



OTAY WATER DISTRICT

Capital Improvement Program Budget

Spring Valley, CA

Fiscal Year 2011-2016



Adopted Capital Improvement Program Budget

Fiscal Year 2011-2016

Board of Directors

President Jaime Bonilla
 Division 2

Vice President Jose Lopez
 Division 4

Treasurer Gary Croucher
 Division 3

 David Gonzalez Jr.
 Division 1

 Larry Breitfelder
 Division 1
 January 2003-July 2010

 Mark Robak
 Division 5



Native California Poppy - WaterSmart Flowers



Palo Verde Desert Museum - WaterSmart Tree

General Manager

Mark Watton

Management

German Alvarez
Assistant General Manager,
Finance and Administration

Manny Magana
Assistant General Manager,
Engineering and Operations

Joseph R. Beachem
Chief Financial Officer

Rod Posada
Chief of Engineering

ADOPTED CAPITAL IMPROVEMENT PROGRAM BUDGET FISCAL YEARS 2011-2016

TABLE OF CONTENTS

	<u>Page</u>
Letter of Transmittal	ii
 GENERAL INFORMATION	
Budget Guide	1
Otay Water District At-A-Glance	2
General Information	3
Financial Awards	4
Awards	5
Current Economic Conditions	7
The Future	8
Demographics	9
Organization Chart	10
CIP Budget Calendar	11
CIP Budget Process	12
Resolution No. 4159	14
 CAPITAL BUDGET SUMMARY	
Capital Improvement Program Narrative	16
Major CIP Projects	18
Flagship CIP Projects in Construction	19
CIP Reserve Funds	22
CIP Funding Source and Category	23
CIP Projects	24
CIP Justification and Impact on Operating Budget	26
CIP Project Schedule	28
Capital Purchases	30
 CIP PROJECTS	
CIP Project Sheet Description	31
CIP Project Index	33
Capital Facility Projects	35
Replacement/Renewal Projects	113
Capital Purchase Projects	177
Developer Reimbursement Projects	191
 APPENDIX	
Water Meter Capacity Fees	199
Glossary	200
List of Acronyms	203
Index	204



...Dedicated to Community Service

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

September 1, 2010

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 2011. This year's budget supports the management plan to finance all of the District's services and programs during the 2011 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 and inaction in the State Capitol to address the crisis in the Sacramento – San Joaquin Bay Delta, the source of 30% of our imported water.



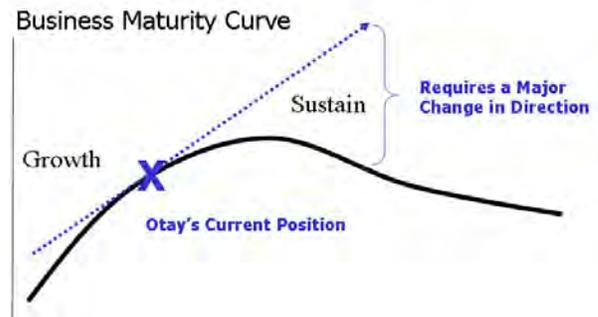
Given the continuing uncertain times and the demand by customers to keep rates low, the District must find the best solutions that balance the many expectations placed on it by its customers. The District is looking to do this while also meeting the expectation for continuous improvement.

The way we will achieve our mission in this challenging environment is to continue to improve all aspects of our core business processes. The tool we use to accomplish this goal is our Strategic Plan.

Our first Strategic Plan was created in 2003 and it has been updated every three years since that time. The District is now entering the third year of the 2009-2011 Strategic Plan. The goal of the plan is to capitalize on the technology investments we have made and to utilize those technologies as we continue to improve productivity and efficiency.

The Strategic Plan is focused on the District's transformation from a growth-centric to a maintenance-based organization. Where growth has been a significant focus in prior years, today we have become equally focused on managing long-term maintenance and replacement of infrastructure.

This 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, it must place greater emphasis on internal efficiency and the development of technology assisted best practices. In effect, we must use our investments in technology to do more with the same or fewer resources.



Today, the District provides water service to nearly 47,932 potable and 683 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 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 is nearing completion on a 5.1 mile, 36-inch diameter pipeline. Drinking water delivered by this new pipeline will be 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 \$76,993,900 for Fiscal Year 2011. Revenues from potable and recycled water are projected to be \$63,954,500, about \$122,500 (0.2%) less than the Fiscal Year 2010 budget. Water sales volumes are expected to decrease as a result of the slowing economy and expanded efforts to promote water conservation. Rate increases are therefore essential to offset the higher wholesale cost of water. Sewer revenues are projected to be \$2,270,500, about \$25,700 more than Fiscal Year 2010 because of necessary rate increases. The remaining revenue of \$10.8 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.
- An updated six-year Rate Model to ensure sound financial planning and reserve levels.
- Ongoing water supply rate increases of 12.2% from MWD and 11.3% from 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 166 full-time equivalent positions to 159. It has also cut operating expenditures by \$233,100 due to program funding changes and other discretionary spending cuts.
- Of San Diego County's 23 water agencies, Otay's water rate is the seventh-lowest and below the county-wide average.
- Expanded residential, landscape, and commercial water conservation programs.

The 2010-11 Capital Improvement Program (CIP) Budget consists of 82 projects and a budget of \$28.4 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 \$8.7 million compared to last year's projection, which is due to the completion of the Jamacha Pipeline Project.

The Future

The coming years will continue to pose challenges for those in California's water community. While the State of California received a 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, the source of 30% of our imported water. The political stalemate in the State Capitol has also made finding compromise or addressing the environmental issues in the Bay Delta difficult. These factors combined are driving the higher cost of water statewide.

However, 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 into 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 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, 2009. 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, 2009, as well as two awards from the California Society of Municipal Finance Officers (CSMFO) for *Excellence in Operating Budgeting* and *Excellence in Capital Budgeting*. These prestigious awards recognize conformance with the highest standards for preparation of state and local government financial reports.
- The Construction Management Association of America (CMAA) presented Otay Water District the *2010 Project Achievement Award for the 1296-3 Reservoir Project* (public works projects less than \$2.5 million). In addition, the Otay Water District and Infrastructure Engineering Corporation received the American Public Works Association (APWA) *2010 Project of the Year Award for the 640-1 and 640-2 Reservoirs*.
- The Otay Water District was presented with the *2010 Public Agency Partnership Award* from the Engineering and General Contractors Association, San Diego.

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.



Mark Watton, General Manager



General Information

CIP Budget Guide

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.

Otay Water District At-A-Glance

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 Otay Water District to supply 15 to 20 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 are set by five Directors, elected by voters in their respective geographic division, to serve staggered four-year terms on its governing board. The District is a "revenue neutral" public agency, meaning that each end-user pays only their fair share of the District's costs of water acquisitions and the operation and maintenance of the public facilities.

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 10.

General Information

For Fiscal Year 2011, the District will have a staff of 159 full-time equivalent employees under the leadership of the General Manager. The District provides water service to approximately 39% of its land area with a population of more than 206,000 people. This percentage increases as the District's service area continues to grow to ultimate build-out. The District is projected to deliver approximately 29,900 acre-feet of potable water to 48,060 potable customer accounts and to ultimately deliver 61,000 acre-feet of potable water to serve 295,000 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 0.3% for Fiscal Year 2011.

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 3,098 acre-feet per year of recycled water for Fiscal Year 2011, 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.

Financial Awards



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, 2009. 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.

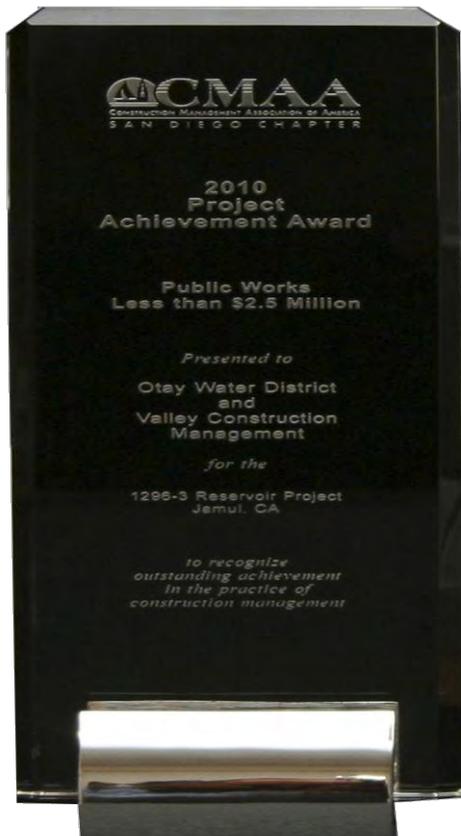
This award is valid for a period of one year only. We believe our current budget continues to conform to program requirements, and we are submitting it to GFOA to determine its eligibility for another award.

The California Society of Municipal Finance Officers (CSMFO) presented Otay Water District the Certificate of Award for *Excellence in Operating Budgeting for Fiscal Year 2009-2010*.



Awards

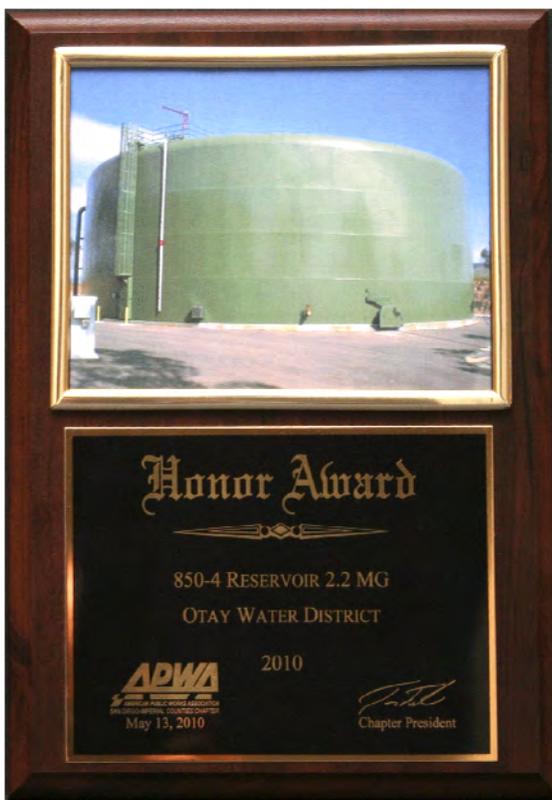
The California Society of Municipal Finance Officers (CSMFO) presented Otay Water District the Certificate of Award for *Excellence in Capital Budgeting for Fiscal Year 2009-2010*.



The Construction Management Association of America (CMAA) presented Otay Water District and Valley Construction Management the 2010 *Project Achievement Award for the 1296-3 Reservoir Project*.

Awards

The Public Works Association (APWA) presented Otay Water District and Infrastructure Engineering Corporation the *2010 Project of the Year Award for the 640-1 and 640-2 (10 MG) Reservoirs*.



The Public Works Association (APWA) presented Otay Water District the *2010 the Honor Award for the 850-4 (2.2 MG) Reservoir*.

Current Economic Conditions

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.

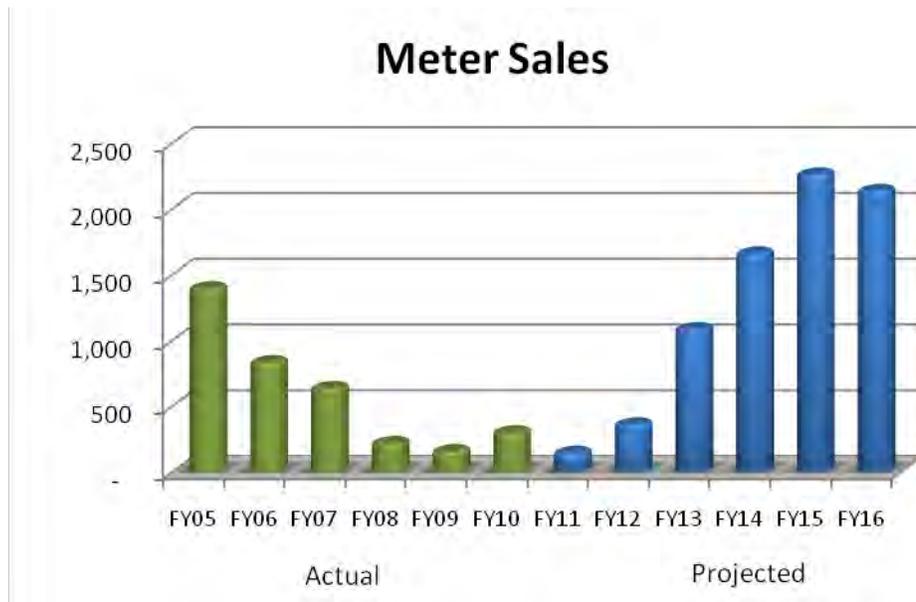
For several decades, the District has collected and recycled wastewater generated within the Jamacha drainage basin and pumped the recycled water south to the Salt Creek basin where it is used for irrigation and other non-potable uses. However, the demand for recycled water out-paced the supply, requiring 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 206,000 residents. In just the past seven years, the District has added more than 5,876 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 25 permits per month, and sold 302 water meters in Fiscal Year 2009-2010 compared to 158 last year.

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.



The Engineering Department projects that over the next six years the District will sell another 7,656 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

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.



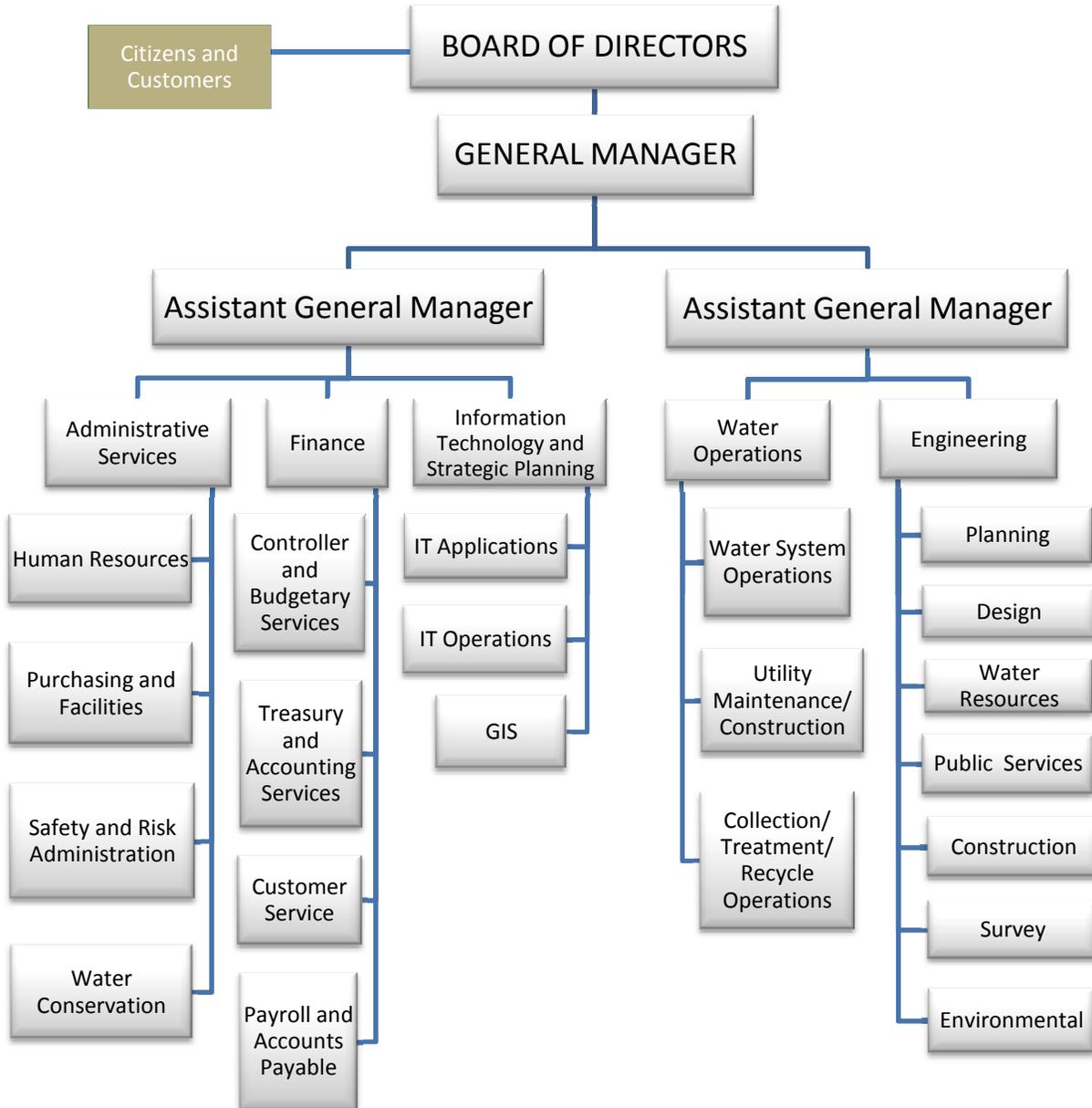
SANDAG creates and maintains a tremendous quantity of demographic, economic, land use, transportation and criminal justice information about the San Diego region. The demographic data include population characteristics like age, education, and employment. Because of the overlapping of the District's 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 233,108. This represents an increase of 149,181 in the past 29 years or a 177.7% increase, which correlates to the District's rapid growth for the same period.

The racial make up of Chula Vista is 51% Hispanic, 27% White, 14% Asian, 4% Black, and the remaining 7% is all other groups. The median household income for Chula Vista was \$74,881 in 2009, and 95% 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 12 and 13.

February 2, 2010	Budget workbooks and instructions for the Operating and Capital Budget are distributed to departments.
February 3, 2010 to February 19, 2010	<p>Departments begin CIP Budget Process which includes:</p> <ul style="list-style-type: none"> • Review existing FY 2010 CIP projects. • Remove any CIPs that are complete or will not be budgeted in the CIP budget the next six years. • Estimate the total project-to-date expenditures through 6/30/10 for each CIP. • Adjust the annual amount for the remaining CIPs when appropriate and include justification for the changes to each year's changes. • Develop CIP project cost and schedules, unless more specific information is available. • Submit new CIP projects for consideration.
March 11, 2010	Engineering Department reviews all CIP budget requests with Assistant General Manager and adjusts, if necessary.
March 12, 2010	Engineering reviews and prepares CIP budget and submits to Finance for review and to incorporate into rate model to determine proposed rates.
March 19, 2010	CIP budget presented to the General Manager for review and comments.
April 15, 2010	General Manager performs preliminary review of budget.
May 6, 2010	Final review of proposed budget and rates is done by the General Manager.
May 17, 2010	Board of Directors adopts Fiscal Year 2010-2011 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. Inflation 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.

CIP Budget Process

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 2011 fiscal year.

RESOLUTION NO. 4159

A RESOLUTION OF THE BOARD OF DIRECTORS OF
OTAY WATER DISTRICT ADOPTING THE
FISCAL YEAR 2010-2011
OPERATING AND CAPITAL BUDGET AND THE
PROPOSED WATER AND SEWER INCREASES AS
AMENDED IN APPENDIX A

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 2010-2011; 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 2010-2011 Operating and Capital Budget, have been reviewed and considered by the Board,

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 effective January 1, 2011.

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 2010-2011.

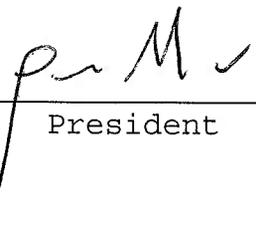
PASSED, APPROVED AND ADOPTED by the Board of Directors of Otay Water District at a special board meeting held this 17th day of May 2010, by the following vote:

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

ATTEST:

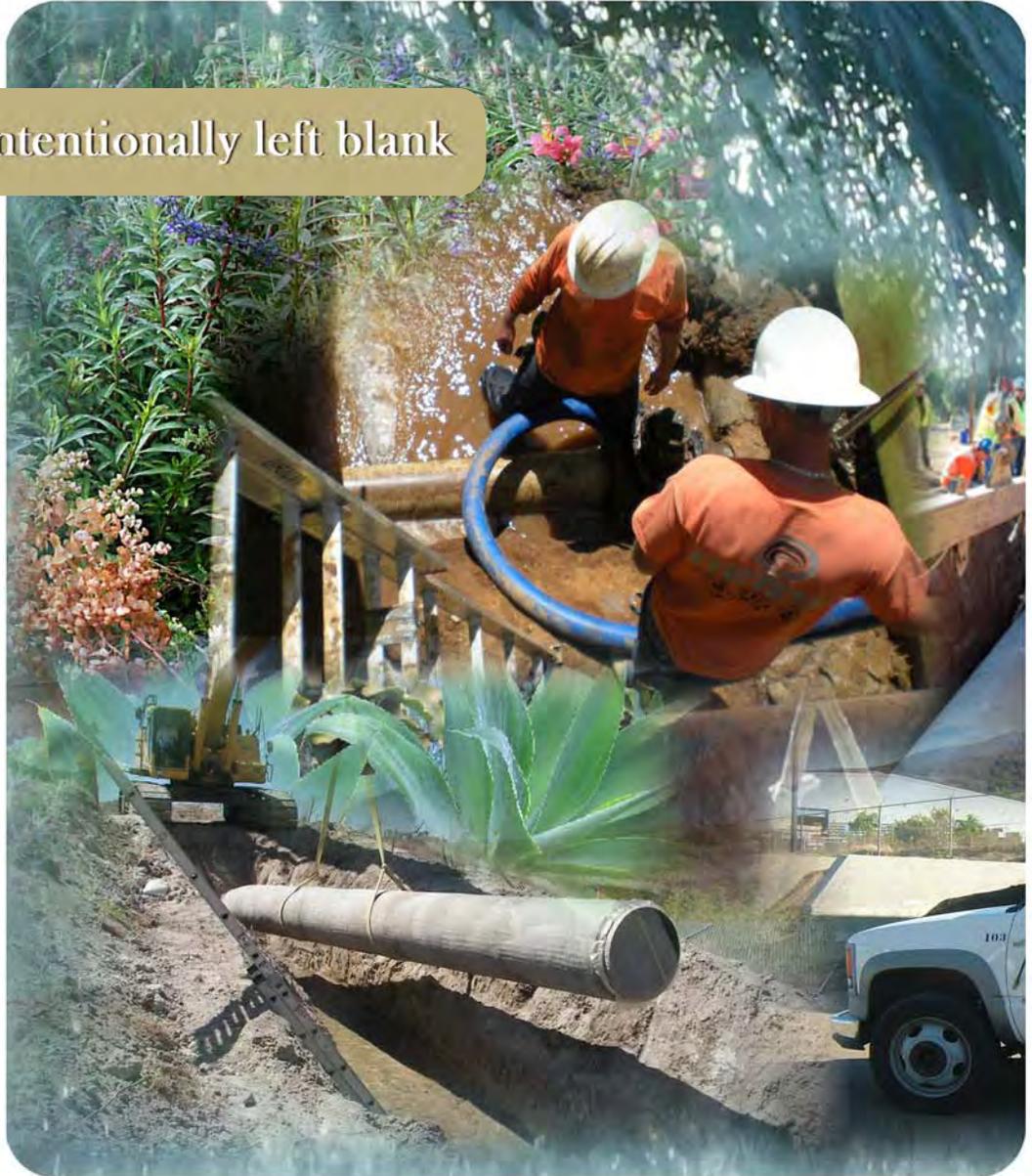


District Secretary



President

This page intentionally left blank





Capital Budget Summary

Capital Improvement Program

The District provides water service to a population of approximately 206,000 which is expected to ultimately increase to 295,000. 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 is therefore 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, 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 2011 Capital Budget is \$28.4 million and the six-year Capital Improvement Program (CIP) totals \$181.4 million. This CIP Budget document 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 agencies within the District boundaries.
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.

CIP Justification and Impact on Operating Budget

The justification for each project is determined by whether it's required due to growth (Expansion), 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

Capital Purchases and Facilities

All capital expenditures are in the CIP which 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 page 30. Capital Facility Projects are items that exceed \$10,000 or \$20,000 for infrastructure related items (as defined under Capital Equipment on page 201 of the Glossary) and have a useful life of at least two years.

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

1. The safety, restoration of service, immediate needs, Board directed, or critical system needs are first priority.
2. Required system upgrades to maintain system reliability.
3. The need to meet the future growth of the system.
4. Reduced requirements due to lower demand or changes in land development.

The following are the three categories of CIP projects:

Expansion

Facilities required to support new or future users. These projects are funded from capacity fees and user rates.

Betterment

Facilities required because of inadequate capacity or new requirements to serve existing users. These projects are funded from availability fees, betterment fees, and user rates.

Replacement

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

Capital Improvement Projects

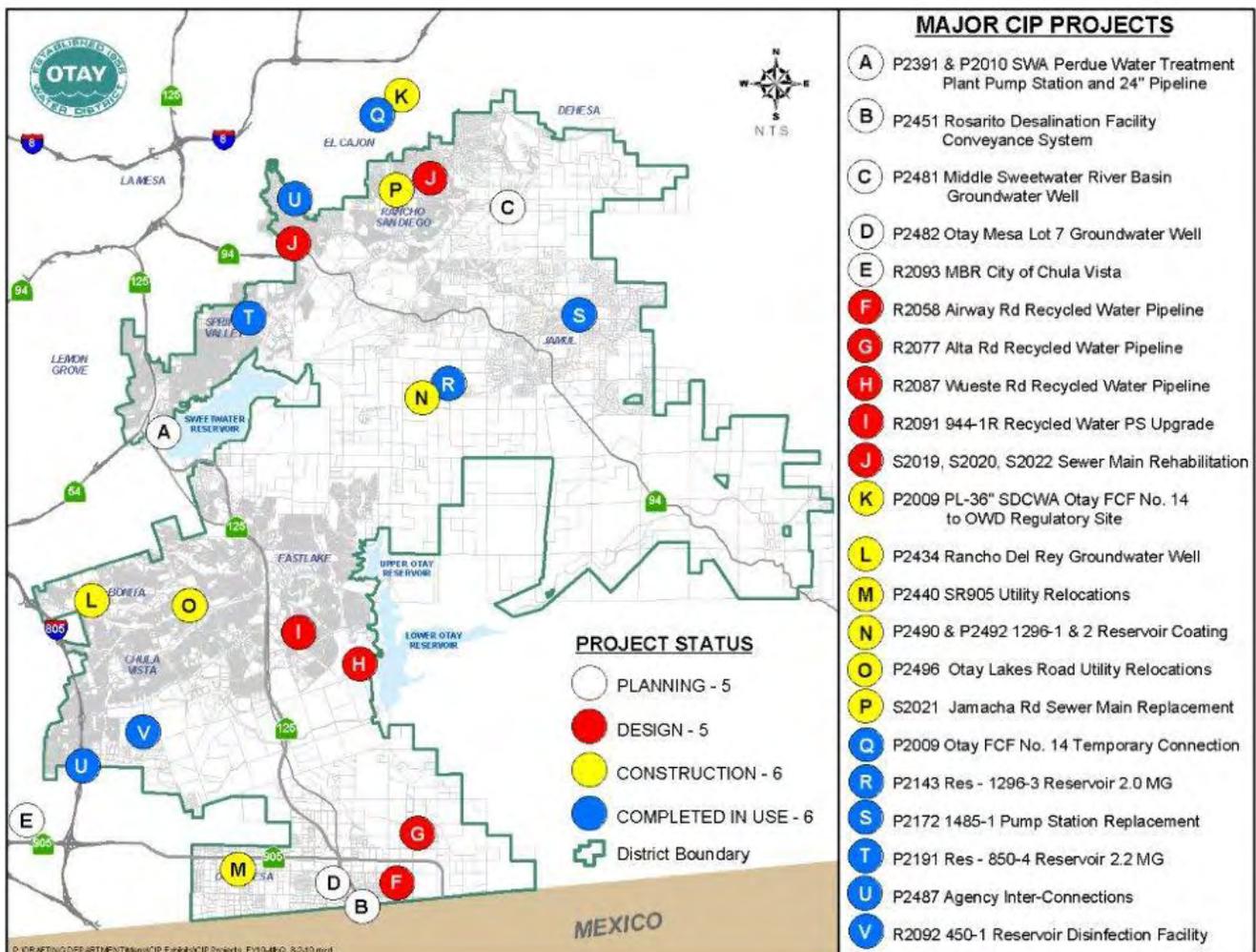
The 2011 Fiscal Year CIP Budget contains 82 projects. The cost of the work planned for Fiscal Year 2011 is \$28.4 million. Of the 82 projects planned, only four are designated as reimbursable projects with estimated costs totaling \$12,000. These projects are built by developers and reimbursed by the District.

Major CIP Projects

The following shows how the \$28.4 million of projects is broken down into four categories:

1. Capital facilities \$ 16.2 million
2. Replacement or renewal projects \$ 10.0 million
3. Capital purchase projects \$ 2.2 million
4. Developer reimbursement projects \$ 12.0 thousand

The Six-Year CIP and Fiscal Year 2011 Capital Budgets are consistent with the District's Water Resources Master Plan, current capacity fees, and the District's strategic financial objectives.



Flagship CIP Project in Construction



36-Inch Pipeline from FCF No. 14 to Regulatory Site (P2009)

This project was awarded to CCL Contracting in June 2009. This project consists of constructing approximately 27,300 feet of 36-inch pipeline to upgrade FCF No. 14 to a capacity of 16 million gallons per day.

Key Component: Approximately 5 miles of 36-inch pipeline for potable water from Otay's FCF No. 14 to the Regulatory Site.

Schedule: A construction contract was awarded to CCL Contracting (CCL) on June 3, 2009. Project is approximately 90% complete. Project completion is anticipated for September 2010.

Cost: The FY 2010 project budget is \$15.0 million, of which \$13.2 million or 88% has been spent. The life-to-date project budget is \$22.2 million of which \$16.9 million or 76% has been spent.

Significant Issues: None.

Highlights: CCL completed the installation of the 36-inch pipeline. The tie-ins for the 12-inch pipeline are complete. Testing, paving, tie-ins, and appurtenances on the 36-inch remain.

Final road paving is scheduled to start in early August.

Flagship CIP Project in Construction



1296-3 Reservoir 2.0 MG (P2143)

This project was awarded to Natgun Corporation in February 2009. This project will provide additional storage in the 1296 Pressure Zone.

Key Component: A new 2.2 MG concrete Reservoir will provide additional storage in the 1296 Pressure Zone.

Schedule: Project is complete.

Cost: The FY 2010 project budget was \$2.0 million, of which \$1.7 million or 84% was spent. The life-to-date project budget is \$3.6 million of which \$3.4 million or 93% has been spent.

Significant Issues:

None.

Highlights:

The design of this reservoir is a Type III concrete reservoir. The lifecycle cost of building a concrete reservoir is lower than a welded steel reservoir.

A solar power generating system was added to this project which includes a 75 square-foot photovoltaic panel for generating power, which is tied to the SDG&E power grid.

Flagship CIP Project in Construction



1485-1 Pump Station Replacement (P2172)

This project was awarded to SCW Contracting and was started in January 2009. This project consists of constructing a new pump station to replace the existing pump station and to expand capacity as projected within the Water Resources Master Plan.

Key Component: The existing pump station was near capacity and had reached the end of its useful life. The improved pump station systems and additional capacity are required to meet projected demands of the 1485 and higher pressure zones as projected within the Water Resources Master Plan.

Schedule: Project is complete.

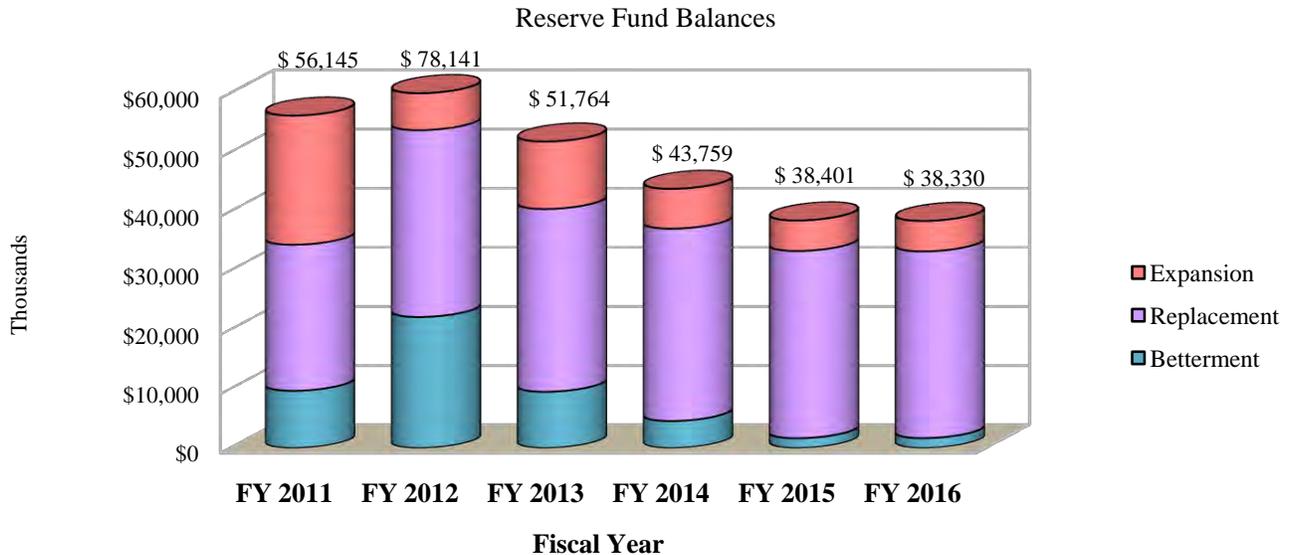
Cost: The FY 2010 project budget was \$1.6 million, of which \$1.3 million or 81% was spent. The life-to-date project budget is \$2.48 million of which \$2.46 million or 99% has been spent.

Significant Issues: None.

Highlights: The new pump station will include SCADA equipment and will protect the existing equipment from the elements.

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.

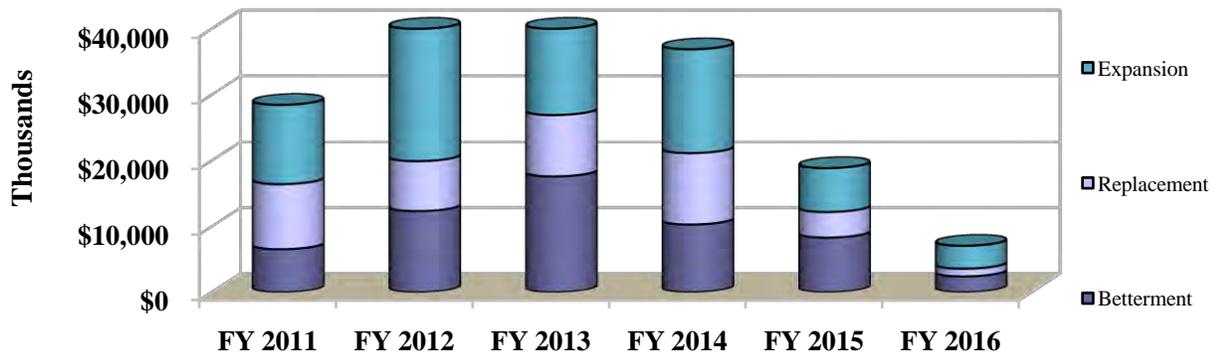


(Thousand \$000s)	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	Total
Beginning Balance	\$ 71,567	\$ 56,145	\$ 78,141	\$ 51,764	\$ 43,759	\$ 38,401	
Capacity Fees	1,218	2,768	6,424	10,057	13,110	12,207	\$ 45,783
Debt financing	-	51,770	-	-	-	-	51,770
Grants	2,540	1,050	1,050	1,000	1,000	500	7,140
Interest	1,108	1,495	1,922	1,875	1,614	1,507	9,522
Betterment Charges	739	761	784	808	832	857	4,782
Temporary Meters	860	860	861	865	870	872	5,187
Availability (Betterment Portion)	521	536	553	570	587	605	3,372
Capacity Fees	1,388	3,136	7,290	11,453	14,935	13,911	-
Transfer from General Fund	12,925	12,465	14,945	15,455	(6,235)	(10,255)	39,300
Total Sources	21,298	74,842	33,829	42,083	26,713	20,204	166,855
CIP Projects	28,448	42,285	47,898	36,887	18,853	7,053	181,424
Betterment Fees for Maintenance	657	671	684	698	712	726	4,147
Debt Service	6,519	8,790	10,512	11,380	11,372	11,352	59,925
Developer Services	1,095	1,101	1,112	1,123	1,134	1,145	6,710
Total Uses	36,720	52,846	60,206	50,088	32,070	20,276	252,206
Net Sources (Uses)	\$ (15,421)	\$ 21,995	\$ (26,377)	\$ (8,005)	\$ (5,357)	\$ (71)	\$ (85,351)
Ending Balance	\$ 56,145	\$ 78,141	\$ 51,764	\$ 43,759	\$ 38,401	\$ 38,330	

CIP Funding Source and Category

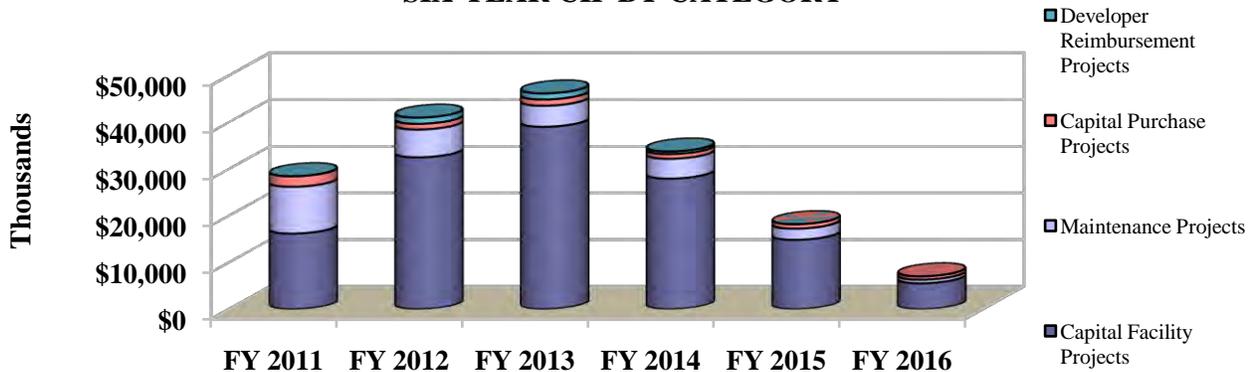
(Thousands \$000s)	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	TOTAL
Expansion	\$ 12,026	\$ 22,375	\$ 20,984	\$ 15,757	\$ 6,662	\$ 3,482	\$ 81,285
Betterment	6,531	12,322	17,588	10,278	8,298	2,400	57,417
Replacement	9,892	7,588	9,326	10,852	3,893	1,171	42,722
TOTAL	\$ 28,448	\$ 42,285	\$ 47,898	\$ 36,887	\$ 18,853	\$ 7,053	\$ 181,424

SIX-YEAR CIP BY FUNDING SOURCE



(Thousands \$000s)	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	TOTAL
Capital Facility Projects	\$ 16,181	\$ 32,488	\$ 39,025	\$ 27,930	\$ 14,830	\$ 5,550	\$ 136,004
Maintenance Projects	10,006	5,966	4,512	4,264	2,405	783	27,936
Capital Purchase Projects	2,249	1,220	1,340	1,000	945	700	7,454
Developer Reimbursement Projects	12	1,314	1,296	544	-	-	3,166
Subtotal	28,448	40,988	46,173	33,738	18,180	7,033	174,560
FY 2012 Through FY 2016 Projects	-	1,297	1,725	3,149	673	20	6,864
TOTAL	\$ 28,448	\$ 42,285	\$ 47,898	\$ 36,887	\$ 18,853	\$ 7,053	\$ 181,424

SIX-YEAR CIP BY CATEGORY



CIP Projects (\$1,000s)

The 2011 Fiscal Year CIP Budget contains 82 projects. The costs for the work planned for Fiscal Year 2011 is \$28.4 million. Of the 82 projects planned for Fiscal Year 2011, one is designated as reimbursable project with an estimated cost of \$12,000. This project is built by a developer and reimbursed by the District.

CIP No.	Description	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	Total
CAPITAL FACILITY PROJECTS								
P2009	PL - 36-Inch, SDCWA Otay FCF No. 14 to Regulatory Site	\$ 2,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,200
P2038	PL - 12-Inch, 978 Zone, Jamacha, Hidden Mesa, and Chase Upsize and Replacements	130	-	-	-	-	-	130
P2083	PS - 870-2 Pump Station Replacement (28,000 GPM)	50	1,000	4,000	6,000	950	-	12,000
P2143	Res - 1296-3 Reservoir 2 MG	5	-	-	-	-	-	5
P2172	PS - 1485-1 Pump Station Replacement	5	-	-	-	-	-	5
P2191	Res - 850-4 Reservoir 2.2 MG	5	-	-	-	-	-	5
P2318	PL - 20-Inch, 657 Zone, Summit Cross-Tie and 36-Inch Main Connections	100	230	200	-	-	-	530
P2357	PS - 657-1/850-1 Pump Station Demolition	50	250	-	-	-	-	300
P2370	Res - Dorchester Reservoir and Pump Station Demolition	67	70	-	-	-	-	137
P2391	PS - Perdue WTP Pump Station (10,000 GPM)	5	182	300	2,700	4,700	4,000	11,887
P2399	PL - 30-Inch, 980 Zone, 980 Reservoirs to Hunte Parkway	200	650	10	-	-	-	860
P2431	Res - 980-4 Reservoir 5 MG	5	45	1,000	4,800	50	-	5,900
P2434	Rancho Del Rey Groundwater Well Development	1,000	1,500	250	-	-	-	2,750
P2451	Rosarito Desalination Facility Conveyance and Disinfection System	1,000	12,000	12,500	4,200	-	-	29,700
P2466	Regional Training Facility	24	-	-	-	-	-	24
P2467	San Diego Formation Groundwater Feasibility Study	600	400	-	-	-	-	1,000
P2471	850/657 PRS at La Presa Pump Station	240	-	-	-	-	-	240
P2472	Water Supply Feasibility Studies	30	30	30	30	30	-	150
P2473	PS - 711-1 Pump Station Improvement	200	250	-	-	-	-	450
P2474	Fuel Storage Covers and Containment	50	50	-	-	-	-	100
P2475	Pump Station Fire Hydrant Installations	45	-	-	-	-	-	45
P2481	Middle Sweetwater River Basin Groundwater Well Feasibility	50	770	-	-	-	-	820
P2488	Del Rio Road Helix and Otay Agency Interconnection	120	5	-	-	-	-	125
P2489	Gillispie Drive Helix and Otay Agency Interconnection	135	5	-	-	-	-	140
P2497	Solar Power Feasibility Study	150	-	-	-	-	-	150
P2502	803-1 Pump Station Modifications	50	150	-	-	-	-	200
P2503	850-2 Pump Station Modifications	150	500	-	-	-	-	650
P2510	Operations Yard Improvements	25	335	10	-	-	-	370
P2511	North District - South District Interconnection System	800	2,200	15,000	10,200	9,100	-	37,300
R2034	RecRes - 860-1 Reservoir 4 MG	200	2,200	1,370	-	-	-	3,770
R2048	RecPL - Otay Mesa Distribution Pipelines and Conversions	250	850	1,040	-	-	-	2,140
R2058	RecPL - 16-Inch, 860 Zone, Airway Road - Otay Mesa/Alta	1,000	1,495	5	-	-	-	2,500
R2077	RecPL - 24-Inch, 860 Zone, Alta Road - Alta Gate/Airway	1,750	2,121	5	-	-	-	3,876
R2087	RecPL - 24-Inch, 927 Zone, Wueste Road - Olympic/Otay WTP	3,378	3,000	5	-	-	-	6,383
R2088	RecPL - 30-Inch, 860 Zone, County Jail - Roll Reservoir/860-1 Reservoir	240	1,200	2,000	-	-	-	3,440
R2091	RecPS - 927-1 Pump Station Upgrade (10,000 GPM) and System Enhancements	1,250	500	450	-	-	1,550	3,750
R2092	Dis - 450-1 Reservoir Disinfection Facility	2	-	-	-	-	-	2
R2093	MBR City of Chula Vista Feasibility Study	120	-	-	-	-	-	120
R2094	Potable Irrigation Meters to Recycled Water Conversions	500	500	850	-	-	-	1,850
39	Total Capital Facility Projects	16,181	32,488	39,025	27,930	14,830	5,550	136,004
REPLACEMENT/RENEWAL PROJECTS								
P2366	APCD Engine Replacements and Retrofits	442	220	200	200	200	200	1,462
P2382	Safety and Security Improvements	102	102	102	5	5	5	321
P2416	SR-125 Utility Relocations	50	-	-	-	-	-	50
P2440	I-905 Utility Relocations	100	-	-	-	-	-	100
P2453	SR-11 Utility Relocations	50	50	50	-	-	-	150
P2456	Air and Vacuum Valve Upgrades	450	450	-	-	-	-	900
P2458	AMR Manual Meter Replacement	1,500	1,650	1,700	1,650	-	-	6,500
P2477	Res - 624-1 Reservoir Cover Replacement	5	5	5	5	400	3	423
P2484	Large Water Meter Replacement Program	100	100	100	100	-	-	400
P2485	SCADA Communication System and Software Replacement	350	475	235	-	-	-	1,060
P2486	Asset Management Plan Condition Assessment and Data Acquisition	600	200	100	-	-	-	900
P2490	1296-1 Reservoir Interior/Exterior Coating	240	10	-	-	-	-	250

CIP Projects (\$1,000s)

P2491	850-3 Reservoir Exterior Coating	10	284	5	-	-	-	299
P2492	1296-2 Reservoir Interior/Exterior Coating	440	10	-	-	-	-	450
P2493	624-2 Reservoir Interior Coating	5	5	935	4	-	-	949
P2494	Multiple Species Conservation Plan	170	10	-	-	-	-	180
P2495	San Miguel Habitat Management/Mitigation Area	250	250	250	250	250	250	1,500
P2496	Otay Lakes Road Utility Relocations	195	10	-	-	-	-	205
P2504	Regulatory Site Access Road and Pipeline Relocation	200	400	-	-	-	-	600
CIP No.	Description	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	Total
	REPLACEMENT/RENEWAL PROJECTS (continued)							
P2505	657-1 Reservoir Interior/Exterior Coating	325	50	-	-	-	-	375
P2506	657-2 Reservoir Interior/Exterior Coating	325	50	-	-	-	-	375
P2507	East Palomar Street Utility Relocation	20	75	155	250	-	-	500
P2508	Pipeline Cathodic Protection Replacement Program	50	100	-	-	-	-	150
R2096	RWCWRF - Upgrades and Modifications	1,200	900	-	-	-	-	2,100
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	1,515	15	-	-	-	-	1,530
S2020	Calavo Drive 8-Inch Sewer Main Replacement	360	10	-	-	-	-	370
S2021	Jamacha Road 8-Inch Sewer Main Replacement	40	5	-	-	-	-	45
S2022	Hidden Mesa Drive 8-Inch Sewer Main Rehabilitation	120	5	-	-	-	-	125
S2023	Calavo Drive Sewer Main Utility Relocation	50	-	-	-	-	-	50
S2024	Campo Road Sewer Main Replacement	75	150	250	1,500	1,250	25	3,250
S2025	Wieghest Way Sewer Main Replacement	25	25	125	-	-	-	175
32	Total Replacement/Renewal Projects	10,006	5,966	4,512	4,264	2,405	783	27,936
	CAPITAL PURCHASE PROJECTS							
P2282	Vehicle Capital Purchases	540	470	640	450	445	400	2,945
P2286	Field Equipment Capital Purchases	201	100	100	100	100	100	701
P2443	Information Technology Mobile Services	250	150	100	-	-	-	500
P2461	Records Management System Upgrade	150	-	-	-	-	-	150
P2469	Information Technology Network and Hardware	300	300	300	250	200	-	1,350
P2470	Application Systems Development and Integration	408	200	200	200	200	200	1,408
P2501	Telecommunications Equipment Upgrade	400	-	-	-	-	-	400
7	Total Capital Purchase Projects	2,249	1,220	1,340	1,000	945	700	7,454
CIP No.	Description	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	Total
	DEVELOPER REIMBURSEMENT PROJECTS							
P2325	PL - 10" to 12" Oversize, 1296 Zone, PB Road - Rolling Hills Hydro PS/PB Bndy	1	49	-	-	-	-	50
R2082	RecPL - 24-Inch, 680 Zone, Olympic Parkway - Village 2/Heritage	5	795	946	-	-	-	1,746
R2083	RecPL - 20-Inch, 680 Zone, Heritage Road - Village 2/Olympic	5	395	-	-	-	-	400
R2084	RecPL - 20-Inch, 680 Zone, Village 2 - Heritage/La Media	1	75	350	544	-	-	970
4	Total Developer Reimbursement Projects	12	1,314	1,296	544	-	-	3,166
82	Total - FY 2011 Projects	28,448	40,988	46,173	33,738	18,180	7,033	174,560
12	FY 2012 Through FY 2016 Projects	-	1,297	1,725	3,149	673	20	6,864
	Grand Totals	\$ 28,448	\$ 42,285	\$ 47,898	\$ 36,887	\$ 18,853	\$ 7,053	181,424

CIP Justification and Impact on Operating Budget

Projected Incremental Operating Expenditures (1)									
CIP No.	Description	J/FS (2)	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	Total (3)
CAPITAL FACILITY PROJECTS									
P2009	PL - 36-Inch, SDCWA Otay	E/B	4,650	9,300	9,600	9,900	10,200	10,500	\$ 54,150
P2033	PL - 16-Inch, 1296 Zone	E	-	-	-	-	-	2,200	\$ 2,200
P2038	PL - 12-Inch, 978 Zone	B/R	750	1,500	1,500	1,500	1,500	1,500	8,250
P2143	Res - 1296-3 Reservoir 2 MG	E	-	3,800	3,900	4,000	4,100	4,200	20,000
P2172	PS - 1485-1 Pump Station Replacement	B/R	-	7,400	7,600	7,800	8,000	8,200	39,000
P2191	Res - 850-4 Reservoir 2.2 MG	E/B	-	4,200	4,300	4,400	4,500	4,600	22,000
P2318	PL - 20-Inch, 657 Zone	B	-	-	-	100	100	100	300
P2357	PS - 657-1/850-1 Pump Station	B	-	-	(44,400)	(45,700)	(47,100)	(48,500)	(185,700)
P2370	Res - Dorchester Reservoir	B	-	-	(4,800)	(4,900)	(5,000)	(5,200)	(19,900)
P2391	PS - Perdue WTP Pump Station	E/B	-	-	-	-	-	-	-
P2399	PL - 30-Inch, 980 Zone	E	-	-	-	700	700	700	2,100
P2431	Res - 980-4 Reservoir 5 MG	E	-	-	-	-	-	9,400	9,400
P2434	Rancho Del Rey Groundwater	E/B	-	-	-	5,900	6,100	6,300	18,300
P2451	Rosarito Desalination Facility	E/B	-	-	-	-	3,400	3,500	6,900
P2481	Middle Sweetwater River Basin	E/B	-	-	8,900	9,200	9,500	9,800	37,400
P2502	803-1 Pump Station Modifications	B	-	-	(81,900)	(84,400)	(86,900)	(89,500)	(342,700)
P2503	850-2 Pump Station Modifications	B	-	-	(50,400)	(51,900)	(53,500)	(55,100)	(210,900)
P2511	North District-South District Interconnect	E/B	-	-	-	-	-	10,900	10,900
R2034	RecRes - 860-1 Reservoir 4 MG	E	-	-	-	7,500	7,700	7,900	23,100
R2048	RecPL - Otay Mesa Distribution Pipelines	E	-	-	-	10,200	10,500	10,800	31,500
R2058	RecPL - 16-Inch, 860 Zone	E	-	-	-	3,600	3,700	3,800	11,100
R2077	RecPL - 24-Inch, 860 Zone	E	-	-	-	3,200	3,300	3,400	9,900
R2087	RecPL - 24-Inch, 927 Zone	E	-	-	-	5,100	5,300	5,500	15,900
R2088	RecPL - 30-Inch, 860 Zone	E	-	-	-	2,400	2,500	2,600	7,500
R2091	RecPS - 927-1 Pump Station Upgrade	E	-	-	-	-	-	-	-
R2092	Dis - 450-1 Reservoir Disinfection Facility	E	11,250	22,500	23,200	23,900	24,600	25,300	130,750
Total Capital Facility Projects			\$ 16,650	\$ 48,700	\$ (122,500)	\$ (87,500)	\$ (86,800)	\$ (67,100)	\$ (298,550)
REPLACEMENT/RENEWAL PROJECTS									
P2458	AMR Manual Meter Replacement	R	-	-	-	-	(226,400)	(233,200)	(459,600)
Total Replacement/Renewal Projects			-	-	-	-	(226,400)	(233,200)	(459,600)

(1) 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.

(2) J/FS - Justification and Funding Source - Some projects have multiple funding sources as indicated by a slash (/):

E - Expansion B - Betterment R - Replacement

(3) Negative cost reflect savings gained from operational efficiencies or the retirement of a facility.

Note: See pages 24-25 for complete description of CIP projects.

CIP Justification and Impact on Operating Budget

Projected Incremental Operating Expenditures									
CIP No.	Description	J/FS ⁽²⁾	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	Total ⁽³⁾
CAPITAL PURCHASE PROJECTS									
P2443	Information Technology Mobile Services	E/R	-	-	-	18,000	18,500	19,100	55,600
Total Capital Purchase Projects			-	-	-	18,000	18,500	19,100	55,600
DEVELOPER REIMBURSEMENT PROJECTS									
P2104	PL - 12-Inch, 711 Zone	E	-	-	-	-	2,000	2,100	4,100
P2107	PL - 12-Inch, 711 Zone	E	-	-	-	-	1,700	1,800	3,500
P2325	PL - 10" to 12" Oversize, 1296 Zone,	E	-	-	2,300	2,400	2,500	2,600	9,800
P2402	PL - 12-Inch, 624 Zone	E	-	-	-	-	1,000	1,000	2,000
P2403	PL - 12-Inch, 624 Zone, Heritage Road	E	-	-	-	-	3,100	3,200	6,300
R2028	RecPL - 8-Inch, 680 Zone, Heritage Road	E	-	-	-	-	2,400	2,500	4,900
R2042	RecPL - 8-Inch, 927 Zone	E	-	-	-	900	900	900	2,700
R2047	RecPL - 12-Inch, 680 Zone	E	-	-	-	1,400	1,400	1,400	4,200
R2082	RecPL - 24-Inch, 680 Zone	E	-	-	-	1,200	1,200	1,200	3,600
R2083	RecPL - 20-Inch, 680 Zone	E	-	-	700	700	700	700	2,800
R2084	RecPL - 20-Inch, 680 Zone	E	-	-	-	-	1,900	2,000	3,900
R2085	RecPL - 20-Inch, 680 Zone	E	-	-	-	1,300	1,300	1,300	3,900
Total Developer Reimbursement Projects			-	-	3,000	7,900	20,100	20,700	51,700
Total Operating Budget Cost Impact			\$ 16,650	\$ 48,700	\$ (119,500)	\$ (61,600)	\$ (274,600)	\$ (260,500)	\$ (650,850)

The preceding schedule shows anticipated operating costs associated with each project in the CIP, and 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.

Cost Category	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	Total
Operations and Maintenance	\$ 11,300	\$ 27,900	\$ 24,900	\$ 78,400	\$ (130,500)	\$ (116,700)	\$ (104,700)
Energy	-	6,300	(158,500)	(158,200)	(162,900)	(167,700)	(641,000)
Chemical	5,350	14,500	14,100	18,200	18,800	23,900	94,850
Total Operating Budget Cost Impact	\$ 16,650	\$ 48,700	\$ (119,500)	\$ (61,600)	\$ (274,600)	\$ (260,500)	\$ (650,850)

⁽¹⁾ ⁽²⁾ ⁽³⁾ see page 26

Note: See pages 24-25 for complete description of CIP projects.

**Otay Water District
FY 2011 - FY 2016
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		
1		Project Category: Capital Facility Projects	Fri 7/1/94	Thu 6/30/16	[Timeline bar from 94 to 16]																								
2	P2009	PL - 36-Inch, SDCWA Otay FCF No. 14 to Regulatory Site	Tue 7/1/97	Fri 12/31/10																									
3	P2038	PL - 12-Inch, 978 Zone, Jamacha, Hidden Mesa, and Chase Upsize and Replacements	Fri 7/1/05	Fri 12/31/10																									
4	P2083	PS - 870-2 Pump Station Replacement (28,000 GPM)	Mon 7/3/95	Tue 6/30/15																									
5	P2143	Res - 1296-3 Reservoir 2 MG	Thu 11/1/01	Thu 6/30/11																									
6	P2172	PS - 1485-1 Pump Station Replacement	Mon 7/2/01	Thu 6/30/11																									
7	P2191	Res - 850-4 Reservoir 2.2 MG	Tue 7/1/03	Thu 6/30/11																									
8	P2318	PL - 20-Inch, 657 Zone, Summit Cross-Tie and 36-Inch Main Connections	Mon 11/3/97	Sun 6/30/13																									
9	P2357	PS - 657-1/850-1 Pump Station Demolition	Mon 7/3/06	Sat 6/30/12																									
10	P2370	Res - Dorchester Reservoir and Pump Station Demolition	Fri 7/1/05	Sat 6/30/12																									
11	P2391	PS - Perdue WTP Pump Station (10,000 GPM)	Fri 1/1/10	Thu 6/30/16																									
12	P2399	PL - 30-Inch, 980 Zone, 980 Reservoirs to Hunte Parkway	Thu 1/1/04	Sun 6/30/13																									
13	P2431	Res - 980-4 Reservoir 5 MG	Mon 1/3/11	Tue 6/30/15																									
14	P2434	Rancho Del Rey Groundwater Well Development	Fri 7/1/94	Sun 6/30/13																									
15	P2451	Rosario Desalination Facility Conveyance and Disinfection System	Mon 7/3/06	Mon 6/30/14																									
16	P2466	Regional Training Facility	Tue 8/1/06	Thu 6/30/11																									
17	P2467	San Diego Formation Groundwater Feasibility Study	Mon 7/2/07	Sat 6/30/12																									
18	P2471	850/657 PRS at La Presa Pump Station	Tue 7/1/08	Thu 6/30/11																									
19	P2472	Water Supply Feasibility Studies	Tue 7/1/08	Tue 6/30/15																									
20	P2473	PS - 711-1 Pump Station Improvement	Thu 1/1/09	Sat 6/30/12																									
21	P2474	Fuel Storage Covers and Containment	Tue 7/1/08	Sat 6/30/12																									
22	P2475	Pump Station Fire Hydrant Installations	Wed 4/1/09	Thu 6/30/11																									
23	P2481	Middle Sweetwater River Basin Groundwater Well Feasibility	Tue 7/1/08	Sat 6/30/12																									
24	P2488	Del Rio Road Helix and Otay Agency Interconnection	Wed 7/1/09	Sat 6/30/12																									
25	P2489	Gillispie Drive Helix and Otay Agency Interconnection	Wed 7/1/09	Sat 6/30/12																									
26	P2497	Solar Power Feasibility Study	Wed 7/1/09	Sat 6/30/12																									
27	P2502	803-1 Pump Station Modifications	Thu 7/1/10	Sat 6/30/12																									
28	P2503	850-2 Pump Station Modifications	Thu 7/1/10	Sat 6/30/12																									
29	P2510	Operations Yard Improvements	Thu 7/1/10	Sun 6/30/13																									
30	P2511	North District - South District Interconnection System	Thu 7/1/10	Tue 6/30/15																									
31	R2034	RecRes - 860-1 Reservoir 4 MG	Fri 9/1/06	Sun 6/30/13																									
32	R2048	RecPL - Otay Mesa Distribution Pipelines and Conversions	Tue 7/1/08	Sun 6/30/13																									
33	R2058	RecPL - 16-Inch, 860 Zone, Airway Road - Otay Mesa/Alta	Mon 7/2/01	Sun 6/30/13																									
34	R2077	RecPL - 24-Inch, 860 Zone, Alta Road - Alta Gate/Airway	Mon 7/2/01	Sun 6/30/13																									
35	R2087	RecPL - 24-Inch, 927 Zone, Wueste Road - Olympic/Otay WTP	Fri 9/1/06	Sun 6/30/13																									
36	R2088	RecPL - 30-Inch, 860 Zone, County Jail - Roll Reservoir/860-1 Reservoir	Fri 9/1/06	Sun 6/30/13																									
37	R2091	RecPS - 927-1 Pump Station Upgrade (10,000 GPM) and System Enhancements	Mon 7/2/07	Thu 6/30/16																									
38	R2092	Dis - 450-1 Reservoir Disinfection Facility	Mon 7/2/07	Thu 12/30/10																									
39	R2093	MBR City of Chula Vista Feasibility Study	Thu 7/31/08	Thu 6/30/11																									
40	R2094	Potable Irrigation Meters to Recycled Water Conversions	Wed 7/1/09	Sun 6/30/13																									
41					[Timeline bar from 94 to 16]																								
42		Project Category: Replacement/Renewal Projects	Fri 12/1/00	Thu 6/30/16	[Timeline bar from 94 to 16]																								
43	P2366	APCD Engine Replacements and Retrofits	Fri 12/1/00	Thu 6/30/16																									
44	P2382	Safety and Security Improvements	Mon 7/1/02	Thu 6/30/16																									
45	P2416	SR-125 Utility Relocations	Tue 10/1/02	Thu 6/30/11																									
46	P2440	I-905 Utility Relocations	Wed 1/1/03	Thu 6/30/11																									
47	P2453	SR-11 Utility Relocations	Mon 7/3/06	Sun 6/30/13																									
48	P2456	Air and Vacuum Valve Upgrades	Mon 7/3/06	Sat 6/30/12																									
49	P2458	AMR Manual Meter Replacement	Mon 7/3/06	Mon 6/30/14																									
50	P2477	Res - 624-1 Reservoir Cover Replacement	Tue 7/1/08	Thu 6/30/16																									
51	P2484	Large Water Meter Replacement Program	Wed 7/1/09	Mon 6/30/14																									
52	P2485	SCADA Communication System and Software Replacement	Wed 7/1/09	Sun 6/30/13																									

Project: OWD FY 2011 CIP Schedule
Date: Wed 9/8/10

Task Progress Summary

Milestone

Rolled Up Task

Rolled Up Progress

External Tasks

Group By Summary

Rolled Up Milestone

Split

Project Summary

Deadline

**Otay Water District
FY 2011 - FY 2016
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
53	P2486	Asset Management Plan Condition Assessment and Data Acquisition	Wed 7/1/09	Sun 6/30/13																							
54	P2490	1296-1 Reservoir Interior/Exterior Coating	Wed 7/1/09	Sat 6/30/12																							
55	P2491	850-3 Reservoir Exterior Coating	Wed 7/1/09	Sun 6/30/13																							
56	P2492	1296-2 Reservoir Interior/Exterior Coating	Wed 7/1/09	Sat 6/30/12																							
57	P2493	624-2 Reservoir Interior Coating	Wed 7/1/09	Mon 6/30/14																							
58	P2494	Multiple Species Conservation Plan	Wed 7/1/09	Sat 6/30/12																							
59	P2495	San Miguel Habitat Management/Mitigation Area	Wed 7/1/09	Tue 6/30/15																							
60	P2496	Otay Lakes Road Utility Relocations	Wed 7/1/09	Sat 6/30/12																							
61	P2504	Regulatory Site Access Road and Pipeline Relocation	Thu 7/1/10	Sat 6/30/12																							
62	P2505	657-1 Reservoir Interior/Exterior Coating	Thu 7/1/10	Sat 6/30/12																							
63	P2506	657-2 Reservoir Interior/Exterior Coating	Thu 7/1/10	Sat 6/30/12																							
64	P2507	East Palomar Street Utility Relocation	Thu 7/1/10	Mon 6/30/14																							
65	P2508	Pipeline Cathodic Protection Replacement Program	Thu 7/1/10	Sat 6/30/12																							
66	R2096	RWCWRF - Upgrades and Modifications	Wed 7/1/09	Sat 6/30/12																							
67	S2012	SVSD Outfall and RSD Replacement and OM Reimbursement	Tue 7/1/03	Tue 6/30/15																							
68	S2019	Avocado Boulevard 8-Inch Sewer Main Improvement	Wed 7/1/09	Sat 6/30/12																							
69	S2020	Calavo Drive 8-Inch Sewer Main Replacement	Wed 7/1/09	Sat 6/30/12																							
70	S2021	Jamacha Road 8-Inch Sewer Main Replacement	Wed 7/1/09	Sat 6/30/12																							
71	S2022	Hidden Mesa Drive 8-Inch Sewer Main Rehabilitation	Wed 7/1/09	Sat 6/30/12																							
72	S2023	Calavo Drive Sewer Main Utility Relocation	Wed 7/1/09	Thu 6/30/11																							
73	S2024	Campo Road Sewer Main Replacement	Thu 7/1/10	Thu 6/30/16																							
74	S2025	Wiegborst Way Sewer Main Replacement	Thu 7/1/10	Sun 6/30/13																							
75																											
76		Project Category: Capital Purchase Projects	Tue 12/5/00	Thu 6/30/16																							
77	P2282	Vehicle Capital Purchases	Tue 12/5/00	Thu 6/30/16																							
78	P2286	Field Equipment Capital Purchases	Tue 12/5/00	Thu 6/30/16																							
79	P2443	Information Technology Mobile Services	Fri 7/1/05	Sun 6/30/13																							
80	P2461	Records Management System Upgrade	Mon 7/2/07	Thu 6/30/11																							
81	P2469	Information Technology Network and Hardware	Tue 7/1/08	Tue 6/30/15																							
82	P2470	Application Systems Development and Integration	Tue 7/1/08	Thu 6/30/16																							
83	P2501	Telecommunications Equipment Upgrade	Thu 7/1/10	Thu 6/30/11																							
84																											
85		Project Category: Developer Reimbursement Projects	Thu 7/1/04	Mon 6/30/14																							
86	P2325	PL - 10" to 12" Oversize, 1296 Zone, PB Road - Rolling Hills Hydro PS/PB Bndy	Thu 7/1/04	Sat 6/30/12																							
87	R2082	RecPL - 24-Inch, 680 Zone, Olympic Parkway - Village 2/Heritage	Thu 7/1/04	Sun 6/30/13																							
88	R2083	RecPL - 20-Inch, 680 Zone, Heritage Road - Village 2/Olympic	Thu 7/1/04	Sat 6/30/12																							
89	R2084	RecPL - 20-Inch, 680 Zone, Village 2 - Heritage/La Media	Thu 7/1/04	Mon 6/30/14																							

Project: OWD FY 2011 CIP Schedule Date: Wed 9/8/10

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

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

FY 2011 Capital Purchases

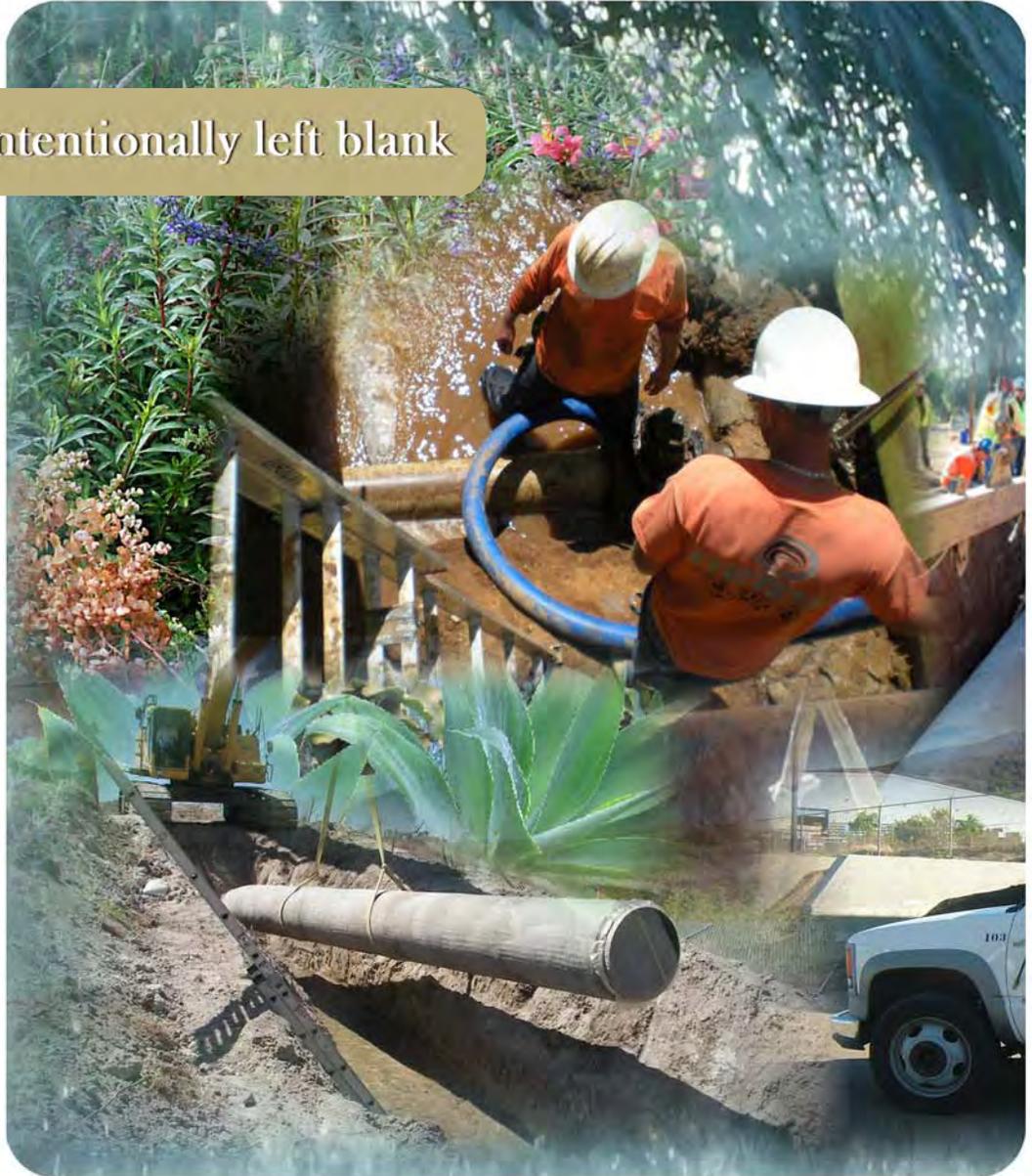
Capital purchases are non-recurring operating expenditures for assets that cost more than \$10,000 each and have an estimated useful life of two years or more. The Capital Purchase Projects include Field Equipment, Office Equipment and Furniture, and Vehicles purchases.

Item#	Description	Amount	Type
Field Equipment			
 Operations			
14	RWCWRF Emergency stand by gen set.	69,000.00	R
15	Towable Boom Lift: Allows an employee to work up to 61 feet above the ground, with an articulating arm to work above water tanks or buildings. The primary use will be for the SCADA technicians to install, aim, and maintain the thernet radio antennas to meet Strategic Plan goals for SCADA, IT and security.	43,900.00	N
16	Filter media removal and replacement at the reclamation plant.	40,000.00	R
17	Replacement heavy equipment trailer.	20,000.00	R
18	Replacement engine for pump engine number one at the Treatment Plant.	48,500.00	R
19	Replacement compressor for Unit 136.	15,000.00	R
20	Replacement crane for Unit No. 136.	<u>13,000.00</u>	R
Total of Field Equipment		<u>249,400.00</u>	
Vehicles			
 Operations			
5	Class 7, 7/8 yard dump body dump truck.	70,000.00	R
6	Class 7, 7/8 yard dump body dump truck.	70,000.00	R
7	Class 7 line truck with utility body.	130,000.00	R
8	Small multi-passenger mini van or SUV.	25,000.00	R
9	Ford F150 1/2 ton pick up truck	25,000.00	R
10	Small multi-passenger sedan or compact car.	20,000.00	R
11	Ford F150 Supercab four-door or equivalent.	25,000.00	R
12	Ford F150 Supercab four-door or equivalent.	25,000.00	R
13	Class 8 Vactor Hydro Excavator.	<u>280,000.00</u>	N
Total of Vehicles		<u>670,000.00</u>	
		<u>Grand Total :</u>	
		<u>919,400.00</u>	

N - New

R - Replacment

This page intentionally left blank





CIP Projects

CIP Project Sheet Description

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 shown with the estimated start date (month/year) and 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 26-27 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

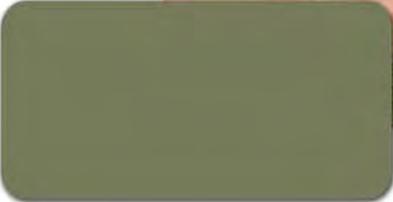
CIP No.	PROJECT DESCRIPTION	PAGE
CAPITAL FACILITY PROJECTS		
P2009	PL - 36-Inch, SDCWA Otay FCF No. 14 to Regulatory Site	35
P2038	PL - 12-Inch, 978 Zone, Jamacha, Hidden Mesa, and Chase Upsize and Replacements	37
P2083	PS - 870-2 Pump Station Replacement (28,000 GPM)	39
P2143	Res - 1296-3 Reservoir 2 MG	41
P2172	PS - 1485-1 Pump Station Replacement	43
P2191	Res - 850-4 Reservoir 2.2 MG	45
P2318	PL - 20-Inch, 657 Zone, Summit Cross-Tie and 36-Inch Main Connections	47
P2357	PS - 657-1/850-1 Pump Station Demolition	49
P2370	Res - Dorchester Reservoir and Pump Station Demolition	51
P2391	PS - Perdue WTP Pump Station (10,000 GPM)	53
P2399	PL - 30-Inch, 980 Zone, 980 Reservoirs to Hunte Parkway	55
P2431	Res - 980-4 Reservoir 5 MG	57
P2434	Rancho Del Rey Groundwater Well Development	59
P2451	Rosarito Desalination Facility Conveyance and Disinfection System	61
P2466	Regional Training Facility	63
P2467	San Diego Formation Groundwater Feasibility Study	65
P2471	850/657 PRS at La Presa Pump Station	67
P2472	Water Supply Feasibility Studies	69
P2473	PS - 711-1 Pump Station Improvement	71
P2474	Fuel Storage Covers and Containment	73
P2475	Pump Station Fire Hydrant Installations	75
P2481	Middle Sweetwater River Basin Groundwater Well Feasibility	77
P2488	Del Rio Road Helix and Otay Agency Interconnection	79
P2489	Gillispie Drive Helix and Otay Agency Interconnection	81
P2497	Solar Power Feasibility Study	83
P2502	803-1 Pump Station Modifications	85
P2503	850-2 Pump Station Modifications	87
P2510	Operations Yard Improvements	89
P2511	North District - South District Interconnection System	91
R2034	RecRes - 860-1 Reservoir 4 MG	93
R2048	RecPL - Otay Mesa Distribution Pipelines and Conversions	95
R2058	RecPL - 16-Inch, 860 Zone, Airway Road - Otay Mesa/Alta	97
R2077	RecPL - 24-Inch, 860 Zone, Alta Road - Alta Gate/Airway	99
R2087	RecPL - 24-Inch, 927 Zone, Wueste Road - Olympic/Otay WTP	101
R2088	RecPL - 30-Inch, 860 Zone, County Jail - Roll Reservoir/860-1 Reservoir	103
R2091	RecPS - 927-1 Pump Station Upgrade (10,000 GPM) and System Enhancements	105
R2092	Dis - 450-1 Reservoir Disinfection Facility	107
R2093	MBR City of Chula Vista Feasibility Study	109
R2094	Potable Irrigation Meters to Recycled Water Conversions	111
REPLACEMENT/RENEWAL PROJECTS		
P2366	APCD Engine Replacements and Retrofits	113
P2382	Safety and Security Improvements	115
P2416	SR-125 Utility Relocations	117
P2440	I-905 Utility Relocations	119
P2453	SR-11 Utility Relocations	121
P2456	Air and Vacuum Valve Upgrades	123
P2458	AMR Manual Meter Replacement	125

CIP Project Index

CIP No.	PROJECT DESCRIPTION	PAGE
REPLACEMENT/RENEWAL PROJECTS (CONTINUED)		
P2477	Res - 624-1 Reservoir Cover Replacement	127
P2484	Large Water Meter Replacement Program	129
P2485	SCADA Communication System and Software Replacement	131
P2486	Asset Management Plan Condition Assessment and Data Acquisition	133
P2490	1296-1 Reservoir Interior/Exterior Coating	135
P2491	850-3 Reservoir Exterior Coating	137
P2492	1296-2 Reservoir Interior/Exterior Coating	139
P2493	624-2 Reservoir Interior Coating	141
P2494	Multiple Species Conservation Plan	143
P2495	San Miguel Habitat Management/Mitigation Area	145
P2496	Otay Lakes Road Utility Relocations	147
P2504	Regulatory Site Access Road and Pipeline Relocation	149
P2505	657-1 Reservoir Interior/Exterior Coating	151
P2506	657-2 Reservoir Interior/Exterior Coating	153
P2507	East Palomar Street Utility Relocation	155
P2508	Pipeline Cathodic Protection Replacement Program	157
R2096	RWCWRF - Upgrades and Modifications	159
S2012	SVSD Outfall and RSD Replacement and OM Reimbursement	161
S2019	Avocado Boulevard 8-Inch Sewer Main Improvement	163
S2020	Calavo Drive 8-Inch Sewer Main Replacement	165
S2021	Jamacha Road 8-Inch Sewer Main Replacement	167
S2022	Hidden Mesa Drive 8-Inch Sewer Main Rehabilitation	169
S2023	Calavo Drive Sewer Main Utility Relocation	171
S2024	Campo Road Sewer Main Replacement	173
S2025	Wieghorst Way Sewer Main Replacement	175
CAPITAL PURCHASE PROJECTS		
P2282	Vehicle Capital Purchases	177
P2286	Field Equipment Capital Purchases	179
P2443	Information Technology Mobile Services	181
P2461	Records Management System Upgrade	183
P2469	Information Technology Network and Hardware	185
P2470	Application Systems Development and Integration	187
P2501	Telecommunications Equipment Upgrade	189
DEVELOPER REIMBURSEMENT PROJECTS		
P2325	PL - 10" to 12" Oversize, 1296 Zone, PB Road - Rolling Hills Hydro PS/PB Bndy	191
R2082	RecPL - 24-Inch, 680 Zone, Olympic Parkway - Village 2/Heritage	193
R2083	RecPL - 20-Inch, 680 Zone, Heritage Road - Village 2/Olympic	195
R2084	RecPL - 20-Inch, 680 Zone, Village 2 - Heritage/La Media	197



Capital Facility Projects



**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2009

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

PROJECT MANAGER: Ripperger	DIRECTOR DIVISION: 5
ORIGINAL APPROVED DATE: 7/16/1997	I.D. LOCATION: 3
RELATED CIP PROJECTS: P2038	PRIORITY: 1
	BUDGET AMOUNT: \$21,000,000

DESCRIPTION OF PROJECT:

Construction of approximately 27,300 feet of 36-inch pipeline from San Diego County Water Authority 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 Water District Board in December 2005 and by the San Diego County Water Authority (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:

SDCWA will provide \$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:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund	40%			40%
Various I.D.'s		60%		60%
TOTAL:	40%	60%		100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$18,800	\$2,200						\$21,000

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2009

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/97	10/07	\$309
DESIGN:	11/07	06/09	\$2,691
CONSTRUCTION:	07/09	12/10	\$18,000

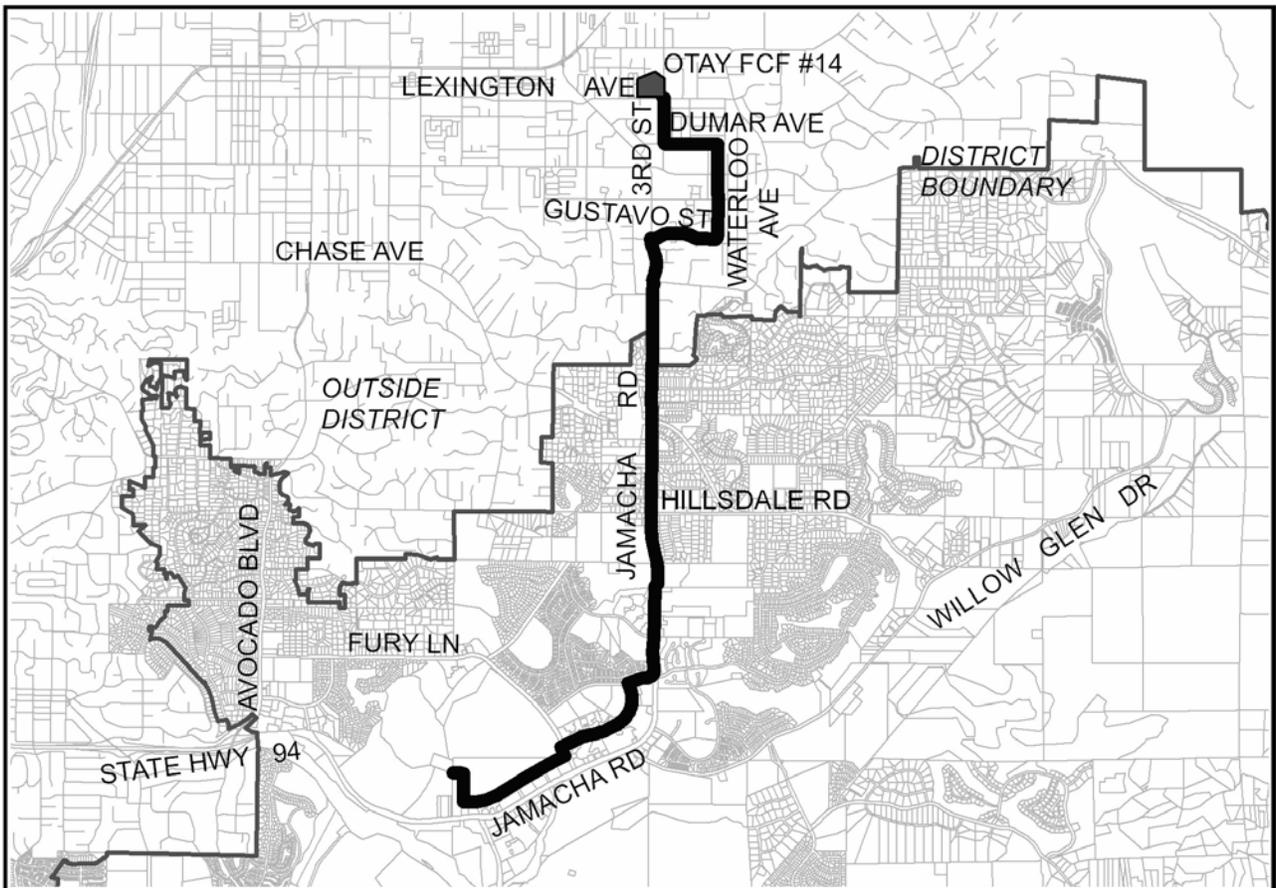
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	
\$4,650	\$9,300	\$9,600	\$9,900	\$10,200	\$10,500	\$54,150

PROJECT LOCATION:

Thomas Bros. Map: 1272

OWD Map Book: 356



Submitted By: Ron Ripperger

Date: 02/24/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2038

PROJECT TITLE: PL - 12-Inch, 978 Zone, Jamacha, Hidden Mesa, and Chase Upsize and Replacements

PROJECT MANAGER:	Kay	DIRECTOR DIVISION:	5
ORIGINAL APPROVED DATE:	7/16/1997	I.D. LOCATION:	3
RELATED CIP PROJECTS:	P2009	PRIORITY:	1
		BUDGET AMOUNT:	\$2,387,000

DESCRIPTION OF PROJECT:

Construction of approximately 8,600 feet of 12-inch pipeline located within Jamacha Road, Hidden Mesa Road, and Chase Avenue. This project includes construction of a looped system between Hidden Mesa Road and Penasco Road.

JUSTIFICATION OF PROJECT:

The existing pipelines in Chase Avenue and Jamacha Boulevard are undersized and the existing pipeline in Hidden Mesa Road is deteriorated steel pipe that needs to be replaced and located within the roadway right-of-way away from the existing residences.

COMMENTS:

The Jamacha Road portion of this project is intended to be designed and constructed as part of CIP project P2009. General Fund at 50% replacement and ID 3 at 50% betterment.

FUND DETAIL:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund			50%	50%
I.D. 3		50%		50%
TOTAL:		50%	50%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$2,257	\$130						\$2,387

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2038

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/05	10/07	\$100
DESIGN:	11/07	06/09	\$275
CONSTRUCTION:	07/09	12/10	\$2,012

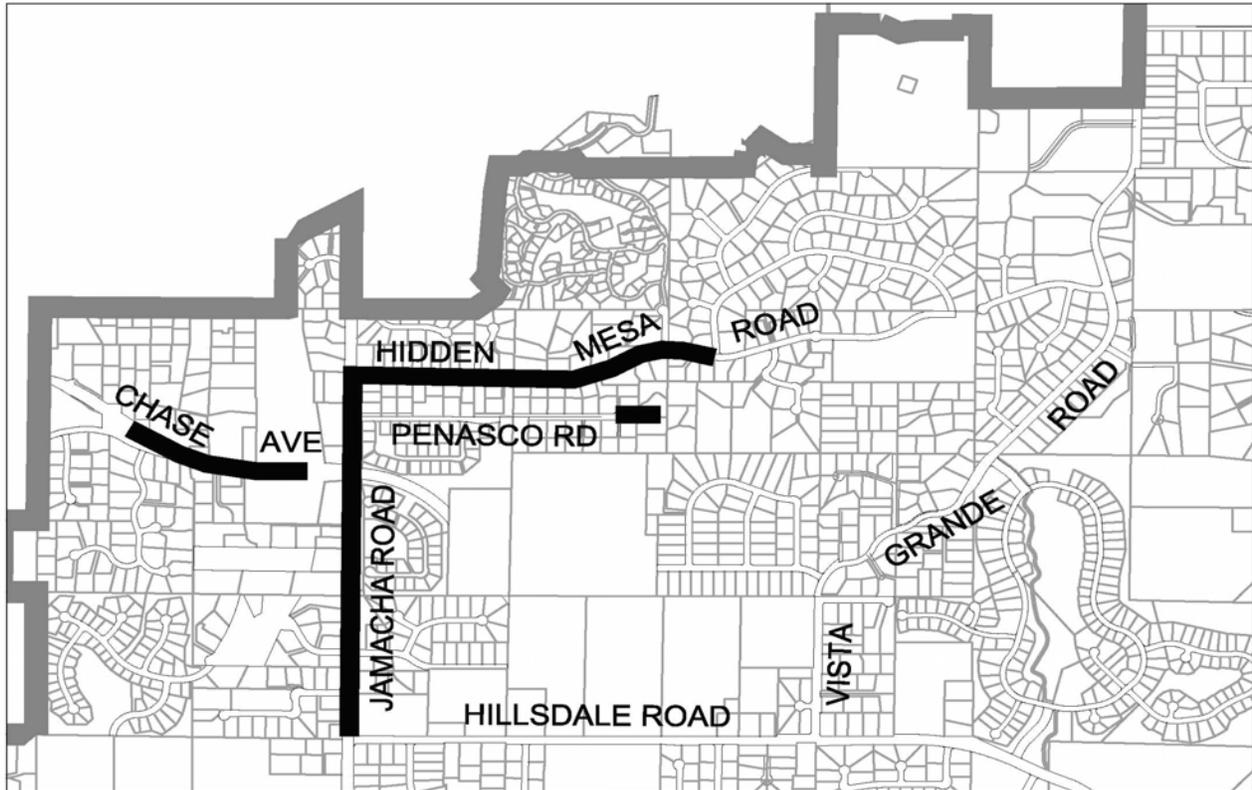
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	
\$750	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500	\$8,250

PROJECT LOCATION:

Thomas Bros. Map: 1272

OWD Map Book: 368



Submitted By: Daniel Kay

Date: 02/02/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2083

PROJECT TITLE: PS - 870-2 Pump Station Replacement (28,000 GPM)

PROJECT MANAGER: Ripperger	DIRECTOR DIVISION: 2
ORIGINAL APPROVED DATE: 5/17/1995	I.D. LOCATION: 7
RELATED CIP PROJECTS: P2451	PRIORITY: 1
	BUDGET AMOUNT: \$12,581,000

DESCRIPTION OF PROJECT:

Construction of a new pump station to replace the existing Low Head and High Head pump stations and to expand capacity as projected within the Rosarito Desalination Technical Memorandums prepared by CDM.

JUSTIFICATION OF PROJECT:

The two existing pump stations have reached the end of its useful lives and are under capacity for delivery of the proposed Rosarito Desalination water supply.

COMMENTS:

FUND DETAIL:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund			100%	100%
TOTAL:			100%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$581	\$50	\$1,000	\$4,000	\$6,000	\$950		\$12,581

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2083

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/95	06/11	\$650
DESIGN:	07/11	12/12	\$1,100
CONSTRUCTION:	01/13	06/15	\$10,831

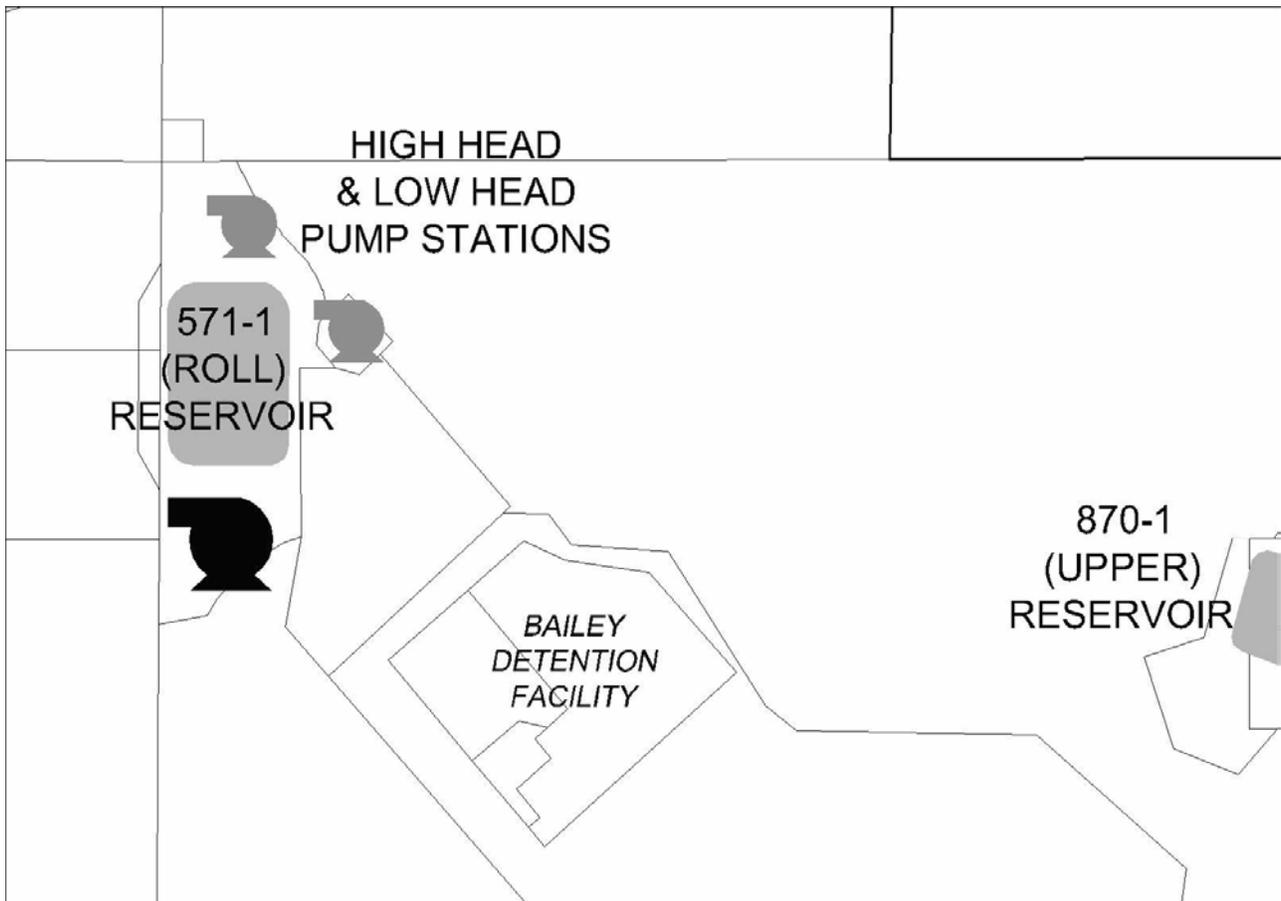
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1332

OWD Map Book: 55



Submitted By: Ron Ripperger

Date: 02/24/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2143

PROJECT TITLE: Res - 1296-3 Reservoir 2 MG

PROJECT MANAGER: Kay	DIRECTOR DIVISION: 5
ORIGINAL APPROVED DATE: 5/17/1995	I.D. LOCATION: 9
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$3,540,000

DESCRIPTION OF PROJECT:

Construction of a 2 million gallon steel reservoir on Otay WD property adjacent to the Otay WD existing 1296-1 and 1296-2 Reservoirs at the west terminus of Bear Mountain Way.

JUSTIFICATION OF PROJECT:

This project will provide additional storage in the 1296 Pressure Zone. The 1296 Pressure Zone has an existing storage deficiency of about 0.3 million gallons. Additional storage of about 12 million gallons is projected to be required at ultimate development.

COMMENTS:

FUND DETAIL:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
I.D. 9	100%			100%
TOTAL:	100%			100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$3,535	\$5						\$3,540

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2143

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	11/01	05/07	\$266
DESIGN:	06/07	08/08	\$398
CONSTRUCTION:	09/08	06/11	\$2,876

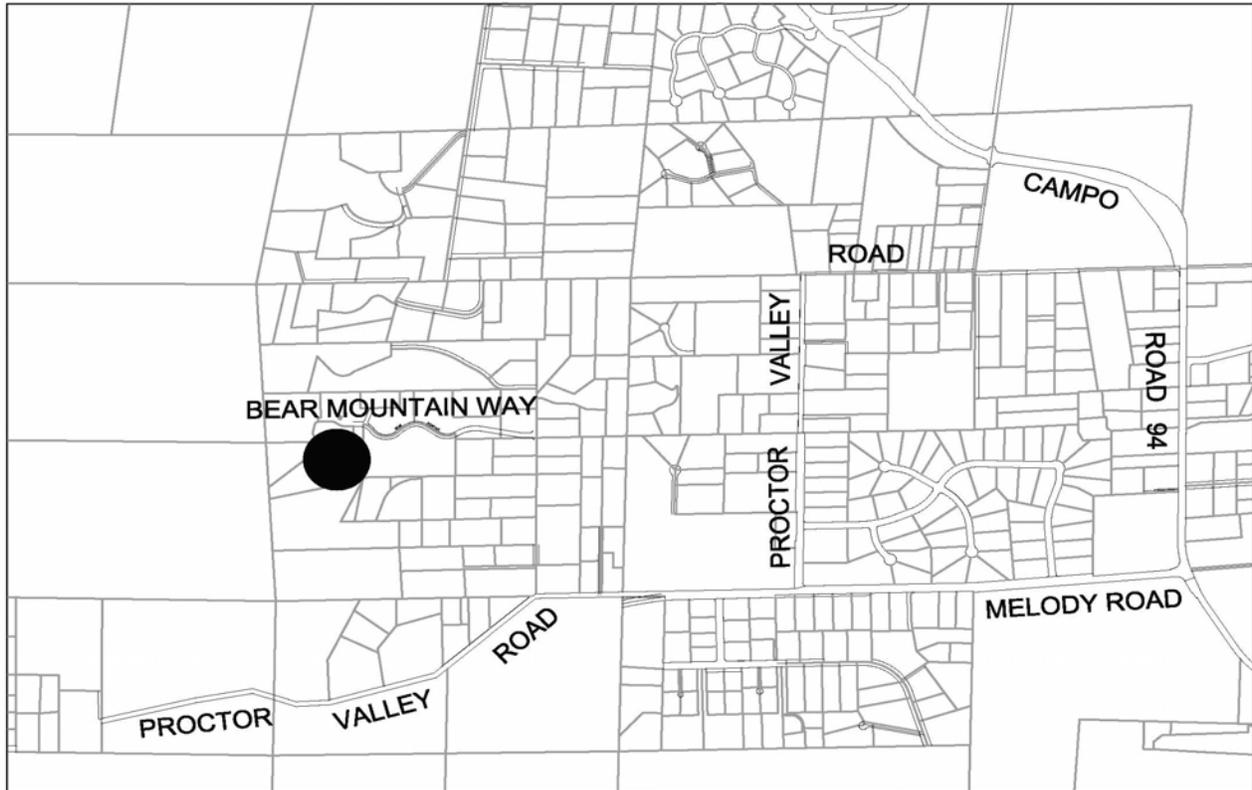
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	
	\$3,800	\$3,900	\$4,000	\$4,100	\$4,200	\$20,000

PROJECT LOCATION:

Thomas Bros. Map: 1292

OWD Map Book: 307



Submitted By: Daniel Kay

Date: 02/02/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2172

PROJECT TITLE: PS - 1485-1 Pump Station Replacement

PROJECT MANAGER: Ripperger	DIRECTOR DIVISION: 5
ORIGINAL APPROVED DATE: 6/16/1993	I.D. LOCATION: 9
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$2,475,000

DESCRIPTION OF PROJECT:

Construction of a new pump station to replace the existing pump station and to expand capacity as projected within the Water Resources Master Plan.

JUSTIFICATION OF PROJECT:

The existing pump station is near capacity and has reached the end of its useful life. The improved pump station systems and additional capacity are required to meet projected demands of the 1485 and higher pressure zones.

COMMENTS:

General Fund at 50% replacement and ID 9 at 50% betterment.

FUND DETAIL:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund			50%	50%
I.D. 9		50%		50%
TOTAL:		50%	50%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$2,470	\$5						\$2,475

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2172

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/01	06/07	\$155
DESIGN:	07/07	07/08	\$310
CONSTRUCTION:	08/08	06/11	\$2,010

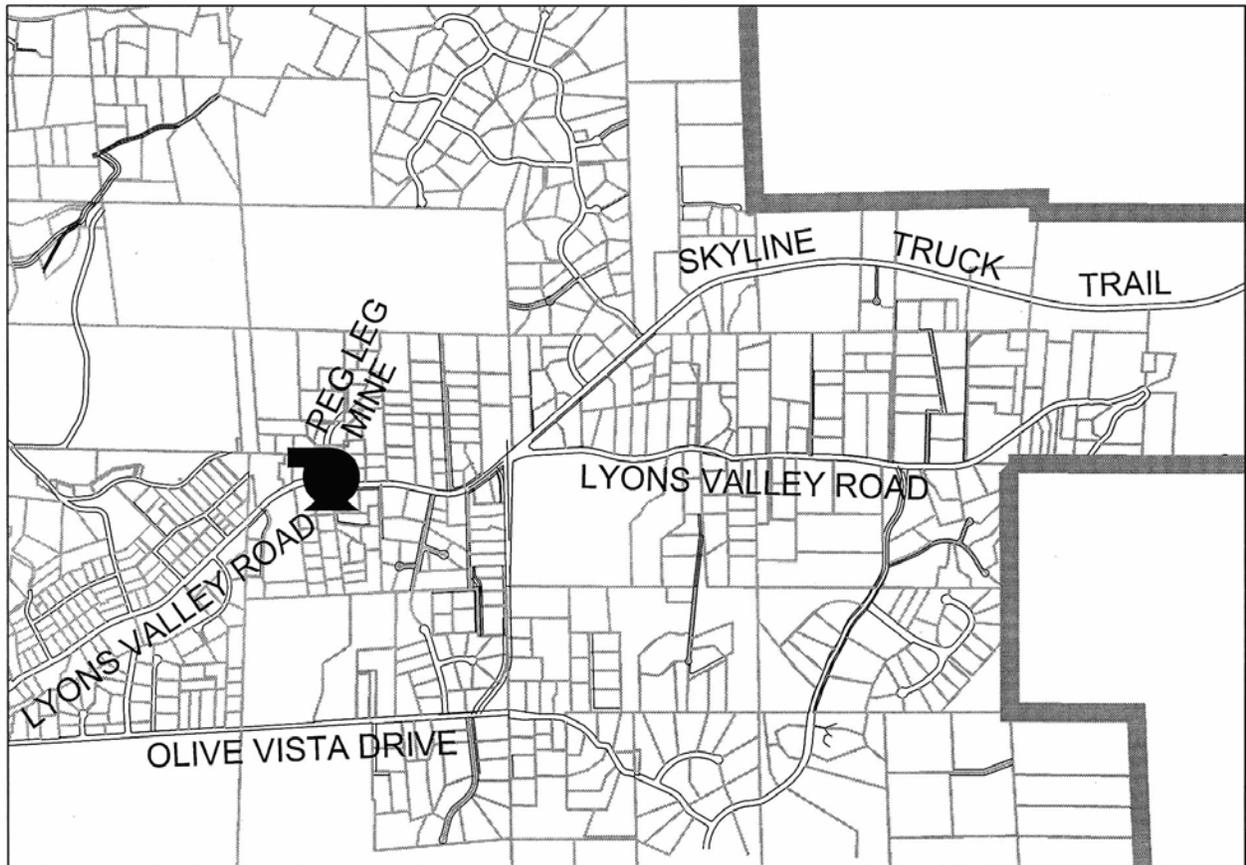
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	
	\$7,400	\$7,600	\$7,800	\$8,000	\$8,200	\$39,000

PROJECT LOCATION:

Thomas Bros. Map: 1272

OWD Map Book: 323



Submitted By: Ron Ripperger

Date: 02/24/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2191

PROJECT TITLE: Res - 850-4 Reservoir 2.2 MG

PROJECT MANAGER: Kay	DIRECTOR DIVISION: 3
ORIGINAL APPROVED DATE: 7/16/1997	I.D. LOCATION: 20
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$3,410,000

DESCRIPTION OF PROJECT:

Construction of a 2.2 million gallon steel reservoir on Otay WD property adjacent to the existing 850-2 Reservoir in the La Presa System 850 Pressure Zone. The project is located at the South terminus of Ledge Avenue in Spring Valley.

JUSTIFICATION OF PROJECT:

This project is required to increase operational, emergency, and fire storage in the 850 Pressure Zone. The 850 Pressure Zone storage is currently at capacity and will require this additional storage volume to meet the projected ultimate storage volume.

COMMENTS:

General Fund at 27% expansion and ID 20 at 73% betterment.

FUND DETAIL:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund	27%			27%
I.D. 20		73%		73%
TOTAL:	27%	73%		100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$3,405	\$5						\$3,410

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2191

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/03	12/04	\$270
DESIGN:	01/05	12/07	\$495
CONSTRUCTION:	01/08	06/11	\$2,645

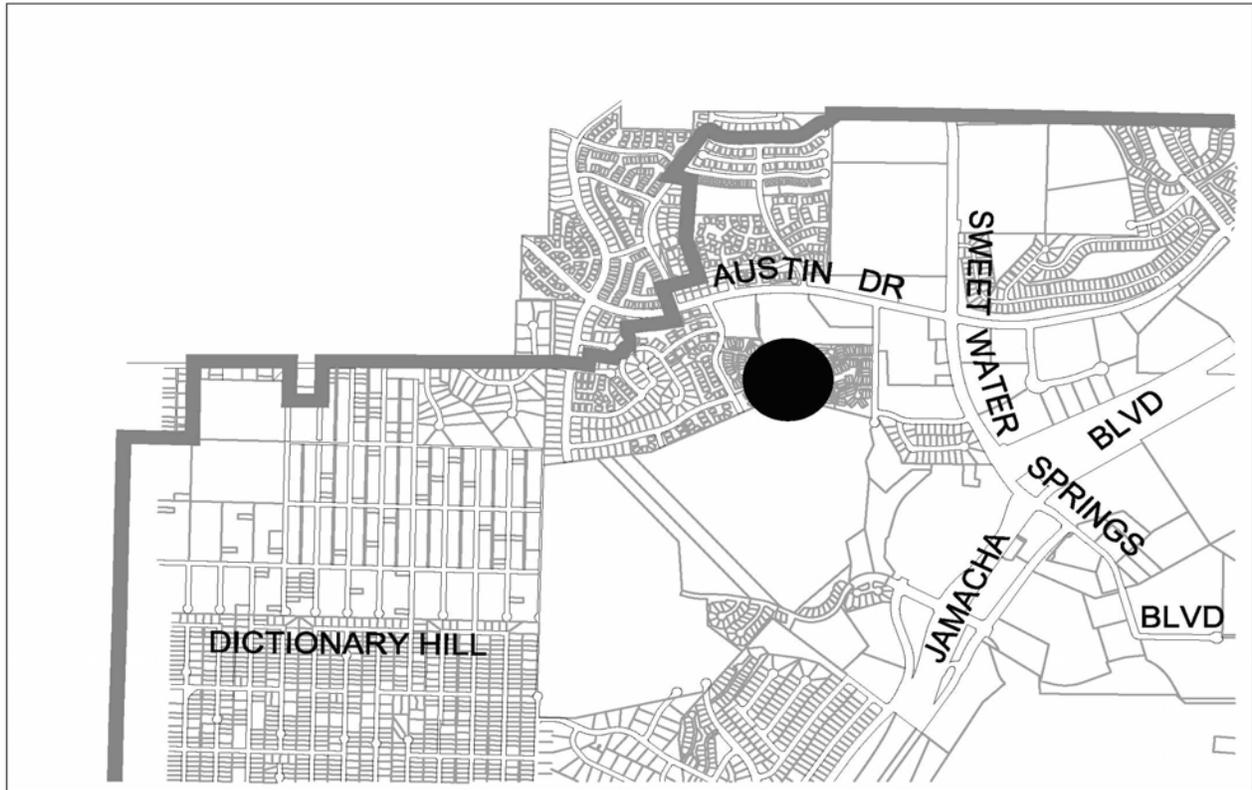
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	
	\$4,200	\$4,300	\$4,400	\$4,500	\$4,600	\$22,000

PROJECT LOCATION:

Thomas Bros. Map: 1291

OWD Map Book: 317



Submitted By: Daniel Kay

Date: 02/02/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2318

PROJECT TITLE: PL - 20-Inch, 657 Zone, Summit Cross-Tie and 36-Inch Main Connections

PROJECT MANAGER: Kennedy	DIRECTOR DIVISION: 3
ORIGINAL APPROVED DATE: 7/16/1997	I.D. LOCATION: 1
RELATED CIP PROJECTS: P2370	PRIORITY: 1
	BUDGET AMOUNT: \$600,000

DESCRIPTION OF PROJECT:

Construction of a 20-inch pipeline between the two existing 18-inch mains to allow for bypass of the existing 36-inch transmission main near the old San Diego County Water Authority Otay FCF No. 5 that was on Pipeline No. 3. Also includes construction of several system connections to the existing 36-inch transmission main within the La Presa System.

JUSTIFICATION OF PROJECT:

This will provide adequate and enhanced pipeline transmission capacity, increase reliability, and provide operational flexibility for the existing La Presa System network. This project is required when the 36-inch Jamacha Road pipeline is complete.

COMMENTS:

FUND DETAIL:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
North District Fee		100%		100%
TOTAL:		100%		100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$70	\$100	\$230	\$200				\$600

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2318

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	11/97	11/07	\$24
DESIGN:	01/11	12/12	\$66
CONSTRUCTION:	01/13	06/13	\$510

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	
			\$100	\$100	\$100	\$300

PROJECT LOCATION:

Thomas Bros. Map: 1291

OWD Map Book: 198



Submitted By: Bob Kennedy

Date: 02/19/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2357

PROJECT TITLE: PS - 657-1/850-1 Pump Station Demolition

PROJECT MANAGER: Kennedy	DIRECTOR DIVISION: 4
ORIGINAL APPROVED DATE: 5/23/2006	I.D. LOCATION: 20
RELATED CIP PROJECTS: P2471	PRIORITY: 2
	BUDGET AMOUNT: \$300,000

DESCRIPTION OF PROJECT:

This project is to demolish the 657-1 and 850-1 Pump Stations.

JUSTIFICATION OF PROJECT:

Since a pipeline has been constructed through the Pointe Development project and the 20-inch Trace Road pipeline is also constructed, these two old pump stations are no longer required. Thus their operating and maintenance costs will be eliminated.

COMMENTS:

FUND DETAIL:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
I.D. 20		100%		100%
TOTAL:		100%		100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
	\$50	\$250					\$300

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2357

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/06	07/10	\$12
DESIGN:	08/10	06/11	\$33
CONSTRUCTION:	07/11	06/12	\$255

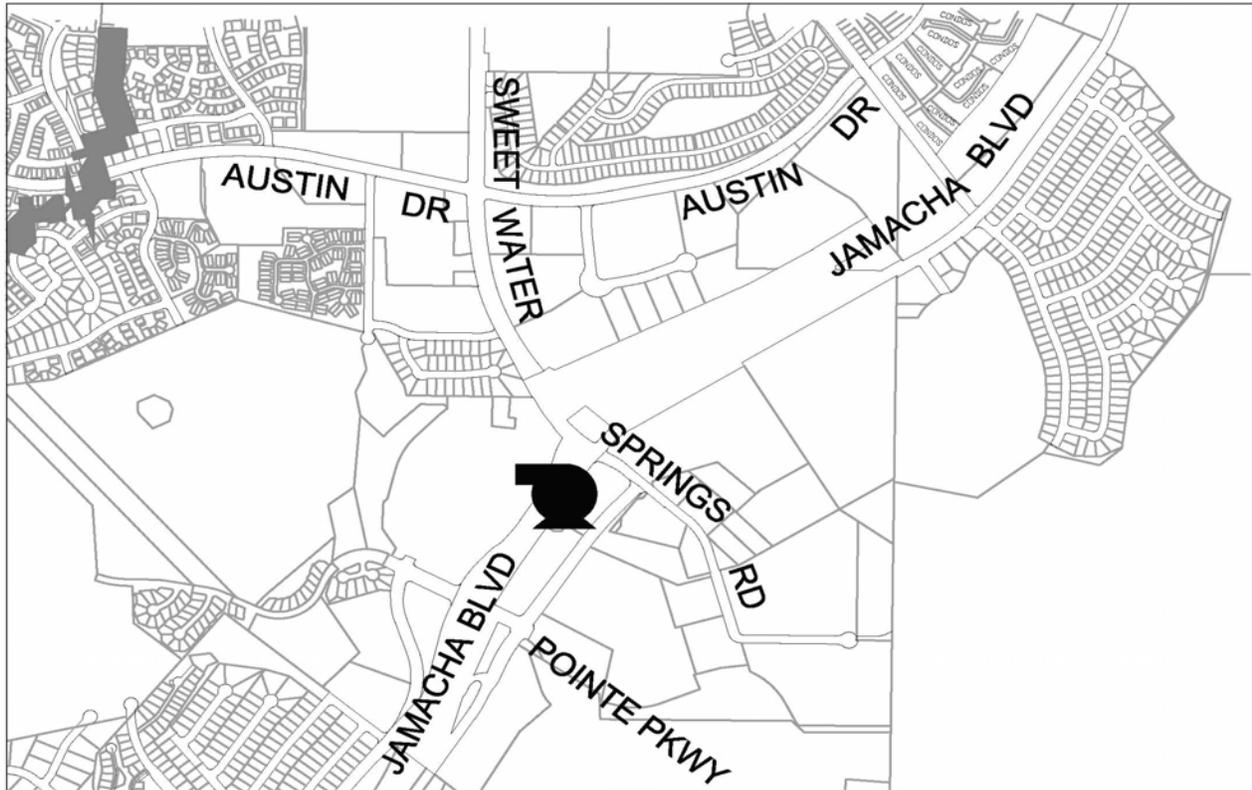
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	
		\$-44,400	\$-45,700	\$-47,100	\$-48,500	\$-185,700

PROJECT LOCATION:

Thomas Bros. Map: 1291

OWD Map Book: 317



Submitted By: Bob Kennedy

Date: 02/19/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2370

PROJECT TITLE: Res - Dorchester Reservoir and Pump Station Demolition

PROJECT MANAGER: Kennedy	DIRECTOR DIVISION: 3
ORIGINAL APPROVED DATE: 5/23/2005	I.D. LOCATION: 1
RELATED CIP PROJECTS: P2318	PRIORITY: 2
	BUDGET AMOUNT: \$150,000

DESCRIPTION OF PROJECT:

Demolish the existing Dorchester Reservoir and hydropneumatic pump station located on the same site along Dorchester Street.

JUSTIFICATION OF PROJECT:

The existing reservoir and hydropneumatic pump station are no longer required to serve customers.

COMMENTS:

This project will be included in the contract as for CIP P2318.

FUND DETAIL:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
I.D. 1		100%		100%
TOTAL:		100%		100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$13	\$67	\$70					\$150

**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	07/10	\$6
DESIGN:	08/10	06/11	\$17
CONSTRUCTION:	07/11	06/12	\$127

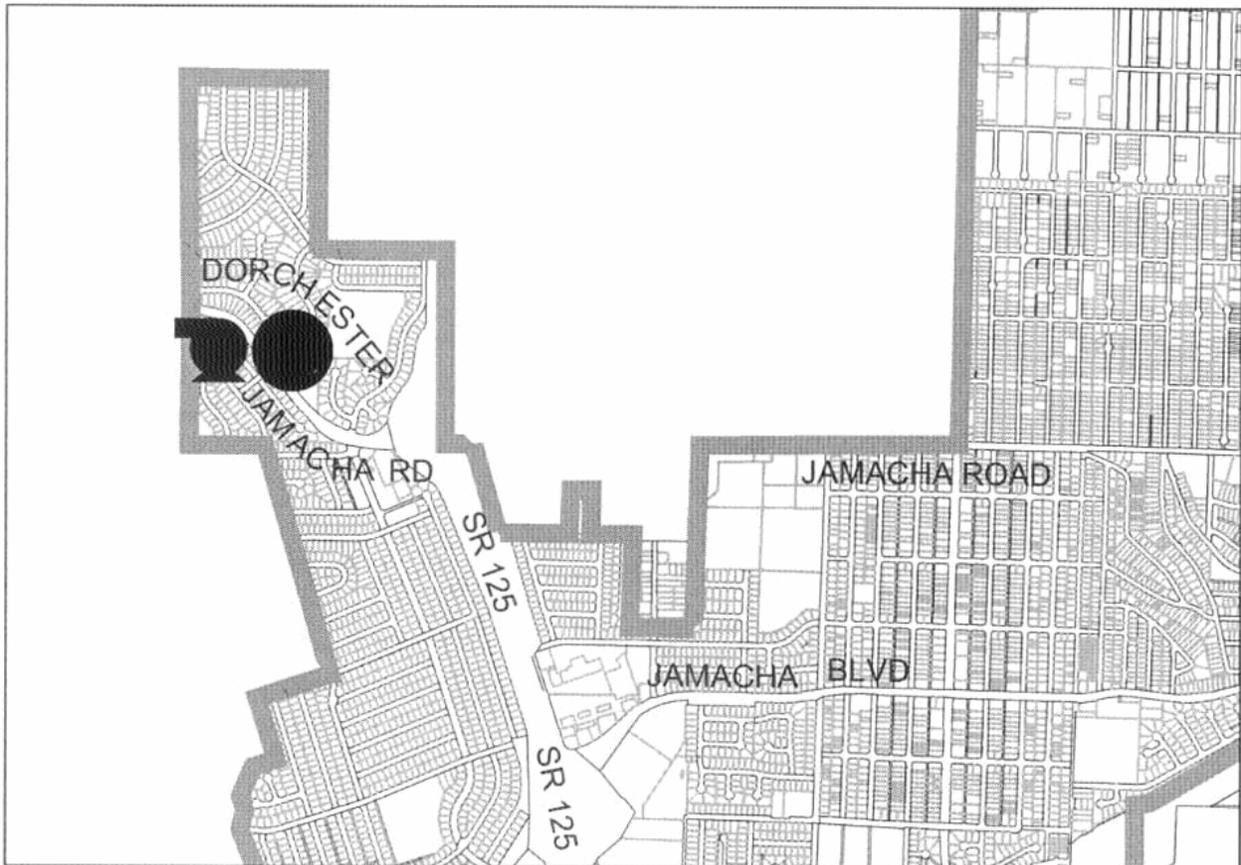
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	
		\$-4,800	\$-4,900	\$-5,000	\$-5,200	\$-19,900

PROJECT LOCATION:

Thomas Bros. Map: 1290

OWD Map Book: 301



Submitted By: Bob Kennedy

Date: 02/19/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2391

PROJECT TITLE: PS - Perdue WTP Pump Station (10,000 GPM)

PROJECT MANAGER: Peasley	DIRECTOR DIVISION: 3
ORIGINAL APPROVED DATE: 5/21/2009	I.D. LOCATION: 1
RELATED CIP PROJECTS: P2010	PRIORITY: 2
	BUDGET AMOUNT: \$11,900,000

DESCRIPTION OF PROJECT:

Construction of 10,000 gallons per minute pump station to obtain treated water from the Sweetwater Authority Perdue Water Treatment Plant.

JUSTIFICATION OF PROJECT:

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

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%			40%
Various I.D.'s		60%		60%
TOTAL:	40%	60%		100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$13	\$5	\$182	\$300	\$2,700	\$4,700	\$4,000	\$11,900

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2391

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	01/10	06/12	\$208
DESIGN:	07/12	06/13	\$572
CONSTRUCTION:	07/13	06/16	\$11,120

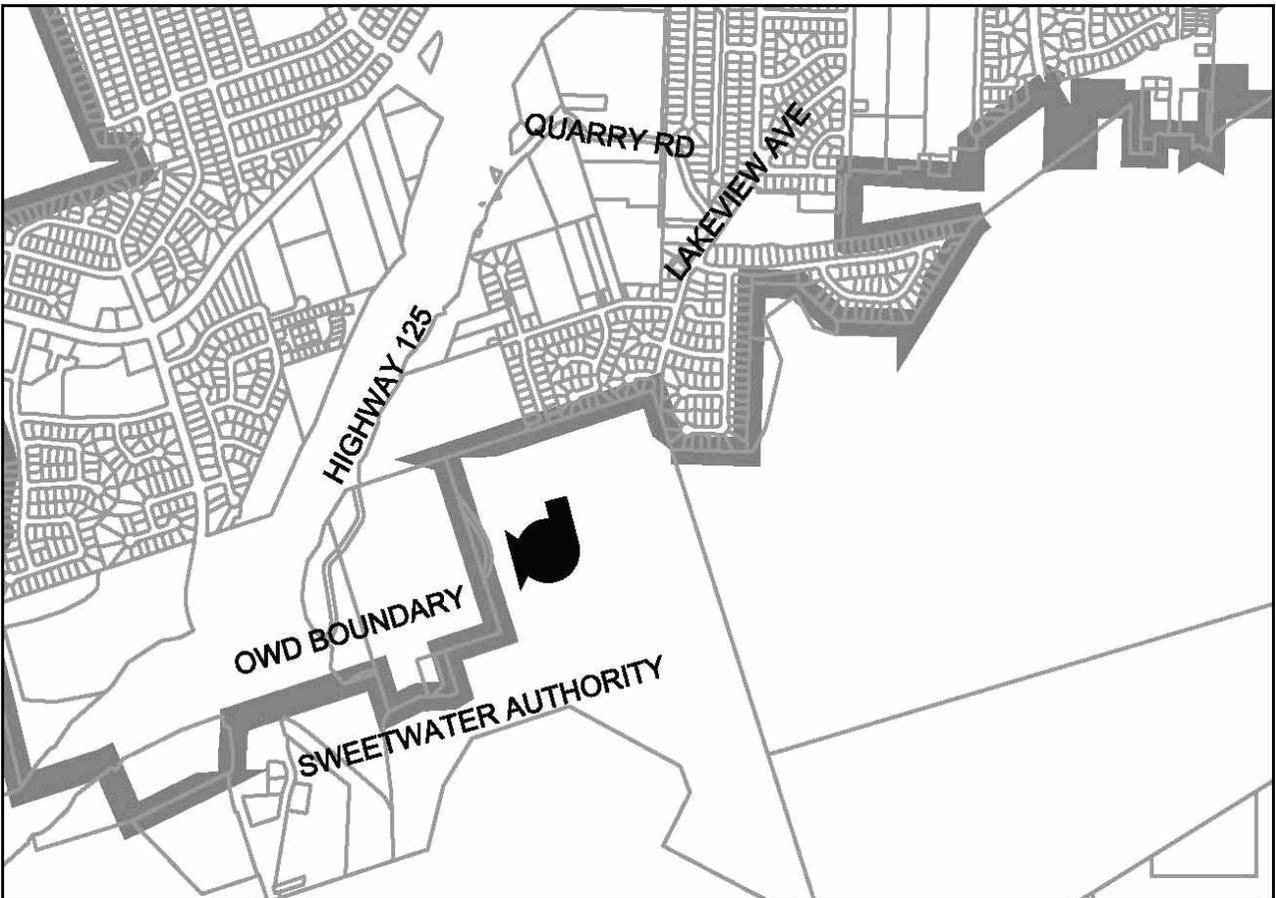
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1291

OWD Map Book: 184



Submitted By: James Peasley

Date: 02/19/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2399

PROJECT TITLE: PL - 30-Inch, 980 Zone, 980 Reservoirs to Hunte Parkway

PROJECT MANAGER: Ripperger	DIRECTOR DIVISION: 4
ORIGINAL APPROVED DATE: 6/2/2004	I.D. LOCATION: 22
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$3,600,000

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:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
I.D. 22	100%			100%
TOTAL:	100%			100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$2,740	\$200	\$650	\$10				\$3,600

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2399

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	01/04	09/10	\$200
DESIGN:	10/10	06/11	\$600
CONSTRUCTION:	07/11	06/13	\$2,800

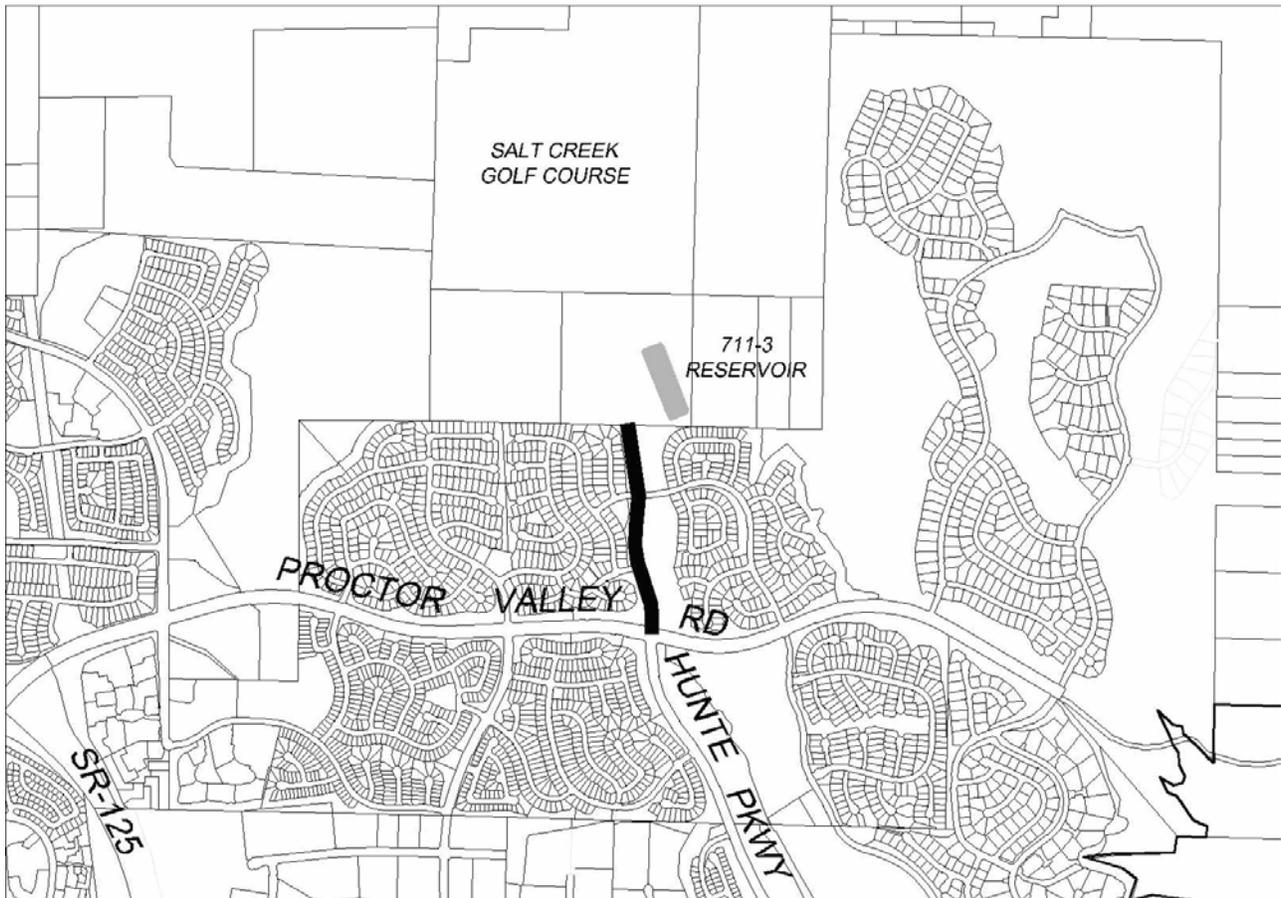
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	
			\$700	\$700	\$700	\$2,100

PROJECT LOCATION:

Thomas Bros. Map: 1311

OWD Map Book: 159



Submitted By: Ron Ripperger

Date: 02/24/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2431

PROJECT TITLE: Res - 980-4 Reservoir 5 MG

PROJECT MANAGER:	Ripperger	DIRECTOR DIVISION:	-
ORIGINAL APPROVED DATE:		I.D. LOCATION:	22
RELATED CIP PROJECTS:		PRIORITY:	5
		BUDGET AMOUNT:	\$5,900,000

DESCRIPTION OF PROJECT:

Construction of a 5.0 million gallon steel reservoir on property to be acquired in the Central Area System 980 Pressure Zone. The project is to be located within the Otay Ranch Company Village 13 or Resort Parcel.

JUSTIFICATION OF PROJECT:

This project is required to increase operational, emergency, and fire storage in the 980 Pressure Zone. The 980 Pressure Zone storage is currently under capacity and will require this additional storage volume to meet the projected ultimate storage volume needs of the Village 13.

COMMENTS:

FUND DETAIL:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
I.D. 22	100%			
TOTAL:	100%			100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
	\$5	\$45	\$1,000	\$4,800	\$50		\$5,900

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2431

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	01/11	09/11	\$100
DESIGN:	10/11	06/13	\$800
CONSTRUCTION:	07/13	06/15	\$5,000

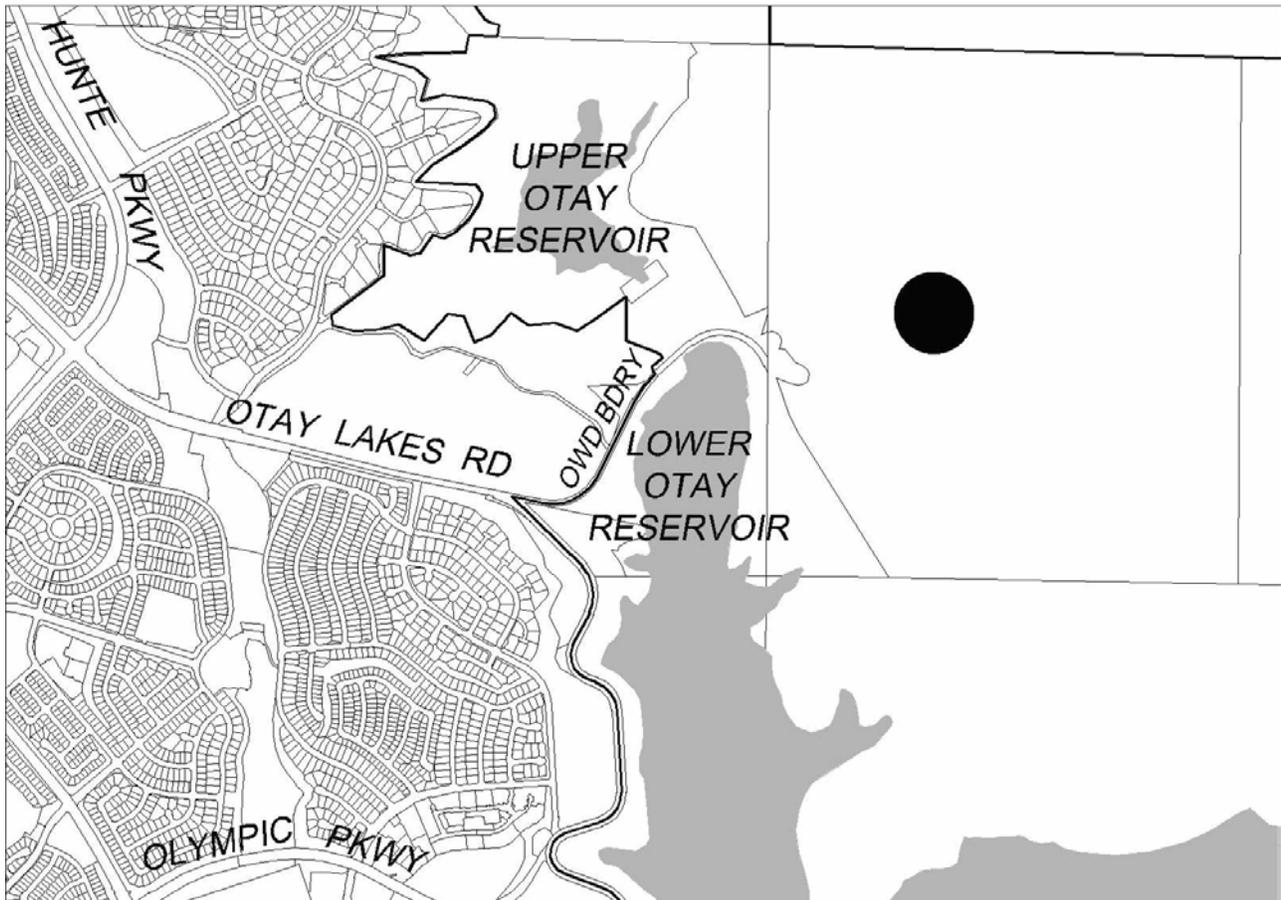
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	
					\$9,400	\$9,400

PROJECT LOCATION:

Thomas Bros. Map: 1292

OWD Map Book: 133



Submitted By: Ron Ripperger

Date: 02/24/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2434

PROJECT TITLE: Rancho Del Rey Groundwater Well Development

PROJECT MANAGER: Peasley	DIRECTOR DIVISION: 22
ORIGINAL APPROVED DATE: 5/21/2009	I.D. LOCATION: 2
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$4,250,000

DESCRIPTION OF PROJECT:

Production well development of approximately 300 gallons per minute for potable water use.

JUSTIFICATION OF PROJECT:

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

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%			40%
Various I.D.'s		60%		60%
TOTAL:	40%	60%		100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$1,500	\$1,000	\$1,500	\$250				\$4,250

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2434

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/94	06/10	\$146
DESIGN:	07/10	11/10	\$402
CONSTRUCTION:	12/10	06/13	\$3,702

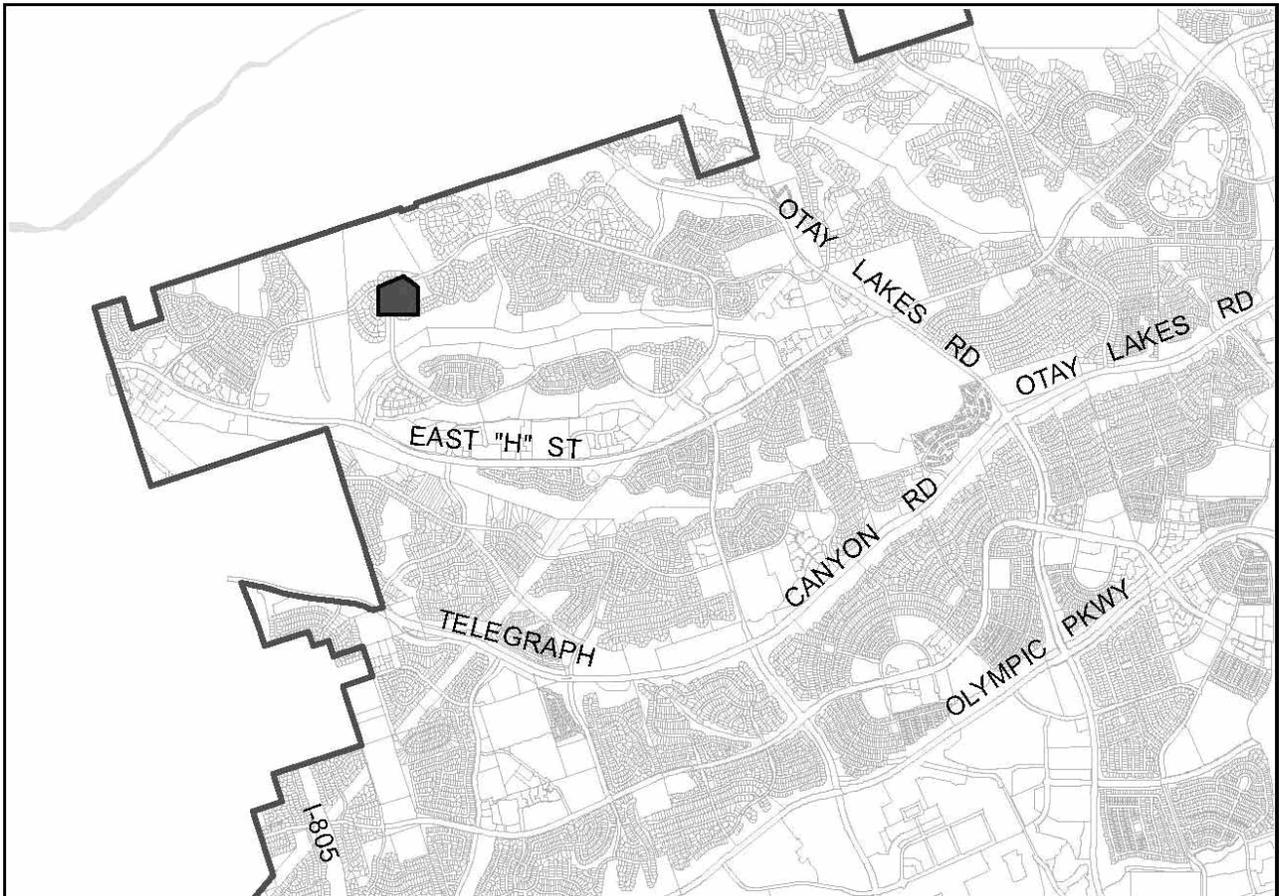
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	
			\$5,900	\$6,100	\$6,300	\$18,300

PROJECT LOCATION:

Thomas Bros. Map: 1310

OWD Map Book: 127



Submitted By: James Peasley

Date: 02/19/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2451

PROJECT TITLE: Rosarito Desalination Facility Conveyance and Disinfection System

PROJECT MANAGER: Kennedy	DIRECTOR DIVISION: District Wide
ORIGINAL APPROVED DATE: 5/23/2006	I.D. LOCATION: District Wide
RELATED CIP PROJECTS: P2083	PRIORITY: 1
	BUDGET AMOUNT: \$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:

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%			40%
Various I.D.'s		60%		60%
TOTAL:	40%	60%		100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$300	\$1,000	\$12,000	\$12,500	\$4,200			\$30,000

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2451

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/06	06/11	\$1,200
DESIGN:	07/11	06/12	\$3,300
CONSTRUCTION:	07/12	06/14	\$25,500

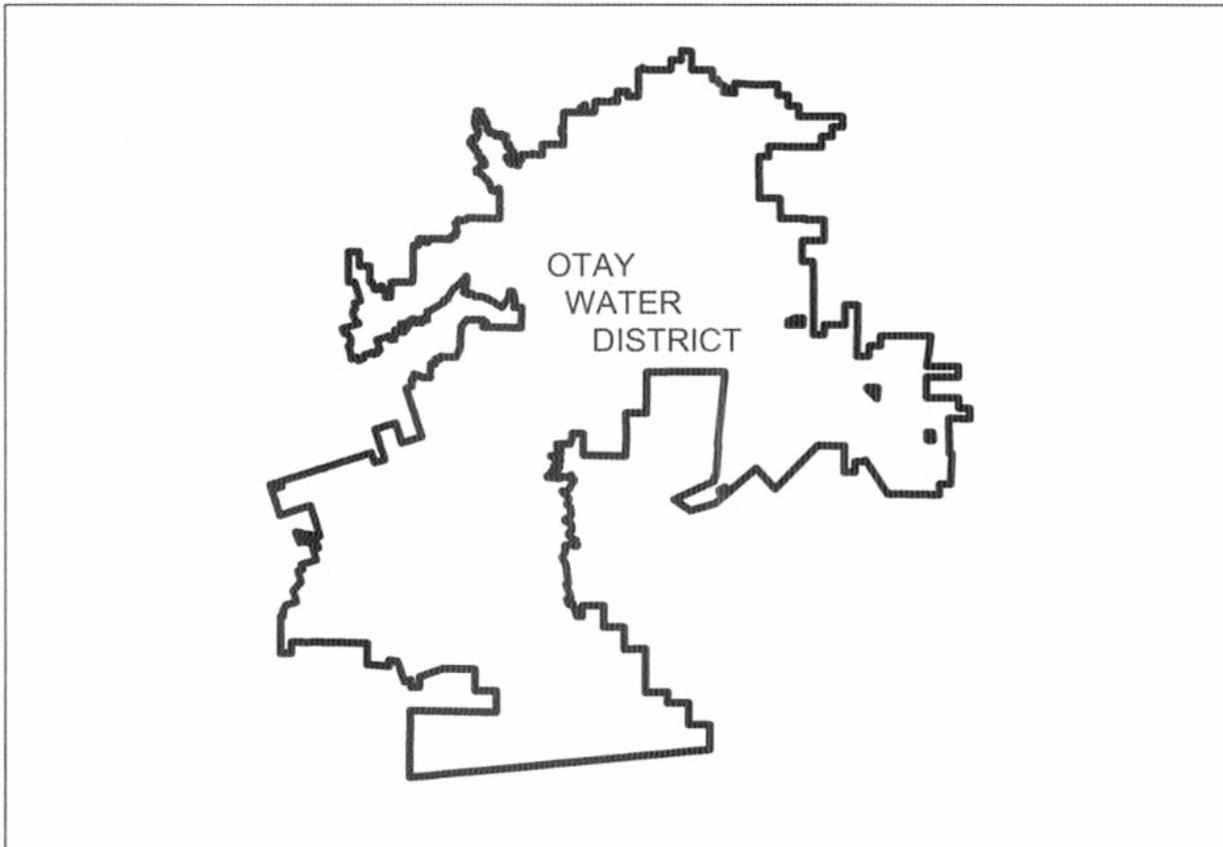
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	
				\$3,400	\$3,500	\$6,900

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Bob Kennedy

Date: 02/19/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2466

PROJECT TITLE: Regional Training Facility

PROJECT MANAGER: Coburn-Boyd	DIRECTOR DIVISION: 5
ORIGINAL APPROVED DATE: 5/29/2007	I.D. LOCATION: 20
RELATED CIP PROJECTS: P2504	PRIORITY: 1
	BUDGET AMOUNT: \$252,000

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%			40%
Various I.D.'s		60%		60%
TOTAL:	40%	60%		100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$228	\$24						\$252

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2466

PROJECT SCHEDULE:

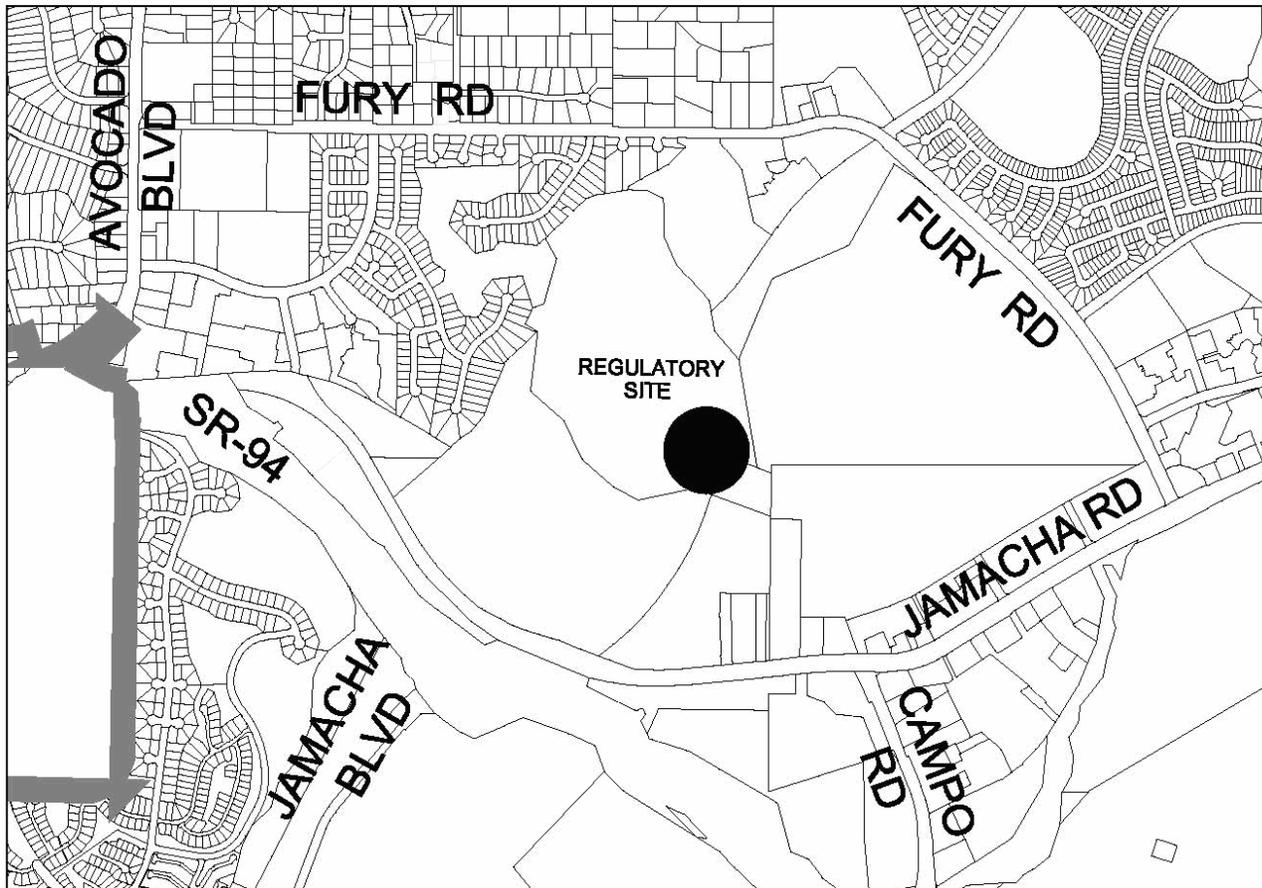
PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	08/06	06/11	\$252
DESIGN:			
CONSTRUCTION:			

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION: Thomas Bros. Map: 1271

OWD Map Book: 343



Submitted By: Lisa Coburn-Boyd

Date: 02/22/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2467

PROJECT TITLE: San Diego Formation Groundwater Feasibility Study

PROJECT MANAGER: Peasley	DIRECTOR DIVISION: District Wide
ORIGINAL APPROVED DATE: 5/29/2007	I.D. LOCATION: District Wide
RELATED CIP PROJECTS: P2450	PRIORITY: 1
	BUDGET AMOUNT: \$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:

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%. 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
General Fund	40%			40%
Various I.D.'s		60%		60%
TOTAL:	40%	60%		100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$800	\$600	\$400					\$1,800

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2467

PROJECT SCHEDULE:

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

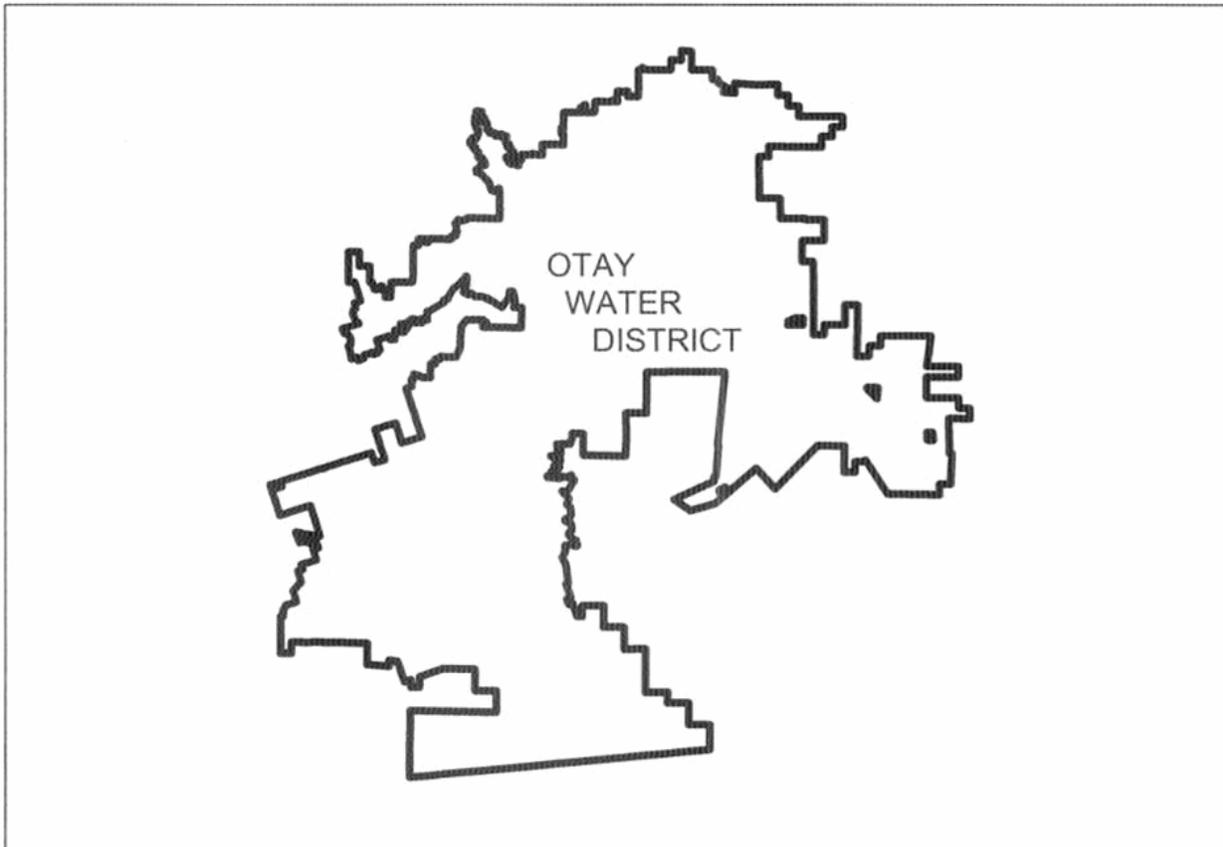
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: James Peasley

Date: 02/19/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2471

PROJECT TITLE: 850/657 PRS at La Presa Pump Station

PROJECT MANAGER: Ripperger	DIRECTOR DIVISION: 4
ORIGINAL APPROVED DATE: 6/23/2008	I.D. LOCATION: 20
RELATED CIP PROJECTS: P2357	PRIORITY: 1
	BUDGET AMOUNT: \$310,000

DESCRIPTION OF PROJECT:

Construct a 850 to 657 Pressure Zone pressure reducing station at the La Presa Pump Station. The project consists of installing pressure reducing valves and installation of SCADA monitoring systems.

JUSTIFICATION OF PROJECT:

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%
TOTAL:		100%		100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$70	\$240						\$310

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2471

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/08	03/09	\$12
DESIGN:	04/10	10/10	\$34
CONSTRUCTION:	11/10	06/11	\$264

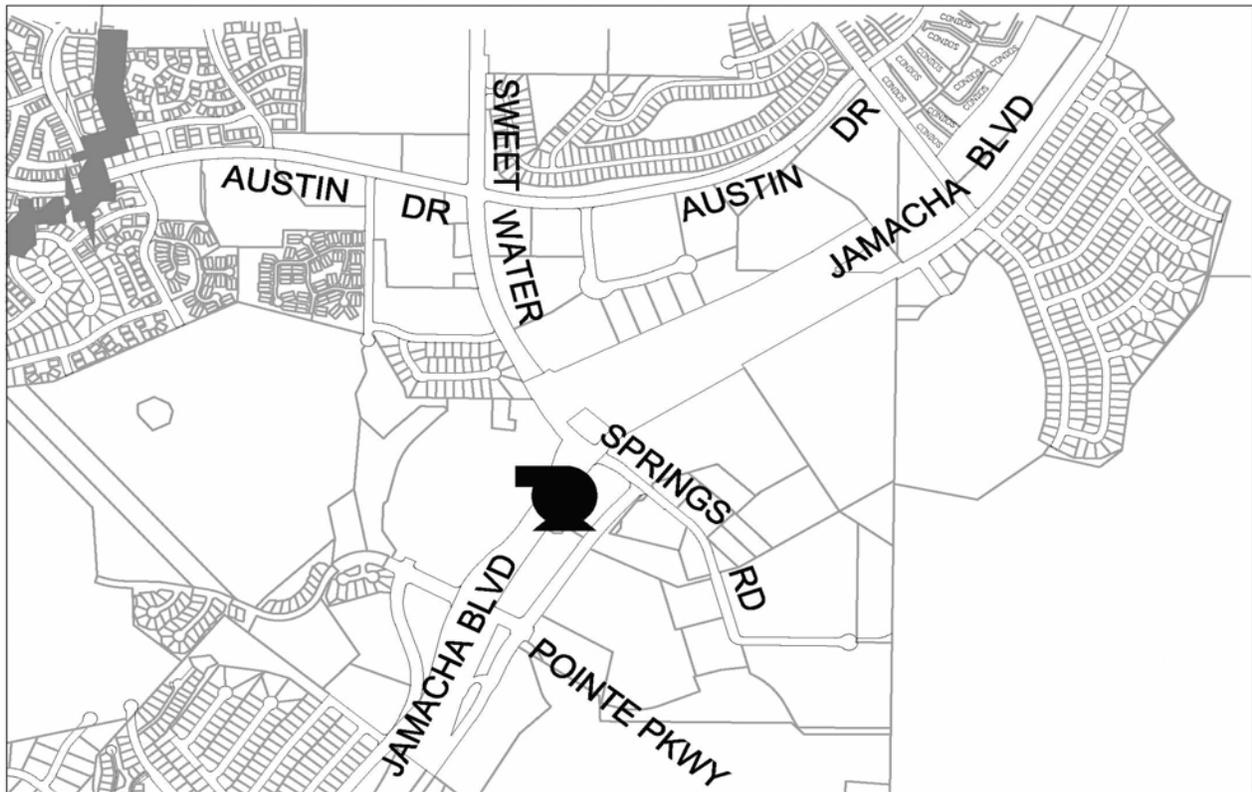
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1291

OWD Map Book: 317



Submitted By: Ron Ripperger

Date: 02/24/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2472

PROJECT TITLE: Water Supply Feasibility Studies

PROJECT MANAGER: Peasley	DIRECTOR DIVISION: District Wide
ORIGINAL APPROVED DATE: 6/23/2008	I.D. LOCATION: District Wide
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$175,000

DESCRIPTION OF PROJECT:

This project provides funding for general water supply feasibility planning study efforts that benefit existing and future customers.

JUSTIFICATION OF PROJECT:

Implementation of the Integrated Water Resources Plan to enhance reliability, achieve diversification, increase flexibility, etc. require funding to continue to pursue alternative supply opportunities, etc.

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%			40%
Various I.D.'s		60%		60%
TOTAL:	40%	60%		100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$25	\$30	\$30	\$30	\$30	\$30		\$175

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2472

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/08	06/15	\$175
DESIGN:			
CONSTRUCTION:			

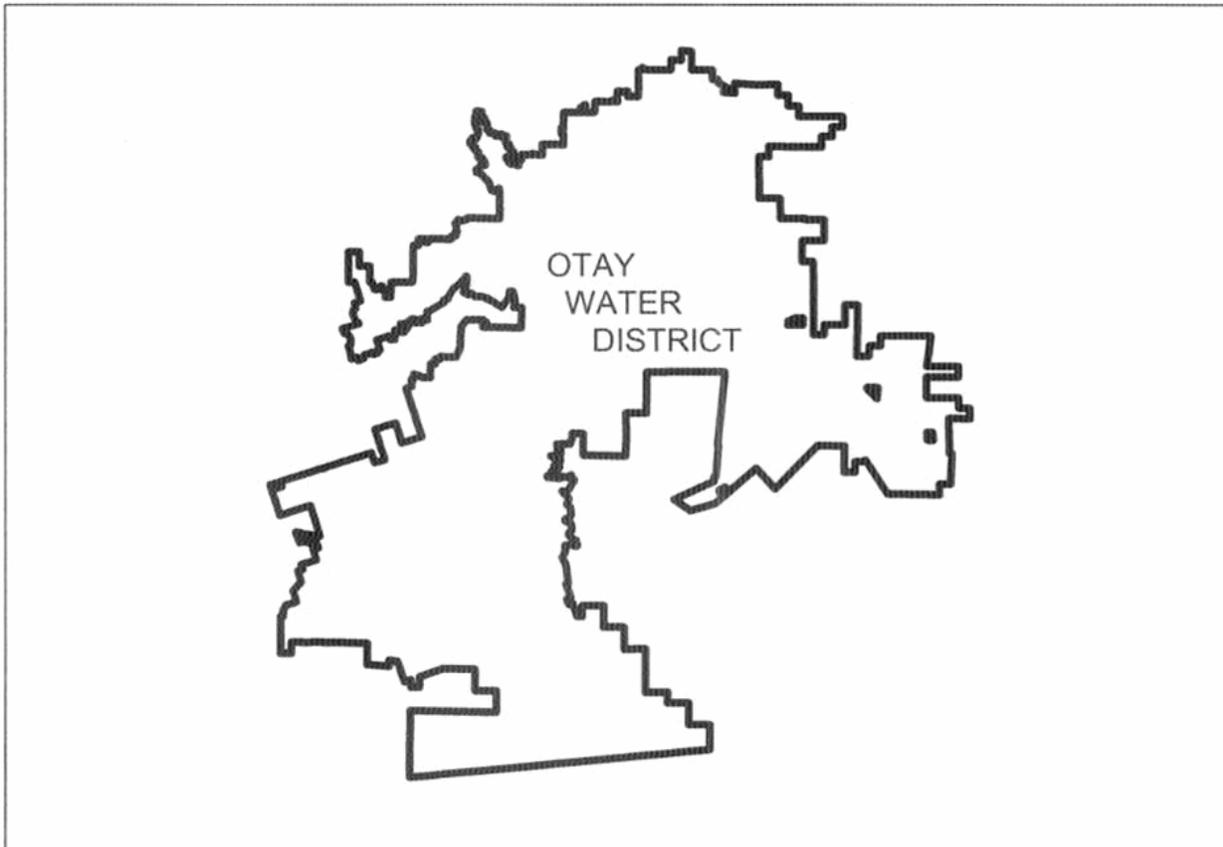
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: James Peasley

Date: 02/19/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2473

PROJECT TITLE: PS - 711-1 Pump Station Improvement

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

DESCRIPTION OF PROJECT:

Replace existing pumps and potentially the suction manifold at the 711-1 Pump Station to resolve vibration and cavitation issues.

JUSTIFICATION OF PROJECT:

This project is to redesign the existing suction system and 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%
TOTAL:			100%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$50	\$200	\$250					\$500

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2473

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	01/09	04/09	\$17
DESIGN:	05/09	10/10	\$47
CONSTRUCTION:	11/10	06/12	\$436

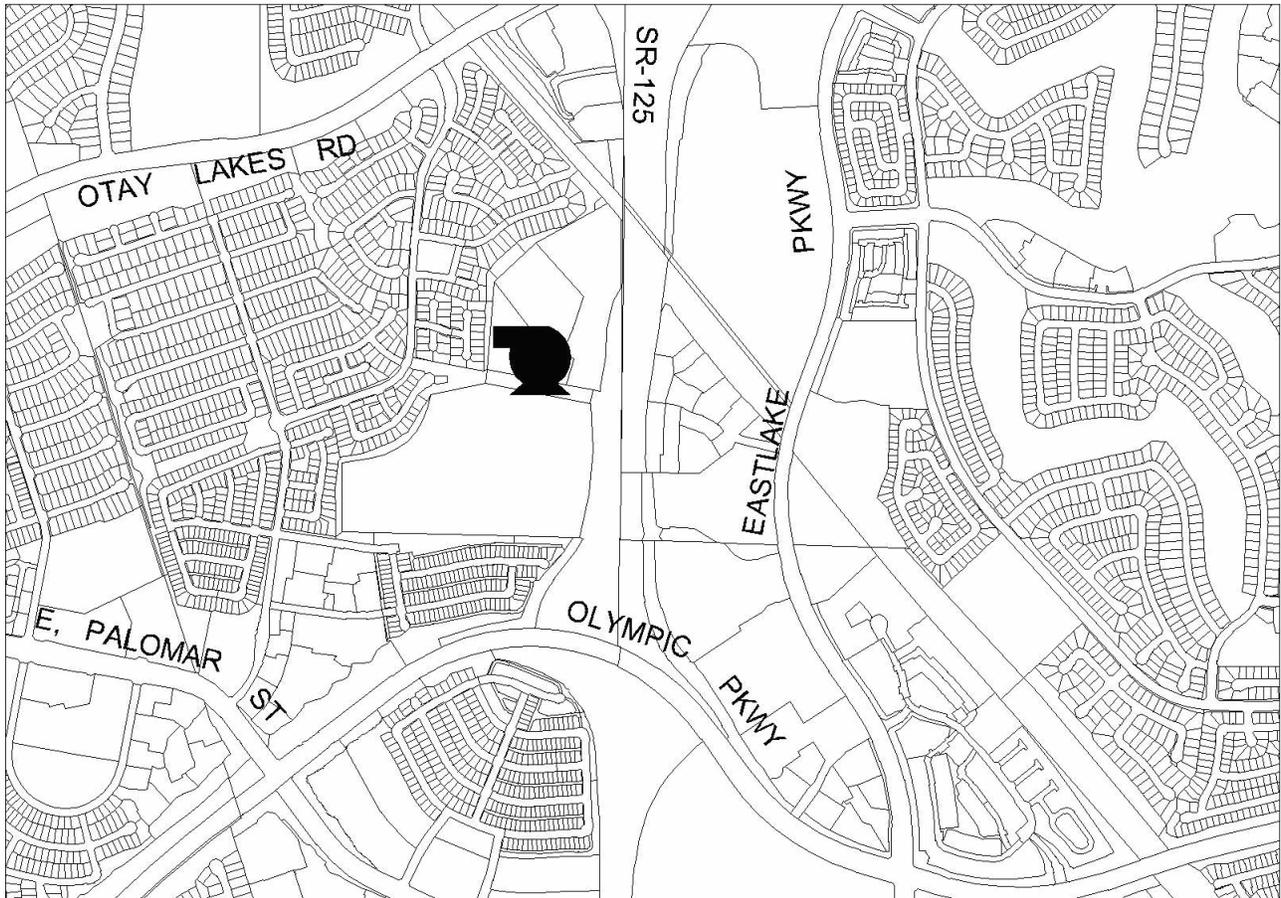
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1311

OWD Map Book: 114



Submitted By: Ron Ripperger

Date: 02/24/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2474

PROJECT TITLE: Fuel Storage Covers and Containment

PROJECT MANAGER: Kennedy	DIRECTOR DIVISION: District Wide
ORIGINAL APPROVED DATE: 6/23/2008	I.D. LOCATION: District Wide
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$120,000

DESCRIPTION OF PROJECT:

Construction of eight permanent covers for remote pump station diesel fuel storage tanks and one fuel containment system at the 870-1 Pump Station.

JUSTIFICATION OF PROJECT:

The existing diesel fuel tanks are exposed to direct sunlight and the elements causing extreme temperature fluctuations which promotes fuel contamination problems from condensation and algae growth. The 870-1 Pump Station requires a fuel spill containment system.

COMMENTS:

The fuel storage tanks supply a fuel source to the emergency engine/generator sets and direct engine driven pumping units. General Fund at 40% expansion and 60% replacement..

FUND DETAIL:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund	40%		60%	100%
TOTAL:	40%		60%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$20	\$50	\$50					\$120

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2474

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/08	06/09	\$5
DESIGN:	07/09	12/09	\$15
CONSTRUCTION:	01/10	06/12	\$100

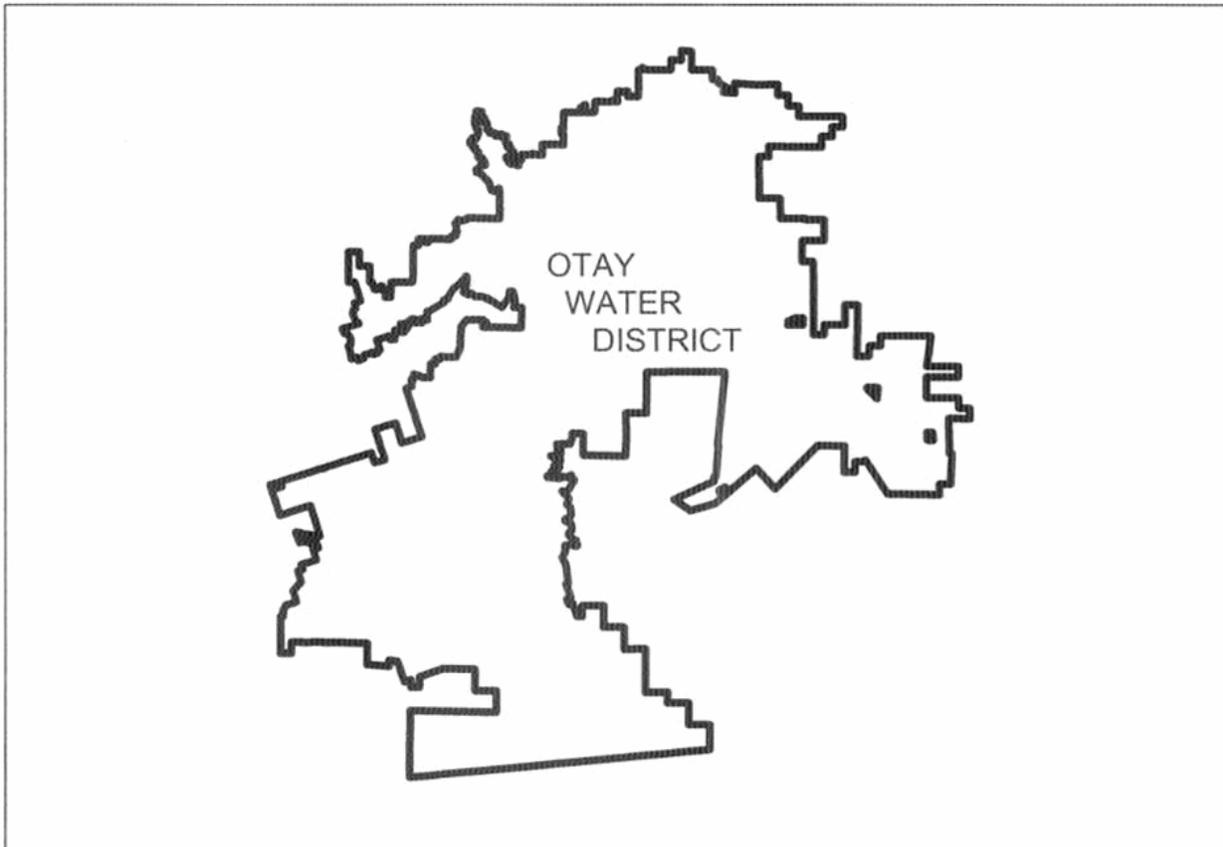
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Bob Kennedy

Date: 02/19/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2475

PROJECT TITLE: Pump Station Fire Hydrant Installations

PROJECT MANAGER:	Kennedy	DIRECTOR DIVISION:	District Wide
ORIGINAL APPROVED DATE:	6/23/2008	I.D. LOCATION:	District Wide
RELATED CIP PROJECTS:		PRIORITY:	1
		BUDGET AMOUNT:	\$55,000

DESCRIPTION OF PROJECT:

This project is to provide funding for the installation of fire hydrants near pump stations where required and installation of fine mesh screens for wind blown debris control.

JUSTIFICATION OF PROJECT:

The project is required to lower the risk of wild fire related hazards.

COMMENTS:

FUND DETAIL:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund			100%	100%
TOTAL:			100%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$10	\$45						\$55

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2475

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:			
DESIGN:			
CONSTRUCTION:	04/09	06/11	\$55

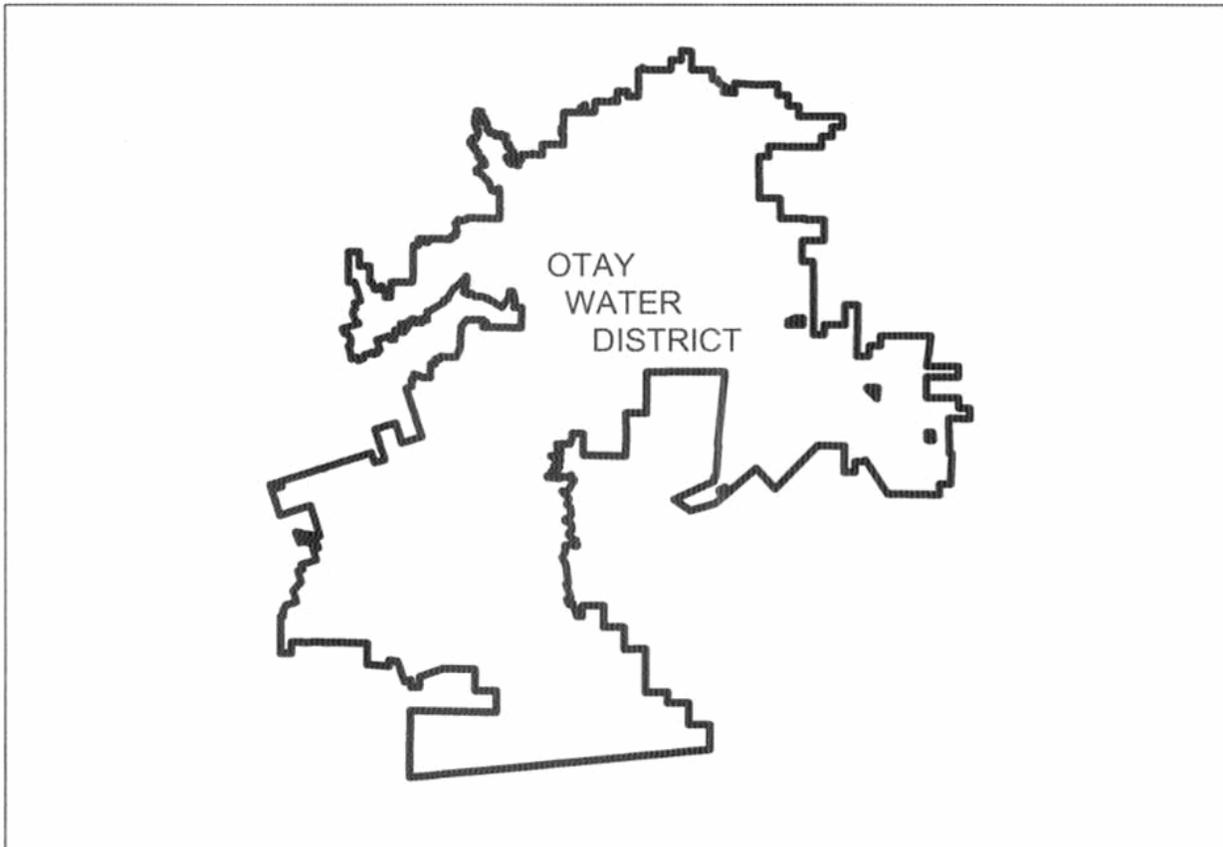
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	
2011	2012	2013	2014	2015	2016	TOTAL
						\$0.00

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Bob Kennedy

Date: 02/19/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2481

PROJECT TITLE: Middle Sweetwater River Basin Groundwater Well Feasibility

PROJECT MANAGER: Peasley	DIRECTOR DIVISION: 5
ORIGINAL APPROVED DATE: 5/21/2009	I.D. LOCATION: 20
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$1,820,000

DESCRIPTION OF PROJECT:

Production well development of approximately 1,000 acre feet per year for potable water use.

JUSTIFICATION OF PROJECT:

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

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%			40%
Various I.D.'s		60%		60%
TOTAL:	40%	60%		100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$1,000	\$50	\$770					\$1,820

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2481

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/08	12/10	\$30
DESIGN:	01/11	12/11	\$450
CONSTRUCTION:	01/12	06/12	\$1,340

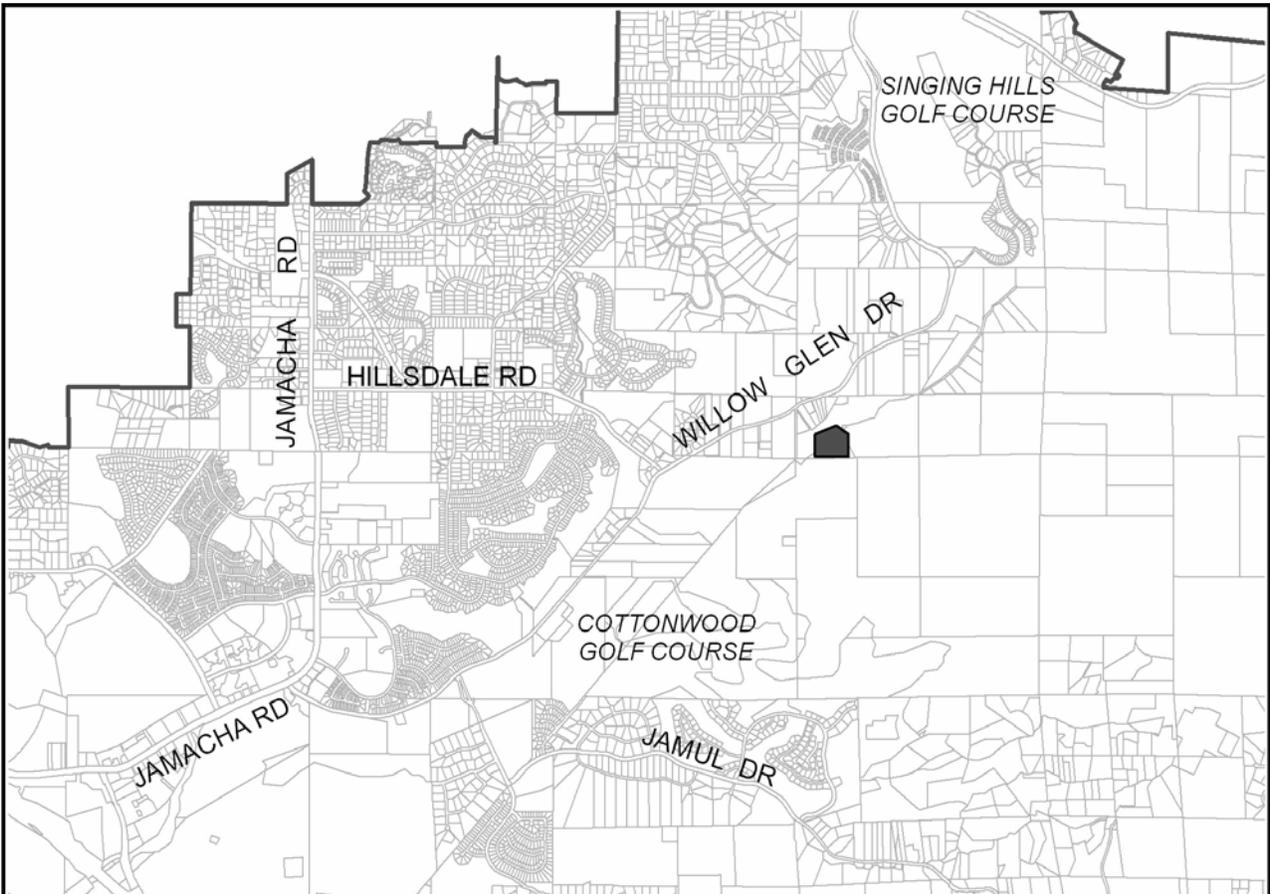
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016		
		\$8,900	\$9,200	\$9,500	\$9,800		\$37,400

PROJECT LOCATION:

Thomas Bros. Map: 1272

OWD Map Book: 357



Submitted By: James Peasley

Date: 02/19/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2488

PROJECT TITLE: Del Rio Road Helix and Otay Agency Interconnection

PROJECT MANAGER: Kay	DIRECTOR DIVISION: 3
ORIGINAL APPROVED DATE: 5/21/2009	I.D. LOCATION: 20
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$150,000

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:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund	40%			40%
Various I.D.'s		60%		60%
TOTAL:	40%	60%		100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$25	\$120	\$5					\$150

**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	06/12	\$127

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1271

OWD Map Book: 342



Submitted By: Daniel Kay

Date: 02/02/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2489

PROJECT TITLE: Gillispie Drive Helix and Otay Agency Interconnection

PROJECT MANAGER: Kay	DIRECTOR DIVISION: 3
ORIGINAL APPROVED DATE: 5/21/2009	I.D. LOCATION: 1
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$150,000

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:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund	40%			40%
Various I.D.'s		60%		60%
TOTAL:	40%	60%		100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$10	\$135	\$5					\$150

**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	06/12	\$127

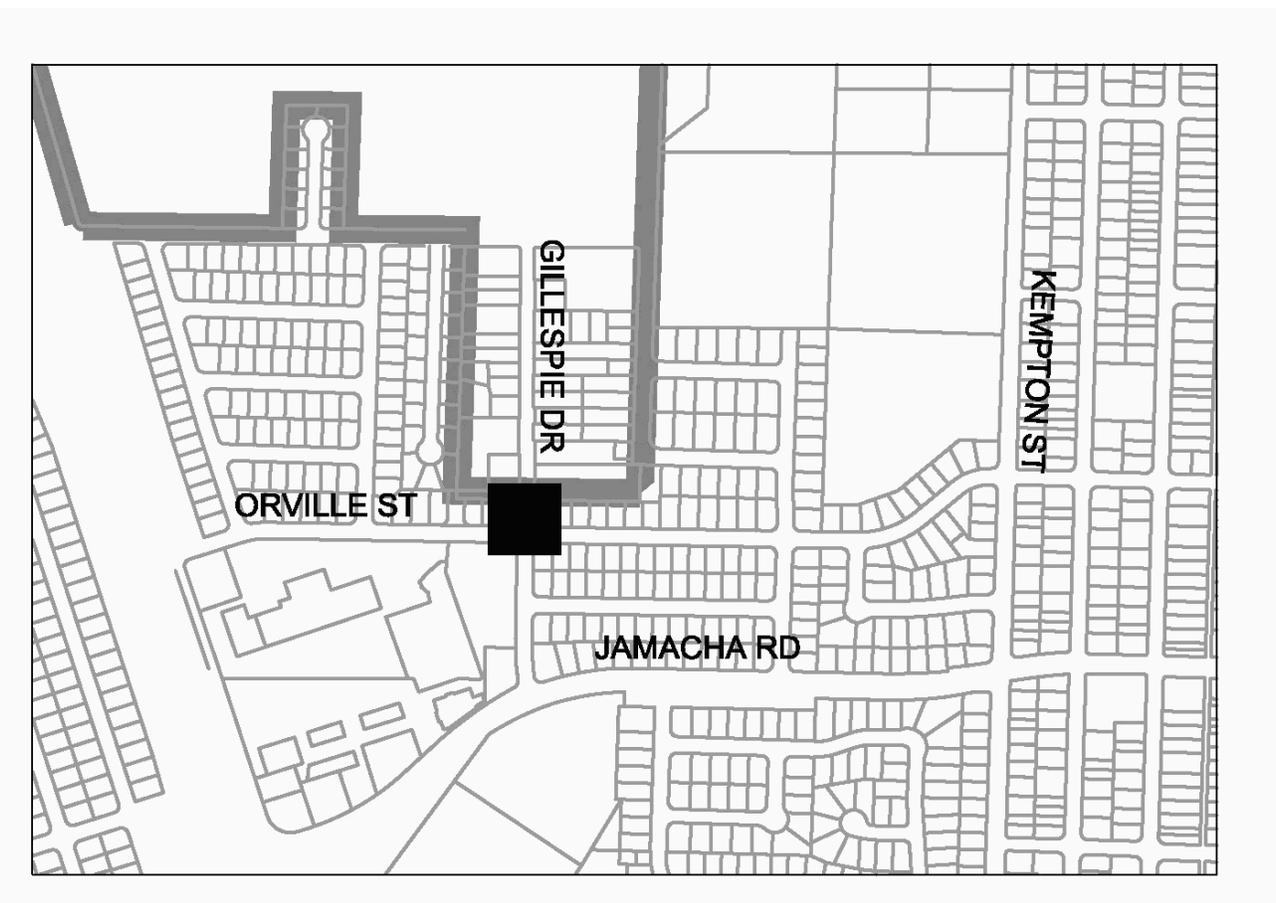
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1291

OWD Map Book: 302



Submitted By: Daniel Kay

Date: 02/02/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2497

PROJECT TITLE: Solar Power Feasibility Study

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

DESCRIPTION OF PROJECT:

This project provides funding of a feasibility study to asses 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:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund	100%			100%
TOTAL:	100%			100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$100	\$150						\$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	06/12	\$250
DESIGN:			
CONSTRUCTION:			

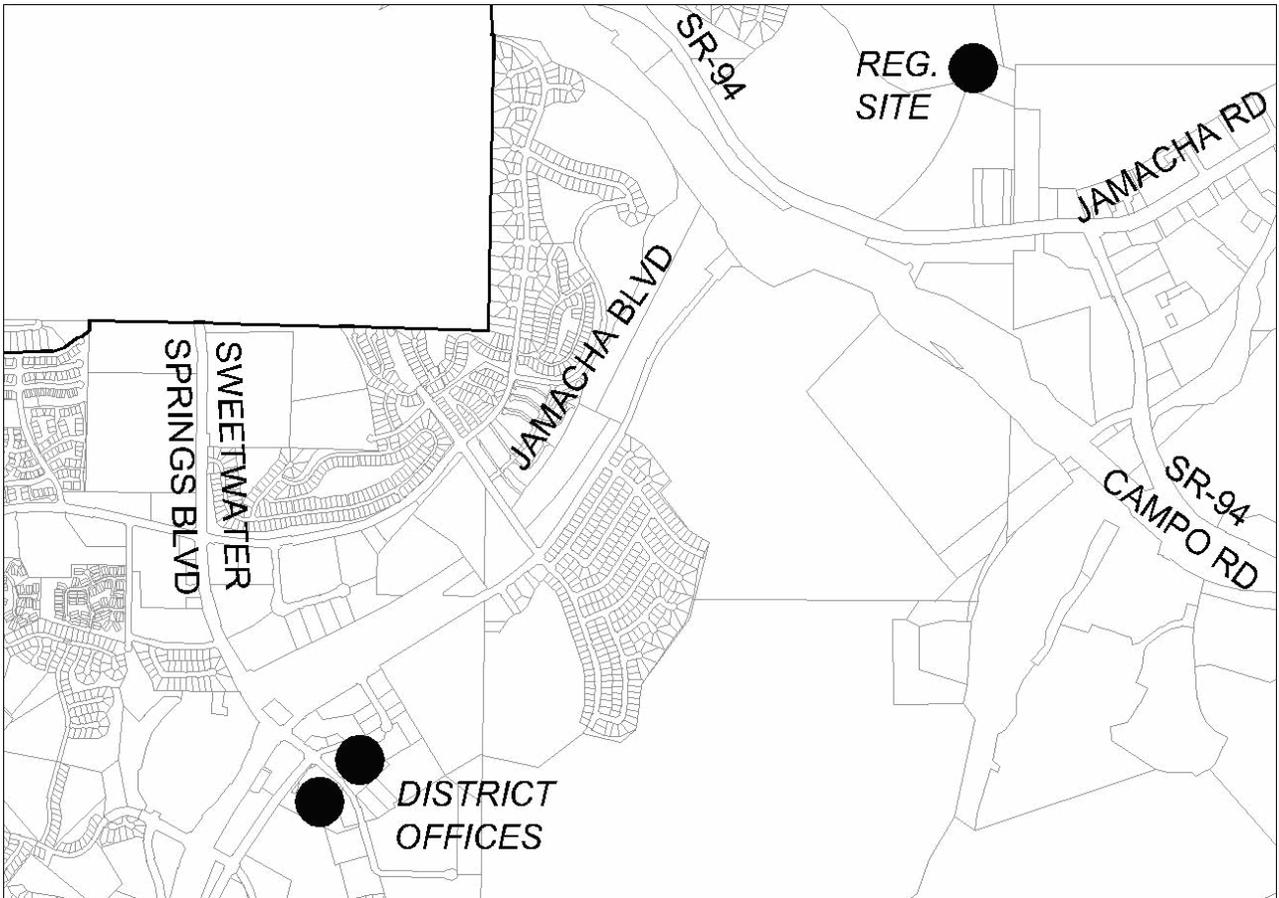
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	
						\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1271

OWD Map Book: 318



Submitted By: Bob Kennedy

Date: 02/19/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2502

PROJECT TITLE: 803-1 Pump Station Modifications

PROJECT MANAGER: Ripperger	DIRECTOR DIVISION: 5
ORIGINAL APPROVED DATE:	I.D. LOCATION: 20
RELATED CIP PROJECTS: P2503	PRIORITY: 1
	BUDGET AMOUNT: \$200,000

DESCRIPTION OF PROJECT:

Modify the existing pump within the pump station to allow for suction from the 640 Reservoirs. The concept is to remove three of the existing stages of each pump location.

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:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
I.D. 3		100%		100%
TOTAL:		100%		100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
	\$50	\$150					\$200

**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	12/10	\$45
CONSTRUCTION:	01/11	06/12	\$150

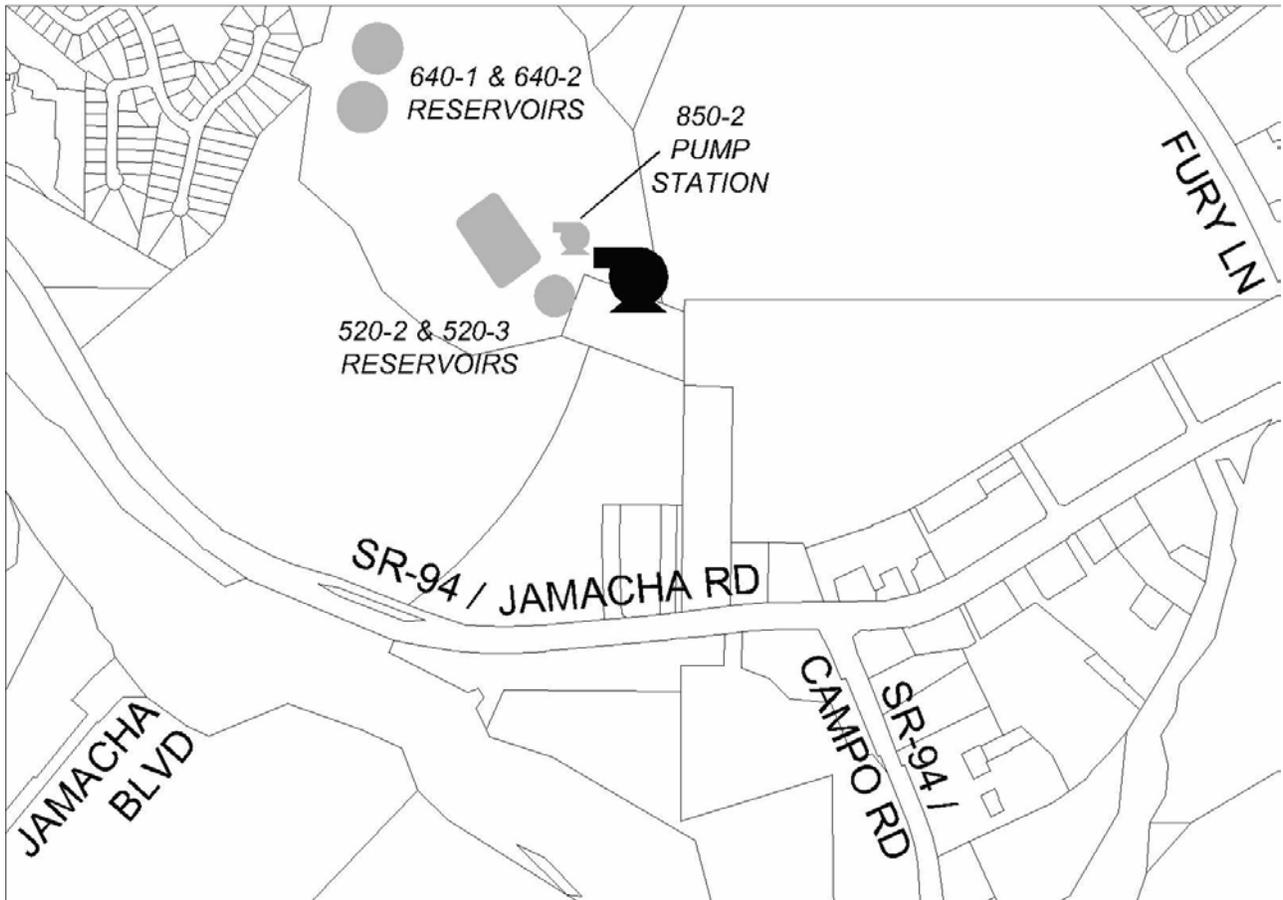
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	
		\$-81,900	\$-84,400	\$-86,900	\$-89,500	\$-342,700

PROJECT LOCATION:

Thomas Bros. Map: 1271

OWD Map Book: 343



Submitted By: Ron Ripperger

Date: 02/24/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2503

PROJECT TITLE: 850-2 Pump Station Modifications

PROJECT MANAGER: Ripperger	DIRECTOR DIVISION: 5
ORIGINAL APPROVED DATE:	I.D. LOCATION: 20
RELATED CIP PROJECTS: P2502	PRIORITY: 1
	BUDGET AMOUNT: \$650,000

DESCRIPTION OF PROJECT:

Modify the existing pump 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 rebuilding of the existing fixed speed pump motors.

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:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
I.D. 20		100%		100%
TOTAL:		100%		100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
	\$150	\$500					\$650

**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	12/10	\$45
CONSTRUCTION:	01/11	06/12	\$600

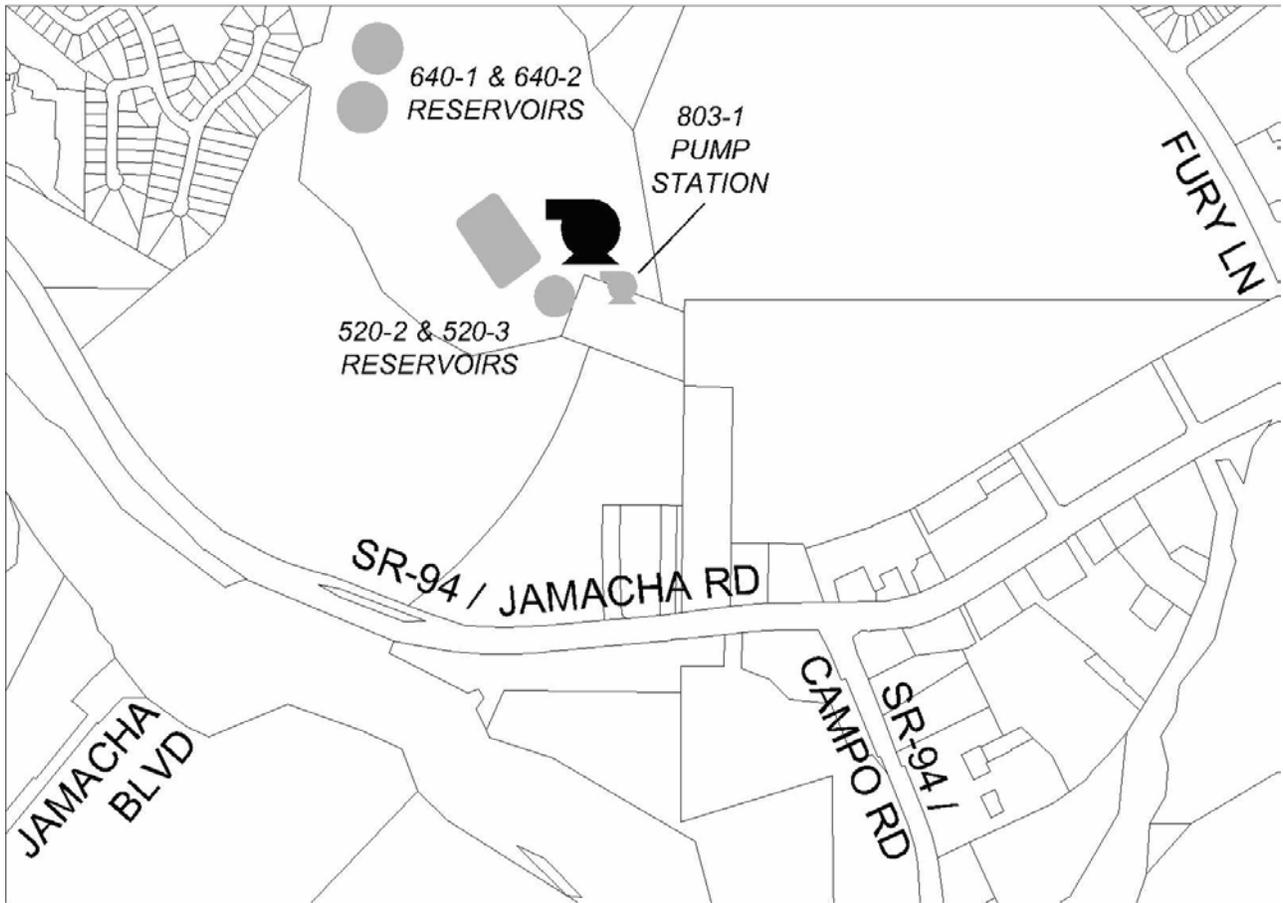
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	
		\$-50,400	\$-51,900	\$-53,500	\$-55,100	\$-210,900

PROJECT LOCATION:

Thomas Bros. Map: 1271

OWD Map Book: 343



Submitted By: Ron Ripperger

Date: 02/24/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2510

PROJECT TITLE: Operations Yard Improvements

PROJECT MANAGER: Kay	DIRECTOR DIVISION: 4
ORIGINAL APPROVED DATE:	I.D. LOCATION: 20
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$370,000

DESCRIPTION OF PROJECT:

This project will provide for construction of parking lot improvements at the newly acquired operations yard site.

JUSTIFICATION OF PROJECT:

The existing operations parking lots are under sized. Expanded parking space at the operations yard site is needed.

COMMENTS:

FUND DETAIL:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund	100%			100%
TOTAL:	100%			100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
	\$25	\$335	\$10				\$370

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2510

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/10	08/10	\$5
DESIGN:	09/10	12/10	\$35
CONSTRUCTION:	01/11	06/13	\$330

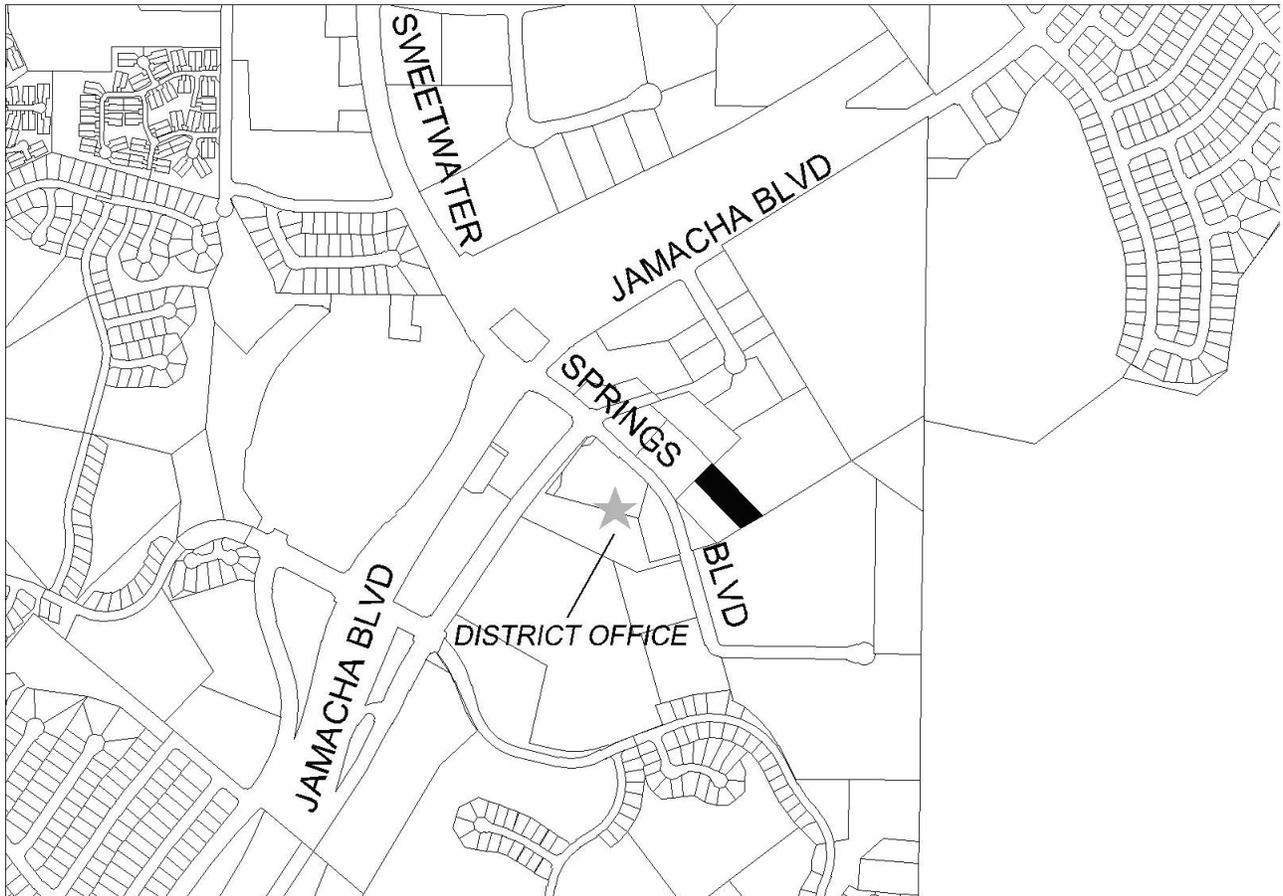
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	

PROJECT LOCATION:

Thomas Bros. Map: 1291

OWD Map Book: 318



Submitted By: Daniel Kay

Date: 02/02/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2511

PROJECT TITLE: North District - South District Interconnection System

PROJECT MANAGER: Kay	DIRECTOR DIVISION: 3
ORIGINAL APPROVED DATE:	I.D. LOCATION: 1
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$37,300,000

DESCRIPTION OF PROJECT:

This project will provide for a major interconnection between the North District and South District. 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%			40%
Various I.D.'s		60%		60%
TOTAL:	40%	60%		100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
	\$800	\$2,200	\$15,000	\$10,200	\$9,100		\$37,300

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2511

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/10	12/10	\$150
DESIGN:	01/11	12/12	\$2,000
CONSTRUCTION:	01/13	06/15	\$35,150

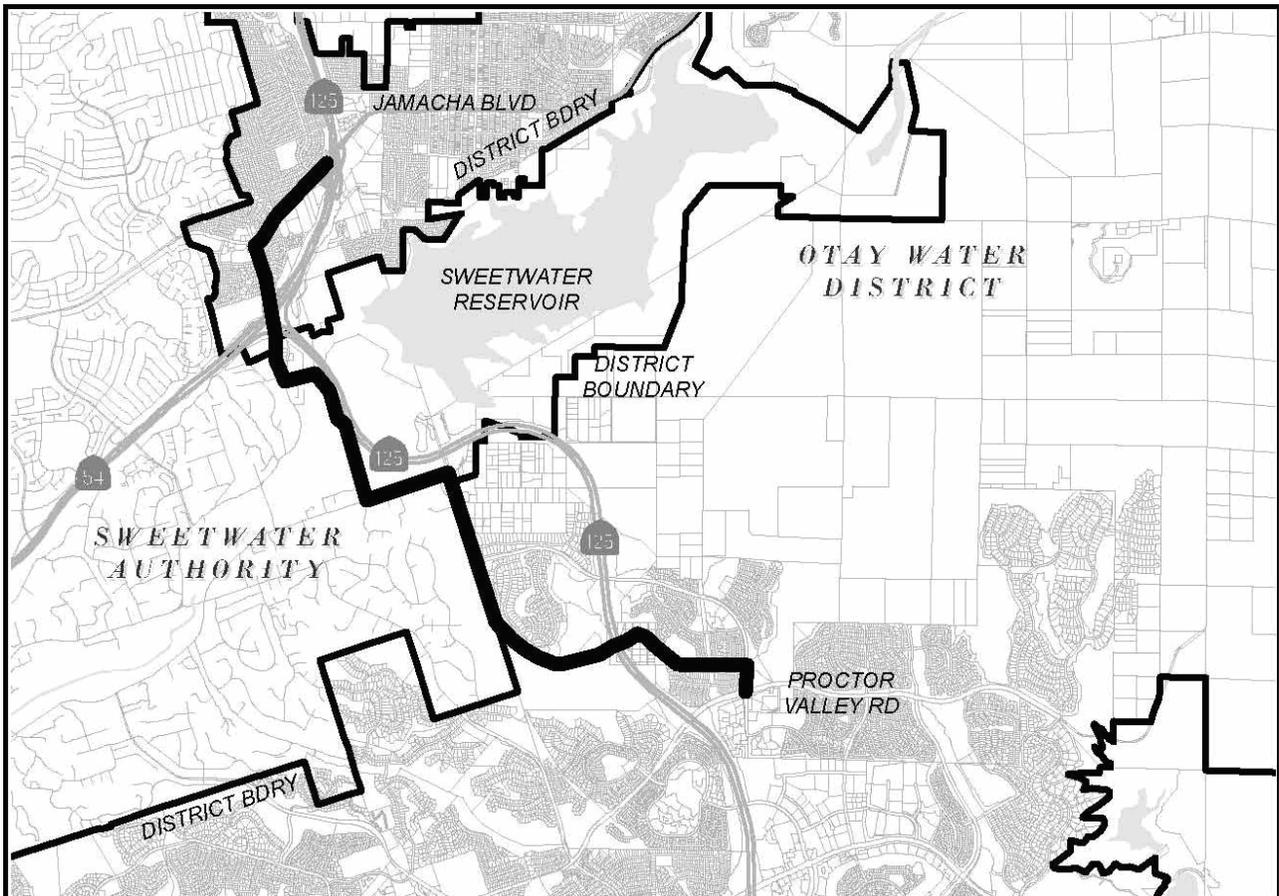
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	
					\$10,900	\$10,900

PROJECT LOCATION:

Thomas Bros. Map: 1291

OWD Map Book: 184



Submitted By: Daniel Kay

Date: 02/02/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2034

PROJECT TITLE: RecRes - 860-1 Reservoir 4 MG

PROJECT MANAGER: Kay	DIRECTOR DIVISION: 2
ORIGINAL APPROVED DATE: 5/23/2006	I.D. LOCATION: 7
RELATED CIP PROJECTS: R2088, R2088	PRIORITY: 2
	BUDGET AMOUNT: \$3,800,000

DESCRIPTION OF PROJECT:

Construction of a 4 million gallon reservoir to create the 860 Pressure Zone for the recycled water system within Otay Mesa.

JUSTIFICATION OF PROJECT:

This project will receive water from the 944 Pressure Zone within the Central Area System to supply demands in the Otay Mesa System recycled water system. The facility is intended balance the 24-hour supply rate with a peaking rate generated by the Otay Mesa demand.

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%
TOTAL:	100%			100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$30	\$200	\$2,200	\$1,370				\$3,800

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2034

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	09/06	08/11	\$152
DESIGN:	09/11	06/12	\$418
CONSTRUCTION:	07/12	06/13	\$3,230

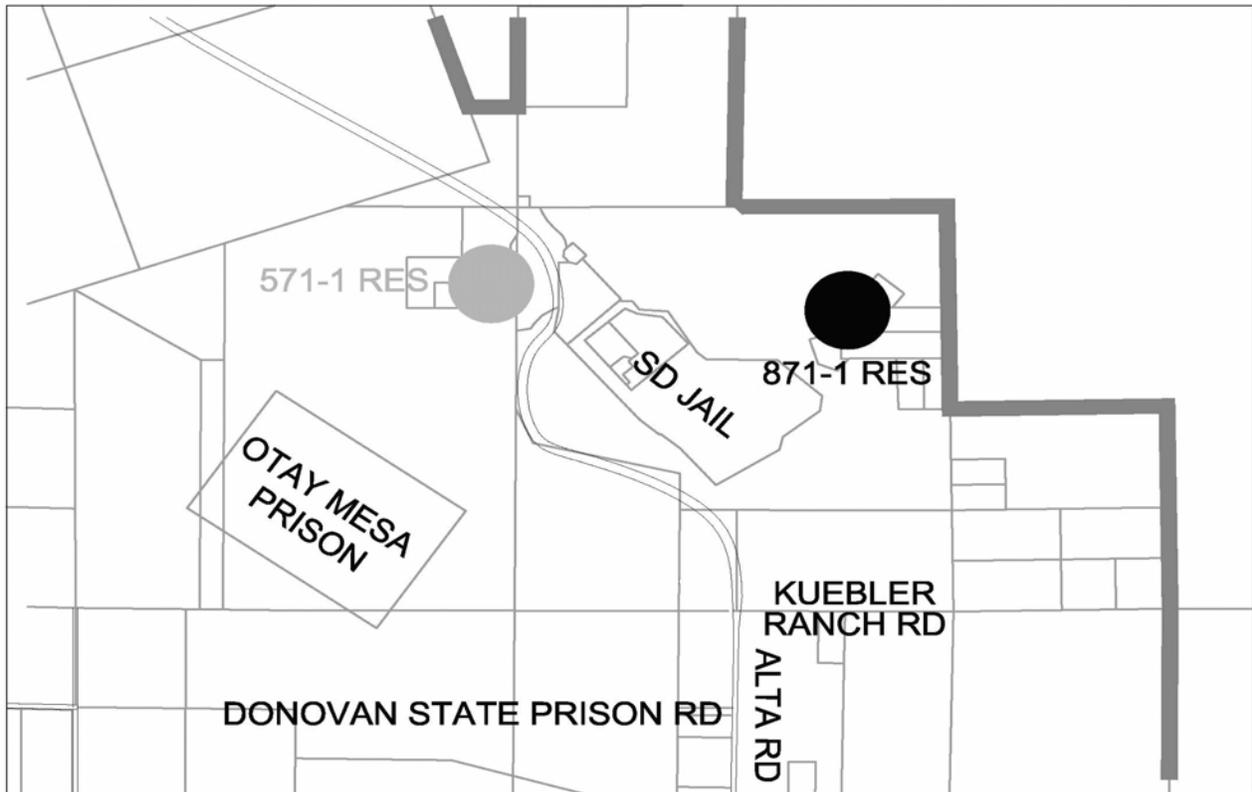
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	
			\$7,500	\$7,700	\$7,900	\$23,100

PROJECT LOCATION:

Thomas Bros. Map: 1332

OWD Map Book: 55



Submitted By: Daniel Kay

Date: 02/02/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2048

PROJECT TITLE: RecPL - Otay Mesa Distribution Pipelines and Conversions

PROJECT MANAGER: Ripperger	DIRECTOR DIVISION: 2
ORIGINAL APPROVED DATE: 6/23/2008	I.D. LOCATION: 7
RELATED CIP PROJECTS: R2058, R2077, R2087, R2088	PRIORITY: 1
	BUDGET AMOUNT: \$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%
TOTAL:	100%			100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$60	\$250	\$850	\$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:	07/11	06/13	\$1,900

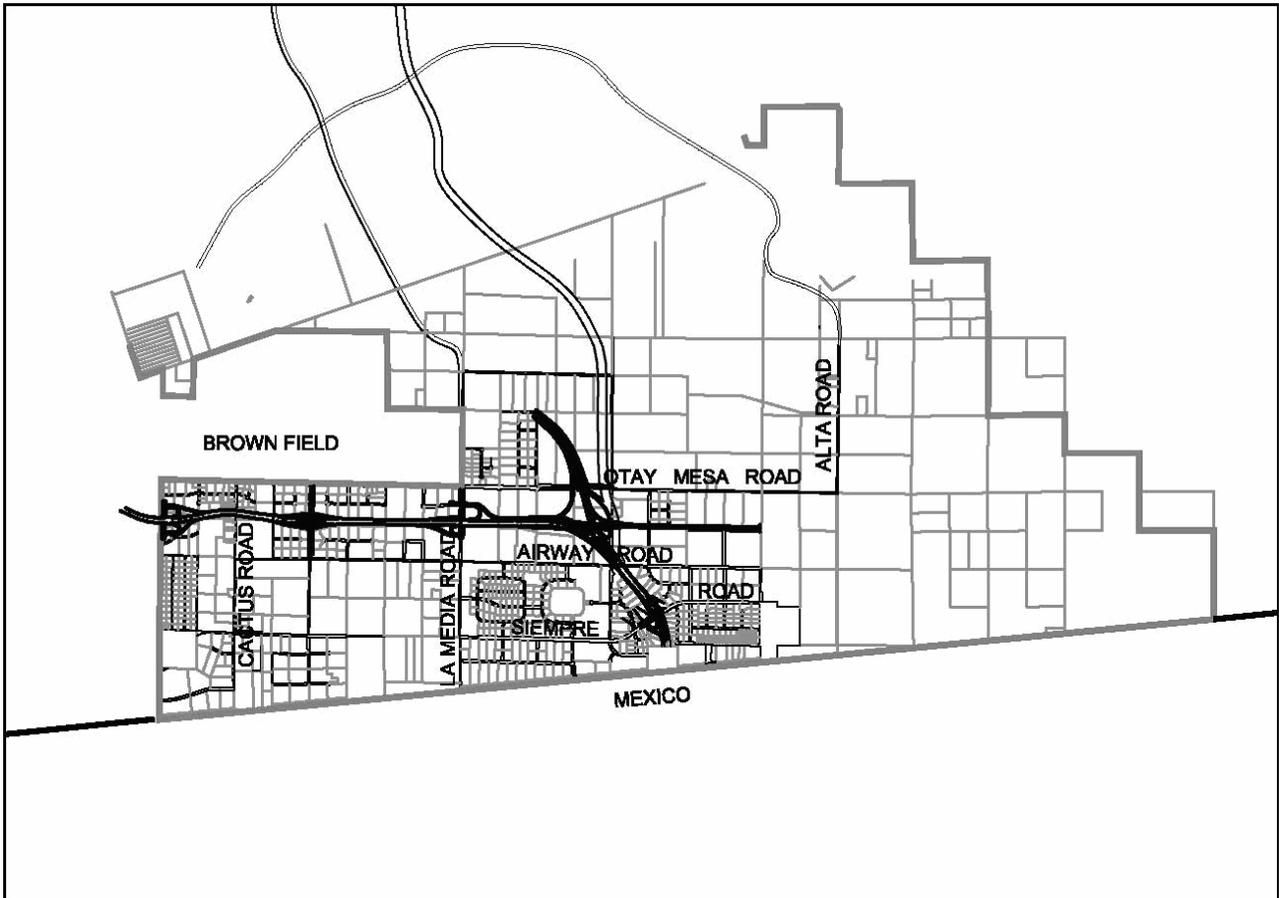
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	
			\$10,200	\$10,500	\$10,800	\$31,500

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Ron Ripperger

Date: 02/24/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2058

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

PROJECT MANAGER: Kennedy	DIRECTOR DIVISION: 2
ORIGINAL APPROVED DATE: 6/16/1999	I.D. LOCATION: 7
RELATED CIP PROJECTS: R2048, R2077, R2087, R2088	PRIORITY: 1
	BUDGET AMOUNT: \$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:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
Recycled	100%			100%
TOTAL:	100%			100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$1,000	\$1,000	\$1,495	\$5				\$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	06/13	\$3,050

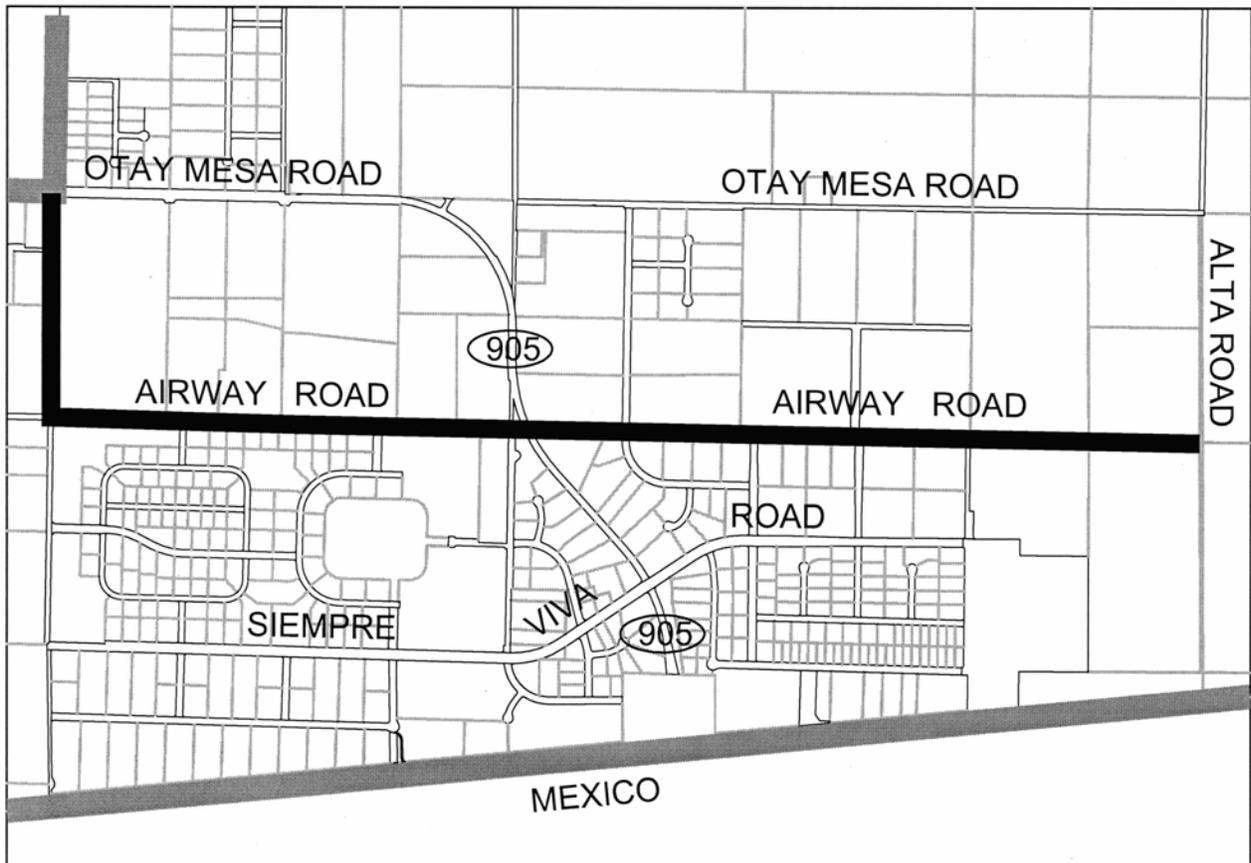
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	
			\$3,600	\$3,700	\$3,800	\$11,100

PROJECT LOCATION:

Thomas Bros. Map: 1351

OWD Map Book: 12



Submitted By: Bob Kennedy

Date: 02/19/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2077

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

PROJECT MANAGER: Kennedy	DIRECTOR DIVISION: 2
ORIGINAL APPROVED DATE: 5/23/2006	I.D. LOCATION: 7
RELATED CIP PROJECTS: R2048, R2058, R2087, R2088	PRIORITY: 1
	BUDGET AMOUNT: \$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:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
Recycled	100%			100%
TOTAL:	100%			100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$624	\$1,750	\$2,121	\$5				\$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	06/13	\$3,885

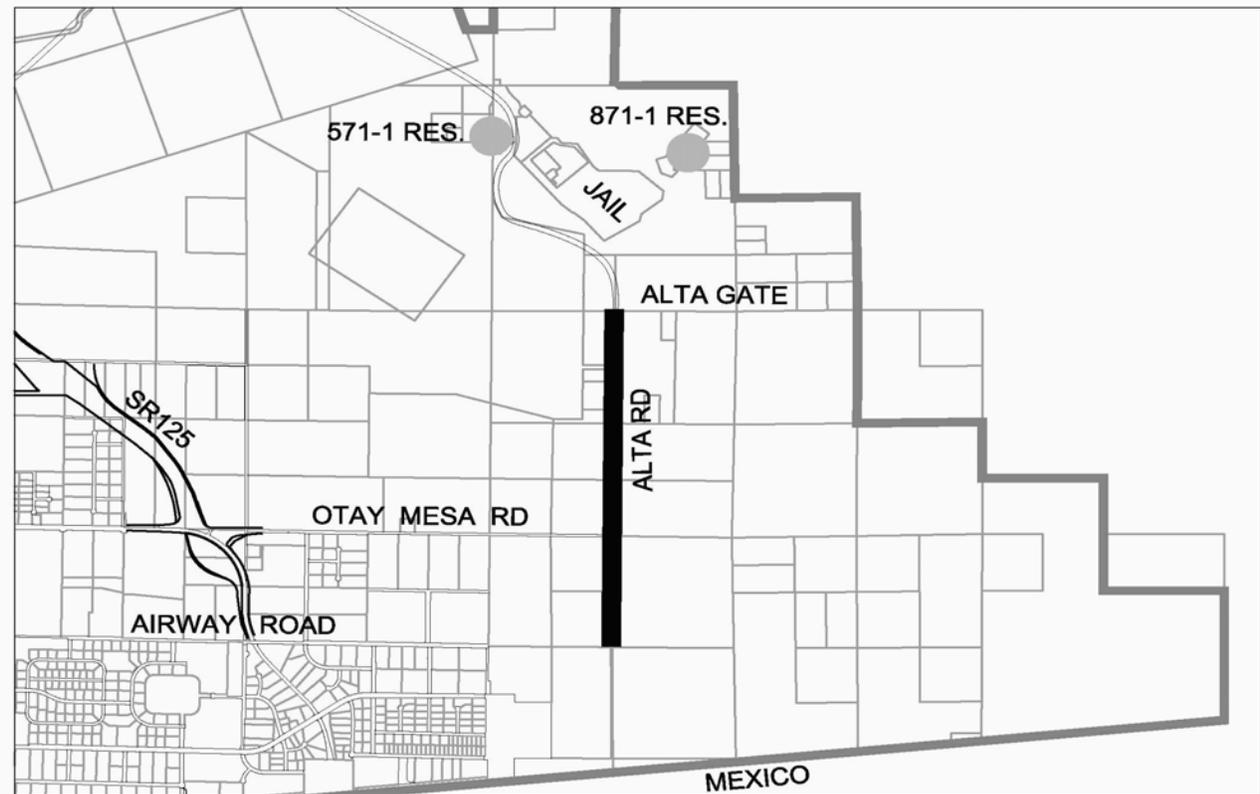
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	
			\$3,200	\$3,300	\$3,400	\$9,900

PROJECT LOCATION:

Thomas Bros. Map: 1332

OWD Map Book: 39



Submitted By: Bob Kennedy

Date: 02/19/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2087

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

PROJECT MANAGER: Kennedy	DIRECTOR DIVISION: 2
ORIGINAL APPROVED DATE: 5/23/2006	I.D. LOCATION: 22
RELATED CIP PROJECTS: R2048, R2058, R2077, R2088	PRIORITY: 1
	BUDGET AMOUNT: \$7,000,000

DESCRIPTION OF PROJECT:

Construction of approximately 15,100 feet of 24-inch pipeline within the 944 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 944 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:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
Recycled	100%			100%
TOTAL:	100%			100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$617	\$3,378	\$3,000	\$5				\$7,000

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2087

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	09/06	12/09	\$180
DESIGN:	01/10	06/11	\$495
CONSTRUCTION:	07/11	06/13	\$6,325

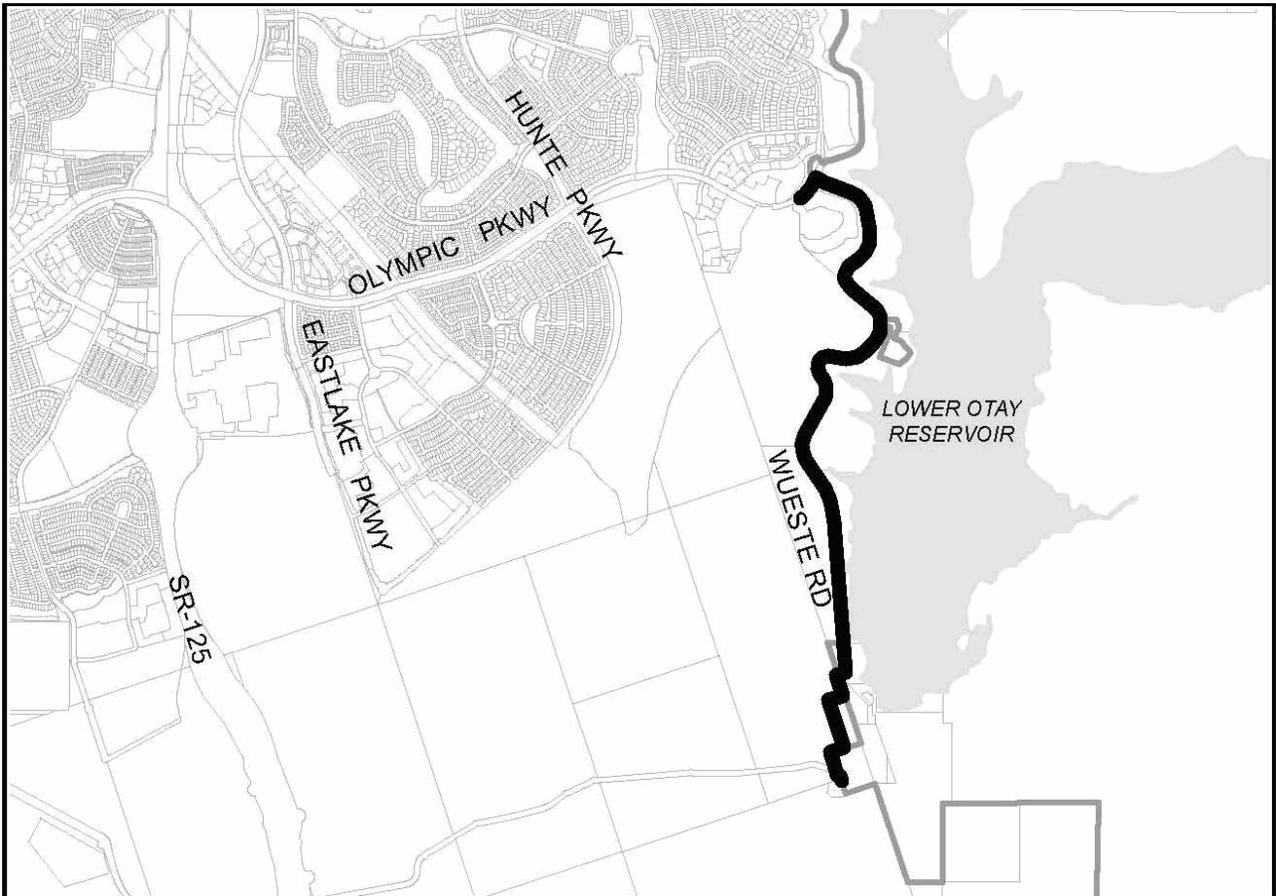
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	
			\$5,100	\$5,300	\$5,500	\$15,900

PROJECT LOCATION:

Thomas Bros. Map: 1312

OWD Map Book: 85



Submitted By: Bob Kennedy

Date: 02/19/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2088

PROJECT TITLE: RecPL - 30-Inch, 860 Zone, County Jail - Roll Reservoir/860-1 Reservoir

PROJECT MANAGER: Kennedy	DIRECTOR DIVISION: 2
ORIGINAL APPROVED DATE: 5/23/2006	I.D. LOCATION: 7
RELATED CIP PROJECTS: R2034, R2058, R2077, R2087	PRIORITY: 1
	BUDGET AMOUNT: \$3,500,000

DESCRIPTION OF PROJECT:

Construction of two 20-inch pipelines within the 860 Pressure Zone from the 571-1 Reservoir site to the planned 860-1 Reservoir. 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 link the planned 944 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:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
Recycled	100%			100%
TOTAL:	100%			100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$60	\$240	\$1,200	\$2,000				\$3,500

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2088

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	09/06	06/12	\$140
DESIGN:	07/12	03/13	\$385
CONSTRUCTION:	04/13	06/13	\$2,975

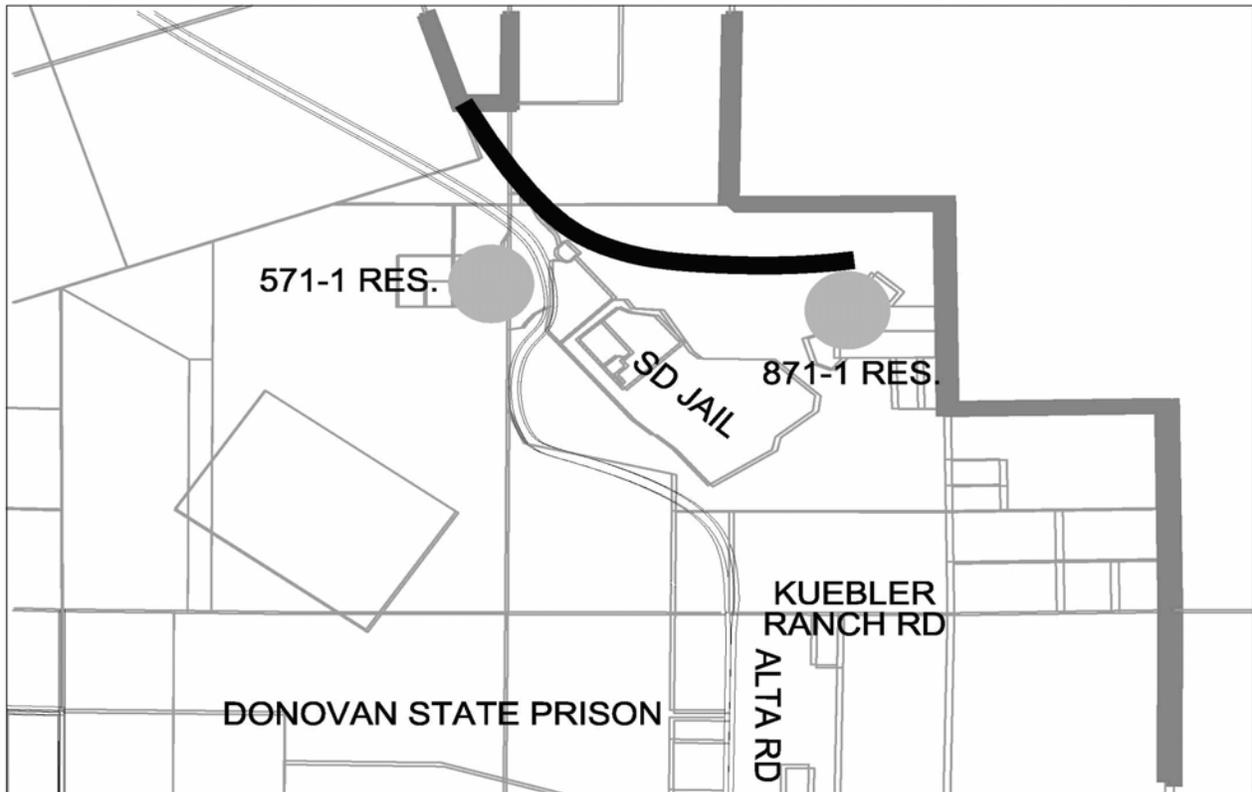
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	
			\$2,400	\$2,500	\$2,600	\$7,500

PROJECT LOCATION:

Thomas Bros. Map: 1332

OWD Map Book: 55



Submitted By: Bob Kennedy

Date: 02/19/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2091

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

PROJECT MANAGER: Ripperger	DIRECTOR DIVISION: 1
ORIGINAL APPROVED DATE: 5/29/2007	I.D. LOCATION: 22
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$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 four pressure reducing station 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:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
Recycled	100%			100%
TOTAL:	100%			100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$200	\$1,250	\$500	\$450			\$1,550	\$3,950

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2091

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/07	04/08	\$60
DESIGN:	05/08	12/08	\$120
CONSTRUCTION:	01/09	06/16	\$3,770

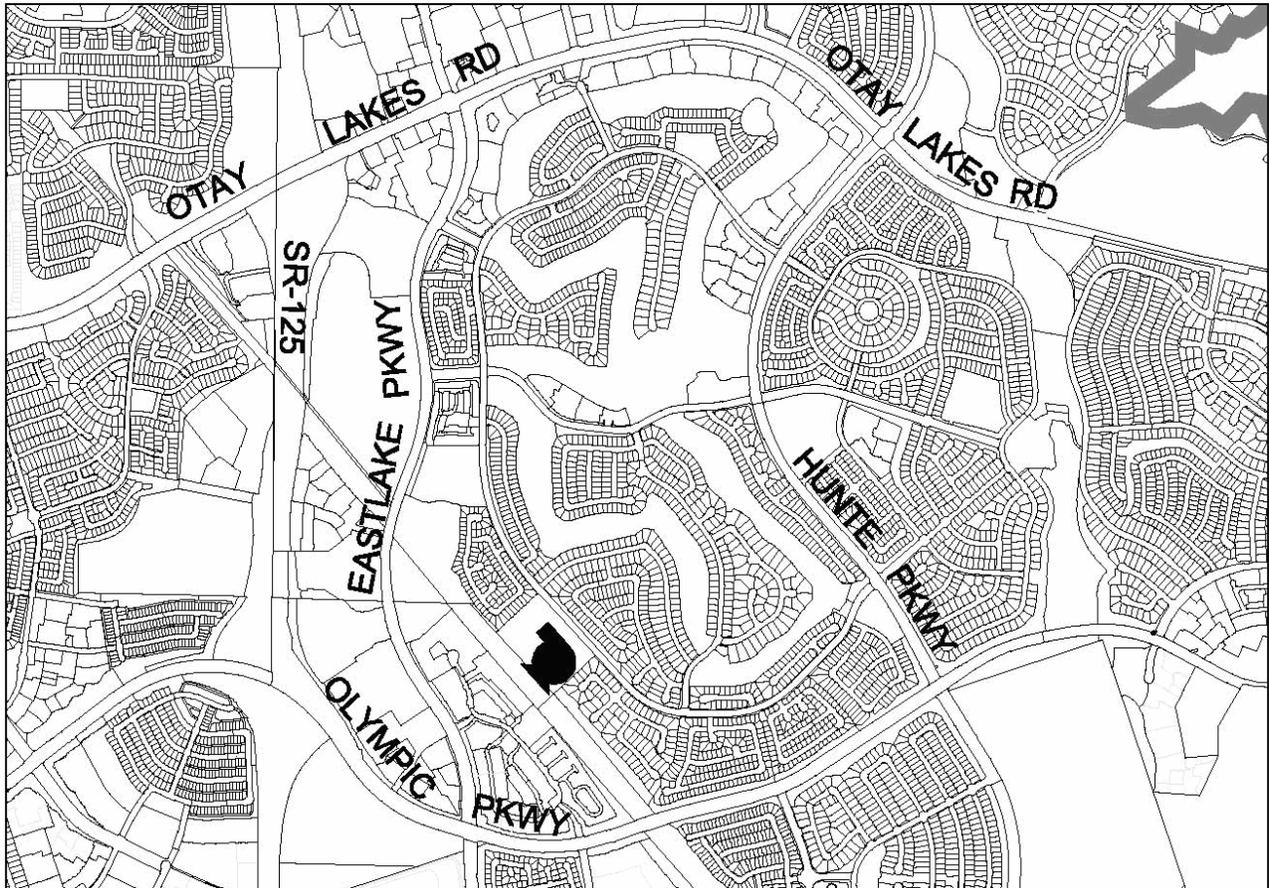
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1311

OWD Map Book: 115



Submitted By: Ron Ripperger

Date: 02/24/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2092

PROJECT TITLE: Dis - 450-1 Reservoir Disinfection Facility

PROJECT MANAGER: Ripperger	DIRECTOR DIVISION: 1
ORIGINAL APPROVED DATE: 5/29/2007	I.D. LOCATION: 10
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$742,000

DESCRIPTION OF PROJECT:

This project consists of construction of a disinfection system facility at the 450-1 Reservoir.

JUSTIFICATION OF PROJECT:

The recycled water received from the City of San Diego South Bay Water Reclamation Plant is not planned to be sufficiently disinfected with chemicals. The recycled water will be disinfected prior to deliver to the Otay WD customers.

COMMENTS:

FUND DETAIL:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
Recycled	100%			100%
TOTAL:	100%			100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$740	\$2						\$742

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2092

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/07	10/07	\$57
DESIGN:	11/07	03/08	\$105
CONSTRUCTION:	04/08	12/10	\$580

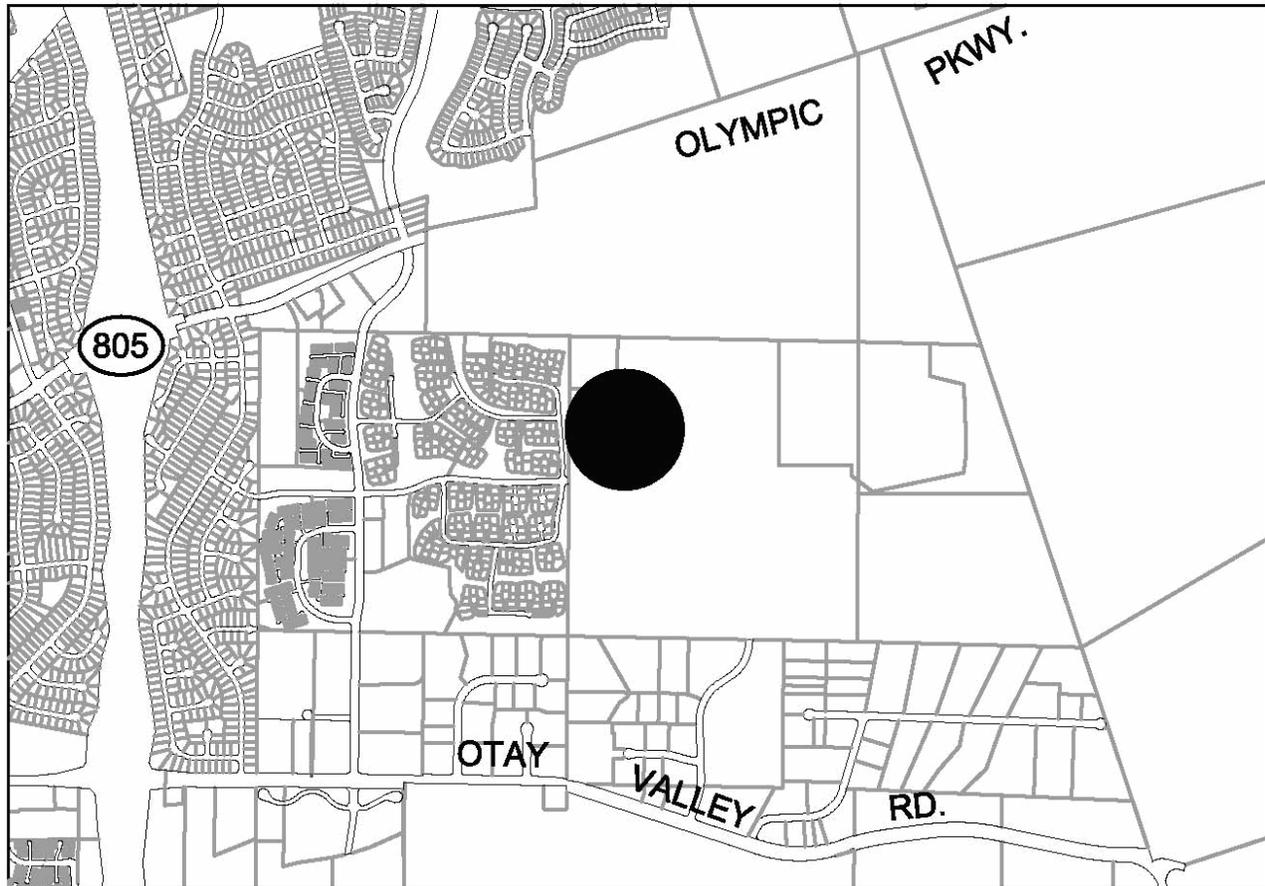
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	
\$11,250	\$22,500	\$23,200	\$23,900	\$24,600	\$25,300	\$130,750

PROJECT LOCATION:

Thomas Bros. Map: 1330

OWD Map Book: 66



Submitted By: Ron Ripperger

Date: 02/24/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2093

PROJECT TITLE: MBR City of Chula Vista Feasibility Study

PROJECT MANAGER: Peasley	DIRECTOR DIVISION: District Wide
ORIGINAL APPROVED DATE: 6/23/2008	I.D. LOCATION: District Wide
RELATED CIP PROJECTS: P2498, R2097	PRIORITY: 1
	BUDGET AMOUNT: \$210,000

DESCRIPTION OF PROJECT:

This project is to fund the joint water recycling facility feasibility efforts for future recycled water supply needs. The potential partners for this effort are the City of Chula Vista and Otay WD.

JUSTIFICATION OF PROJECT:

This project has the potential to create a new and much needed recycled water supply source for the Otay WD.

COMMENTS:

Funding opportunity is the South San Diego County Water Supply Strategy. Recycled at 40% expansion and betterment funds from ID 22 at 60%.

FUND DETAIL:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
Recycled	40%			40%
I.D. 22		60%		60%
TOTAL:	40%	60%		100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$90	\$120						\$210

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2093

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/08	06/11	\$210
DESIGN:			
CONSTRUCTION:			

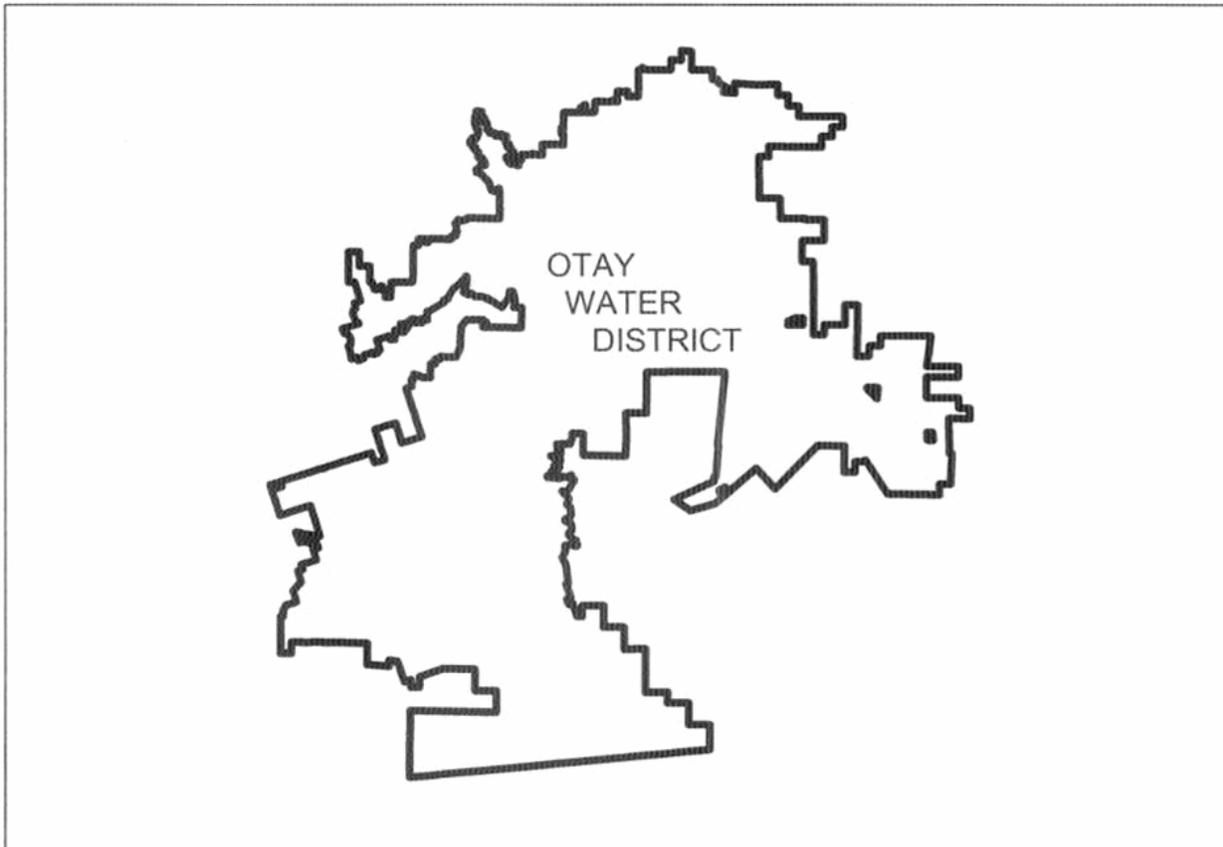
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: James Peasley

Date: 02/19/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2094

PROJECT TITLE: Potable Irrigation Meters to Recycled Water Conversions

PROJECT MANAGER: Charles	DIRECTOR DIVISION: 1
ORIGINAL APPROVED DATE: 5/21/2009	I.D. LOCATION: 22
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$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:

Recycled at 40% expansion and betterment funds from ID 22 at 60%.

FUND DETAIL:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
Recycled	40%			40%
I.D. 22		60%		60%
TOTAL:	40%	60%		100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$1,250	\$500	\$500	\$850				\$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	06/13	\$2,570

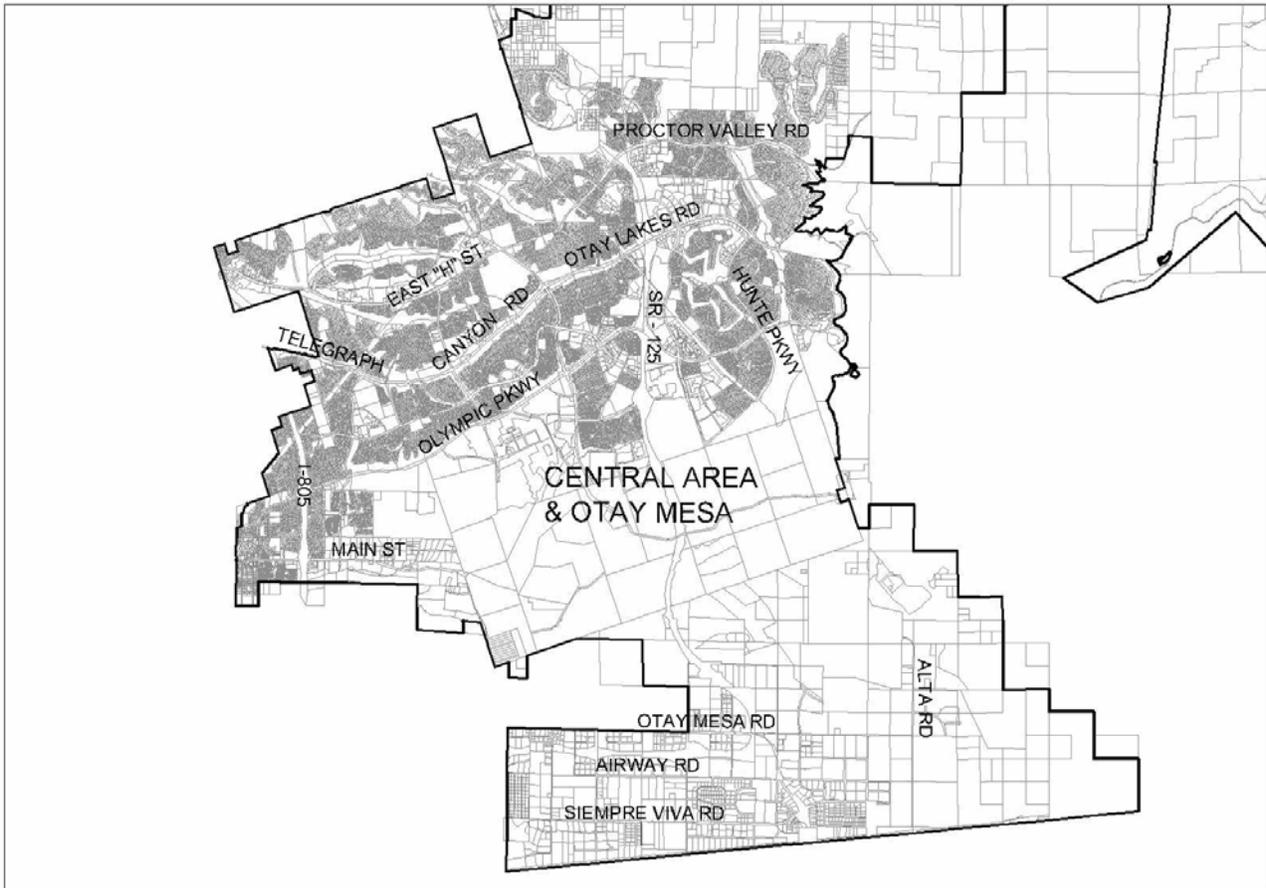
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:

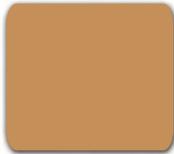


Submitted By: David Charles

Date: 02/25/2010



Replacement/Renewal Projects



**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2366

PROJECT TITLE: APCD Engine Replacements and Retrofits

PROJECT MANAGER: Rahders	DIRECTOR DIVISION: District Wide
ORIGINAL APPROVED DATE: 12/6/2000	I.D. LOCATION: District Wide
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$3,213,000

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:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund			100%	100%
TOTAL:			100%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$1,751	\$442	\$220	\$200	\$200	\$200	\$200	\$3,213

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2366

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	12/00	06/01	\$113
DESIGN:	07/01	06/10	\$312
CONSTRUCTION:	07/05	06/16	\$2,788

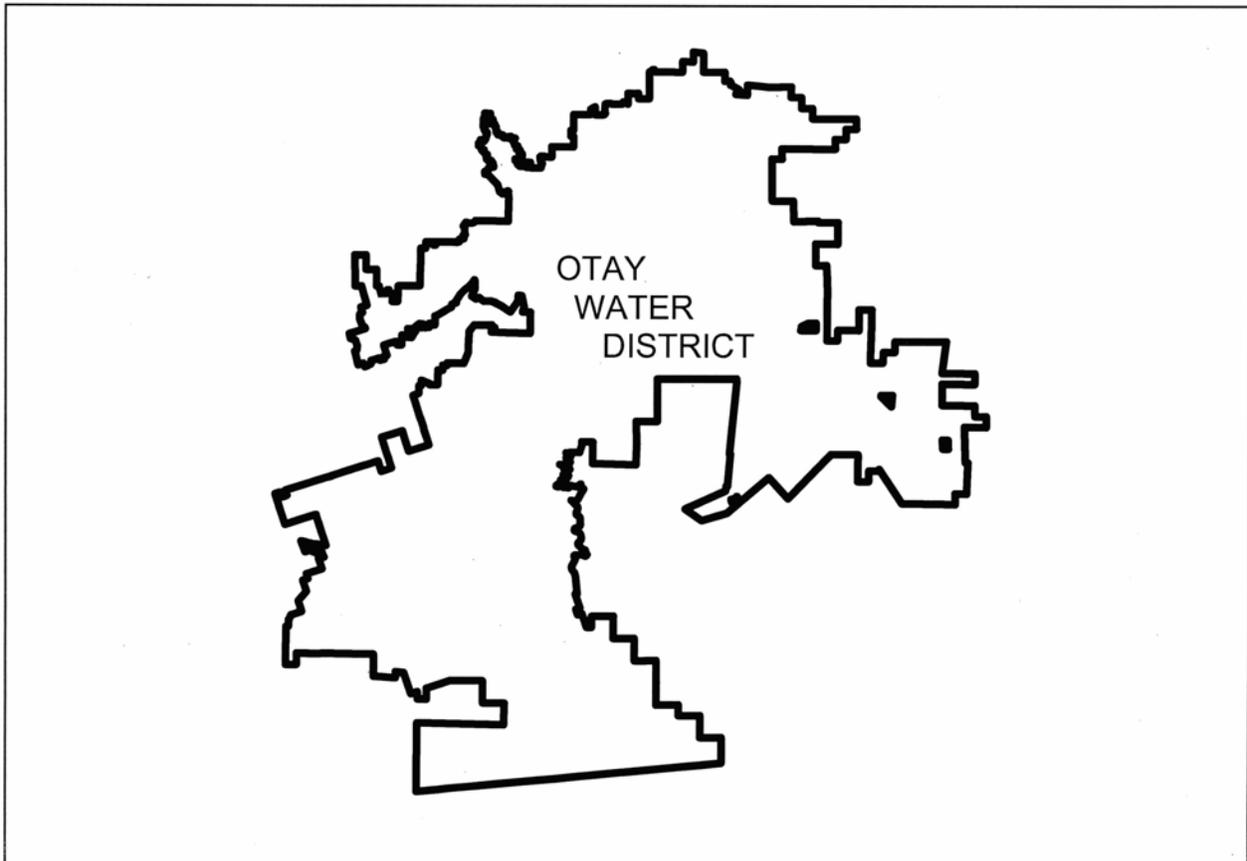
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Doug Rahders

Date: 02/26/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2382

PROJECT TITLE: Safety and Security Improvements

PROJECT MANAGER: Munoz	DIRECTOR DIVISION: District Wide
ORIGINAL APPROVED DATE: 6/5/2002	I.D. LOCATION: District Wide
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$1,635,000

DESCRIPTION OF PROJECT:

This project is to improve the security of the Otay WD facilities by developing a response plan, installing protection systems, and contracting with a protection monitoring and response service. This project will also include additional safety and security improvements as required throughout the Otay WD. The security improvements are a result of the Otay WD Vulnerability Assessment Report completed in March 2003.

JUSTIFICATION OF PROJECT:

Although existing facilities are relatively safe and secure, the Federal government may mandate that security of water systems be improved by monitoring and response to intrusions. The security improvements are in response to the September 11, 2001 incident and potential future acts of terrorism. The current HIRSCH system needs to be updated and integrated into the FOB and SCADA systems.

COMMENTS:

General Fund at 40% expansion and 60% replacement.

FUND DETAIL:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund	40%		60%	100%
TOTAL:	40%		60%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$1,314	\$102	\$102	\$102	\$5	\$5	\$5	\$1,635

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2382

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/02	08/03	\$62
DESIGN:	09/03	06/10	\$169
CONSTRUCTION:	08/04	06/16	\$1,404

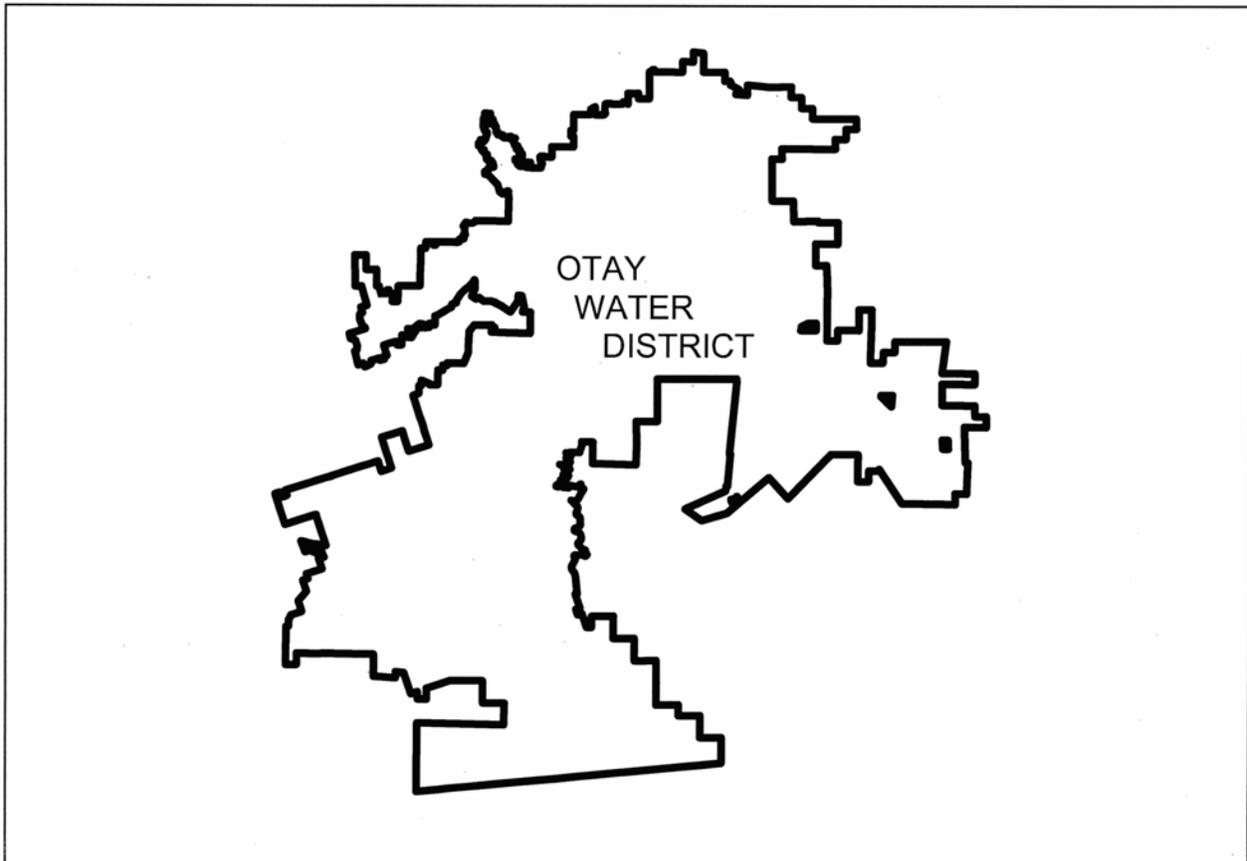
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Jerry Munoz

Date: 02/18/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2416

PROJECT TITLE: SR-125 Utility Relocations

PROJECT MANAGER: Kennedy	DIRECTOR DIVISION: District Wide
ORIGINAL APPROVED DATE: 6/4/2003	I.D. LOCATION: District Wide
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$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, is constructing SR-125, which conflicts with existing Otay WD facilities at various locations. In some cases, the Otay WD does have prior and superior rights. Various facilities must 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%
TOTAL:			100%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$913	\$50						\$963

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2416

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	10/02	12/03	\$36
DESIGN:	01/04	12/05	\$99
CONSTRUCTION:	10/04	06/11	\$828

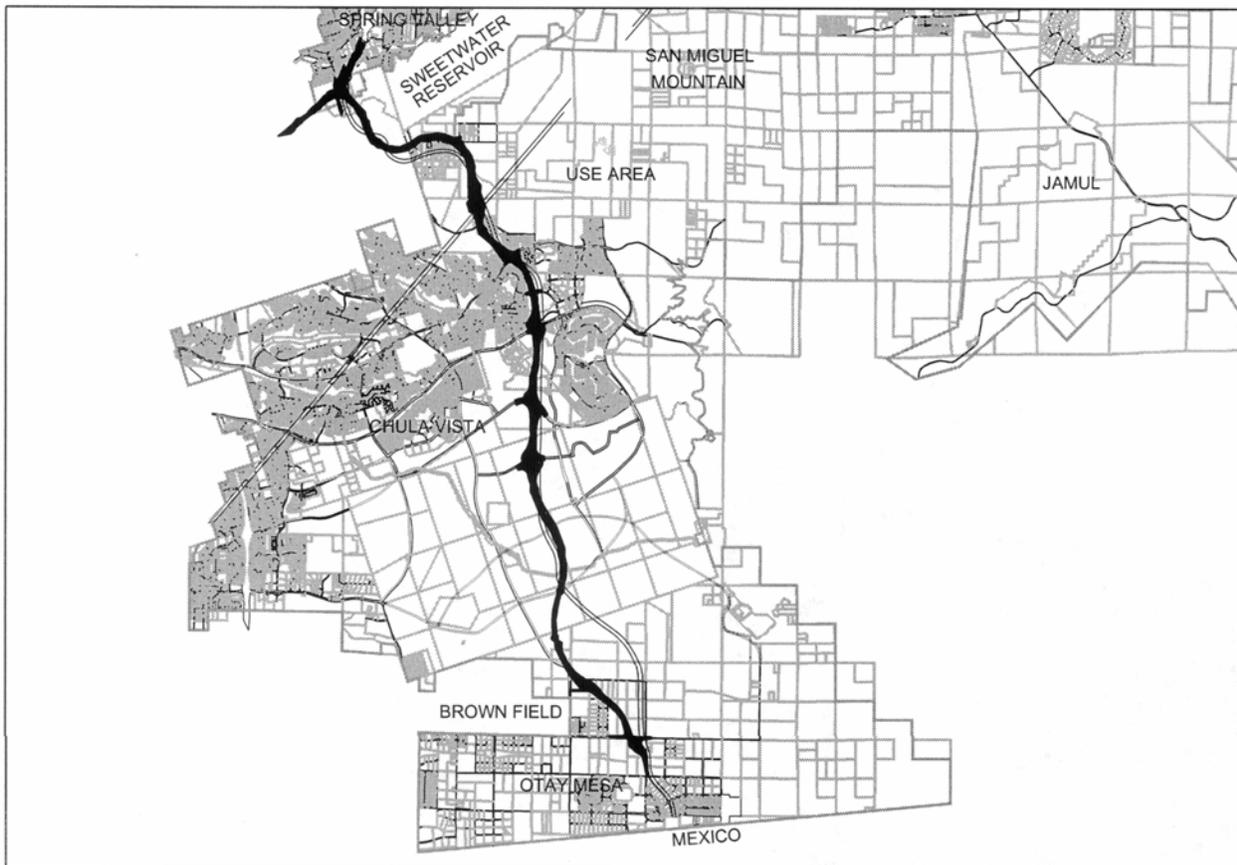
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Bob Kennedy

Date: 02/19/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2440

PROJECT TITLE: I-905 Utility Relocations

PROJECT MANAGER: Ripperger	DIRECTOR DIVISION: 2
ORIGINAL APPROVED DATE: 6/2/2004	I.D. LOCATION: 7
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$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:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund			100%	100%
TOTAL:			100%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$1,500	\$100						\$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	06/11	\$1,147

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION: Thomas Bros. Map: 1351

OWD Map Book: 10



Submitted By: Ron Ripperger

Date: 02/24/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2453

PROJECT TITLE: SR-11 Utility Relocations

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

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund			100%	100%
TOTAL:			100%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$5	\$50	\$50	\$50				\$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	06/13	\$80

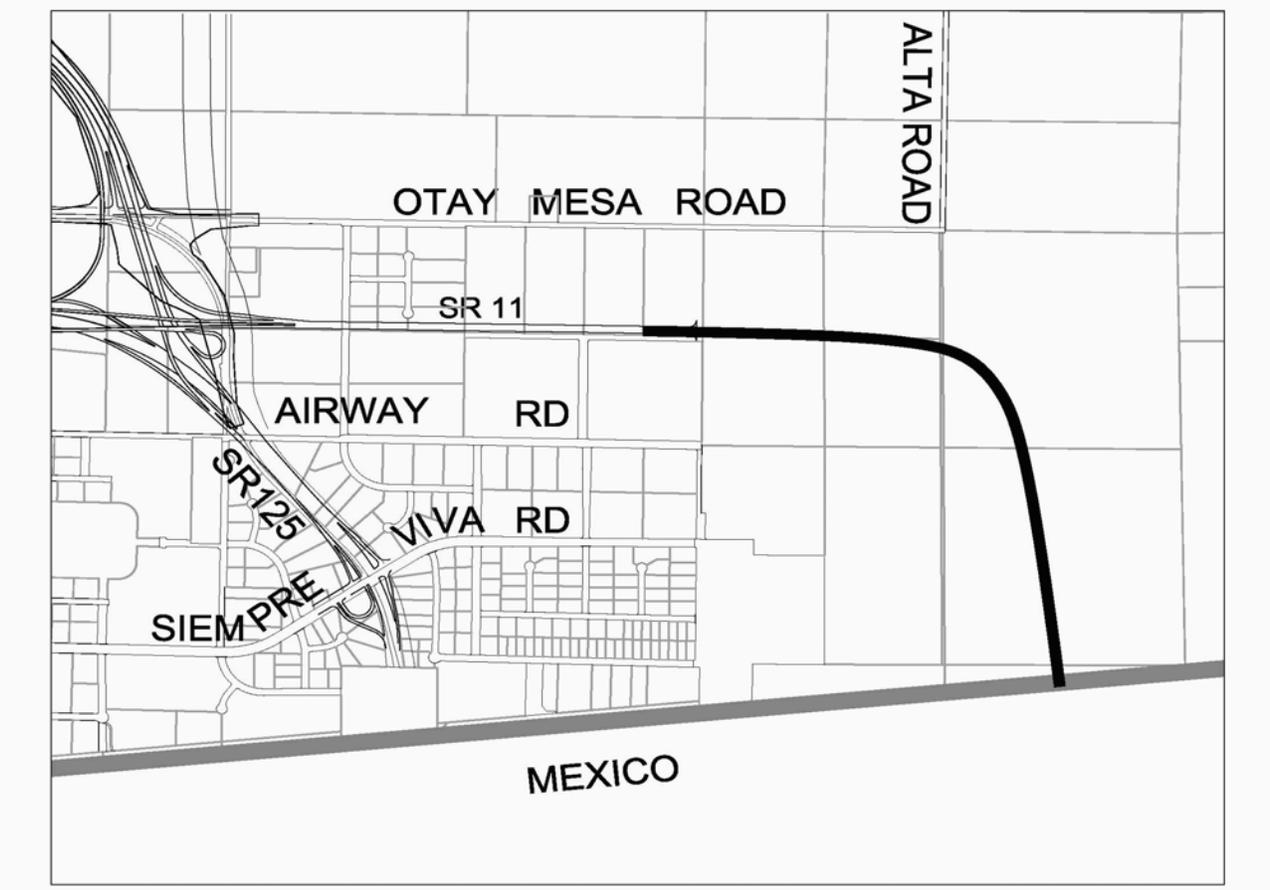
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1351

OWD Map Book: 5



Submitted By: Daniel Kay

Date: 02/02/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2456

PROJECT TITLE: Air and Vacuum Valve Upgrades

PROJECT MANAGER: Acuna	DIRECTOR DIVISION: District Wide
ORIGINAL APPROVED DATE: 5/23/2006	I.D. LOCATION: District Wide
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$2,722,000

DESCRIPTION OF PROJECT:

This project is to provide funding for the upgrading of approximately 750 existing air and vacuum valves that are below grade.

JUSTIFICATION OF PROJECT:

The current Department of Health regulations require that all potable air and vacuum valves be installed above grade to eliminate the possibility of back siphoning ground water into the potable water system in the event of pressure loss within the water system.

COMMENTS:

Some of the existing air and vacuum valves are located in streets and roadways. These facilities will require extension of the piping outside of the traveled way. General Fund at 74% replacement, ID 1 at 14% betterment, and ID 20 at 12% betterment.

FUND DETAIL:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund			74%	74%
I.D. 1		14%		14%
I.D. 20		12%		12%
TOTAL:		26%	74%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$1,822	\$450	\$450					\$2,722

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2456

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:			
DESIGN:			
CONSTRUCTION:	07/06	06/12	\$2,722

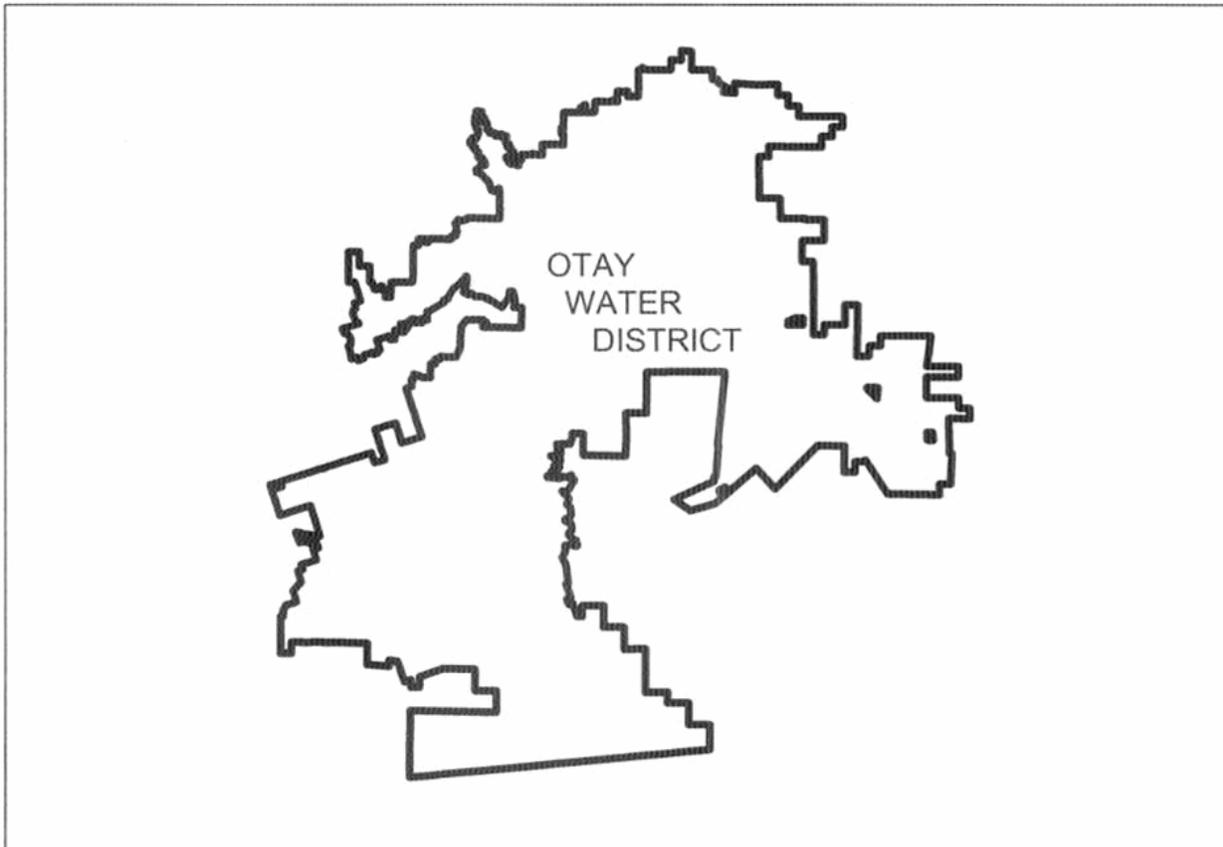
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Rick Acuna

Date: 02/18/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2458

PROJECT TITLE: AMR Manual Meter Replacement

PROJECT MANAGER:	Keeran	DIRECTOR DIVISION:	District Wide
ORIGINAL APPROVED DATE:	5/23/2006	I.D. LOCATION:	District Wide
RELATED CIP PROJECTS:		PRIORITY:	1
		BUDGET AMOUNT:	\$10,448,000

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%
TOTAL:			100%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$3,948	\$1,500	\$1,650	\$1,700	\$1,650			\$10,448

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2458

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:			
DESIGN:			
CONSTRUCTION:	07/06	06/14	\$10,448

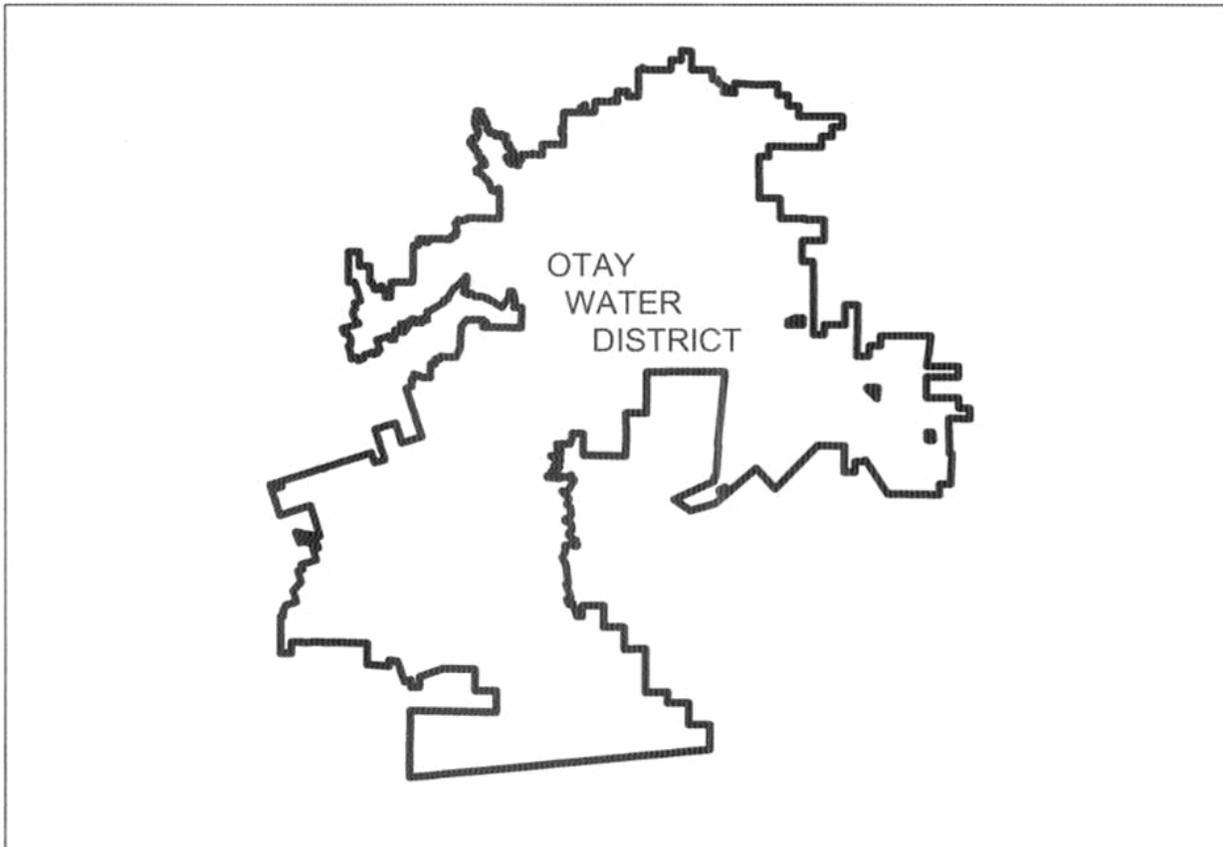
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	
				\$-226,400	\$-233,200	\$-459,600

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Tim Keeran

Date: 02/18/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2477

PROJECT TITLE: Res - 624-1 Reservoir Cover Replacement

PROJECT MANAGER: Kennedy	DIRECTOR DIVISION: 1
ORIGINAL APPROVED DATE: 6/23/2008	I.D. LOCATION: 22
RELATED CIP PROJECTS:	PRIORITY: 2
	BUDGET AMOUNT: \$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:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund			100%	100%
TOTAL:			100%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$27	\$5	\$5	\$5	\$5	\$400	\$3	\$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	06/09	\$8
DESIGN:	07/09	12/09	\$20
CONSTRUCTION:	01/10	06/16	\$422

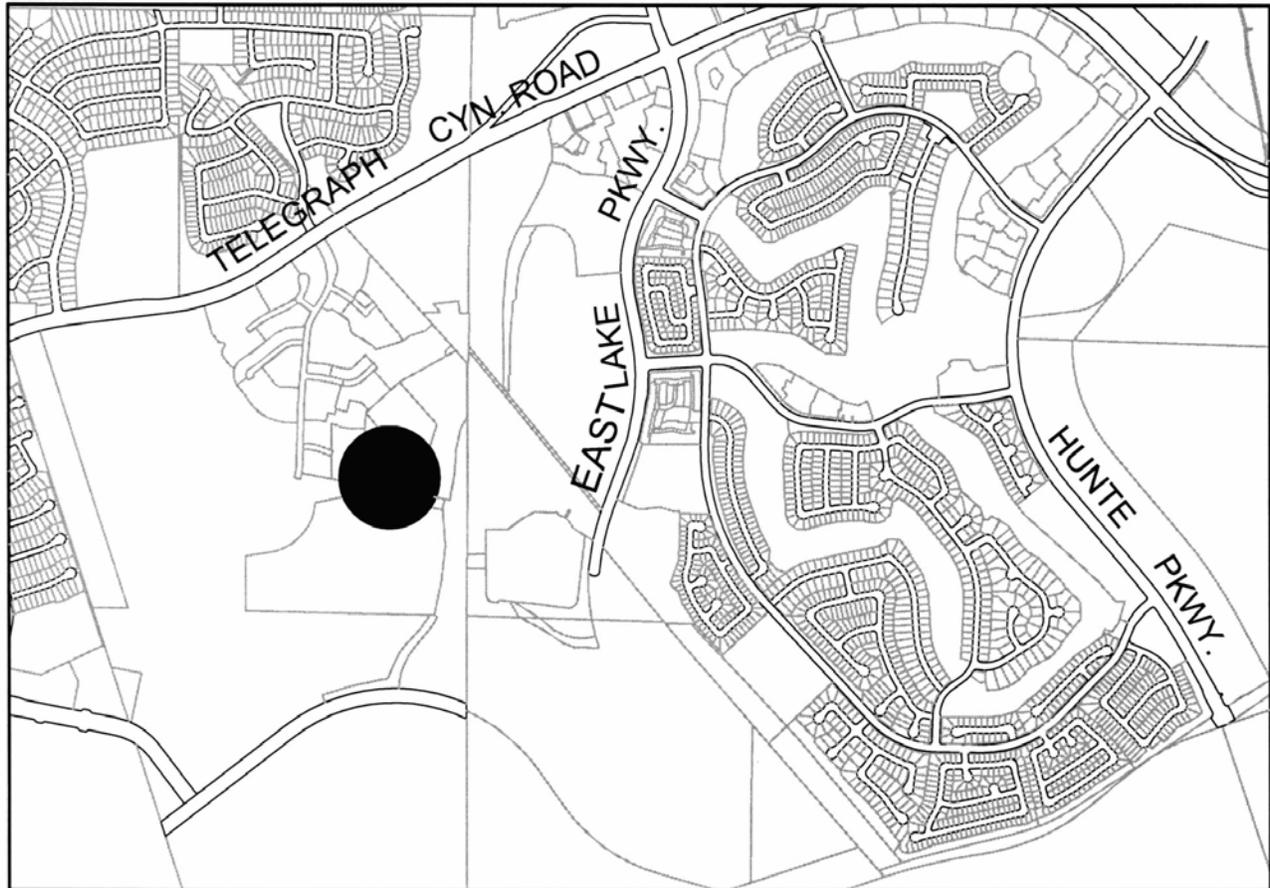
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1311

OWD Map Book: 114



Submitted By: Bob Kennedy

Date: 02/19/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2484

PROJECT TITLE: Large Water Meter Replacement Program

PROJECT MANAGER: Keeran	DIRECTOR DIVISION: District Wide
ORIGINAL APPROVED DATE: 5/21/2009	I.D. LOCATION: District Wide
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$535,000

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:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund			100%	100%
TOTAL:			100%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$135	\$100	\$100	\$100	\$100			\$535

**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	\$535

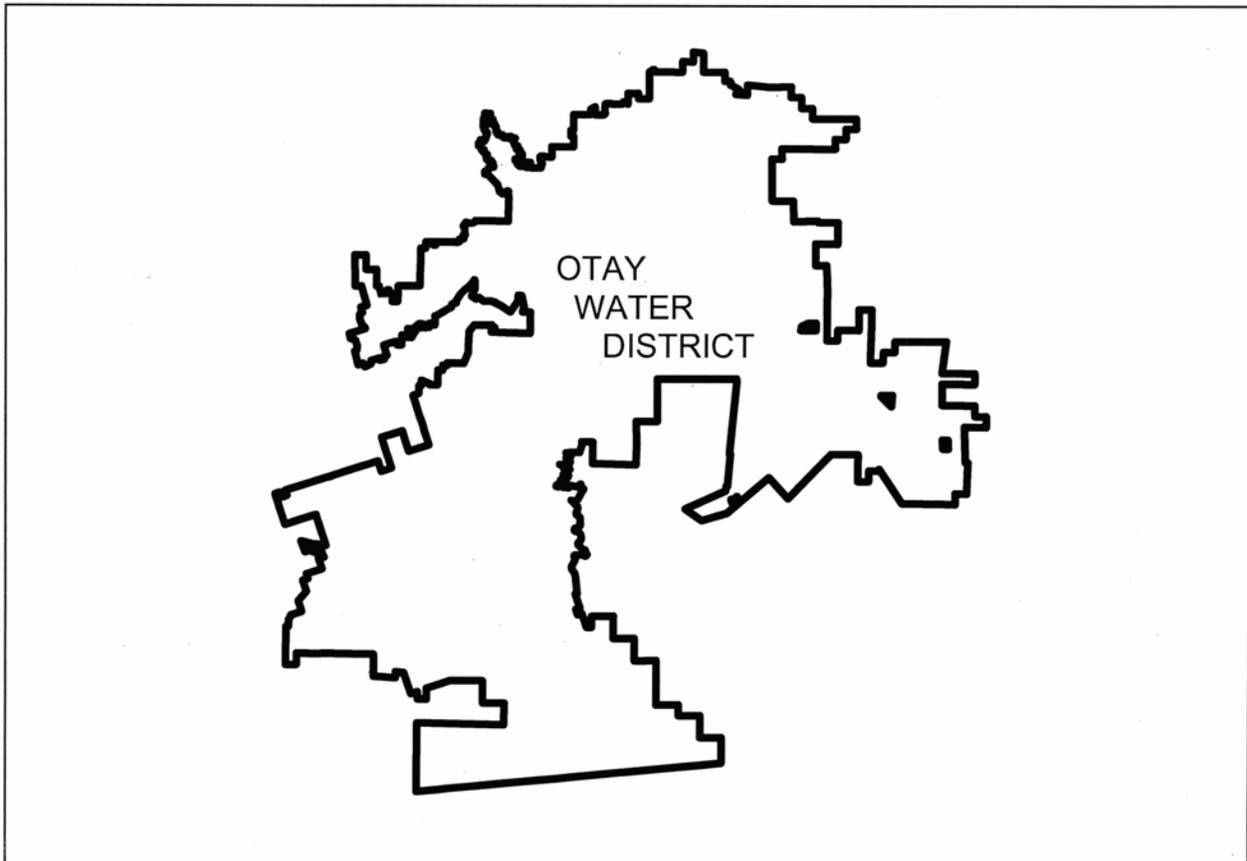
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Tim Keeran

Date: 02/18/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2485

PROJECT TITLE: SCADA Communication System and Software Replacement

PROJECT MANAGER:	Stalker	DIRECTOR DIVISION:	District Wide
ORIGINAL APPROVED DATE:	5/21/2009	I.D. LOCATION:	District Wide
RELATED CIP PROJECTS:		PRIORITY:	1
		BUDGET AMOUNT:	\$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 the 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:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund			100%	100%
TOTAL:			100%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$265	\$350	\$475	\$235				\$1,325

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2485

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:			
DESIGN:			
CONSTRUCTION:	07/09	06/13	\$1,325

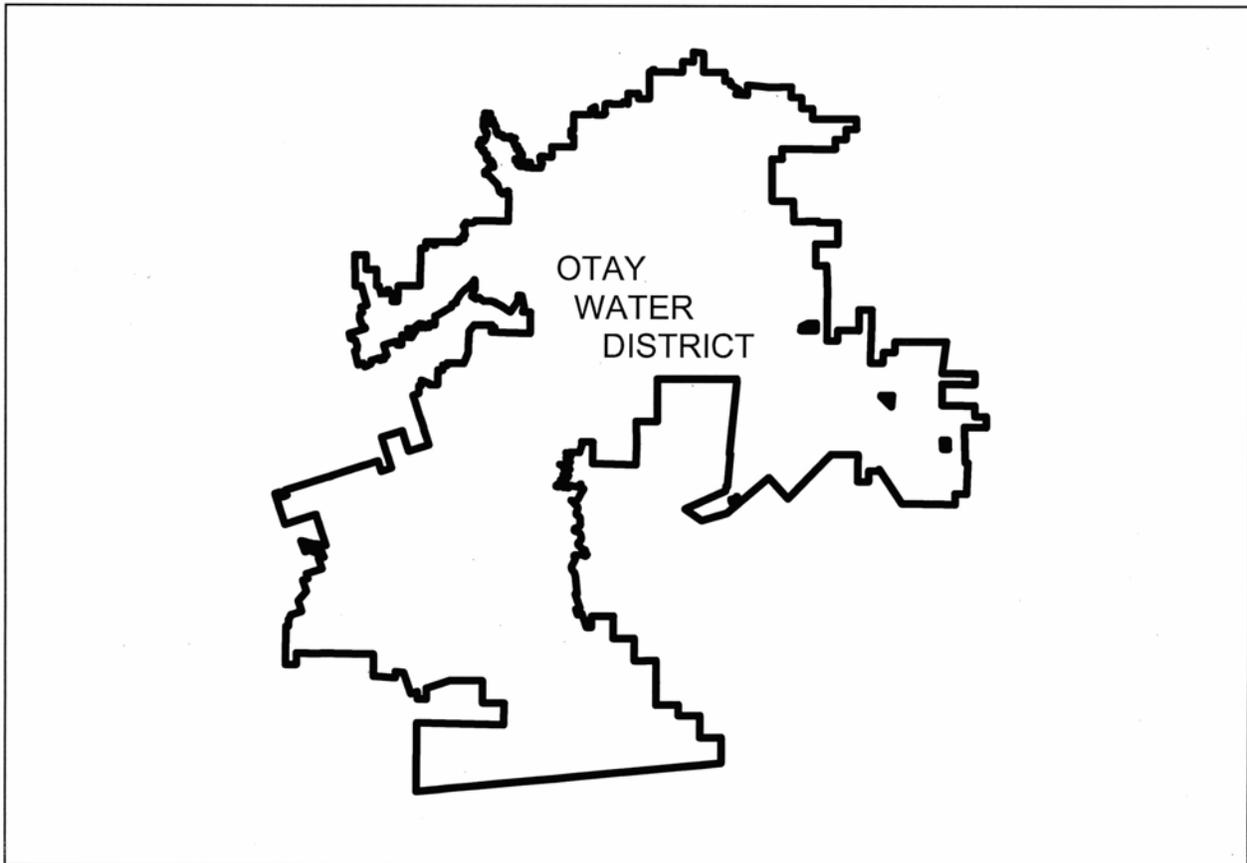
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Gary Stalker

Date: 02/11/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2486

PROJECT TITLE: Asset Management Plan Condition Assessment and Data Acquisition

PROJECT MANAGER: Stevens	DIRECTOR DIVISION: District Wide
ORIGINAL APPROVED DATE: 5/21/2009	I.D. LOCATION: District Wide
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$1,150,000

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%
TOTAL:			100%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$250	\$600	\$200	\$100				\$1,150

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2486

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/09	06/13	\$1,150
DESIGN:			
CONSTRUCTION:			

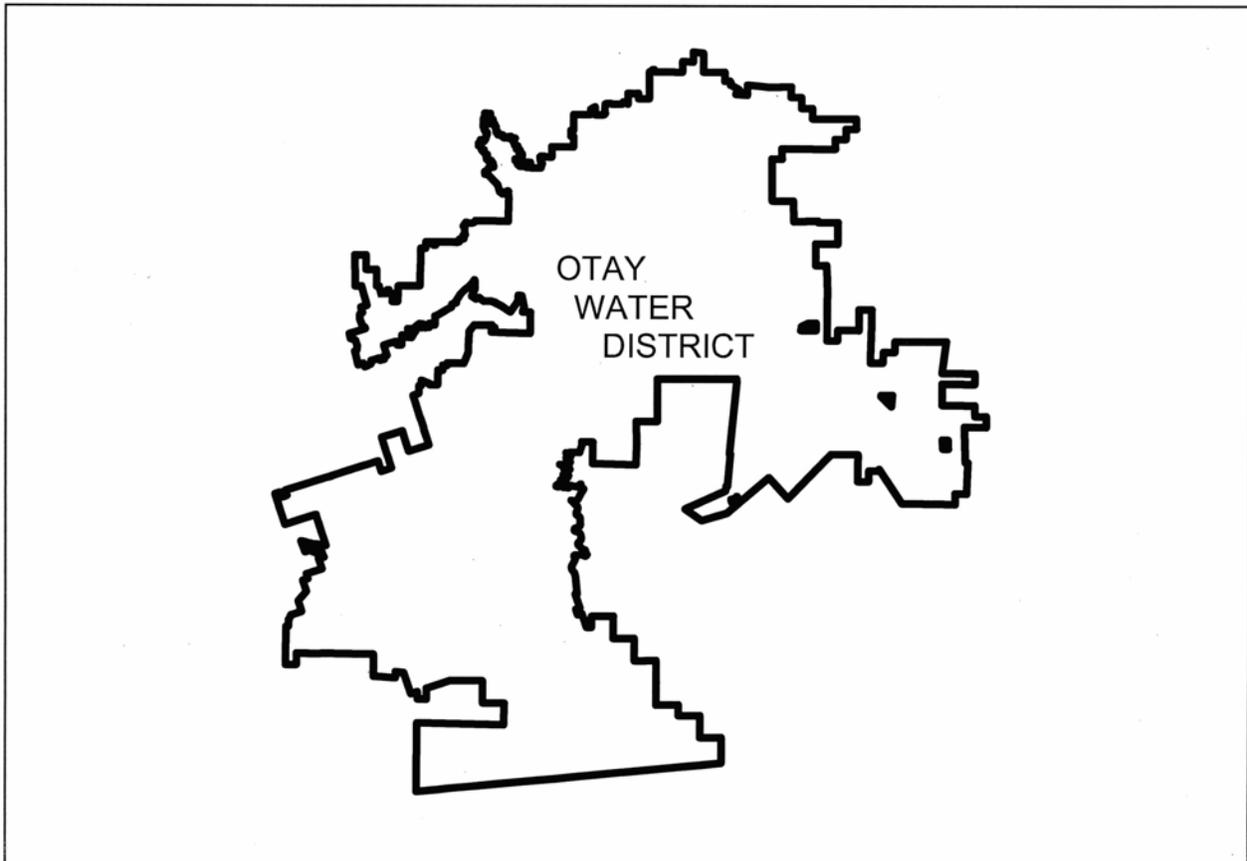
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Geoff Stevens

Date: 02/19/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2490

PROJECT TITLE: 1296-1 Reservoir Interior/Exterior Coating

PROJECT MANAGER: Kay	DIRECTOR DIVISION: 5
ORIGINAL APPROVED DATE: 5/21/2009	I.D. LOCATION: 9
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$350,000

DESCRIPTION OF PROJECT:

This project provides funding for the interior and exterior coating of the 1296-1 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 August 8, 2008 the 1296-1 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%
TOTAL:			100%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$100	\$240	\$10					\$350

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2490

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	\$15
CONSTRUCTION:	01/10	06/12	\$331

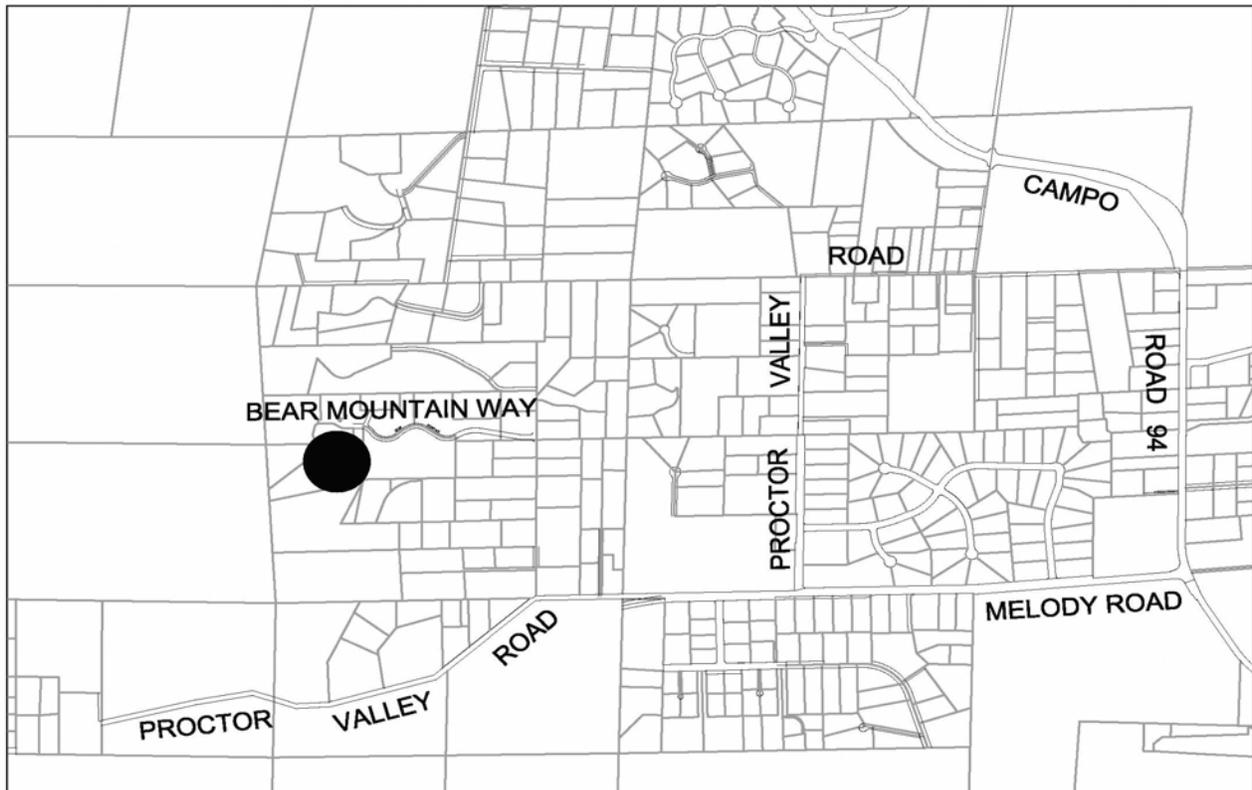
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1292

OWD Map Book: 307



Submitted By: Daniel Kay

Date: 02/02/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2491

PROJECT TITLE: 850-3 Reservoir Exterior Coating

PROJECT MANAGER: Kay	DIRECTOR DIVISION: 5
ORIGINAL APPROVED DATE: 5/21/2009	I.D. LOCATION: 20
RELATED CIP PROJECTS:	PRIORITY: 2
	BUDGET AMOUNT: \$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%
TOTAL:			100%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$1	\$10	\$284	\$5				\$300

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2491

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	\$15
CONSTRUCTION:	01/10	06/13	\$281

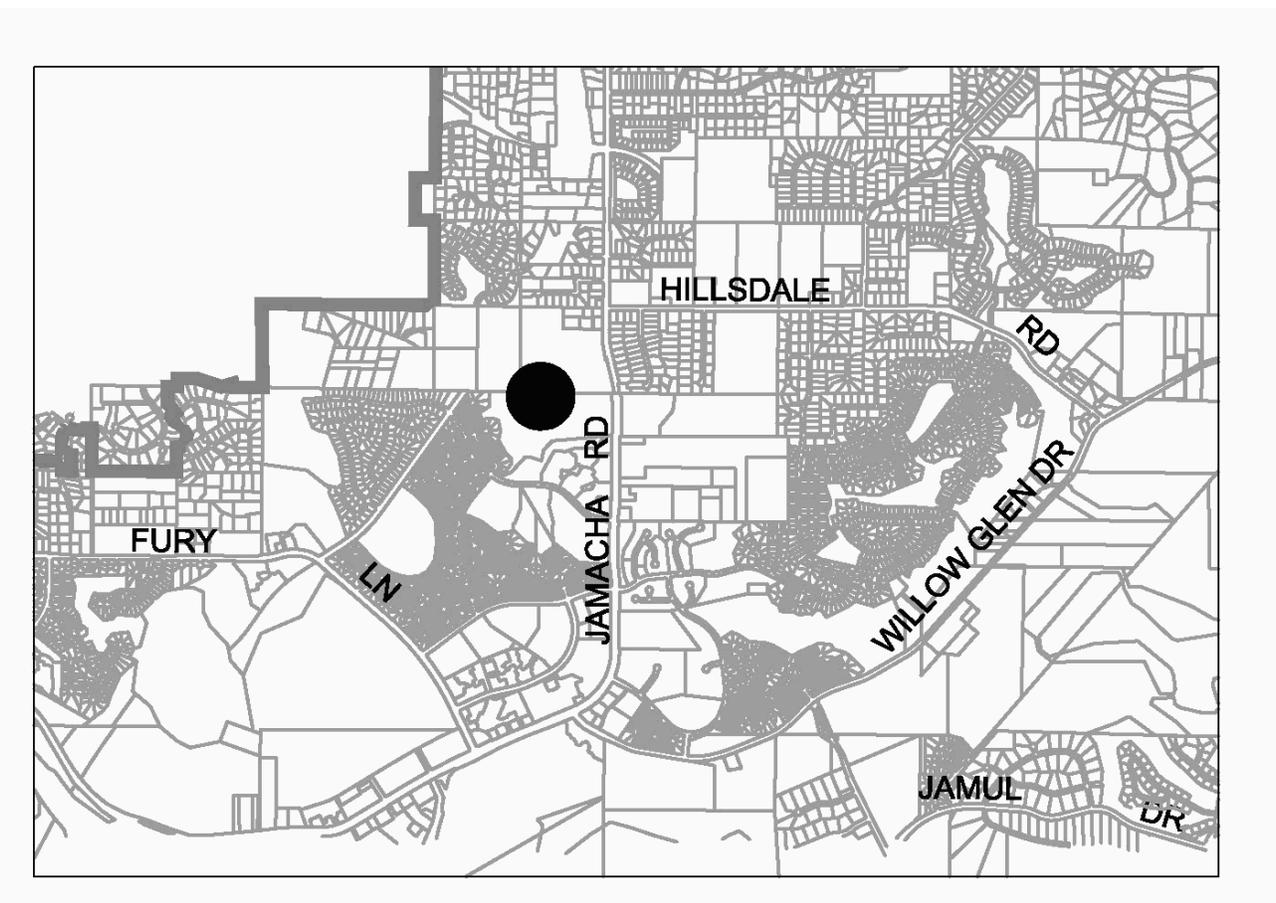
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1272

OWD Map Book: 355



Submitted By: Daniel Kay

Date: 02/02/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2492

PROJECT TITLE: 1296-2 Reservoir Interior/Exterior Coating

PROJECT MANAGER: Kay	DIRECTOR DIVISION: 5
ORIGINAL APPROVED DATE: 5/21/2009	I.D. LOCATION: 9
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$550,000

DESCRIPTION OF PROJECT:

This project provides funding for the interior and exterior coating of the 1296-2 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 1296-2 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%
TOTAL:			100%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$100	\$440	\$10					\$550

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2492

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/09	08/10	\$4
DESIGN:	09/10	12/10	\$15
CONSTRUCTION:	01/11	06/12	\$531

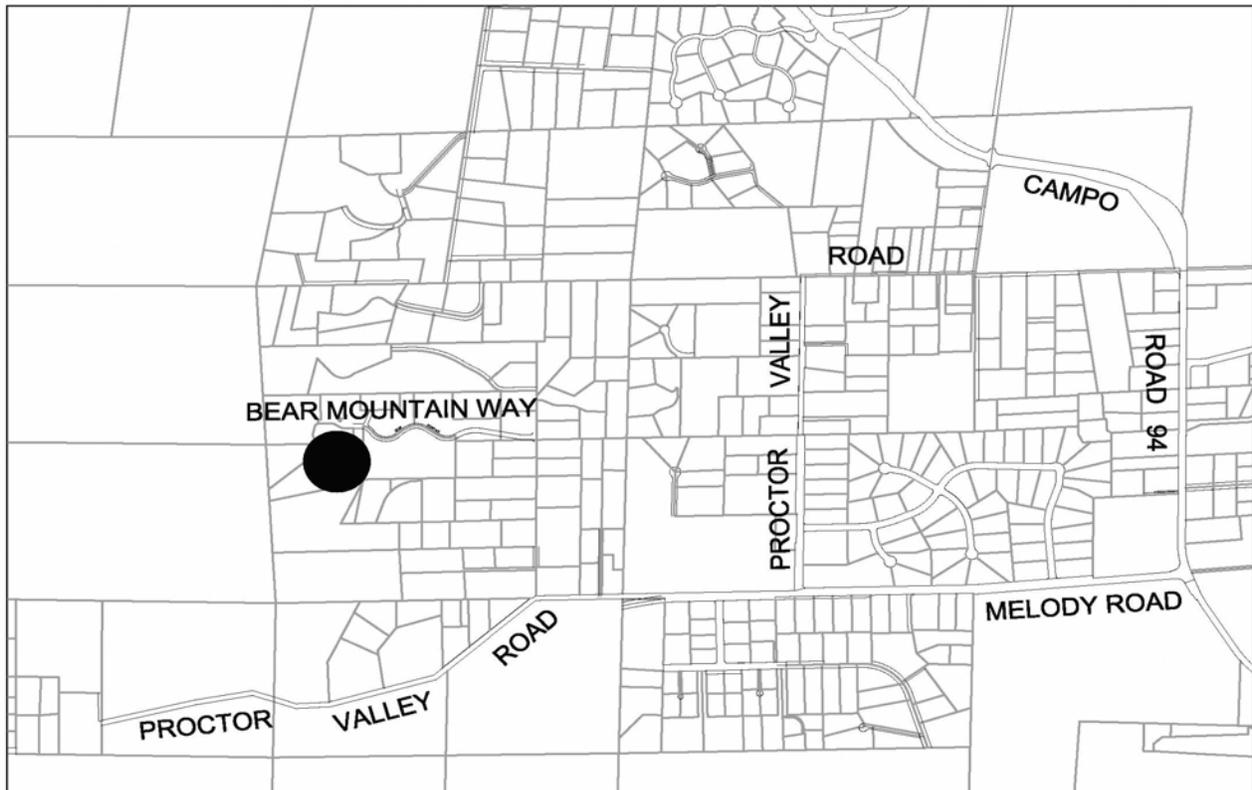
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1292

OWD Map Book: 307



Submitted By: Daniel Kay

Date: 02/02/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2493

PROJECT TITLE: 624-2 Reservoir Interior Coating

PROJECT MANAGER: Kay	DIRECTOR DIVISION: 1
ORIGINAL APPROVED DATE: 5/21/2009	I.D. LOCATION: 22
RELATED CIP PROJECTS:	PRIORITY: 3
	BUDGET AMOUNT: \$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%
TOTAL:			100%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$1	\$5	\$5	\$935	\$4			\$950

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2493

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/09	08/10	\$4
DESIGN:	09/10	12/10	\$15
CONSTRUCTION:	01/11	06/14	\$931

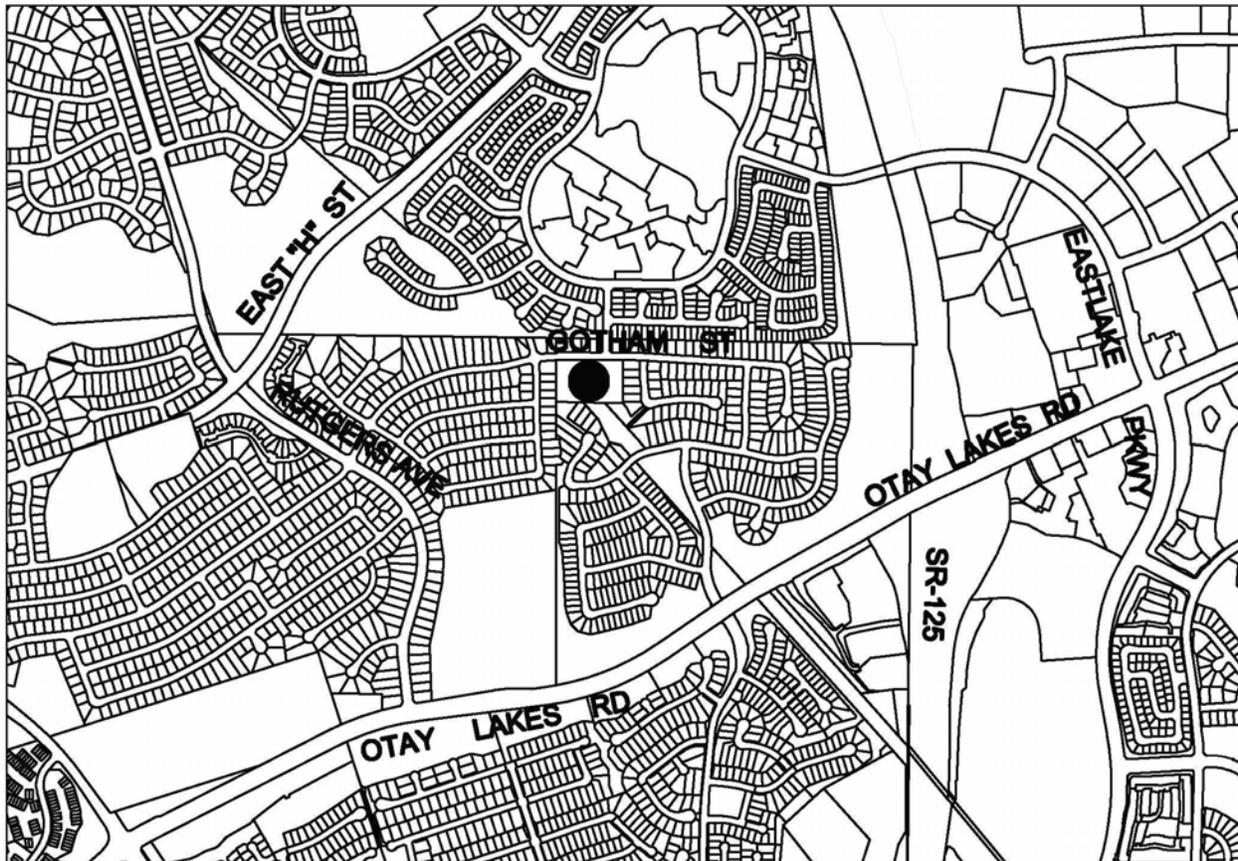
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1311

OWD Map Book: 130



Submitted By: Daniel Kay

Date: 02/02/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2494

PROJECT TITLE: Multiple Species Conservation Plan

PROJECT MANAGER: Coburn-Boyd	DIRECTOR DIVISION: District Wide
ORIGINAL APPROVED DATE: 5/21/2009	I.D. LOCATION: District Wide
RELATED CIP PROJECTS: P2495	PRIORITY: 1
	BUDGET AMOUNT: \$830,000

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:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund	100%			100%
TOTAL:	100%			100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$650	\$170	\$10					\$830

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2494

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/09	06/12	\$830
DESIGN:			
CONSTRUCTION:			

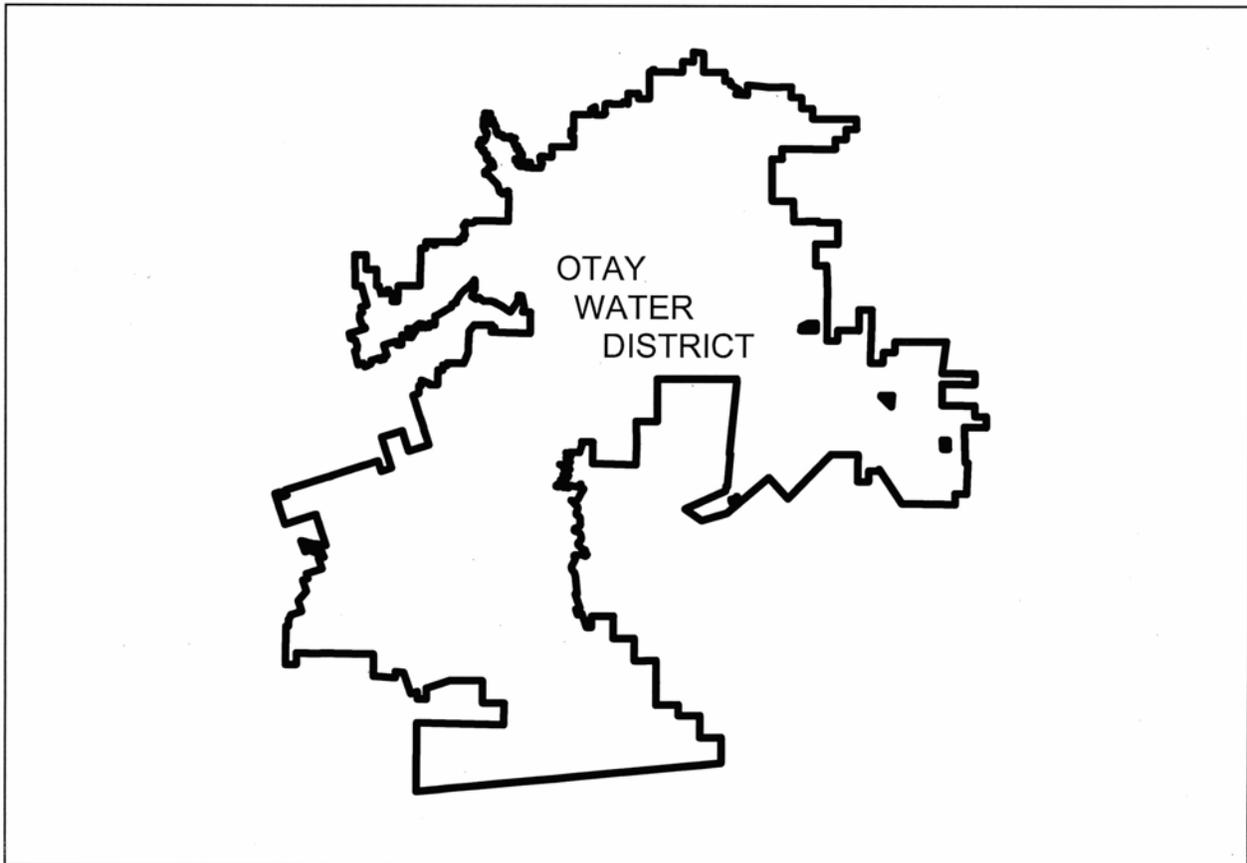
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Lisa Coburn-Boyd

Date: 02/22/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2495

PROJECT TITLE: San Miguel Habitat Management/Mitigation Area

PROJECT MANAGER: Coburn-Boyd	DIRECTOR DIVISION: 4
ORIGINAL APPROVED DATE: 5/21/2009	I.D. LOCATION: 22
RELATED CIP PROJECTS: P2494	PRIORITY: 1
	BUDGET AMOUNT: \$1,725,000

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%
TOTAL:	100%			100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$225	\$250	\$250	\$250	\$250	\$250	\$250	\$1,725

**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	06/15	\$1,725
DESIGN:			
CONSTRUCTION:			

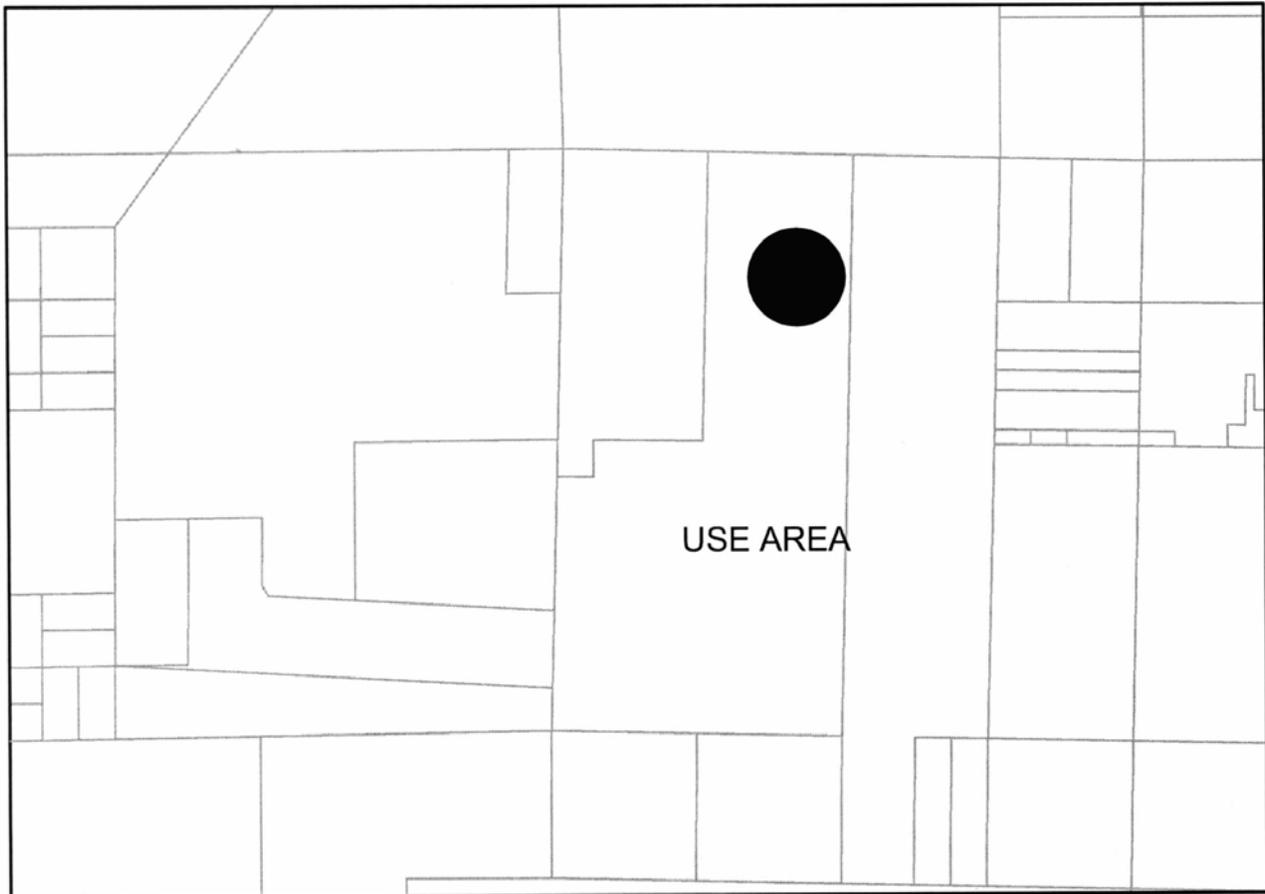
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	
						\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1311

OWD Map Book: 159



Submitted By: Lisa Coburn-Boyd

Date: 02/22/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2496

PROJECT TITLE: Otay Lakes Road Utility Relocations

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

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund			100%	100%
TOTAL:			100%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$45	\$195	\$10					\$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	10/09	\$11
CONSTRUCTION:	01/09	06/12	\$235

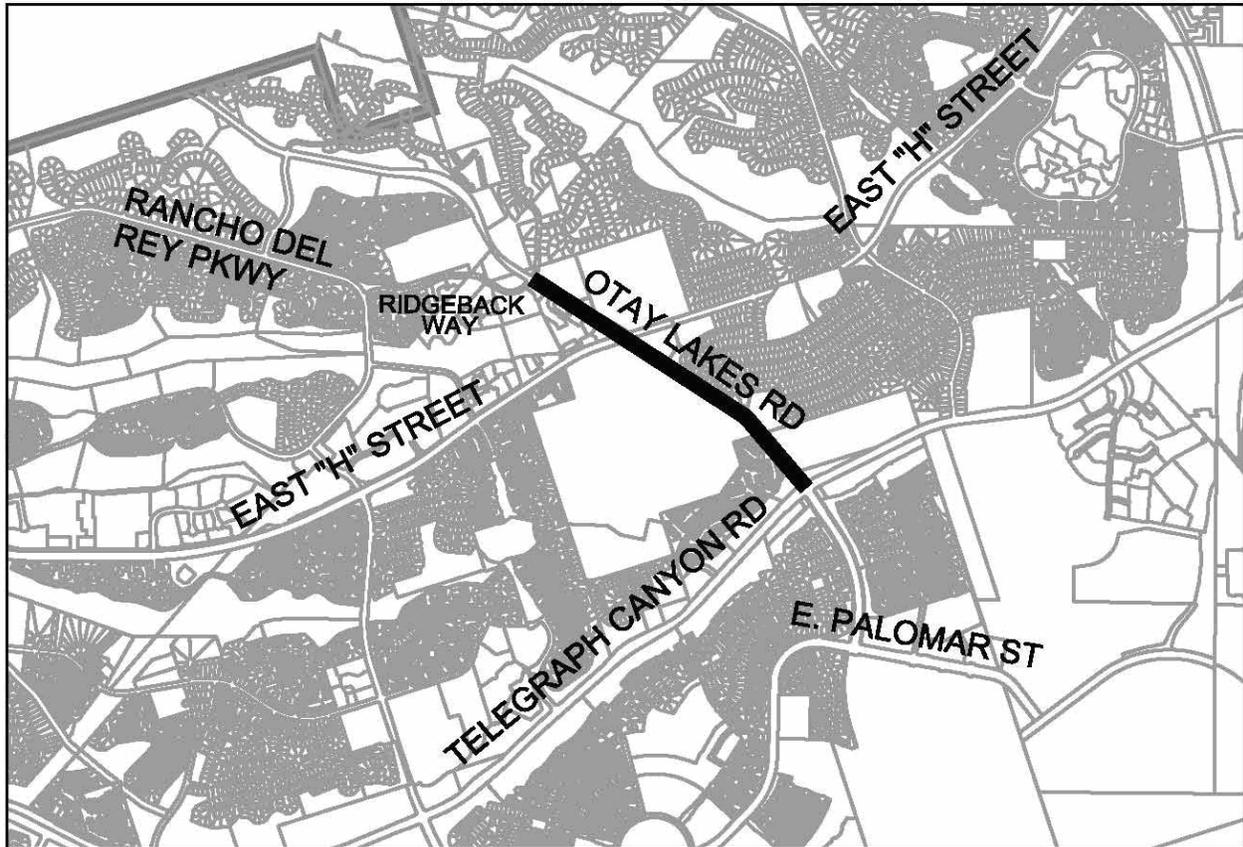
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1311

OWD Map Book: 113



Submitted By: Daniel Kay

Date: 02/02/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2504

PROJECT TITLE: Regulatory Site Access Road and Pipeline Relocation

PROJECT MANAGER: Ripperger	DIRECTOR DIVISION: 3
ORIGINAL APPROVED DATE:	I.D. LOCATION: 20
RELATED CIP PROJECTS: P2466	PRIORITY: 1
	BUDGET AMOUNT: \$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:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund			50%	50%
I.D. 20		50%		50%
TOTAL:		50%	50%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
	\$200	\$400					\$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	06/12	\$500

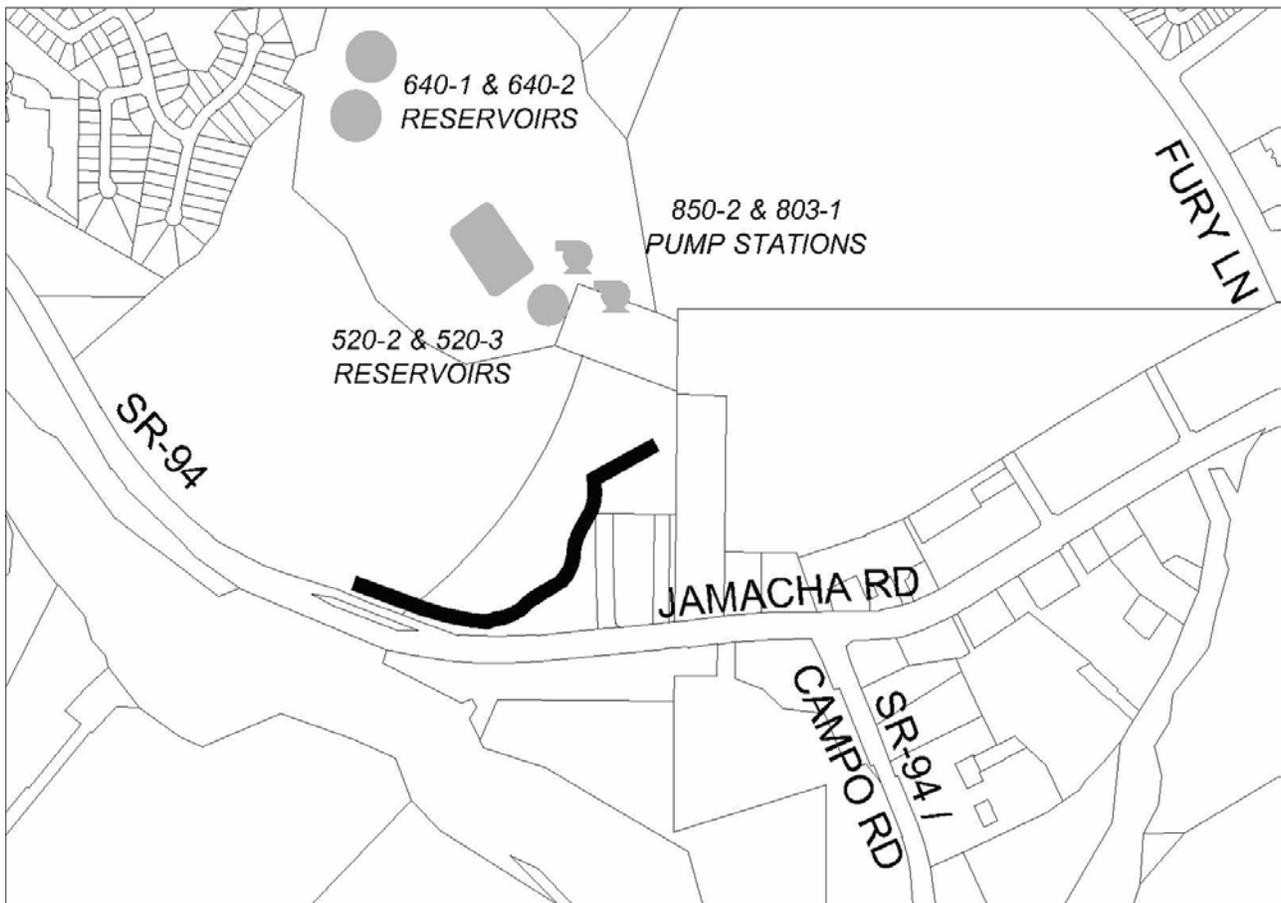
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	

PROJECT LOCATION:

Thomas Bros. Map: 1271

OWD Map Book: 331



Submitted By: Ron Ripperger

Date: 02/24/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2505

PROJECT TITLE: 657-1 Reservoir Interior/Exterior Coating

PROJECT MANAGER: Kay	DIRECTOR DIVISION: 3
ORIGINAL APPROVED DATE:	I.D. LOCATION: 1
RELATED CIP PROJECTS: P2506	PRIORITY: 1
	BUDGET AMOUNT: \$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%
TOTAL:			100%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
	\$325	\$50					\$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

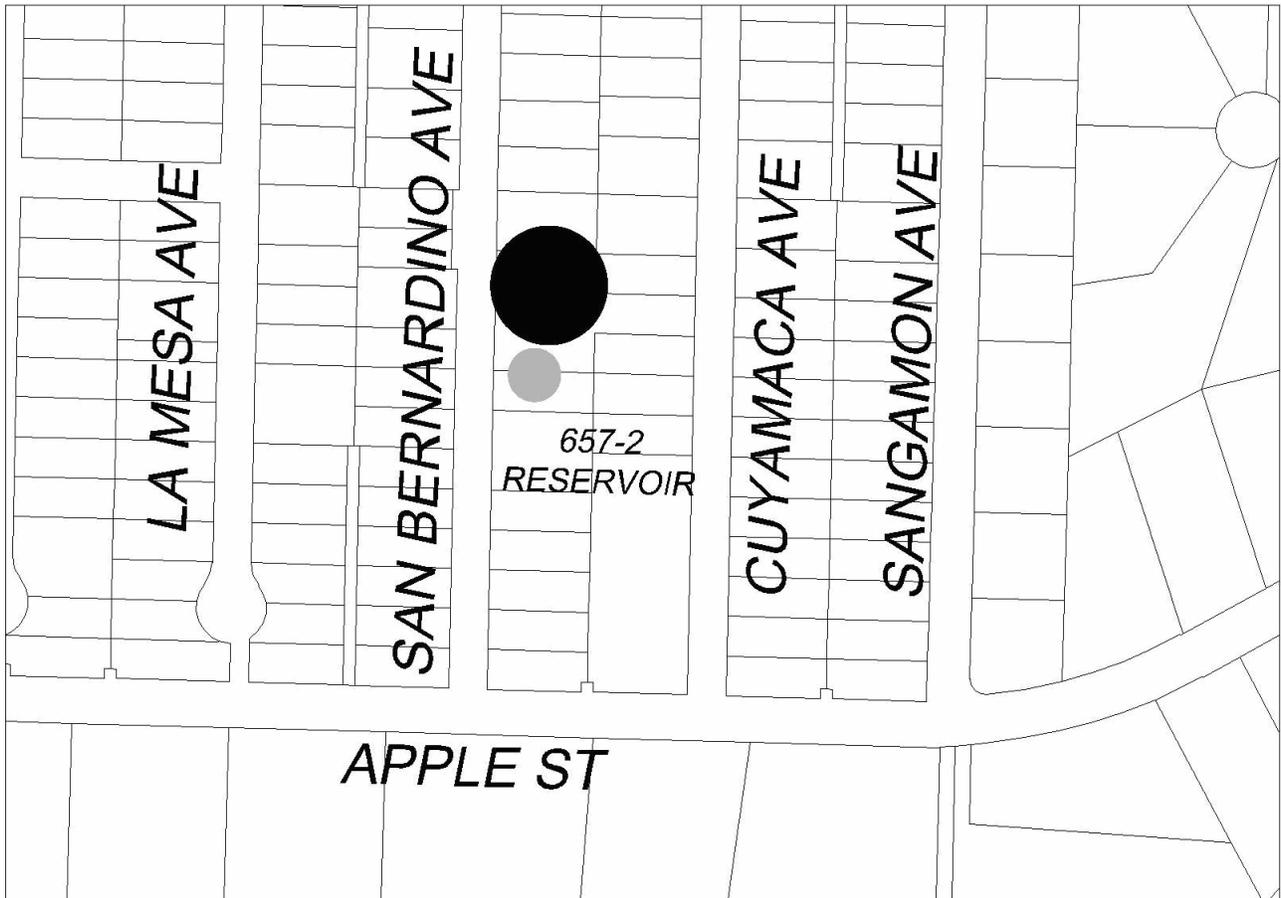
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	

PROJECT LOCATION:

Thomas Bros. Map: 1291

OWD Map Book: 303



Submitted By: Daniel Kay

Date: 02/02/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2506

PROJECT TITLE: 657-2 Reservoir Interior/Exterior Coating

PROJECT MANAGER: Kay	DIRECTOR DIVISION: 3
ORIGINAL APPROVED DATE:	I.D. LOCATION: 1
RELATED CIP PROJECTS: P2505	PRIORITY: 1
	BUDGET AMOUNT: \$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:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund			100%	100%
TOTAL:			100%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
	\$325	\$50					\$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
2011	2012	2013	2014	2015	2016	

PROJECT LOCATION:

Thomas Bros. Map: 1291

OWD Map Book: 303



Submitted By: Daniel Kay

Date: 02/02/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2507

PROJECT TITLE: East Palomar Street Utility Relocation

PROJECT MANAGER: Kennedy	DIRECTOR DIVISION: 2
ORIGINAL APPROVED DATE:	I.D. LOCATION: 10
RELATED CIP PROJECTS:	PRIORITY: 2
	BUDGET AMOUNT: \$500,000

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%
TOTAL:			100%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
	\$20	\$75	\$155	\$250			\$500

**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	\$465

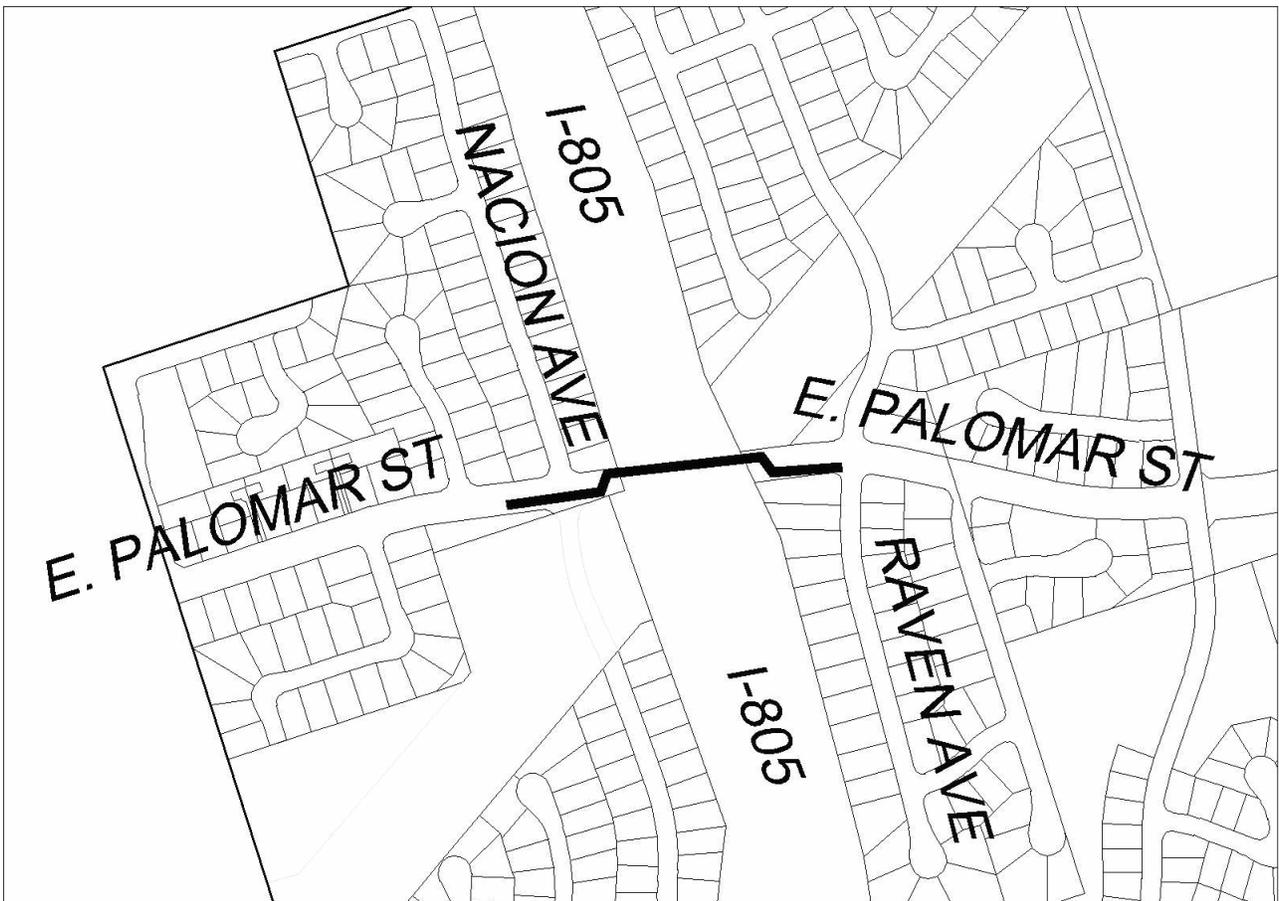
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	

PROJECT LOCATION:

Thomas Bros. Map: 1330

OWD Map Book: 80



Submitted By: Bob Kennedy

Date: 02/19/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2508

PROJECT TITLE: Pipeline Cathodic Protection Replacement Program

PROJECT MANAGER: Kennedy	DIRECTOR DIVISION: District Wide
ORIGINAL APPROVED DATE:	I.D. LOCATION: District Wide
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$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:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund			100%	100%
TOTAL:			100%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
	\$50	\$100					\$150

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2508

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	\$115

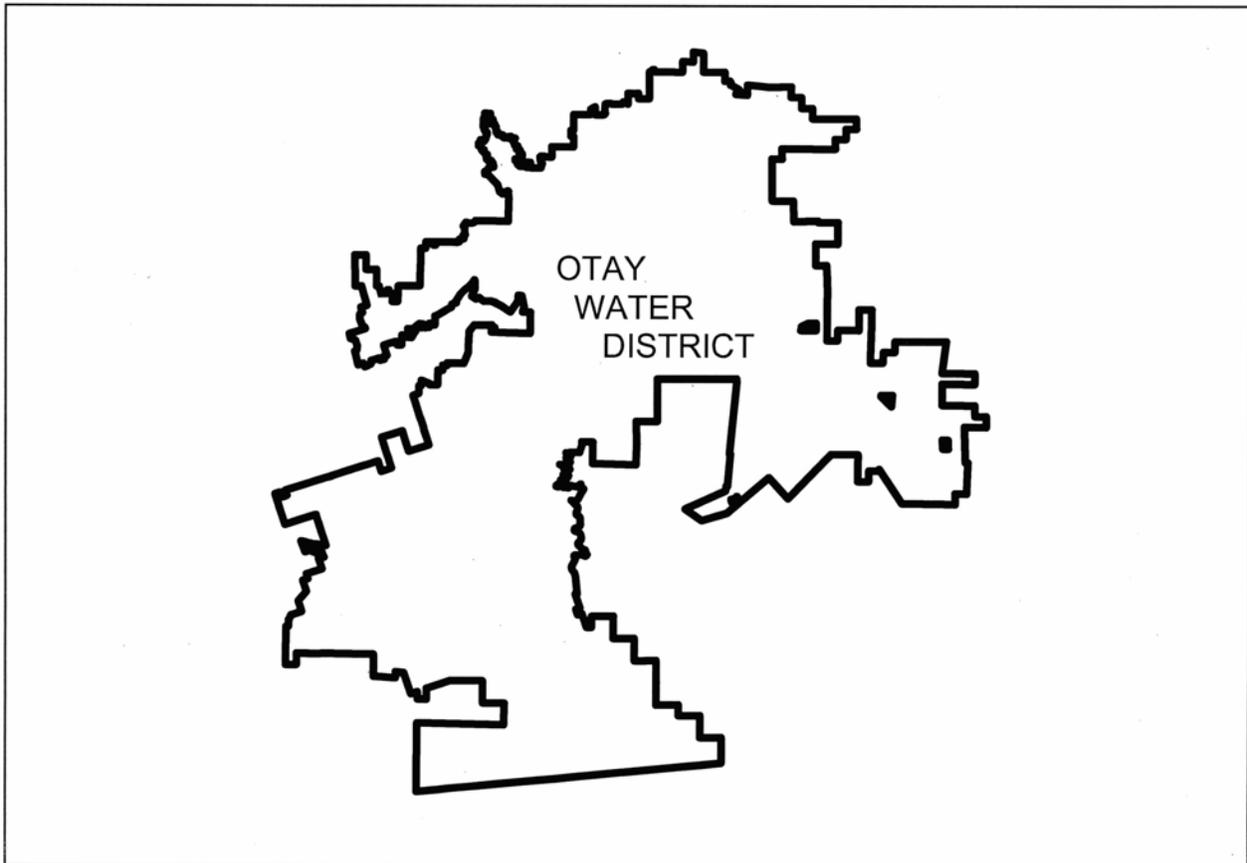
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Bob Kennedy

Date: 02/19/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2096

PROJECT TITLE: RWCWRF - Upgrades and Modifications

PROJECT MANAGER: Coburn-Boyd	DIRECTOR DIVISION: 3
ORIGINAL APPROVED DATE: 5/21/2009	I.D. LOCATION: 20
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$2,500,000

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:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund			100%	100%
TOTAL:			100%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$400	\$1,200	\$900					\$2,500

**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	12/10	\$110
CONSTRUCTION:	01/11	06/12	\$2,350

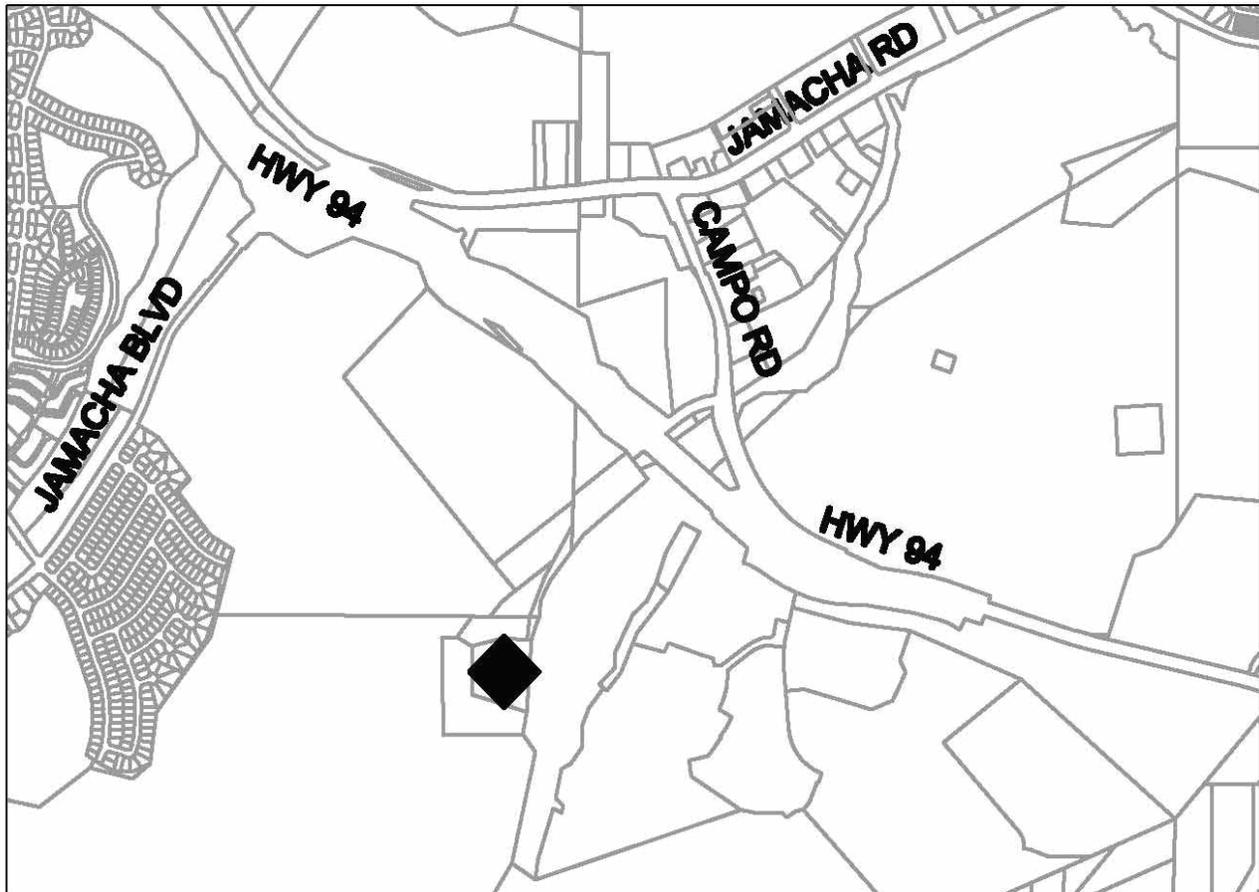
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1271

OWD Map Book: 319



Submitted By: Lisa Coburn-Boyd

Date: 02/22/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: S2012

PROJECT TITLE: SVSD Outfall and RSD Replacement and OM Reimbursement

PROJECT MANAGER:	Peasley	DIRECTOR DIVISION:	District Wide
ORIGINAL APPROVED DATE:	6/4/2003	I.D. LOCATION:	District Wide
RELATED CIP PROJECTS:		PRIORITY:	1
		BUDGET AMOUNT:	\$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%
TOTAL:			100%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$2,200	\$642	\$350	\$300	\$300	\$300	\$300	\$4,392

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: S2012

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/03	06/15	\$4,392
DESIGN:			
CONSTRUCTION:			

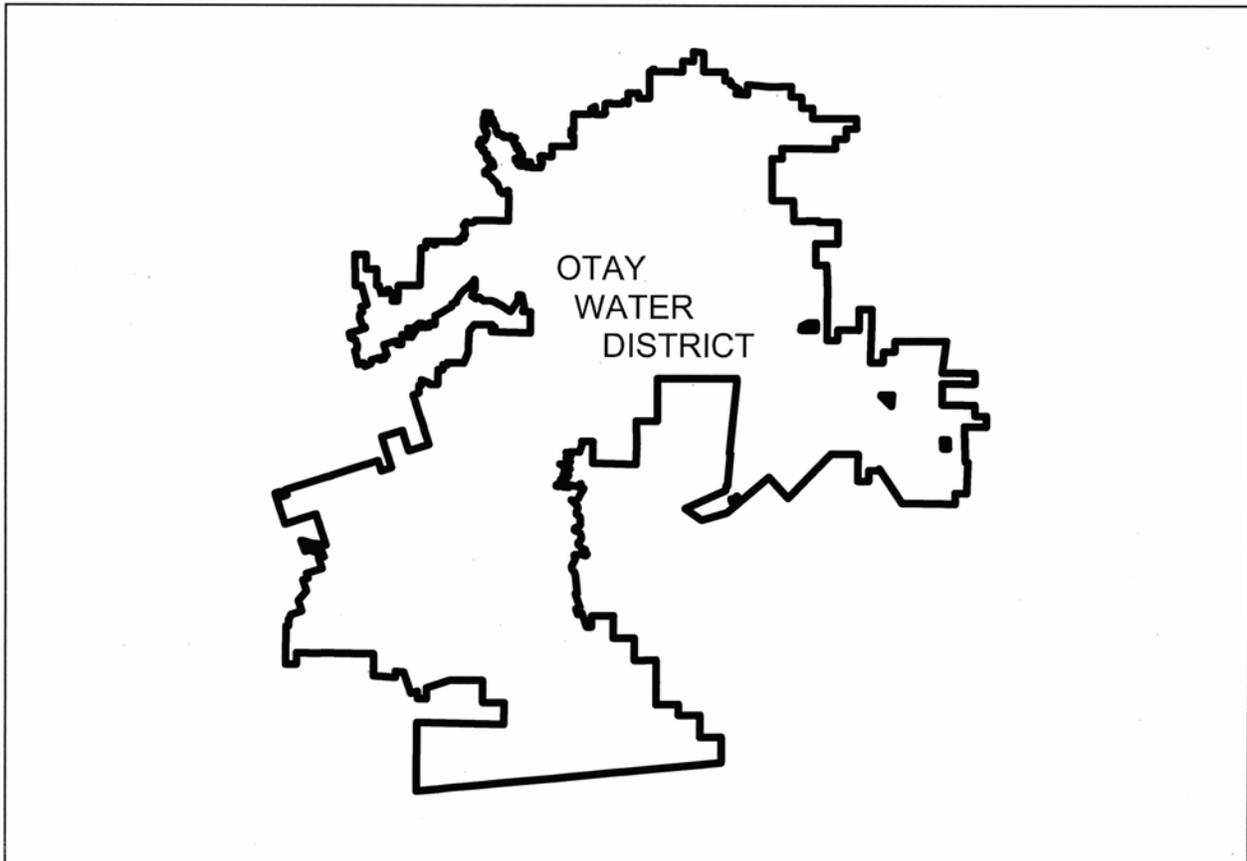
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	
						\$0.00

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: James Peasley

Date: 02/19/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: S2019

PROJECT TITLE: Avocado Boulevard 8-Inch Sewer Main Improvement

PROJECT MANAGER:	Kay	DIRECTOR DIVISION:	5
ORIGINAL APPROVED DATE:	5/21/2009	I.D. LOCATION:	18
RELATED CIP PROJECTS:		PRIORITY:	1
		BUDGET AMOUNT:	\$1,730,000

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%
TOTAL:		100%		100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$200	\$1,515	\$15					\$1,730

**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	06/12	\$1,485

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1271

OWD Map Book: 342



Submitted By: Daniel Kay

Date: 02/02/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: S2020

PROJECT TITLE: Calavo Drive 8-Inch Sewer Main Replacement

PROJECT MANAGER: Kay	DIRECTOR DIVISION: 5
ORIGINAL APPROVED DATE: 5/21/2009	I.D. LOCATION: 18
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$420,000

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:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund			100%	100%
TOTAL:			100%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$50	\$360	\$10					\$420

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: S2020

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/09	02/10	\$14
DESIGN:	03/10	09/10	\$40
CONSTRUCTION:	10/10	06/12	\$366

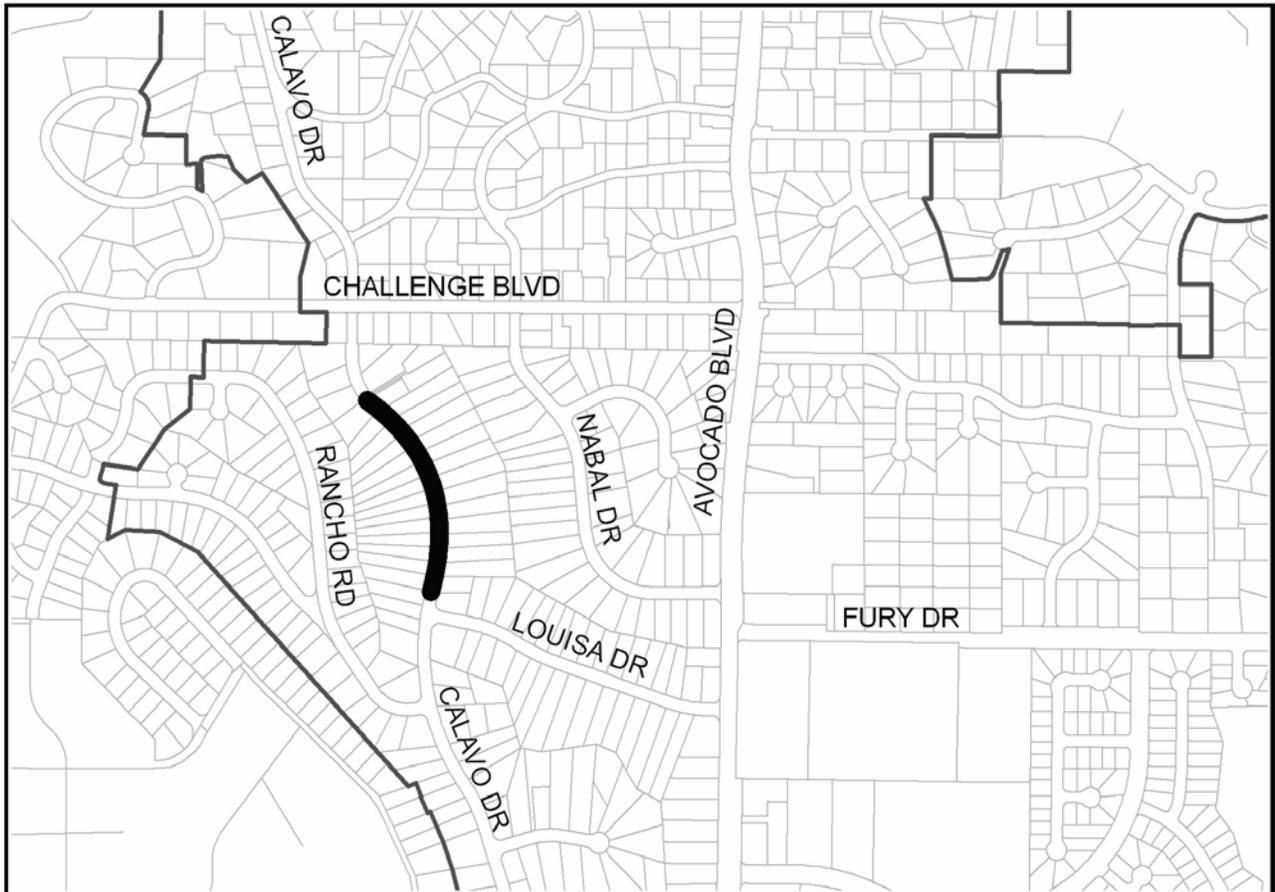
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1271

OWD Map Book: 342



Submitted By: Daniel Kay

Date: 02/02/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: S2021

PROJECT TITLE: Jamacha Road 8-Inch Sewer Main Replacement

PROJECT MANAGER:	Kay	DIRECTOR DIVISION:	5
ORIGINAL APPROVED DATE:	5/21/2009	I.D. LOCATION:	18
RELATED CIP PROJECTS:		PRIORITY:	1
		BUDGET AMOUNT:	\$160,000

DESCRIPTION OF PROJECT:

This project provides funds to replace approximately 335 feet of existing 8-inch PVC sewer main in Jamacha Road.

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
General Fund			100%	100%
TOTAL:			100%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$115	\$40	\$5					\$160

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: S2021

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	\$40
CONSTRUCTION:	10/10	06/12	\$114

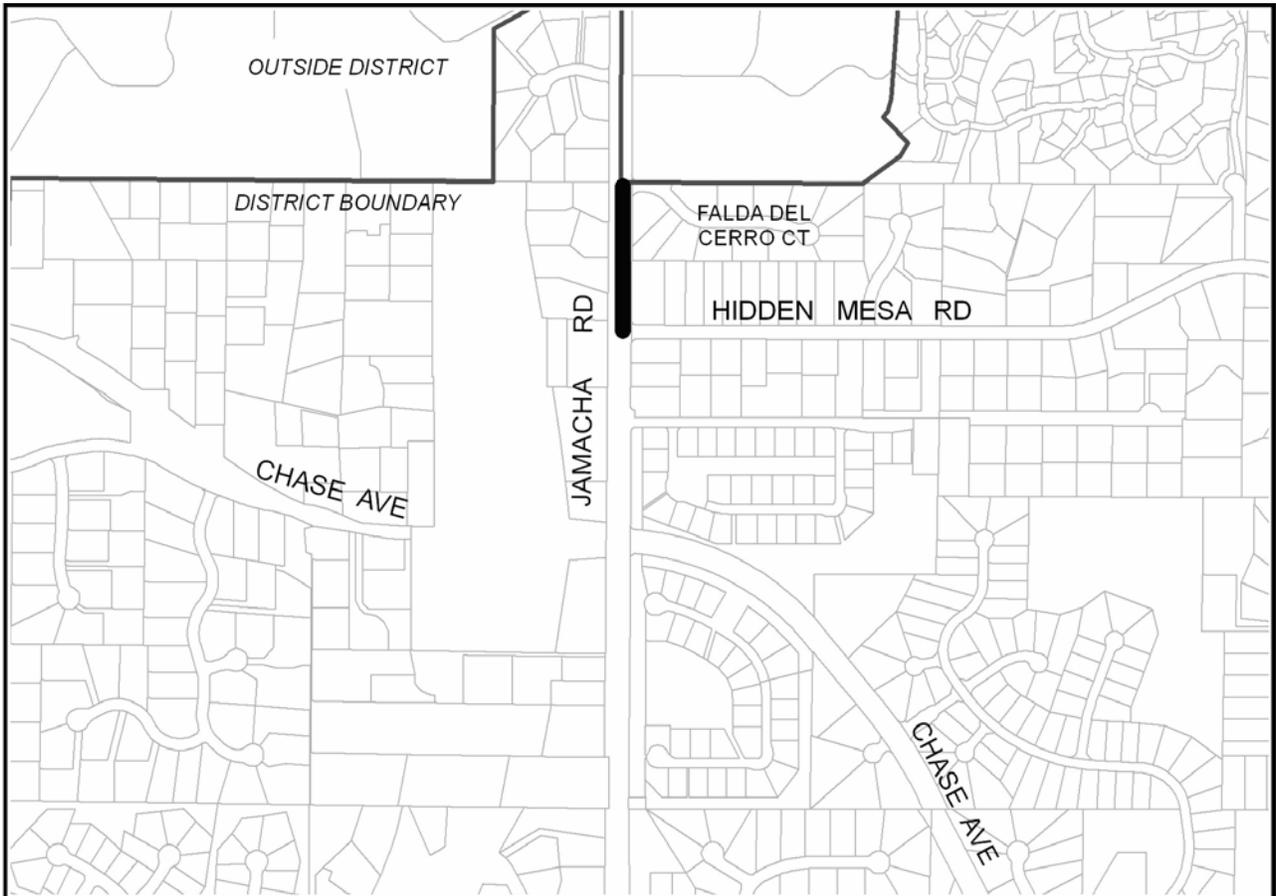
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1272

OWD Map Book: 368



Submitted By: Daniel Kay

Date: 02/02/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: S2022

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

PROJECT MANAGER:	Kay	DIRECTOR DIVISION:	5
ORIGINAL APPROVED DATE:	5/21/2009	I.D. LOCATION:	18
RELATED CIP PROJECTS:		PRIORITY:	1
		BUDGET AMOUNT:	\$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:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
Sewer		100%		100%
TOTAL:		100%		100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$25	\$120	\$5					\$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	06/12	\$108

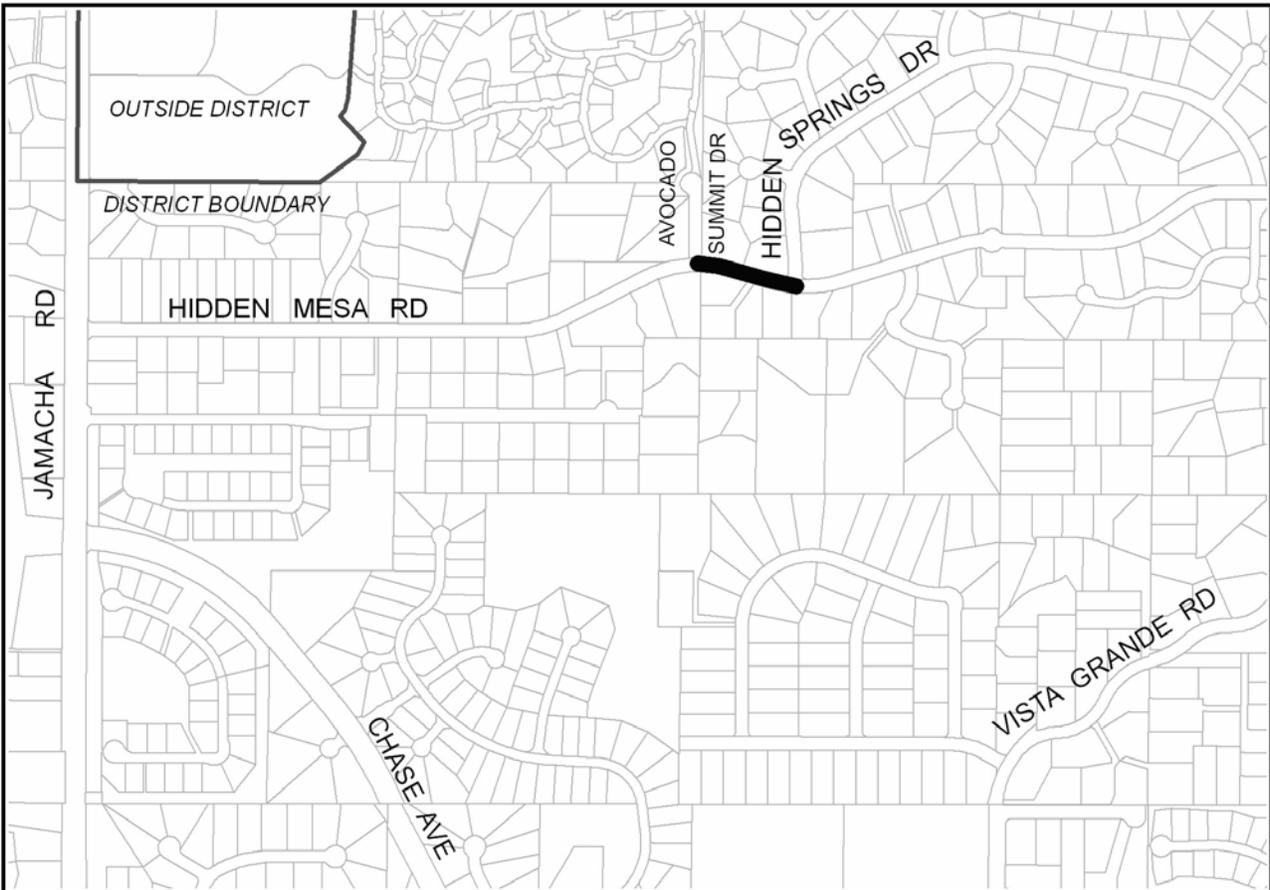
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	
						\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1272

OWD Map Book: 368



Submitted By: Daniel Kay

Date: 02/02/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: S2023

PROJECT TITLE: Calavo Drive Sewer Main Utility Relocation

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

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund			100%	100%
TOTAL:			100%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$15	\$50						\$65

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: S2023

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/09	09/09	\$2
DESIGN:	10/09	01/10	\$30
CONSTRUCTION:	02/10	06/11	\$33

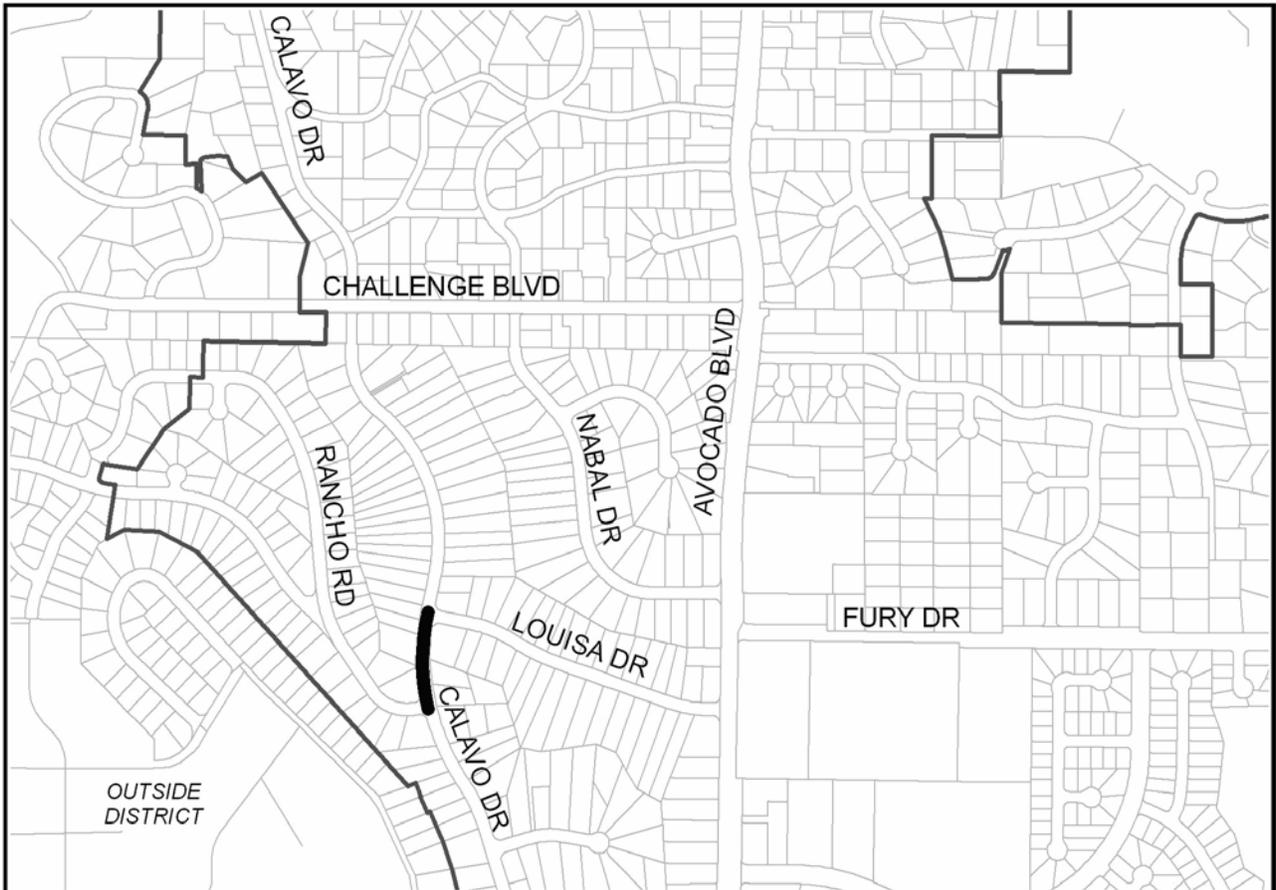
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1271

OWD Map Book: 342



Submitted By: Daniel Kay

Date: 02/02/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: S2024

PROJECT TITLE: Campo Road Sewer Main Replacement

PROJECT MANAGER: Kennedy	DIRECTOR DIVISION: 3
ORIGINAL APPROVED DATE:	I.D. LOCATION: 18
RELATED CIP PROJECTS:	PRIORITY: 2
	BUDGET AMOUNT: \$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%
TOTAL:			100%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
	\$75	\$150	\$250	\$1,500	\$1,250	\$25	\$3,250

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: S2024

PROJECT SCHEDULE:

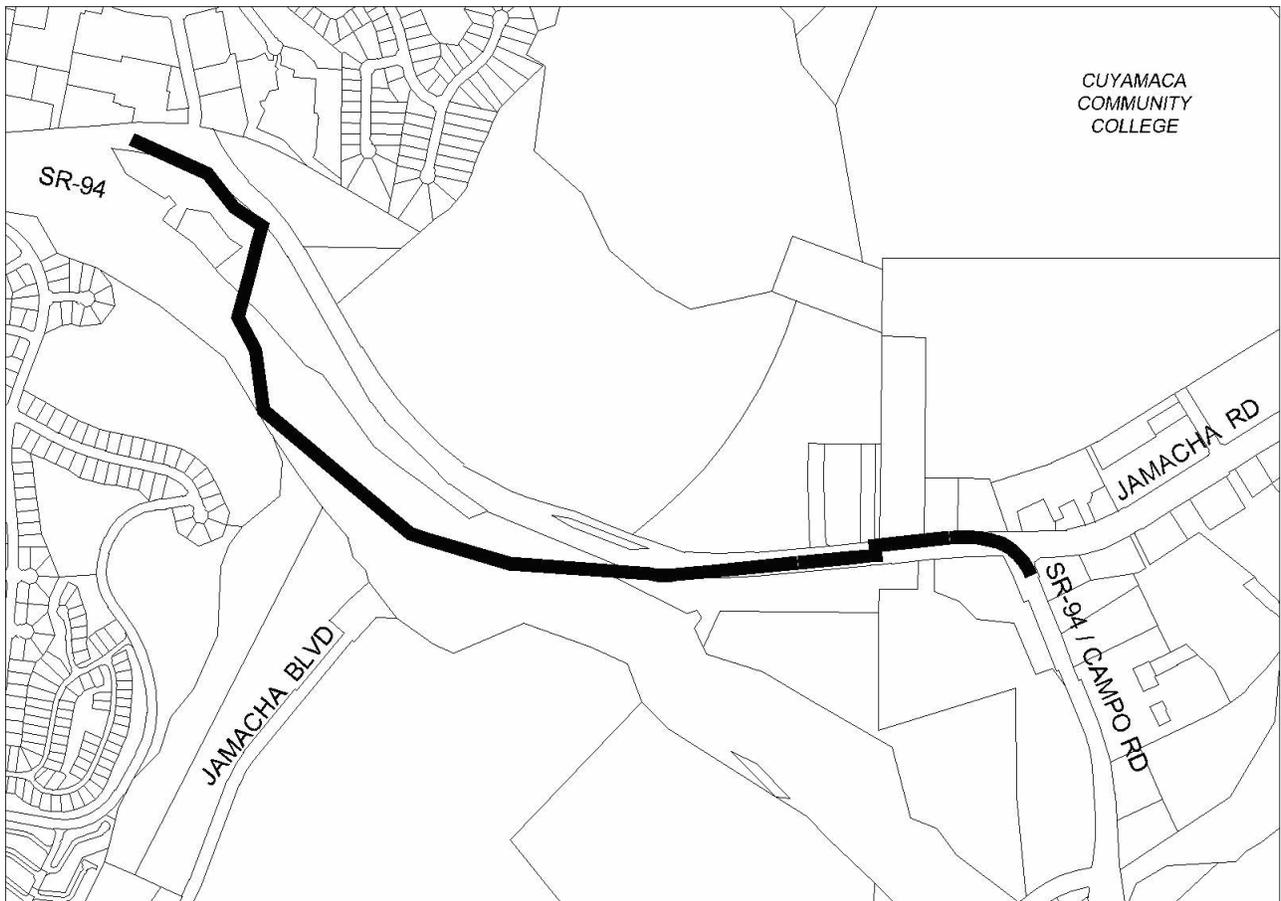
PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/10	12/10	\$80
DESIGN:	01/11	01/12	\$450
CONSTRUCTION:	02/12	06/16	\$2,720

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION: Thomas Bros. Map: 1271

OWD Map Book: 330



Submitted By: Bob Kennedy

Date: 02/19/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: S2025

PROJECT TITLE: Wieghorst Way Sewer Main Replacement

PROJECT MANAGER: Kennedy	DIRECTOR DIVISION: 5
ORIGINAL APPROVED DATE:	I.D. LOCATION: 18
RELATED CIP PROJECTS:	PRIORITY: 2
	BUDGET AMOUNT: \$175,000

DESCRIPTION OF PROJECT:

This project provides funds to replace approximately 445 feet of existing 10-inch PVC sewer main in Weighorst Way.

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAIL:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund			100%	100%
TOTAL:			100%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
	\$25	\$25	\$125				\$175

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: S2025

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/10	02/11	\$2
DESIGN:	03/11	09/11	\$40
CONSTRUCTION:	10/11	06/13	\$133

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	
						\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1271

OWD Map Book: 343



Submitted By: Bob Kennedy

Date: 02/19/2010



Capital Purchase Projects



**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2282

PROJECT TITLE: Vehicle Capital Purchases

PROJECT MANAGER: Rahders	DIRECTOR DIVISION: District Wide
ORIGINAL APPROVED DATE: 6/3/1996	I.D. LOCATION: District Wide
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$4,945,000

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:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund			100%	100%
TOTAL:			100%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$2,000	\$540	\$470	\$640	\$450	\$445	\$400	\$4,945

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2282

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	12/00	06/16	\$4,945
DESIGN:			
CONSTRUCTION:			

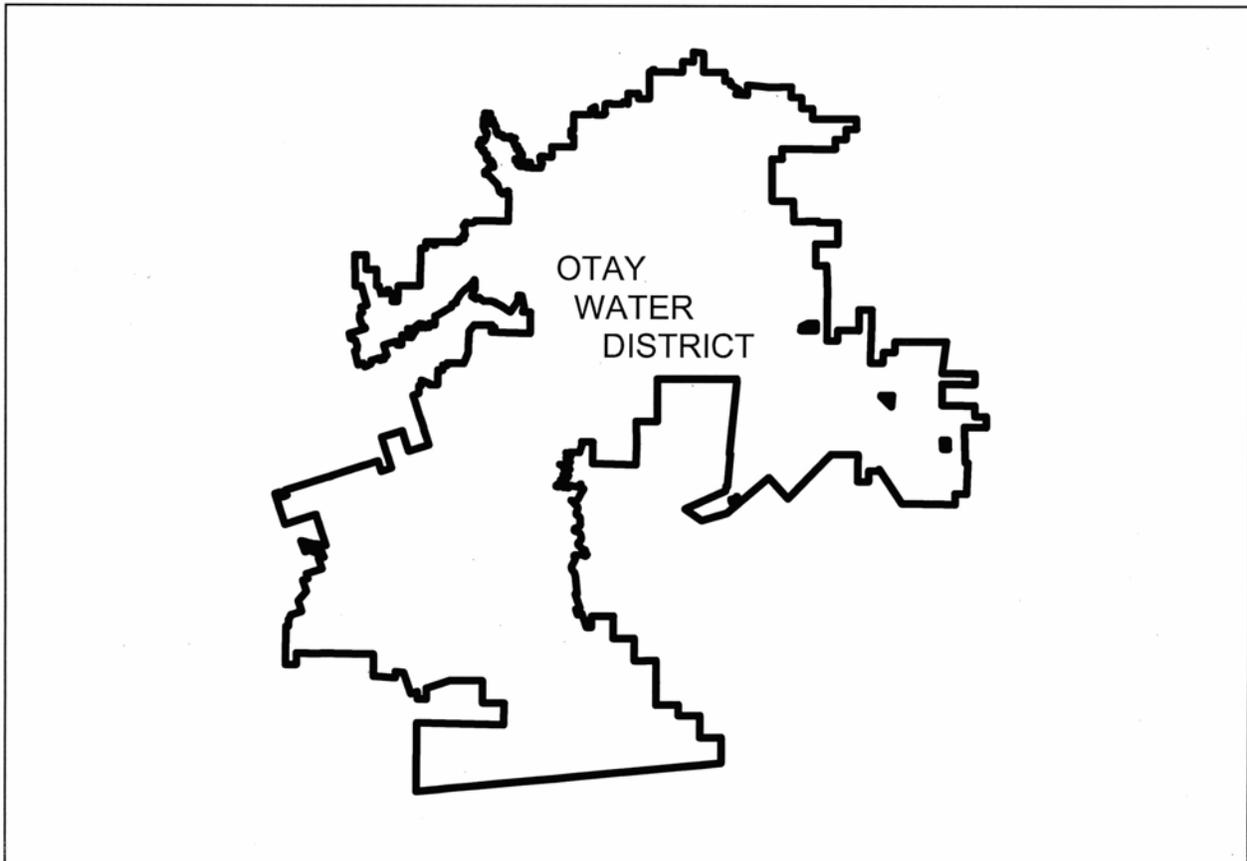
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	
						\$0.00

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Doug Rahders

Date: 02/26/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2286

PROJECT TITLE: Field Equipment Capital Purchases

PROJECT MANAGER: Rahders	DIRECTOR DIVISION: District Wide
ORIGINAL APPROVED DATE: 6/3/1996	I.D. LOCATION: District Wide
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$1,527,000

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%
TOTAL:			100%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$826	\$201	\$100	\$100	\$100	\$100	\$100	\$1,527

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2286

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	12/00	06/16	\$1,527
DESIGN:			
CONSTRUCTION:			

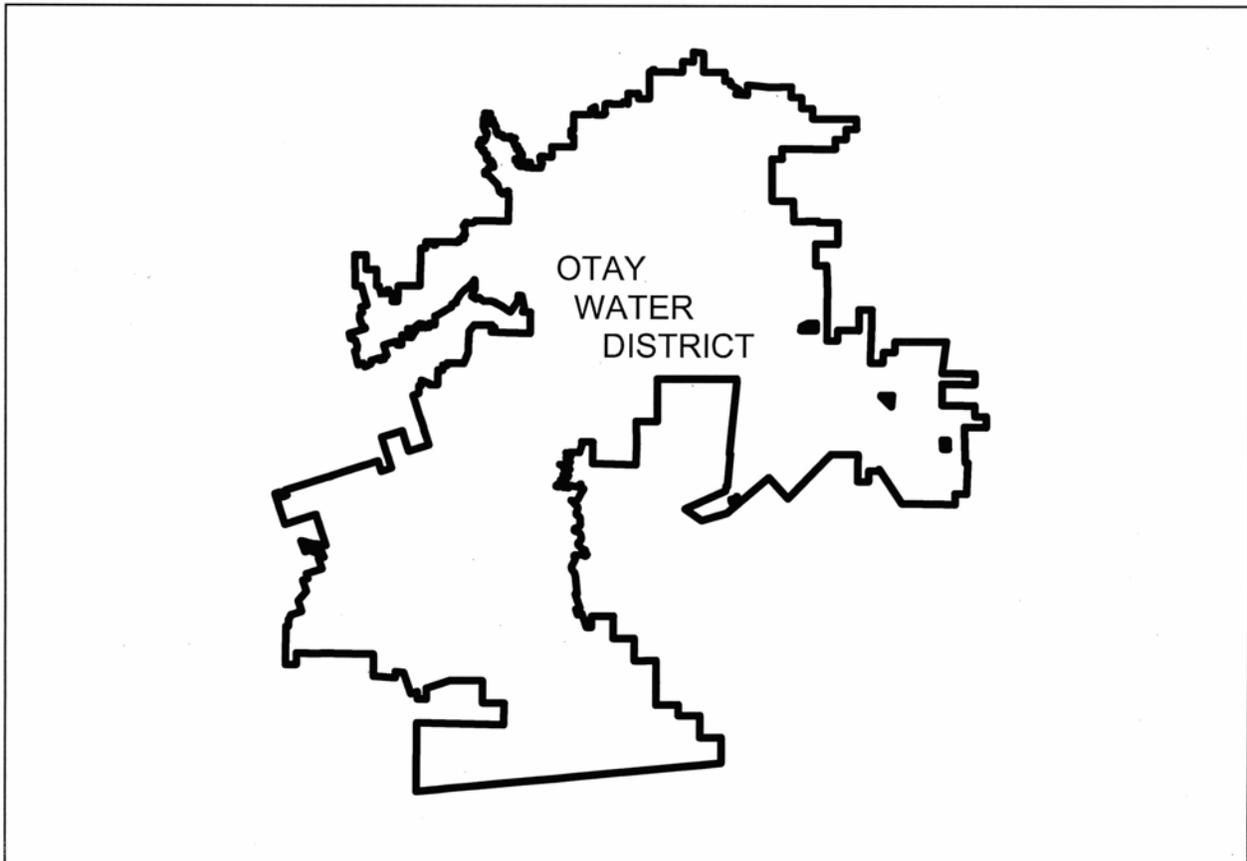
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Doug Rahders

Date: 02/26/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2443

PROJECT TITLE: Information Technology Mobile Services

PROJECT MANAGER: Jenkins	DIRECTOR DIVISION: District Wide
ORIGINAL APPROVED DATE: 5/23/2005	I.D. LOCATION: District Wide
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$1,552,000

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:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund	40%		60%	100%
TOTAL:	40%		60%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$1,052	\$250	\$150	\$100				\$1,552

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2443

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/05	06/13	\$1,552
DESIGN:			
CONSTRUCTION:			

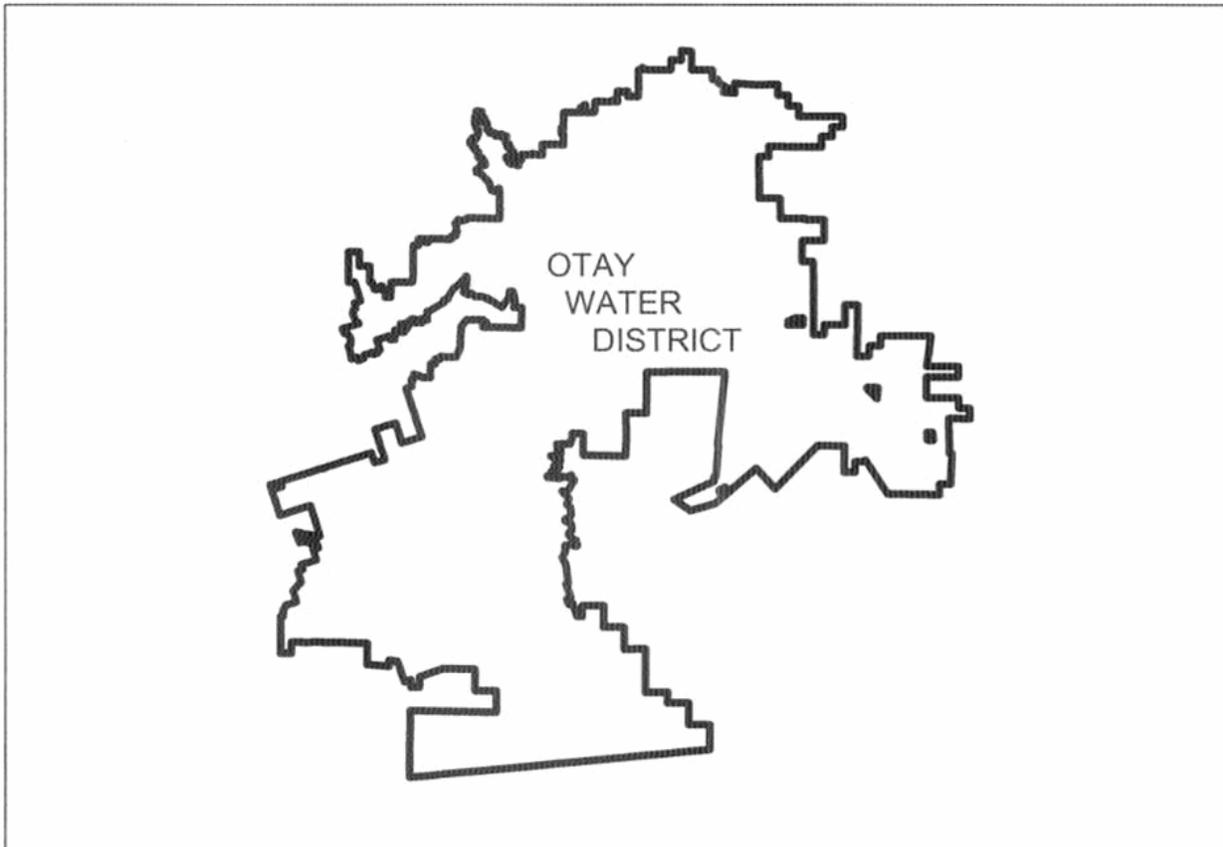
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	
			\$18,000	\$18,500	\$19,100	\$55,600

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Bill Jenkins

Date: 02/19/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2461

PROJECT TITLE: Records Management System Upgrade

PROJECT MANAGER: Stevens	DIRECTOR DIVISION: District Wide
ORIGINAL APPROVED DATE: 5/29/2007	I.D. LOCATION: District Wide
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$406,000

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%
TOTAL:	40%		60%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$256	\$150						\$406

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2461

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/07	06/11	\$406
DESIGN:			
CONSTRUCTION:			

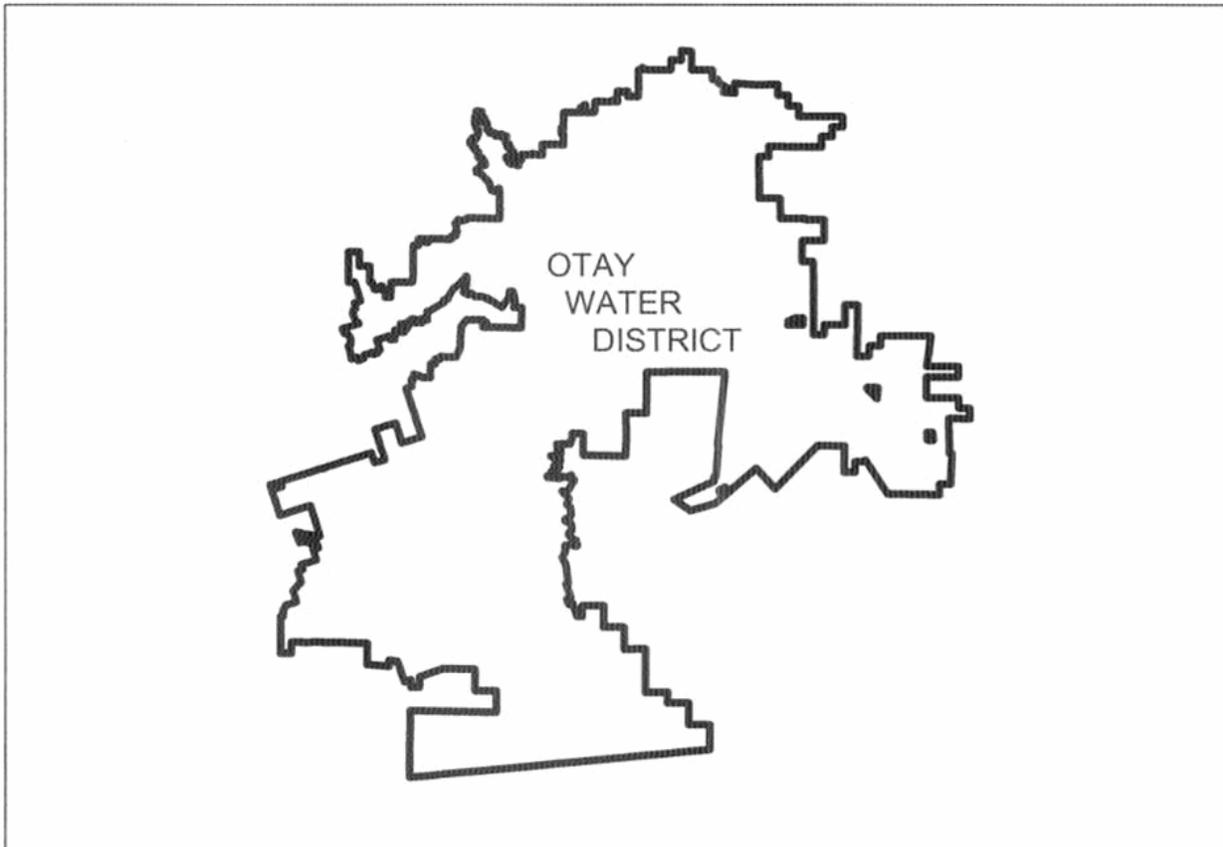
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Geoff Stevens

Date: 02/19/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2469

PROJECT TITLE: Information Technology Network and Hardware

PROJECT MANAGER:	Jenkins	DIRECTOR DIVISION:	District Wide
ORIGINAL APPROVED DATE:	6/23/2008	I.D. LOCATION:	District Wide
RELATED CIP PROJECTS:		PRIORITY:	1
		BUDGET AMOUNT:	\$1,921,000

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:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund	40%		60%	100%
TOTAL:	40%		60%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$571	\$300	\$300	\$300	\$250	\$200		\$1,921

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2469

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/08	06/15	\$1,921
DESIGN:			
CONSTRUCTION:			

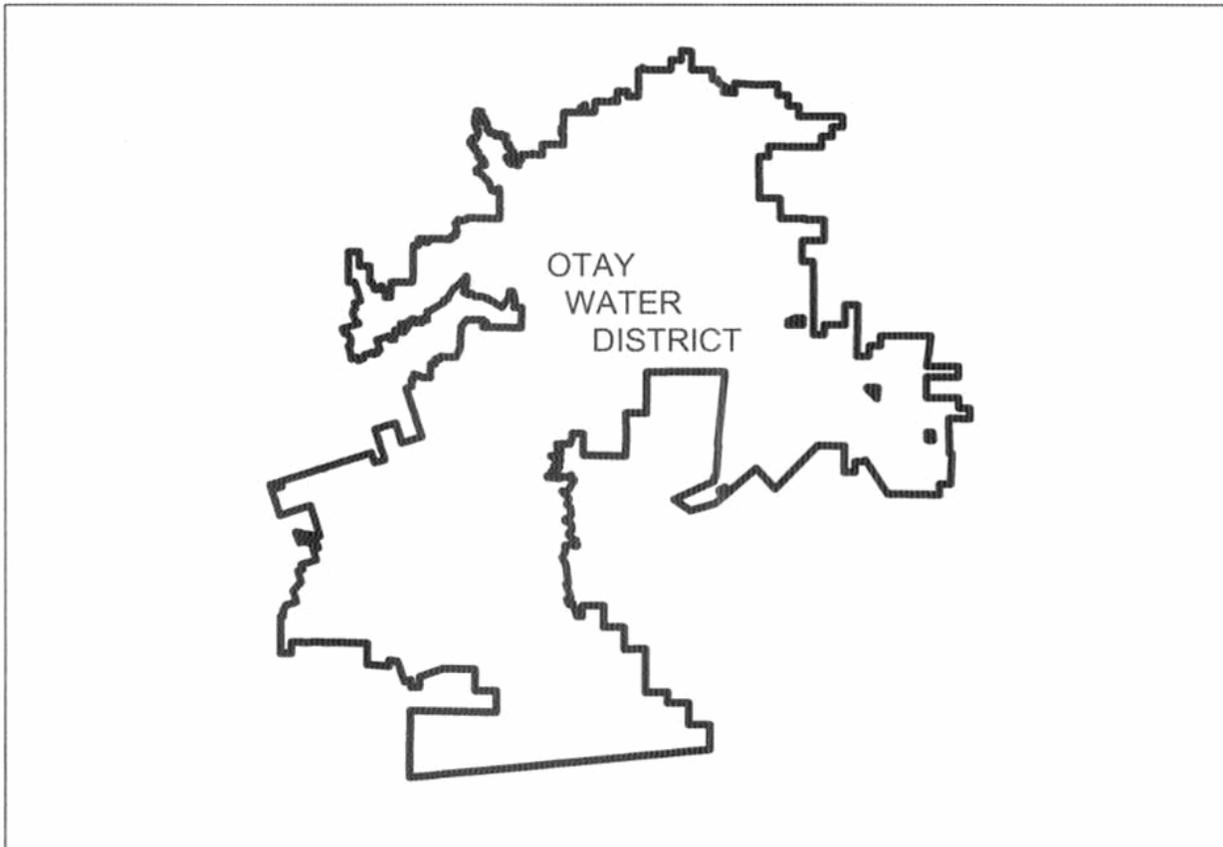
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Bill Jenkins

Date: 02/19/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2470

PROJECT TITLE: Application Systems Development and Integration

PROJECT MANAGER: Stevens	DIRECTOR DIVISION: District Wide
ORIGINAL APPROVED DATE: 6/23/2008	I.D. LOCATION: District Wide
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$2,218,000

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:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund	40%		60%	100%
TOTAL:	40%		60%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$810	\$408	\$200	\$200	\$200	\$200	\$200	\$2,218

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2470

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/08	06/16	\$2,218
DESIGN:			
CONSTRUCTION:			

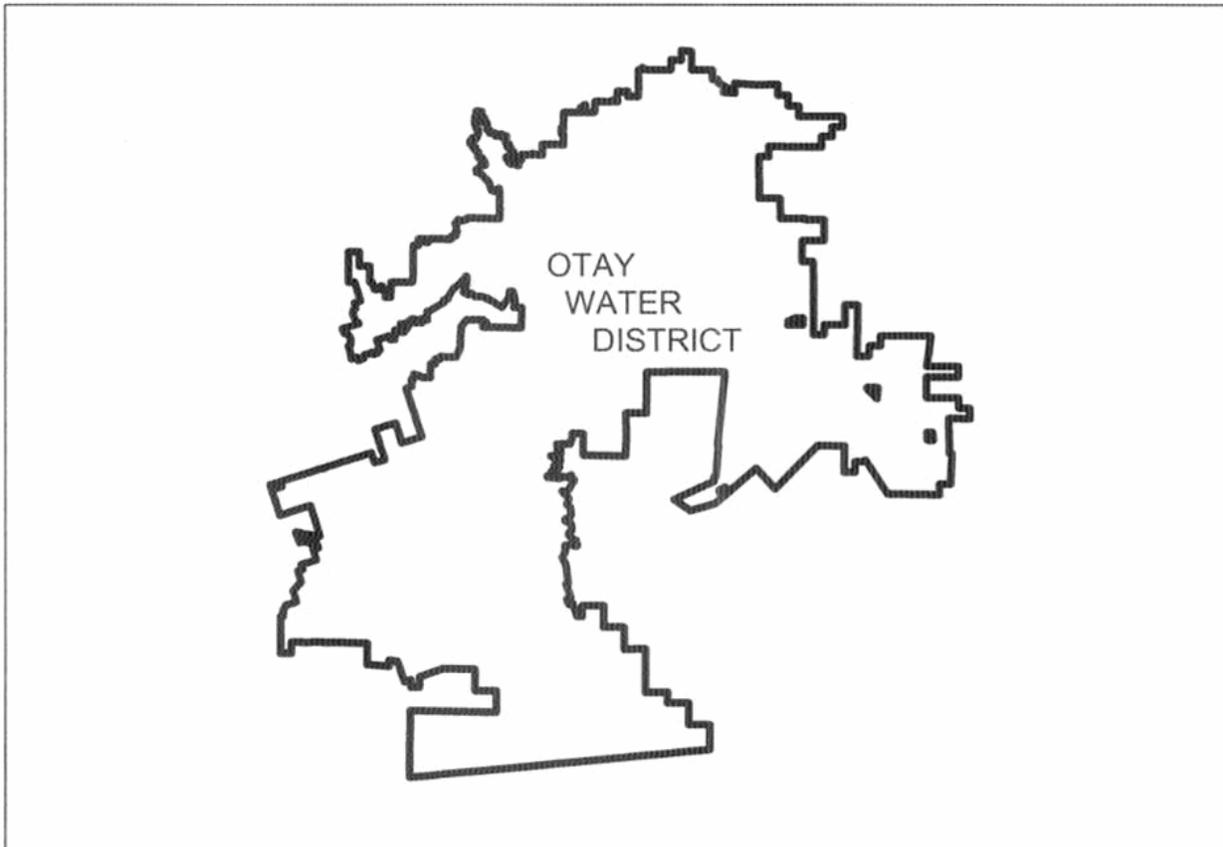
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Geoff Stevens

Date: 02/19/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2501

PROJECT TITLE: Telecommunications Equipment Upgrade

PROJECT MANAGER: Jenkins	DIRECTOR DIVISION: District Wide
ORIGINAL APPROVED DATE:	I.D. LOCATION: District Wide
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$400,000

DESCRIPTION OF PROJECT:

This project is to replace the existing PBX telecommunication infrastructure.

JUSTIFICATION OF PROJECT:

The current PBX system is at the end of its useful life, is no longer supported by the manufacturer, and current support level is not adequate, which could present some risk to the District. It is necessary to improve and revise the telecommunications services to enhance customer service related applications.

COMMENTS:

FUND DETAIL:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund			100%	100%
TOTAL:			100%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
	\$400						\$400

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2501

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/10	06/11	\$400
DESIGN:			
CONSTRUCTION:			

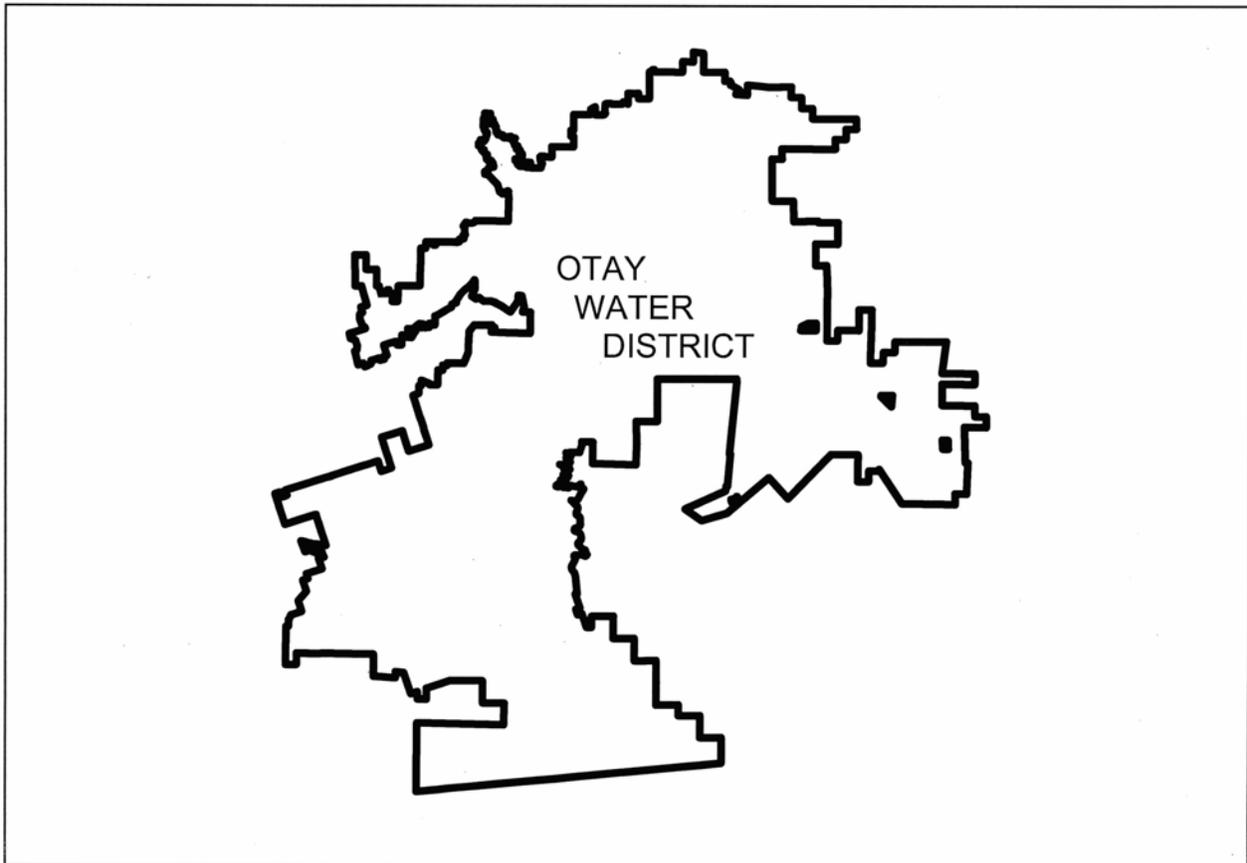
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	\$0.00

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:

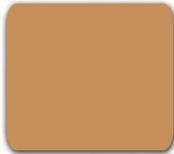


Submitted By: Bill Jenkins

Date: 02/19/2010



Developer Reimbursement Projects



**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

PROJECT MANAGER: Charles	DIRECTOR DIVISION: 4
ORIGINAL APPROVED DATE: 6/7/2000	I.D. LOCATION: 22
RELATED CIP PROJECTS:	PRIORITY: 2
	BUDGET AMOUNT: \$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:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
I.D. 22	100%			100%
TOTAL:	100%			100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
	\$1	\$49					\$50

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2325

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/04	08/04	\$2
DESIGN:	09/04	12/04	\$6
CONSTRUCTION:	01/10	06/12	\$42

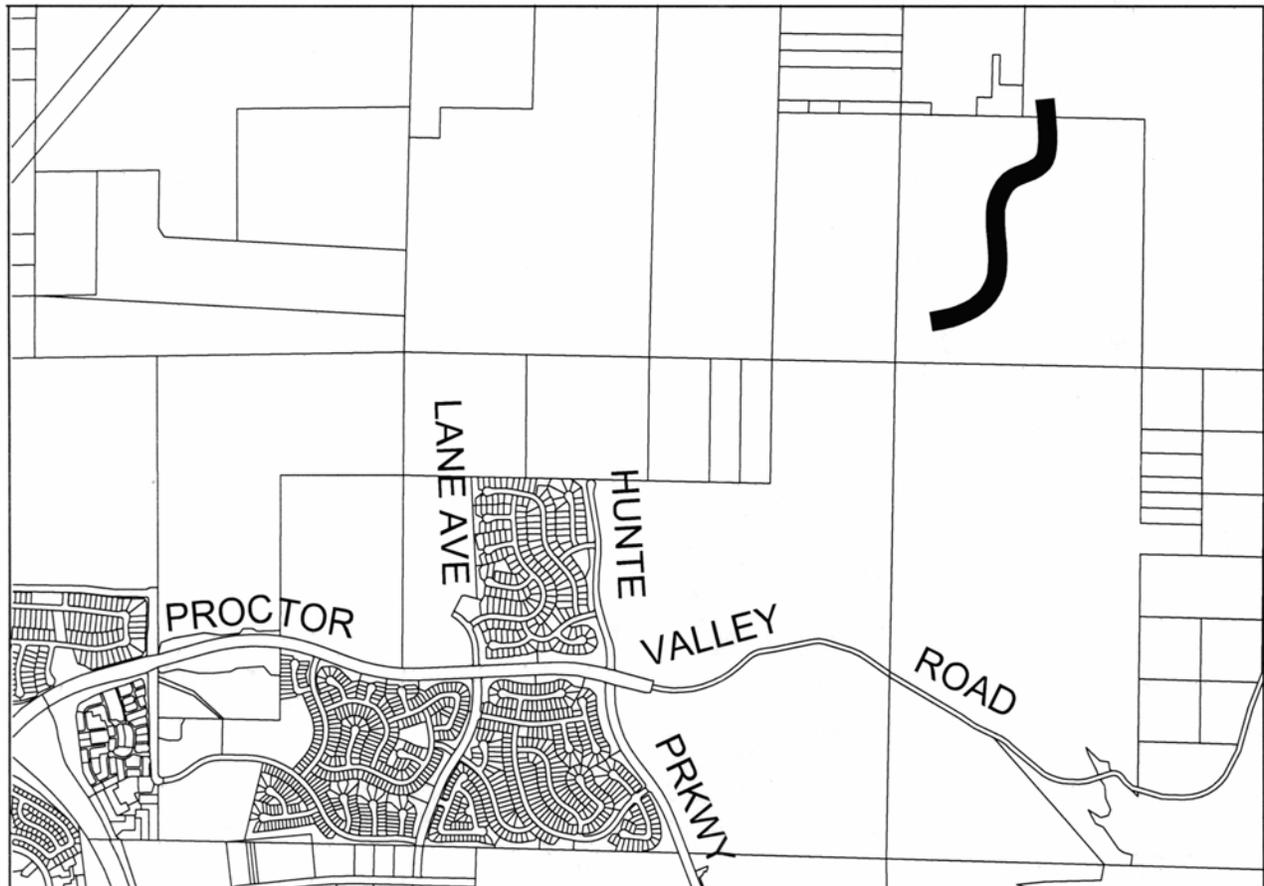
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	
		\$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: 02/25/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2082

PROJECT TITLE: RecPL - 24-Inch, 680 Zone, Olympic Parkway - Village 2/Heritage

PROJECT MANAGER: Charles	DIRECTOR DIVISION: 1
ORIGINAL APPROVED DATE: 6/2/2004	I.D. LOCATION: 22
RELATED CIP PROJECTS: R2083	PRIORITY: 2
	BUDGET AMOUNT: \$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:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
Recycled	100%			100%
TOTAL:	100%			100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$1	\$5	\$795	\$946				\$1,747

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2082

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/04	06/06	\$32
DESIGN:	07/06	12/06	\$88
CONSTRUCTION:	07/11	06/13	\$1,627

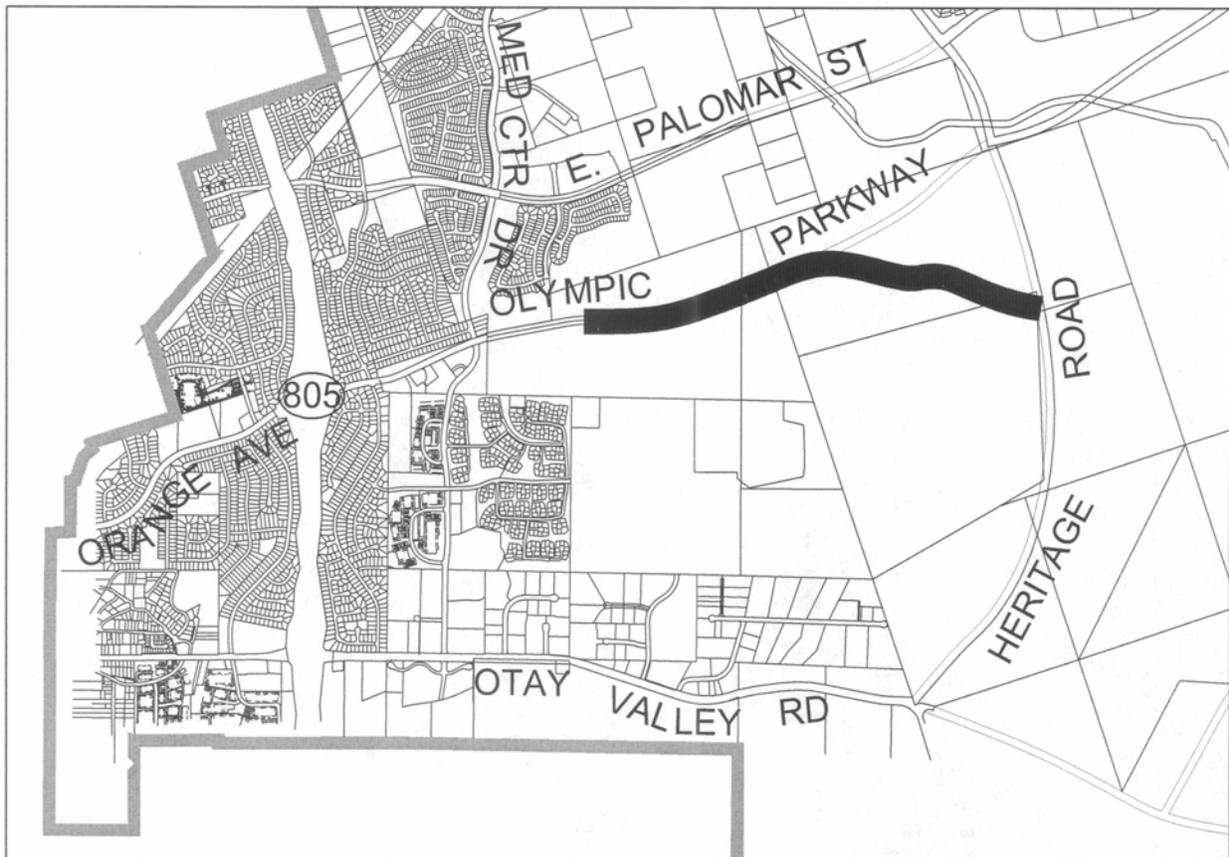
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	
			\$1,200	\$1,200	\$1,200	\$3,600

PROJECT LOCATION:

Thomas Bros. Map: 1331

OWD Map Book: 82



Submitted By: David Charles

Date: 02/25/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2083

PROJECT TITLE: RecPL - 20-Inch, 680 Zone, Heritage Road - Village 2/Olympic

PROJECT MANAGER: Charles	DIRECTOR DIVISION: 1
ORIGINAL APPROVED DATE: 6/2/2004	I.D. LOCATION: 22
RELATED CIP PROJECTS: R2082, R2084	PRIORITY: 2
	BUDGET AMOUNT: \$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:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
Recycled	100%			100%
TOTAL:	100%			100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
	\$5	\$395					\$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:	07/11	06/12	\$340

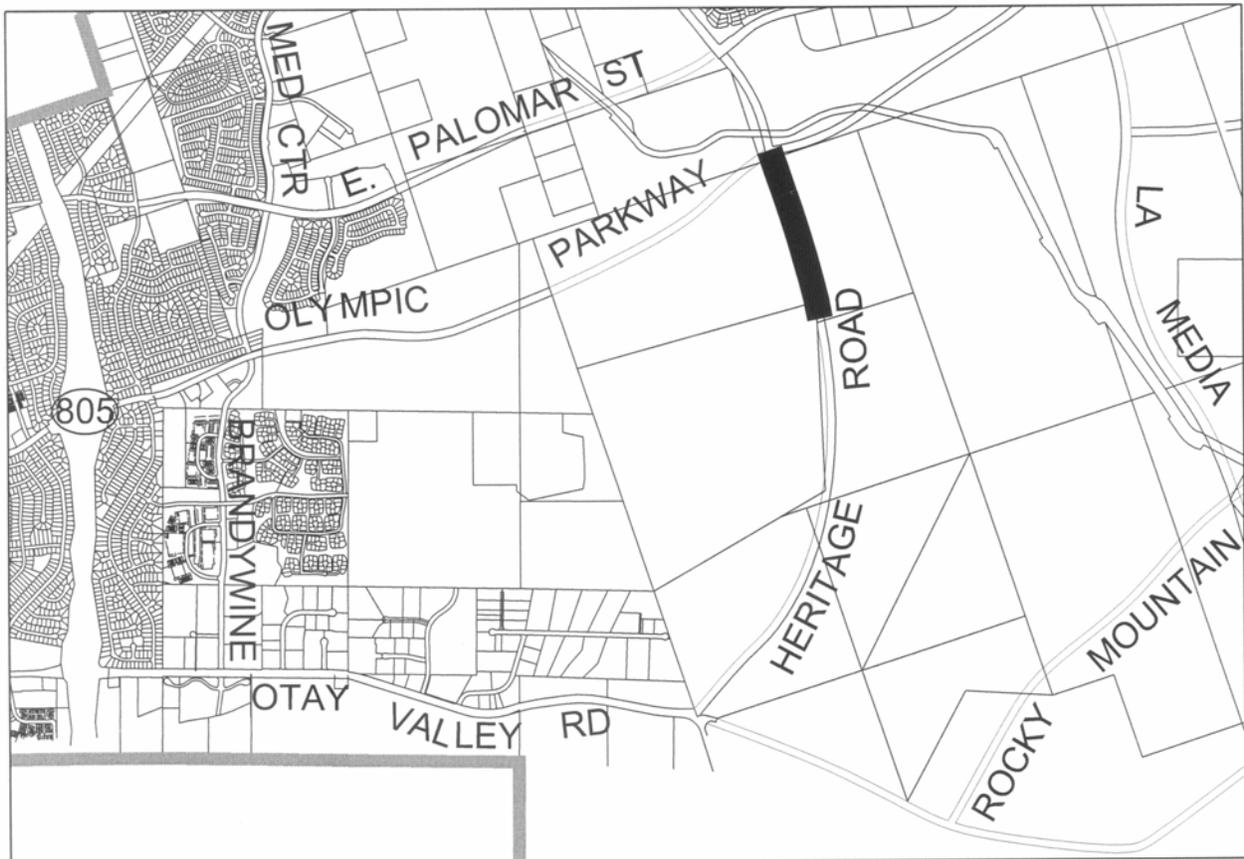
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	
		\$700	\$700	\$700	\$700	\$2,800

PROJECT LOCATION:

Thomas Bros. Map: 1331

OWD Map Book: 82



Submitted By: David Charles

Date: 02/25/2010

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2084

PROJECT TITLE: RecPL - 20-Inch, 680 Zone, Village 2 - Heritage/La Media

PROJECT MANAGER:	Charles	DIRECTOR DIVISION:	1
ORIGINAL APPROVED DATE:	6/2/2004	I.D. LOCATION:	22
RELATED CIP PROJECTS:	R2083, R2085	PRIORITY:	3
		BUDGET AMOUNT:	\$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:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
Recycled	100%			100%
TOTAL:	100%			100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2011	2012	2013	2014	2015	2016	TOTAL
\$1	\$1	\$75	\$350	\$544			\$971

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2084

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/04	06/06	\$17
DESIGN:	07/06	12/06	\$47
CONSTRUCTION:	07/12	06/14	\$907

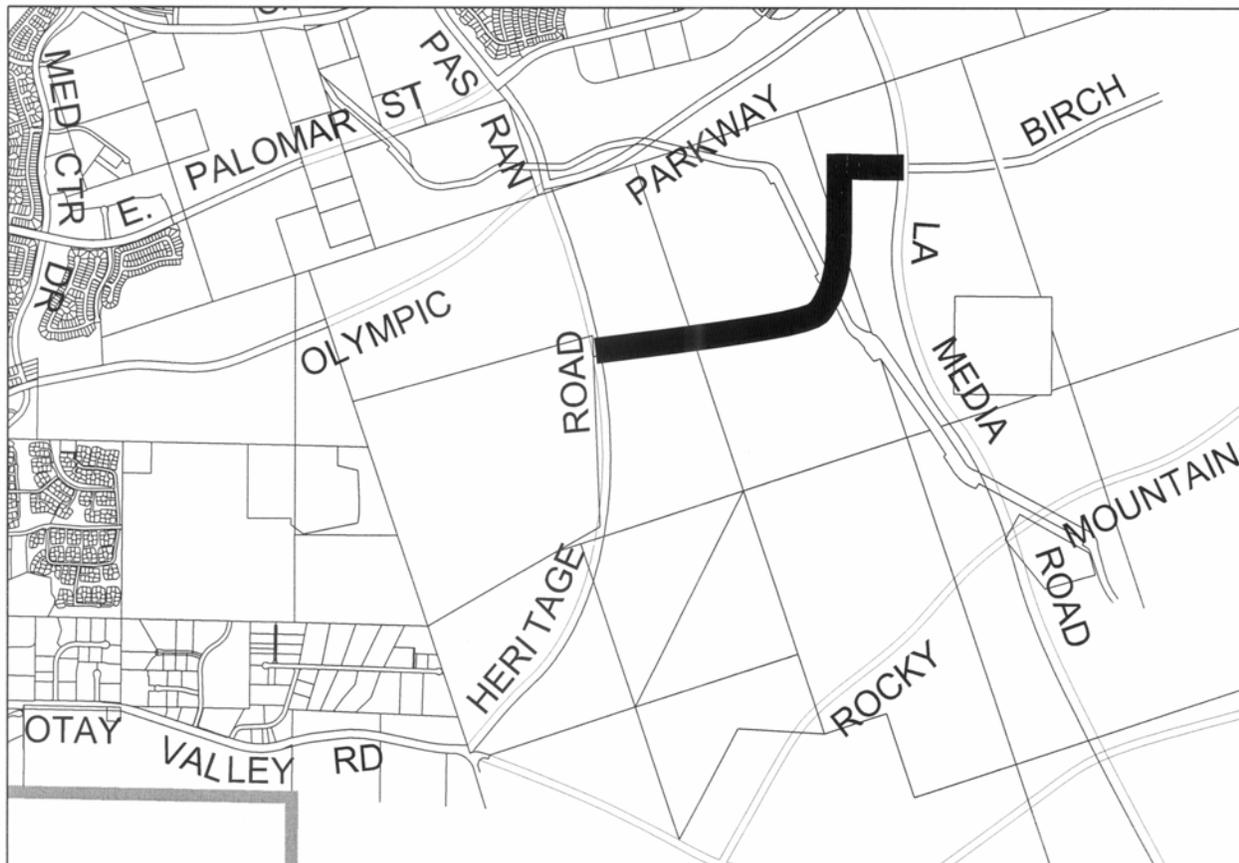
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2011	2012	2013	2014	2015	2016	
				\$1,900	\$2,000	\$3,900

PROJECT LOCATION:

Thomas Bros. Map: 1331

OWD Map Book: 82



Submitted By: David Charles

Date: 02/25/2010



Appendix

Water Meter Capacity Fees

Effective 7/1/10

NAME	IMPROVEMENT DISTRICT (ID)	CAPACITY FEE	TOTAL CHARGE
Capacity Fee Section 28.01	1,2,3,5,7,10,19,20,22,25,27	\$7,641	\$7,641
Triad Capacity Fee	ID 22/27-BASE	\$5,718	\$5,718
New Water Supply Fee			\$880

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, Engineering, Public Services, General District's Fees and Deposits (Form K).

Glossary

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, 2010 are \$1,505 and \$5,553 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

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.

Glossary

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.

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

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

Index

Awards	5-6
Budget Calendar	11
Budget Guide	1
Budget Process	12-13
Capital Facility Projects	35-112
Capital Improvement Program Narrative	16-17
Capital Purchases Budget	30
Capital Purchase Projects	177-190
CIP Funding Source and Category	23
CIP Justification and Impact on Operating Budget	26-27
CIP Project Index	33-34
CIP Project Schedule	28-29
CIP Project Sheet Description	31-32
CIP Projects	24-25
CIP Reserve Funds	22
Current Economic Conditions	7
Demographics	9
Developer Reimbursement Projects	191-198
Financial Awards	4
Flagship CIP Projects in Construction	19-21
General Information	3
Glossary	200-202
Index	204
Letter of Transmittal	ii-vi
List of Acronyms	202
Major CIP Projects	18
Organization Chart	10
Otay Water District At-A-Glance	2
Replacement/Renewal Projects	113-176
Resolution No. 4159	14-15
The Future	8
Water Meter Capacity Fees	199

Otay Water District
2254 Sweetwater Springs Blvd.
Spring Valley, CA 91978-2004
www.otaywater.gov

