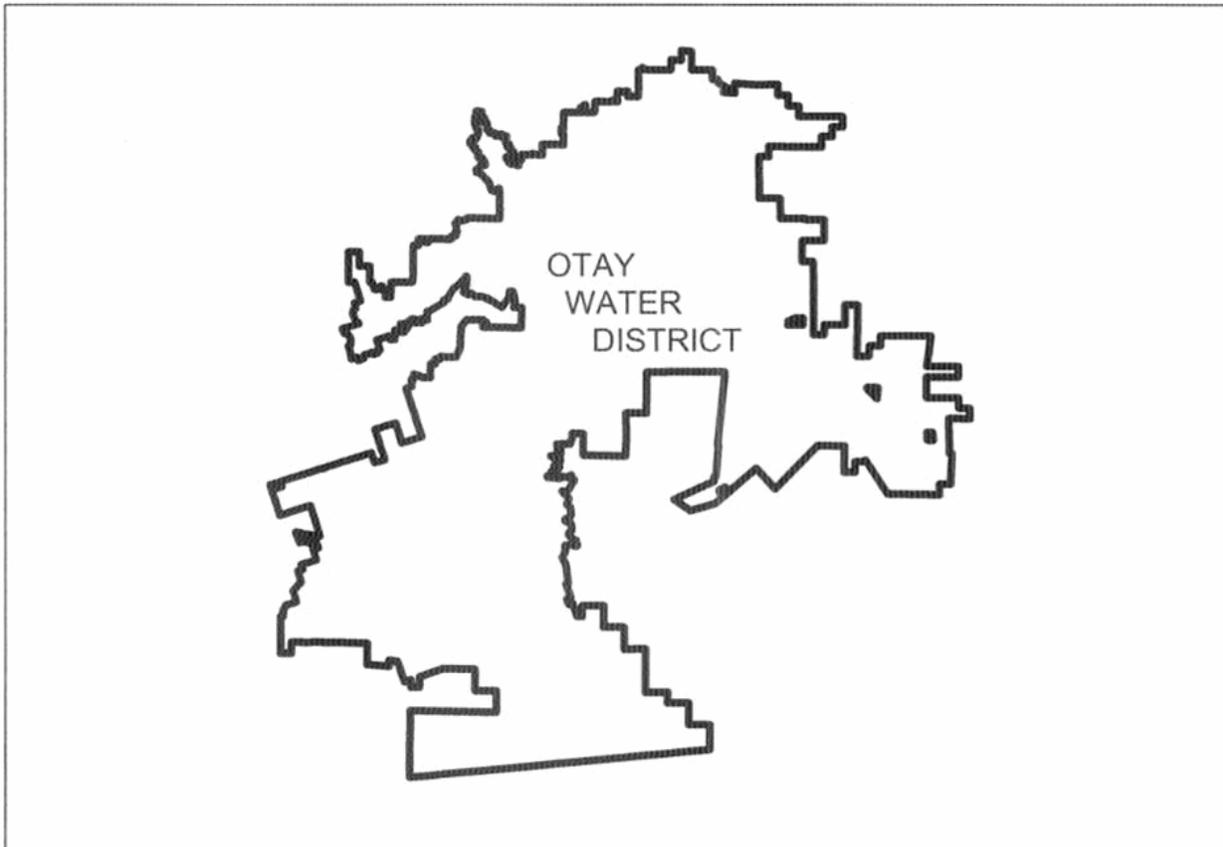
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
			\$18,000	\$18,500	\$19,100	\$55,600

**PROJECT LOCATION:**

**Thomas Bros. Map:**

**OWD Map Book:**



**Submitted By:** Bill Jenkins

**Date:** 02/28/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2461**

**PROJECT TITLE:** Records Management System Upgrade

<b>PROJECT MANAGER:</b> Stevens	<b>DIRECTOR DIVISION:</b>
<b>ORIGINAL APPROVED DATE:</b> 5/29/2007	<b>I.D. LOCATION:</b>
<b>RELATED CIP PROJECTS:</b>	<b>PRIORITY:</b> 1
	<b>BUDGET AMOUNT:</b> \$506,000

**DESCRIPTION OF PROJECT:**

This project will continue with the expansion of the current records management system to capture existing paper records, scan, categorize, and expand scanning capabilities to all Otay WD departments. This includes software licenses, software, and implementation costs for the enterprise records software.

**JUSTIFICATION OF PROJECT:**

This project is required to achieve strategic objectives for business process improvements. Also, required to meet demands for business backup and recovery goals.

**COMMENTS:**

General Fund at 40% expansion and 60% replacement.

**FUND DETAIL:**

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund	40%		60%	100%
<b>TOTAL:</b>	40%		60%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2012	2013	2014	2015	2016	2017	TOTAL
\$406	\$100	\$0	\$0	\$0	\$0	\$0	\$506

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2461**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>	07/07	06/12	\$506
<b>DESIGN:</b>			
<b>CONSTRUCTION:</b>			

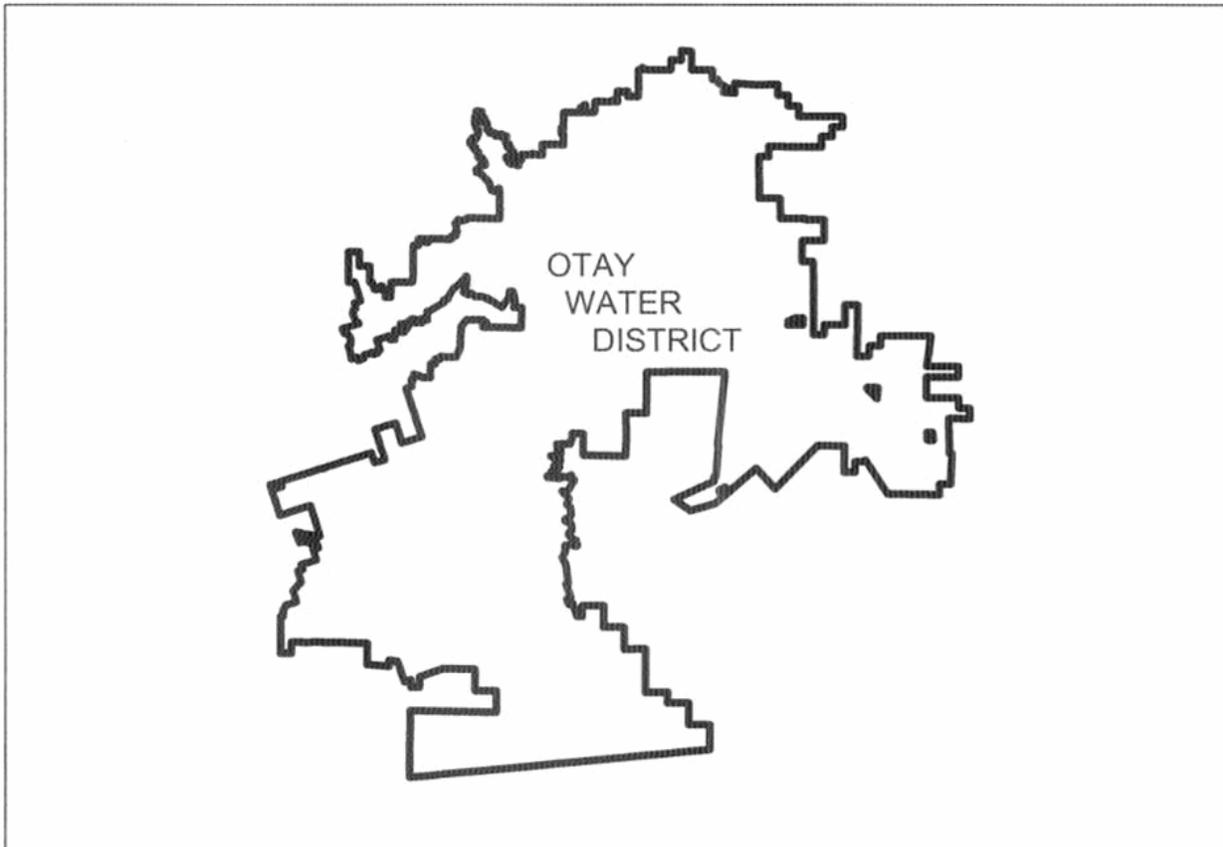
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
2012	2013	2014	2015	2016	2017	
						\$0

**PROJECT LOCATION:**

**Thomas Bros. Map:**

**OWD Map Book:**



**Submitted By:** Geoff Stevens

**Date:** 02/28/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2469**

**PROJECT TITLE:** Information Technology Network and Hardware

<b>PROJECT MANAGER:</b>	Jenkins	<b>DIRECTOR DIVISION:</b>	
<b>ORIGINAL APPROVED DATE:</b>	6/23/2008	<b>I.D. LOCATION:</b>	
<b>RELATED CIP PROJECTS:</b>		<b>PRIORITY:</b>	1
		<b>BUDGET AMOUNT:</b>	\$2,173,000

**DESCRIPTION OF PROJECT:**

This project is to provide hardware and operating system improvements to the data center, network, and communications infrastructure.

**JUSTIFICATION OF PROJECT:**

The network facilities require additions of hardware and software to meet new demands. These needs support OIS, network switch, and servers.

**COMMENTS:**

General Fund at 40% expansion and 60% replacement.

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
General Fund	40%		60%	100%
<b>TOTAL:</b>	40%		60%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
\$963	\$460	\$300	\$250	\$200	\$0	\$0	\$2,173

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2469**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>	07/08	06/15	\$2,173
<b>DESIGN:</b>			
<b>CONSTRUCTION:</b>			

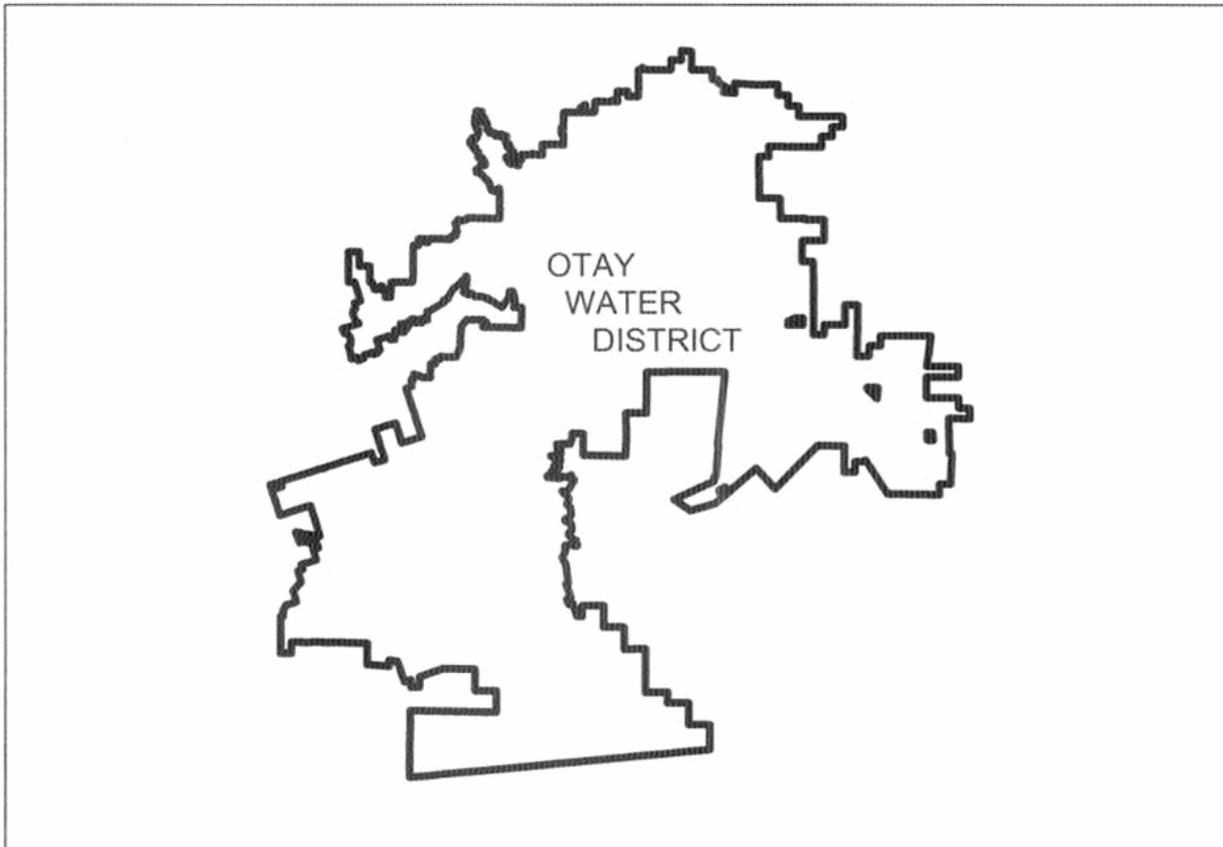
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
2012	2013	2014	2015	2016	2017	\$0

**PROJECT LOCATION:**

**Thomas Bros. Map:**

**OWD Map Book:**



**Submitted By:** Bill Jenkins

**Date:** 02/28/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2470**

**PROJECT TITLE:** Application Systems Development and Integration

<b>PROJECT MANAGER:</b>	Stevens	<b>DIRECTOR DIVISION:</b>	
<b>ORIGINAL APPROVED DATE:</b>	6/23/2008	<b>I.D. LOCATION:</b>	
<b>RELATED CIP PROJECTS:</b>		<b>PRIORITY:</b>	1
		<b>BUDGET AMOUNT:</b>	\$2,448,000

**DESCRIPTION OF PROJECT:**

This project is for to develop enhancements and new integration functionality for Eden, GIS, IMS, and related core application systems.

**JUSTIFICATION OF PROJECT:**

New business processes and enhanced capabilities require current systems to be modified to achieve required integration.

**COMMENTS:**

General Fund at 40% expansion and 60% replacement.

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
General Fund	40%		60%	100%
<b>TOTAL:</b>	40%		60%	100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
\$1,218	\$430	\$200	\$200	\$200	\$200	\$0	\$2,448

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2470**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>	07/08	06/16	\$2,448
<b>DESIGN:</b>			
<b>CONSTRUCTION:</b>			

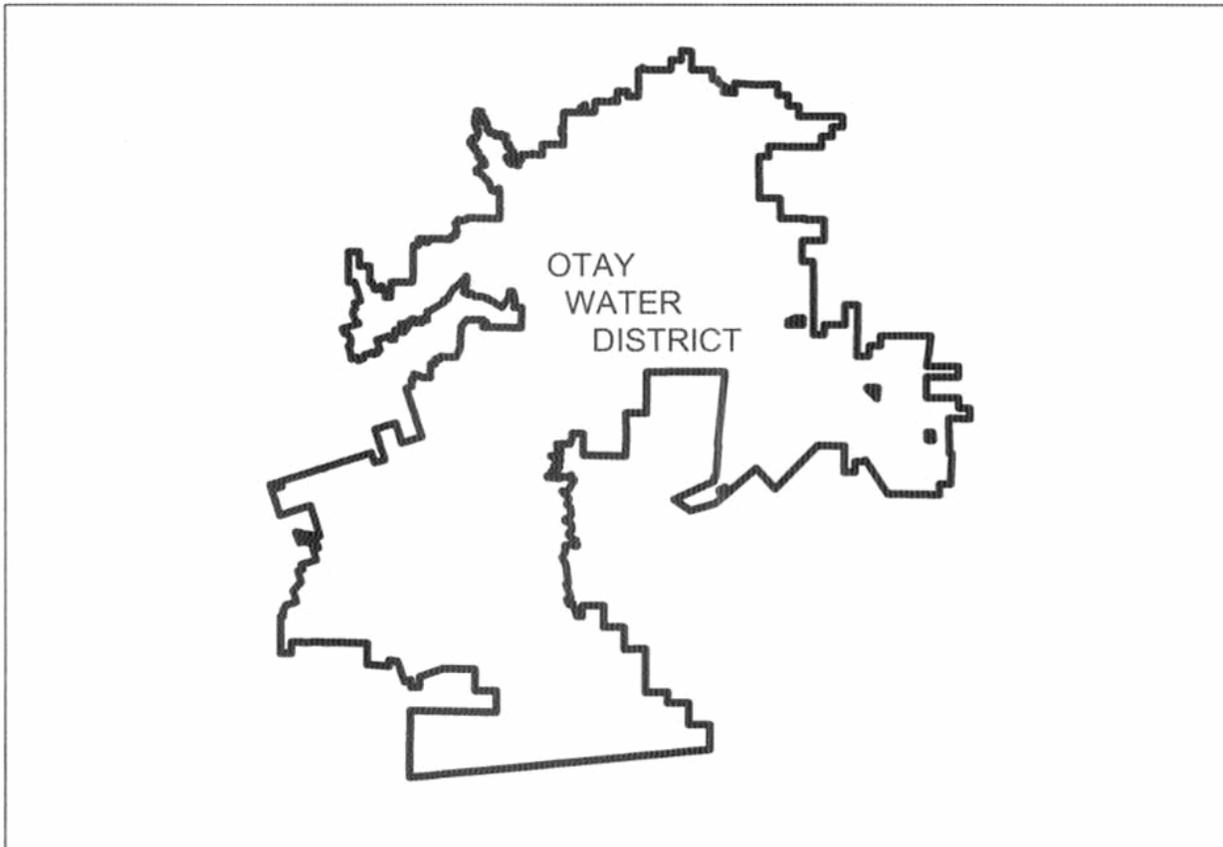
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
2012	2013	2014	2015	2016	2017	
						\$0

**PROJECT LOCATION:**

**Thomas Bros. Map:**

**OWD Map Book:**



**Submitted By:** Geoff Stevens

**Date:** 02/28/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2325**

**PROJECT TITLE:** PL - 10" to 12" Oversize, 1296 Zone, PB Road - Rolling Hills Hydro PS/PB Bndy

<b>PROJECT MANAGER:</b>	Charles	<b>DIRECTOR DIVISION:</b>	4
<b>ORIGINAL APPROVED DATE:</b>	6/7/2000	<b>I.D. LOCATION:</b>	22
<b>RELATED CIP PROJECTS:</b>		<b>PRIORITY:</b>	2
		<b>BUDGET AMOUNT:</b>	\$50,000

**DESCRIPTION OF PROJECT:**

Construction of approximately 6,900 feet of 12-inch pipeline within the 1296 Pressure Zone from the Rolling Hills Hydropneumatic Pump Station to the future 1296 Reservoir. A portion of the project will be constructed by the developer and is subject to reimbursement at actual cost for the oversize portion per Board policy.

**JUSTIFICATION OF PROJECT:**

This project will provide transmission capacity for development of Rolling Hills Ranch, Bello Lago, and possible future adjacent areas within the Rolling Hills Hydropneumatic Pressure Zone.

**COMMENTS:**

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
I.D. 22	100%			100%
<b>TOTAL:</b>	100%			100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
	\$1	\$49	\$0	\$0	\$0	\$0	\$50

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: P2325**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>	07/04	08/04	\$2
<b>DESIGN:</b>	09/04	12/04	\$6
<b>CONSTRUCTION:</b>	01/10	06/13	\$42

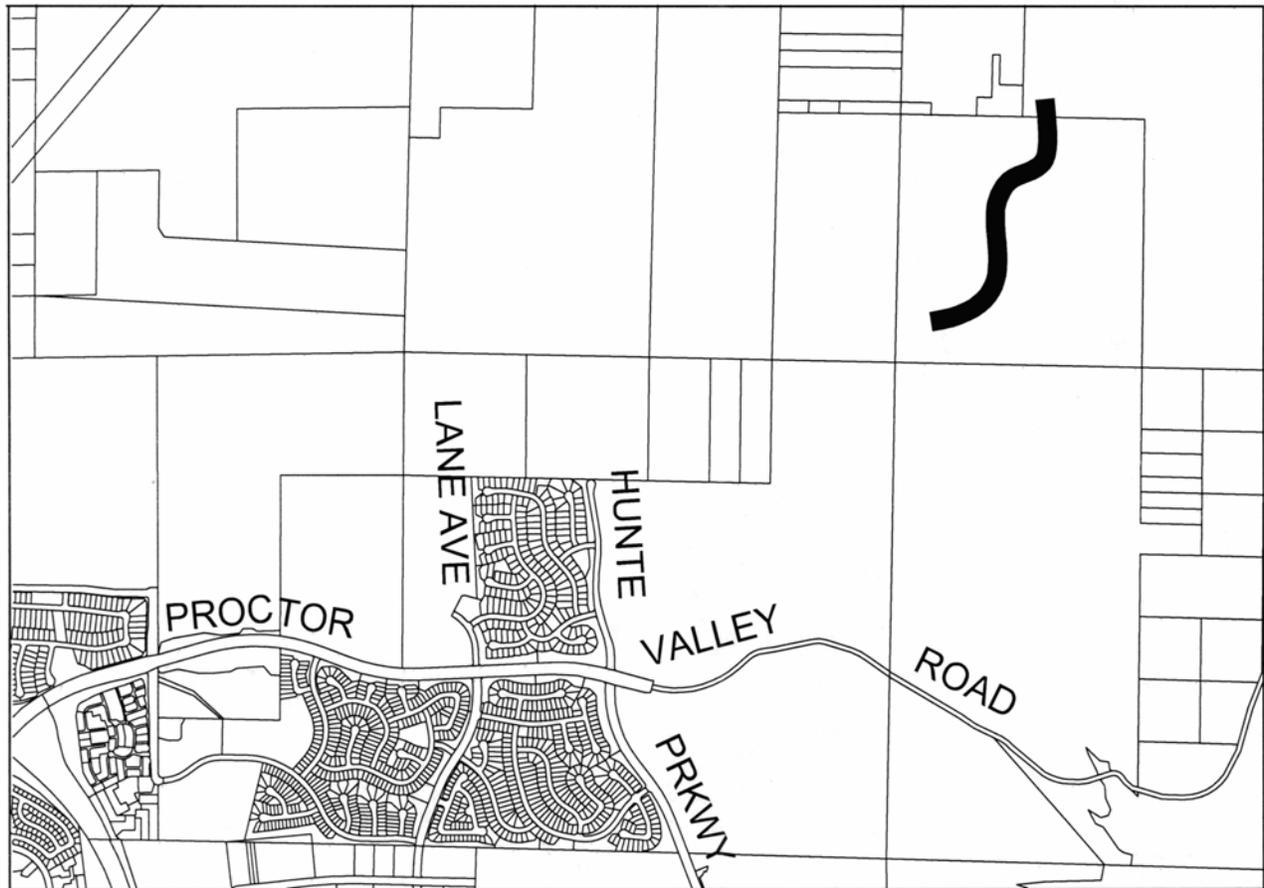
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
		\$2,300	\$2,400	\$2,500	\$2,600	\$9,800

**PROJECT LOCATION:**

**Thomas Bros. Map: 1311**

**OWD Map Book: 160**



**Submitted By:** David Charles

**Date:** 02/25/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: R2082**

**PROJECT TITLE:** RecPL - 24-Inch, 680 Zone, Olympic Parkway - Village 2/Heritage

<b>PROJECT MANAGER:</b> Charles	<b>DIRECTOR DIVISION:</b> 1
<b>ORIGINAL APPROVED DATE:</b> 6/2/2004	<b>I.D. LOCATION:</b> 22
<b>RELATED CIP PROJECTS:</b> R2083	<b>PRIORITY:</b> 2
	<b>BUDGET AMOUNT:</b> \$1,747,000

**DESCRIPTION OF PROJECT:**

Construction of approximately 3,500 feet of 24-inch pipeline within the 680 Pressure Zone in Olympic Parkway through Village 2 to Heritage Road. Portions of this project will be constructed by developers and these are subject to reimbursement at actual cost per Board policy.

**JUSTIFICATION OF PROJECT:**

This project will provide transmission capacity for the recycled water supply pumped from the 680-1 Pump Station to the 680 and higher pressure zones. Significant energy savings will occur due to lower total dynamic head requirements for the 680-1 Pump Station.

**COMMENTS:**

Funding opportunity is the United States Bureau of Reclamation Water Reclamation and Reuse Program, Title XVI of P.L. 102-575.

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
Recycled	100%			100%
<b>TOTAL:</b>	100%			100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
\$1	\$1	\$4	\$795	\$946	\$0	\$0	\$1,747

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: R2082**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>	07/04	06/06	\$32
<b>DESIGN:</b>	07/06	12/06	\$88
<b>CONSTRUCTION:</b>	07/13	06/15	\$1,627

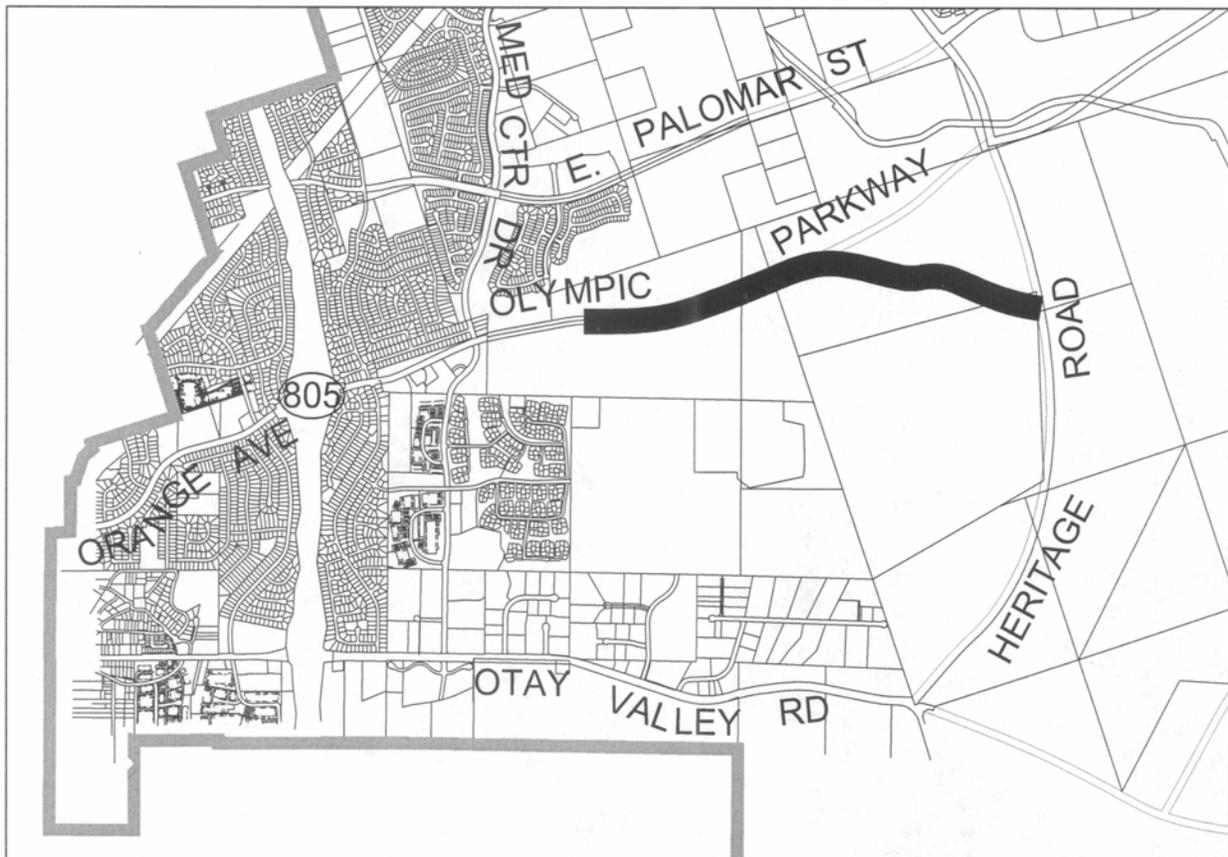
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
				\$1,200	\$1,200	\$2,400

**PROJECT LOCATION:**

**Thomas Bros. Map: 1331**

**OWD Map Book: 82**



**Submitted By:** David Charles

**Date:** 02/25/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: R2083**

**PROJECT TITLE:** RecPL - 20-Inch, 680 Zone, Heritage Road - Village 2/Olympic

<b>PROJECT MANAGER:</b> Charles	<b>DIRECTOR DIVISION:</b> 1
<b>ORIGINAL APPROVED DATE:</b> 6/2/2004	<b>I.D. LOCATION:</b> 22
<b>RELATED CIP PROJECTS:</b> R2082, R2084	<b>PRIORITY:</b> 2
	<b>BUDGET AMOUNT:</b> \$400,000

**DESCRIPTION OF PROJECT:**

Construction of approximately 2,200 feet of 20-inch pipeline within the 680 Pressure Zone in Heritage Road through Village 2 to Olympic Parkway. This project will be constructed by developers and is subject to reimbursement at actual cost per Board policy.

**JUSTIFICATION OF PROJECT:**

This project will provide transmission capacity for the recycled water supply pumped from the 680-1 Pump Station to the 680 and higher pressure zones. Significant energy savings will occur due to lower total dynamic head requirements for the 680-1 Pump Station.

**COMMENTS:**

Funding opportunity is the United States Bureau of Reclamation Water Reclamation and Reuse Program, Title XVI of P.L. 102-575.

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
Recycled	100%			100%
<b>TOTAL:</b>	100%			100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
	\$1	\$4	\$395	\$0	\$0	\$0	\$400

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: R2083**

**PROJECT SCHEDULE:**

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/04	06/06	\$16
DESIGN:	07/06	12/06	\$44
CONSTRUCTION:	07/12	06/14	\$340

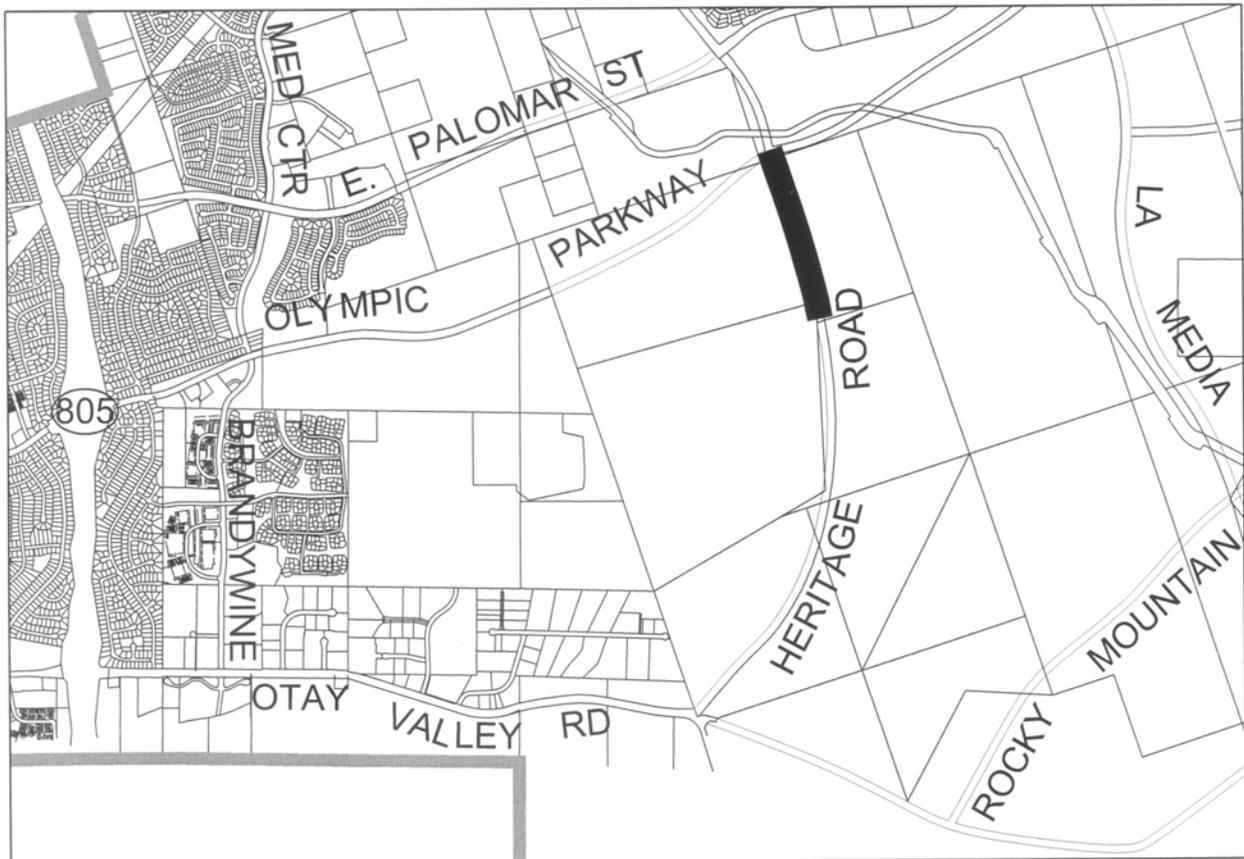
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

FY	FY	FY	FY	FY	FY	TOTAL
2012	2013	2014	2015	2016	2017	
			\$700	\$700	\$700	\$2,100

**PROJECT LOCATION:**

Thomas Bros. Map: 1331

OWD Map Book: 82



Submitted By: David Charles

Date: 02/25/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: R2084**

**PROJECT TITLE:** RecPL - 20-Inch, 680 Zone, Village 2 - Heritage/La Media

<b>PROJECT MANAGER:</b> Charles	<b>DIRECTOR DIVISION:</b> 1
<b>ORIGINAL APPROVED DATE:</b> 6/2/2004	<b>I.D. LOCATION:</b> 22
<b>RELATED CIP PROJECTS:</b> R2083, R2085	<b>PRIORITY:</b> 3
	<b>BUDGET AMOUNT:</b> \$971,000

**DESCRIPTION OF PROJECT:**

Construction of approximately 5,700 feet of 20-inch pipeline within the 680 Pressure Zone in Village 2 from Heritage Road to La Media Road in two phases. This project will be constructed by developers and is subject to reimbursement at actual cost per Board policy.

**JUSTIFICATION OF PROJECT:**

This project will provide transmission capacity for the recycled water supply pumped from the 680-1 Pump Station to the 680 and higher pressure zones. Significant energy savings will occur due to lower total dynamic head requirements for the 680-1 Pump Station.

**COMMENTS:**

Funding opportunity is the United States Bureau of Reclamation Water Reclamation and Reuse Program, Title XVI of P.L. 102-575.

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
Recycled	100%			100%
<b>TOTAL:</b>	100%			100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
\$1	\$1	\$74	\$75	\$350	\$470	\$0	\$971

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: R2084**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>	07/04	06/06	\$17
<b>DESIGN:</b>	07/06	12/06	\$47
<b>CONSTRUCTION:</b>	07/14	06/16	\$907

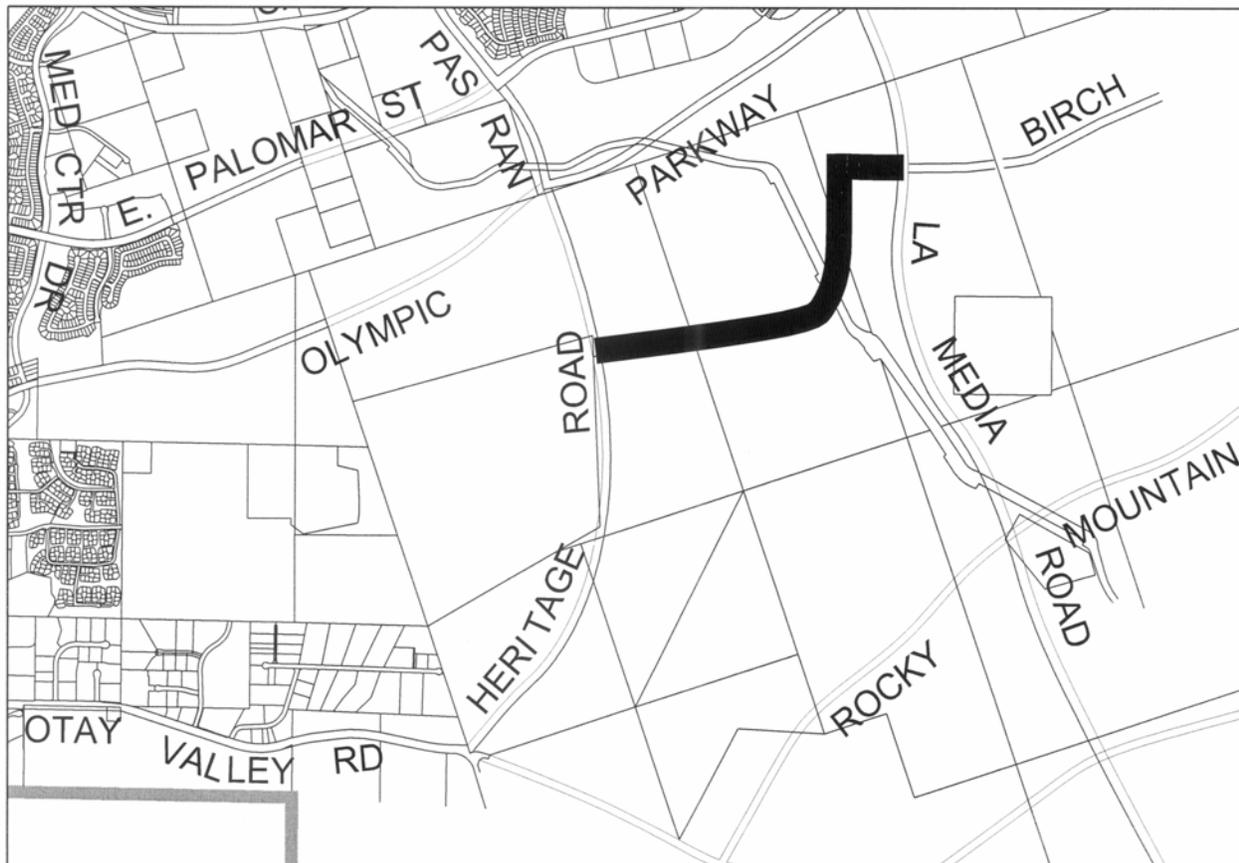
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
					\$1,900	\$1,900

**PROJECT LOCATION:**

**Thomas Bros. Map: 1331**

**OWD Map Book: 82**



**Submitted By:** David Charles

**Date:** 02/25/2011

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: R2085**

**PROJECT TITLE:** RecPL - 20-Inch, 680 Zone, La Media - State/Olympic

<b>PROJECT MANAGER:</b> Charles	<b>DIRECTOR DIVISION:</b> 1
<b>ORIGINAL APPROVED DATE:</b> 6/2/2004	<b>I.D. LOCATION:</b> 22
<b>RELATED CIP PROJECTS:</b> R2084	<b>PRIORITY:</b> 3
	<b>BUDGET AMOUNT:</b> \$600,000

**DESCRIPTION OF PROJECT:**

Construction of approximately 3,800 feet of 20-inch pipeline within the 680 Pressure Zone in La Media Road from the high school site to Olympic Parkway. This project will be constructed by developers and is subject to reimbursement at actual cost per Board policy.

**JUSTIFICATION OF PROJECT:**

This project will provide transmission capacity for the recycled water supply pumped from the 680-1 Pump Station to the 680 and higher pressure zones. Significant energy savings will occur due to lower total dynamic head requirements for the 680-1 Pump Station.

**COMMENTS:**

Funding opportunity is the United States Bureau of Reclamation Water Reclamation and Reuse Program, Title XVI of P.L. 102-575.

**FUND DETAIL:**

<b>FUNDING SOURCE:</b>	<b>Expansion</b>	<b>Betterment</b>	<b>Replacement</b>	<b>Total</b>
Recycled	100%			100%
<b>TOTAL:</b>	100%			100%

**EXPENDITURE SCHEDULE (X \$1,000):**

<b>PRIOR YEARS:</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	
<b>TOTAL</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>TOTAL</b>
	\$1	\$1	\$580	\$18	\$0	\$0	\$600

**OTAY WATER DISTRICT  
CAPITAL IMPROVEMENT PROGRAM**

**CIP Number: R2085**

**PROJECT SCHEDULE:**

<b>PROJECT PHASE:</b>	<b>ESTIMATED START DATE:</b>	<b>ESTIMATED FINISH DATE:</b>	<b>ESTIMATED COST (X \$1,000):</b>
<b>PLANNING:</b>	07/04	06/06	\$24
<b>DESIGN:</b>	07/06	12/06	\$66
<b>CONSTRUCTION:</b>	07/14	06/15	\$510

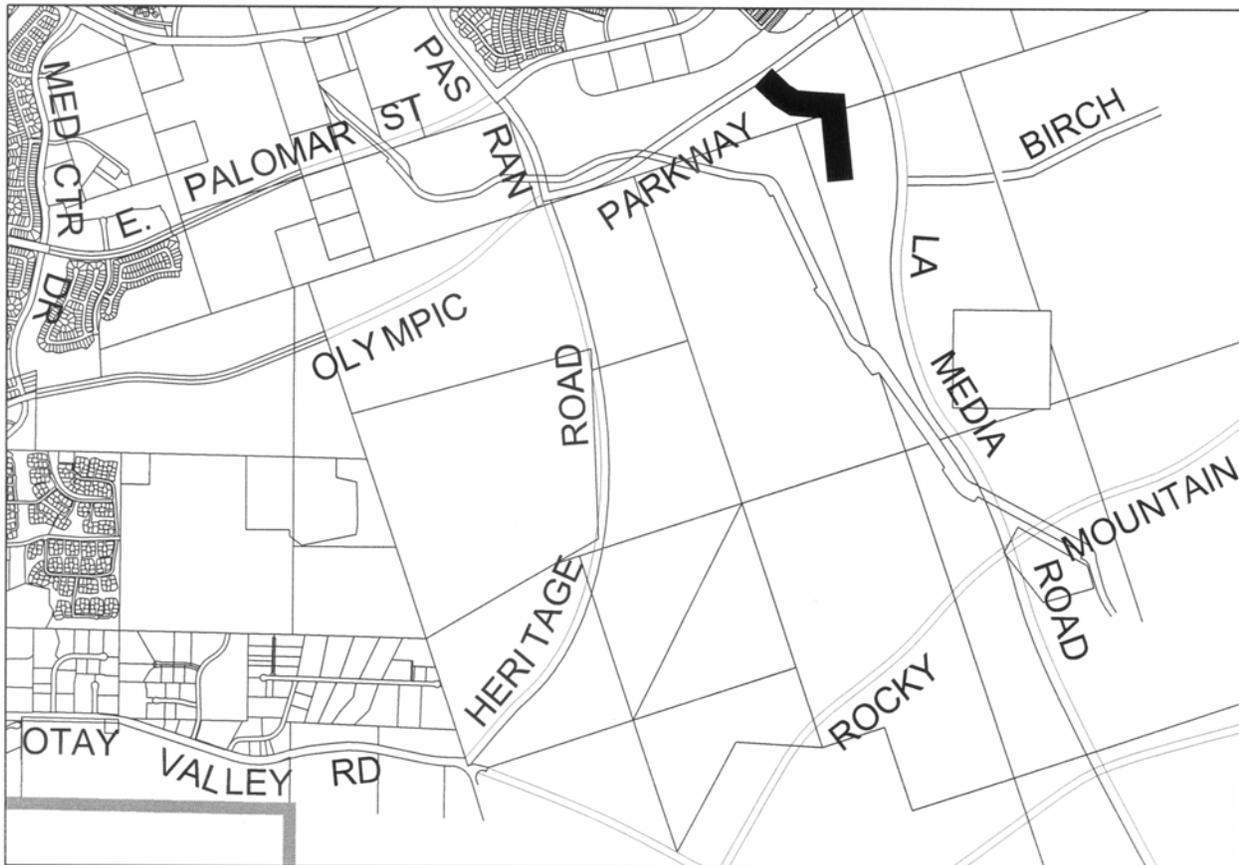
**PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):**

<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>FY</b>	<b>TOTAL</b>
<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	
				\$1,300	\$1,300	\$2,600

**PROJECT LOCATION:**

**Thomas Bros. Map: 1331**

**OWD Map Book: 82**



**Submitted By:** David Charles

**Date:** 02/25/2011

# *Water Meter Capacity Fees*

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Effective 7/1/11

<b>NAME</b>	<b>IMPROVEMENT DISTRICT (ID)</b>	<b>CAPACITY FEE</b>	<b>TOTAL CHARGE</b>
Capacity Fee Section 28.01	1,2,3,5,7,10,19,20,22,25,27	\$7,709	\$7,709
Triad Capacity Fee	ID 22/27-BASE	\$5,769	\$5,769
New Water Supply Fee			\$888

Note: This is based on a 3/4 inch water meter. For a full listing of fees per meter size visit the District's website at: [www.otaywater.gov](http://www.otaywater.gov), Engineering, Public Services, General District's Fees and Deposits (Form K).

# Glossary

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The Capital Budget contains terminology that is unique to public finance and budgeting. The following budget glossary provides assistance in understanding these terms.

Acre-Foot: The volume of water that will cover one acre to a depth of one foot. One acre-foot equals 435.6 units or 325,850 gallons.

Annexation Fees: Whenever water service is requested for land outside the boundaries of the District it must first be annexed into the District. The annexation fee for water service was set at \$1,477 per EDU on July 1, 2009. Whenever sewer service is requested for land outside the boundaries of an improvement district (ID) it must first be annexed into the ID. The fee for sewer annexation was set at \$3,819 on December 16, 1998. These base rates are adjusted quarterly according to a cost of living index. The rates as of July 1, 2011 are \$1,518 and \$5,602 for water and sewer, respectively.

Assets: Resources owned or held by the District that have monetary value.

Availability Fees: The District levies charges each year in developed areas to be used for general purposes for construction of facilities, and in undeveloped areas to provide a source of funding for planning, mapping, and preliminary design of facilities to meet future development. Current legislation provides that any availability charge in excess of \$10.00 per acre shall be restricted only for the purpose of constructing facilities in the improvement district for which it was assessed.

Betterment Fees: In addition to other applicable water rates and charges, certain water customers pay a fee based on water service zone or improvement district. These are restricted for the use in the area where they are collected and may be used for the construction and maintenance of facilities.

Betterment Fees for Maintenance: The Operating Budget earns betterment fees for maintenance work performed on infrastructure within special betterment zones, where fees are collected for the construction and maintenance of these specific assets.

Capacity Fee: A connection fee is charged when a new water meter is placed into service. This fee is based on the estimated construction cost of expansion of the system to meet the needs of all future customers. This fee covers the cost including, but is not limited to, planning, design, construction, and financing of expansion of the system.

Capacity Fee Revenues: These fees are earned by the Operating Budget as the Engineering Department supports expansion functions.

# Glossary

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**Capital Budget:** The portion of the annual budget that appropriates funds for the purchase of capital equipment items and capital improvements. These expenditures are separated from regular operating items, such as salaries, utilities and office supplies. The Capital Budget includes funds for capital equipment purchases over \$10,000, such as vehicles, furniture, machinery, microcomputers and special tools or \$20,000 for infrastructure related items, which are distinguished from operating items according to their value and projected useful life.

**Capital Equipment:** Fixed assets such as vehicles, marine equipment, computers, furniture, technical instruments, etc. which have a life expectancy of more than two years and a value over \$10,000 or \$20,000 for infrastructure related items (this may not extend useful life of the infrastructure, but without it, the whole asset is rendered useless).

**Capital Improvement Program:** A long-range plan of the District for the construction, rehabilitation and modernization of the District-owned and operated infrastructure.

**CWA:** The County Water Authority was organized in 1944 under the State County Water Authority Act for the primary purpose of importing Colorado River water to augment the local water supplies of the Authority's member agencies. The Authority purchases water from MWD which imports water from the Colorado River and the State Water Project.

**Debt Service:** The District's obligation to pay the principal and interest of bonds and other debt instruments according to a predetermined payment schedule.

**Desalination:** The removal of dissolved minerals (including salts) from seawater or brackish water. Engineered water desalination processes, which produce potable water from seawater or brackish water, have become important because many regions throughout the world suffer from water shortages.

**Expenditures/Expenses:** These terms refer to the outflow of funds paid or to be paid for an asset, goods or services obtained regardless of when actually paid for. (Note: An encumbrance is not expenditure). An encumbrance reserves funds to be expended in a future period.

**Fiscal Year:** Twelve-month term designating the beginning and ending period for recording financial transactions. The District has specified July 1 to June 30 as its fiscal year.

**Grants:** Contributions or gifts of cash or other assets from another governmental agency to be used or expended for a specified purpose, activity, or facility. Capital grants are restricted by the grantor for the acquisition and/or construction of fixed assets. Operating grants are restricted by the grantor for operating purposes or may be used for either capital or operating purposes at the discretion of the grantee.

**Interest Income:** Earnings from the investment portfolio. Per District Policy Number 25, interest income will be allocated to improvement districts each month based upon each fund's prior month-ending balance.

## *Glossary*

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Reserve Fund: The District maintains Reserve Funds per the District’s policy for both designated and restricted balances. Designated Reserve Funds are “general use” funds designated by the Board. Restricted reserves are those that are legally set aside for a particular purpose and cannot be used for any other purpose.

Water Capacity Fees: Charges paid by customers to connect to a District water system for potable or recycled water service. Fees are determined by multiplying the demand factor for the meter size by the total of the District-wide capacity fee and applicable zone charge

## *List of Acronyms*

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AF	Acre-Foot/Feet
AMR	Automated Meter Reader/Reading
APCD	Air Pollution Control District
ASCE	American Society of Civil Engineers
AWWA	American Water Works Association
CEQA	California Environmental Quality Act
CIP	Capital Improvement Program
CMAA	Construction Management Association of America
CSI	California Solar Initiative
CWA	County Water Authority (San Diego)
FCF	Flow Control Facility
FY	Fiscal Year
GAAP	Generally Accepted Accounting Principles
GIS	Geographic Information System
GPS	Global Positioning System
HWD	Helix Water District
ID	Improvement District
IID	Imperial Irrigation District
IMS	Infrastructure Management System
IRP	Integrated Water Resources Plan
LOPS	Lower Otay Pump Station
MBR	Membrane Bioreactor
MG	Million Gallons
MGD	Million Gallons per Day
MWD	Metropolitan Water District
O&M or O/M	Operations and Maintenance
OIS	Otay Information System
PB	Pacific Bay
PL	Pipeline
PS	Pump Station
RWCWRF	Ralph W. Chapman Water Recycling Facility
SANDAG	San Diego Association of Governments
SCADA	Supervisory Control and Data Acquisition
SDCWA	San Diego County Water Authority
SVSD	Spring Valley Sanitation District
VCP	Vitrified Clay Pipe
WD	Water District
WRMP	Water Resources Master Plan
WTP	Water Treatment Plant

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