



Otay Water District

Spring Valley, California

Capital Improvement Program Budget

Fiscal Years 2010-2015





Adopted Capital Improvement Program Budget

Fiscal Year 2010-2015

Board of Directors

President Gary Croucher
Division 3

Vice President Jose Lopez
Division 4

Treasurer Jaime Bonilla
Division 2

Larry Breitfelder
Division 1

Mark Robak
Division 5



Photo Courtesy of Garden Retreat Design



Lake Oroville at 27% of Capacity - December 2008

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 2010-2015

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...Dedicated to Community Service

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TELEPHONE: 670-2222, AREA CODE 619

September 1, 2009

Honorable Board of Directors
Otay Water District

I am pleased to present the Otay Water District's (District) Adopted Operating and Capital Budget for Fiscal Year 2010. This year's budget establishes the management plan to finance all of the District's services and programs during the 2010 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 in past years, we again face key challenges. These challenges include an economy in recession and continuing

instability in the financial markets; ongoing home foreclosures; drought in the Southwest; water shortages brought about by legal action to reduce water deliveries from the Sacramento – San Joaquin Bay Delta; and the higher cost of imported water.



Given these uncertain times, the District must find the best solutions that balance the many expectations placed on it by its customers. Meeting our customer's expectations requires dedication and a commitment to continuous improvement.

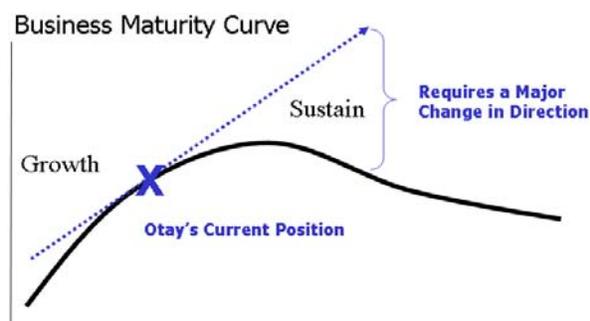
The primary way to achieve our objectives is to improve all aspects of our core business processes. The main tool we will continue to use is our Strategic Plan. The District adopted its first Strategic Plan in 2003, and it's updated every three years. It is reviewed quarterly by management and semi-annually by the Board. This year it was updated for the 2009 through 2011 timeframe.

Efficiency improvements have become the new competitive advantage for utilities. As a result, the theme of the 2009 through 2011 Strategic Plan is to capitalize on the technology investments we have made and to utilize these technologies to continue to improve productivity and efficiency.

The Strategic Plan also carries forth the District's transformation from a growth-centric to a maintenance-based organization. Where capital and developer fees supported growth for many years, today we have become equally focused in managing long-term maintenance and replacement of our infrastructure.

This necessary change is illustrated by the business maturity curve. During high growth periods, we focused on achieving the macro targets of building and installing new infrastructure.

In the future, however, fewer resources are needed to support slowing growth, but the effort to maintain and improve infrastructure and assets increases. In future years, the District also derives income more from rates and less from fees. Consequently, increased costs place pressure on rates more directly. Therefore, to balance the customer's interest in minimizing rate increases while also maintaining its infrastructure investments and our strong financial position, the District will emphasize internal efficiency and development of technology assisted best practices. In effect, we will use our investments in technology to do more with the same or even fewer resources.



Today, the District provides water service to nearly 47,125 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 water importer, the Metropolitan Water District of Southern California (MWD). The District entered into an agreement with CWA to have the Helix Water District, at their Levy Water Treatment Plant, treat imported untreated water on behalf of the Otay Water District. This action brought regional water treatment closer to customers and reduced dependence on water treatment facilities located outside of San Diego County.

To deliver that locally treated water to customers, the District initiated construction of a 5.1 mile, 36-inch diameter pipeline. Drinking water delivered by the new pipeline will be stored in two newly constructed 10 million gallon reservoirs. In addition to bringing water treatment closer to customers, this new source of treated water, pipeline, and storage reservoir system diversifies the District's water supply and improves reliability.

The Otay Water District also owns and operates a wastewater collection and recycling system to provide public sewer service to approximately 4,640 homes and businesses. Wastewater collected is conveyed to the District's Ralph W. Chapman Water Recycling Facility (RWCWRF), which is capable of reclaiming wastewater at a rate of 1.3 million gallons per day.

The District also purchases up to six 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 dependency on imported supplies and provides a local supply thereby diversifying District resources.

BUDGET SUMMARY

The Otay Water District's operating expenditures consist of three major sectors: potable water, recycled water, and sewer, totaling \$75,716,500 for Fiscal Year 2010. Revenues from potable and recycled water are projected to be \$64,077,000, about \$8.5 million (15.3%) more than Fiscal Year 2009. Water sales volumes are expected to decrease as a result of the slowing economy and expanded efforts to promote water conservation, however, rate increases are essential to offset the higher cost of water. Sewer revenues are projected to be \$2,244,800, about \$99,500 more than Fiscal Year 2009 because of necessary rate increases. The remaining revenue of \$9.4 million comes from special fees and assessments and miscellaneous income.

Significant aspects of the Operating Budget are:

- A balanced budget meeting the goals of the Strategic Plan.
- An updated six-year Rate Model to ensure sound financial planning and reserve levels.
- Unprecedented water supply rate increases of 21.1% from MWD and 18.1% from CWA because of the high cost of supply programs, higher energy, and operating costs.
- Implemented rate increases in potable, recycled water, and sewer. This included pass-through rate increases from CWA, and County of San Diego.
- In response to the economic slowdown, the District has again reduced staffing levels from 169 full time equivalents to 166. It also cut operating expenditures by \$793,100 due to program funding changes and other discretionary spending cuts.
- Of San Diego County's 23 water agencies, Otay's water rate is the eighth-lowest and below the county-wide average.
- Expanded residential, landscape, and commercial water conservation programs.

The 2009-10 Capital Improvement Budget (CIP) consists of 87 projects and a budget of \$37.2 million. The budget emphasizes long-term planning for on-going programs while functioning within fiscal constraints and population growth. This year's CIP budget increased by \$10.5 million compared to last year's projection due to new water supply projects.

The Future

The coming years will continue to be challenging times for those in California's water community. After years of record low precipitation that dramatically curtailed snow runoff from the Sierra Nevada Mountains, California's governor declared an official statewide drought. Following the governor's action, Southern California's largest water wholesaler announced a water supply alert across its six-county service area. It also urged all local jurisdictions to implement water conservation ordinances and to "significantly increase efforts" to conserve water.

In addition to the drought, federal court orders have curtailed water deliveries from Northern California due to environmental factors in the Sacramento-San Joaquin Bay Delta. Worsening environmental conditions in the Bay Delta now challenge Southern California's ability to receive water from the State Water Project. A political stalemate in the state capital has also made

finding compromise or addressing the environmental issues in the Bay Delta more difficult. These factors combined are driving higher costs for water across the state.

Through foresight and its 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. Rather, the District has achieved its water conservation goals using voluntary measures. As you would expect, the planned water sales reductions have impacted price and will continue to affect the District's finances. Staff continues working diligently to address the financial impacts of conservation as it prepares for the possibility of a severe water shortage and prolonged sales reductions.

With these factors 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 as we move forward into uncertain times. We are fully confident that with the policies and practices put in place by the Board, supported by dedicated and talented staff; we will achieve continued success as an organization and assure the well-being of the customers we serve.

In adopting this budget, these factors were met by the Otay Water District's 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 that ended June 30, 2008. 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, 2008, 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 American Society of Civil Engineers (ASCE) presented Otay Water District and Infrastructure Engineering Corporation the *2008 Outstanding Civil Engineering Project for Water Supply/Waste Water Treatment & Reuse for 640 Reservoirs*. Additionally, the Construction Management Association of America (CMAA) presented Otay Water District the *2009 Project Achievement Award for the 640-1 and 640-2 Reservoirs* to recognize outstanding achievement in the practice of construction management.
- The Otay Water District's Information Technology and Strategic Planning Department was awarded the Center for Digital Government's Best of California, Leadership and

Excellence Award for 2008 and the Municipal Information Systems Association of California's (MISAC) "Excellence in IT Practices Award."

- The California Highway Patrol presented the Otay Water District a Certificate of Achievement for its terminal which has achieved consecutive satisfactory compliance ratings. This is a meritorious achievement that "recognizes the commitment to highway safety demonstrated by the personnel responsible for operation of this terminal."

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

This 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 the Water Resources Master Plan (WRMP) which is based on major assumptions and criteria of the CIP. Also included are highlights of the major CIP projects completed, in construction, in design, or in progress. Additionally, this section contains the CIP reserve funds and funding sources, a six-year listing of CIP project expenditures, the 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, the 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 completed, 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 manages the day-to-day District operations and reports directly to the Board of Directors. Two Assistant General Managers report to the General Manager. One Assistant General Manager oversees the departments of Administrative Services, Finance, Information Technology and Strategic Planning while the other oversees the departments of Water Operations and Engineering. These and other lines of reporting are shown on the organization chart on page 11.



General Information

General Information

For Fiscal Year 2010, the District will have a staff of 166 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 195,000 people. This percentage increases as the District's service area continues to grow to ultimate build-out. The District is projected to deliver approximately 33,300 acre-feet of potable water to 47,125 potable customer accounts and to ultimately deliver 60,700 acre-feet of potable water to serve 277,000 people or 66,000 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 0.2% for Fiscal Year 2010.

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 wonderful 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. The District is also in a partnership with the City of San Diego to beneficially reuse an additional 3,356 acre-feet per year of recycled water for Fiscal Year 2010, 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 4,640 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 98% of the sewer customer base.

Photo Credit: "The Metropolitan Water District of Southern California", see *Sisyrinchium bellum* and wildflower Tidy Tips on "This page intentionally left blank."

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, 2008. 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.

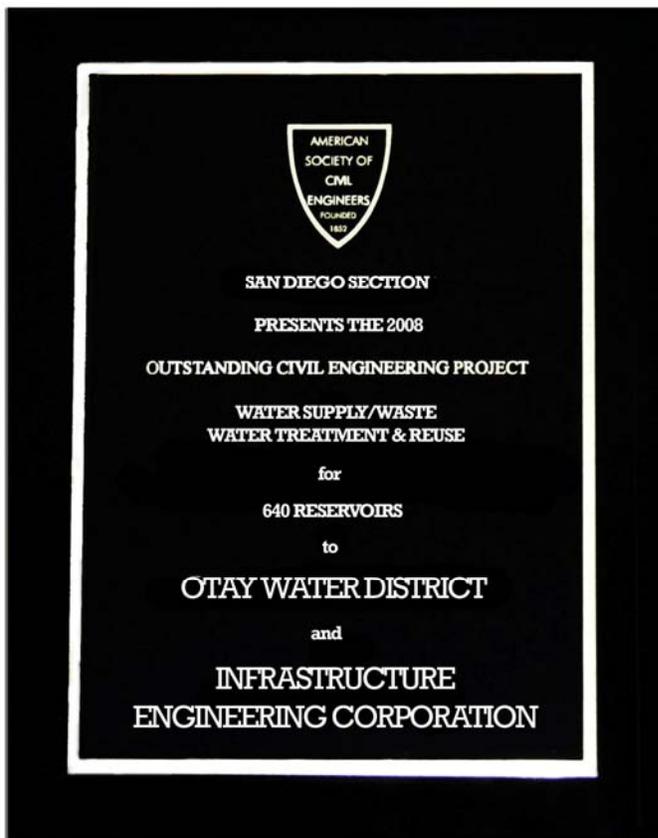
This award is valid for a period of one year only. We believe our current budget continues to conform to program requirements, and we are submitting it to GFOA to determine its eligibility for another award.

The California Society of Municipal Finance Officers (CSMFO) presented Otay Water District the Certificate of Award for *Excellence in Operating Budgeting for Fiscal Year 2008-2009*.



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 2008-2009.



The American Society of Civil Engineers (ASCE) presented Otay Water District and Infrastructure Engineering Corporation the 2008 *Outstanding Civil Engineering Project for Water Supply/Waste Water Treatment & Reuse for 640 Reservoirs*.

Awards



The Construction Management Association of America (CMAA) presented Otay Water District the *2008 Client of the Year Award*.

The Otay Water District's Information Technology and Strategic Planning Department was awarded the Center for Digital Government's Best of California, *Excellence in IT Operations Support and Service*, Award for 2008.



The Otay Water District's Information Technology and Strategic Planning Department was awarded the Municipal Information Systems Association of California's (MISAC) *Excellence in IT Practices Award*.



The Construction Management Association of America (CMAA) presented Otay Water District the *2009 Project Achievement Award for the 640-1 and 640-2 Reservoirs* to recognize outstanding achievement in the practice of construction management.

Awards



The California Highway Patrol presented the Otay Water District a *Certificate of Achievement* for its terminal which has achieved consecutive satisfactory compliance ratings. This is a meritorious achievement and recognizes the commitment to highway safety demonstrated by the personnel responsible for operation of this terminal.

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.

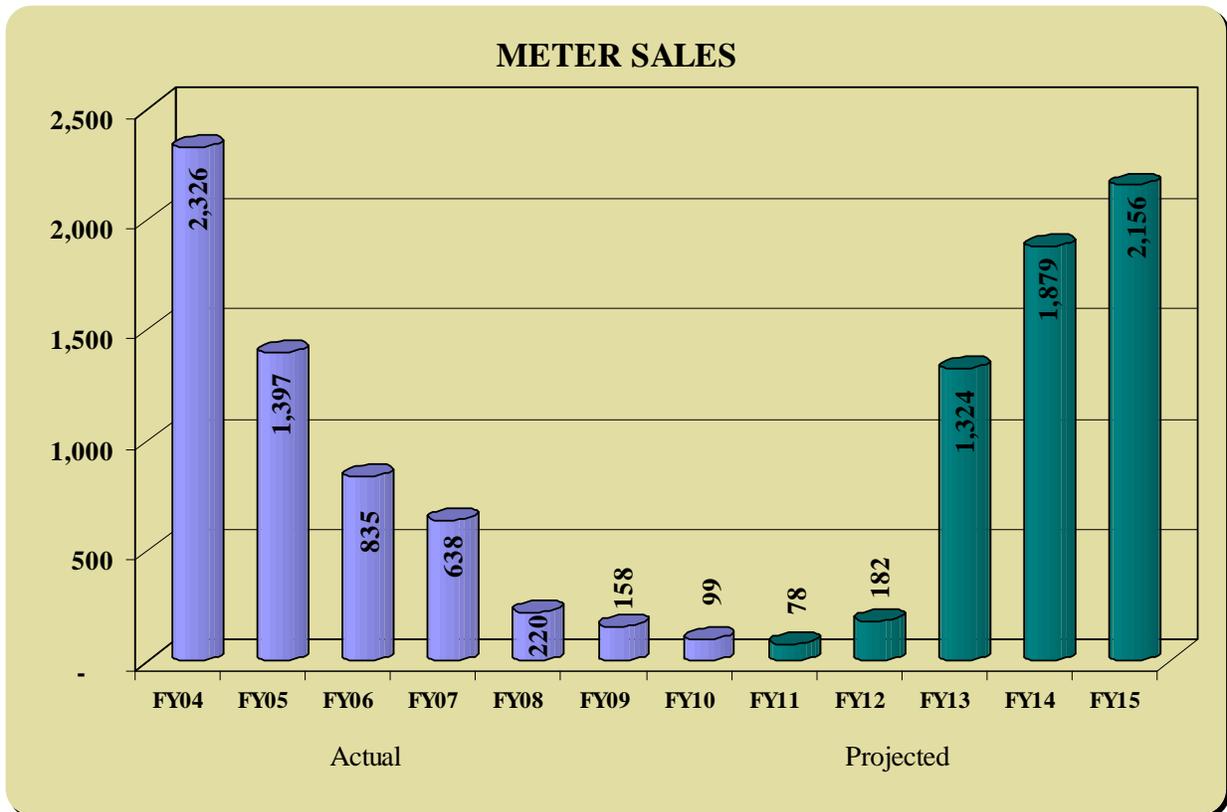
For several decades, the District has collected and recycled wastewater generated within the Jamacha drainage basin and pumped the recycled water south to the Salt Creek basin where it is used for irrigation and other non-potable uses. However, the demand for recycled water out-paced the supply, requiring the District to supplement the limited supply of recycled water with potable water. Through the new 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 195,000 residents. In just the past seven years, the District has added more than 7,994 new customer connections, with most of this occurring in just four years. The phenomenal growth has slowed, as our local and national economy is experiencing a downturn. This slowdown is reflected internally as the District's Development Services Department approved on average only 13 permits per month, and sold 158 water meters in Fiscal Year 2008-2009.

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 5,718 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.



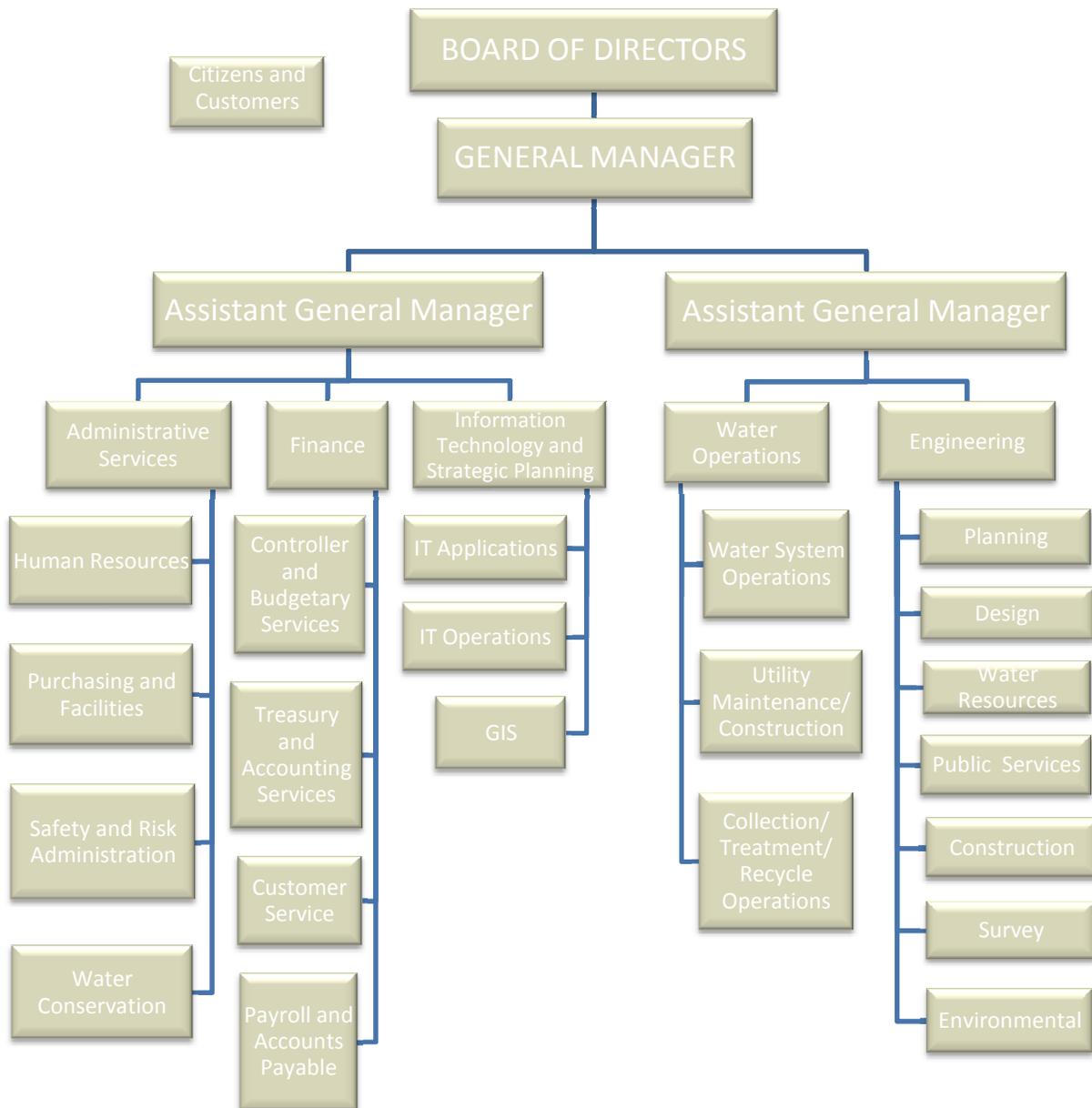
SANDAG creates and maintains a tremendous quantity of demographic, economic, land use, transportation and criminal justice information about the San Diego region. The demographic data include population characteristics like age, education, and employment. Because of the overlapping of the District's 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 2008 the population reached 231,305. This represents an increase of 147,378 in the past 28 years or a 175.6% increase, which correlates to the District's rapid growth for the same period.

The racial make up of Chula Vista is 50% Hispanic, 28% White, 13% Asian, 4% Black, and the remaining 5% is all other groups. The median household income for Chula Vista was \$71,298 in 2007, and 97% of Chula Vista's housing units were occupied.



Organization Chart



CIP Budget Calendar

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

January 29, 2009	Budget workbooks and instructions for the Operating and Capital Budget are distributed to departments.
January 30, 2009 to February 13, 2009	<p>Departments begin CIP Budget Process which includes:</p> <ul style="list-style-type: none"> • Review existing FY 2009 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 6/30/09 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 13, 2009	Engineering Department reviews all CIP budget requests with Assistant General Manager and adjusts, if necessary.
March 20, 2009	Engineering reviews and prepares CIP budget and submits to Finance for review and to incorporate into rate model to determine proposed rates.
April 6, 2009	CIP budget presented to the General Manager for review and comments.
April 16, 2009	General Manager performs preliminary review of budget.
May 13, 2009	Final review of proposed budget and rates is done by the General Manager.
May 21, 2009	Board of Directors adopts Fiscal Year 2009 Operating and Capital Budget.

CIP Budget Process

The District has integrated the Capital Improvement Program (CIP) Budget and the Operating Budget. These budgets are developed based on the District's Water Resources Master Plan and Strategic Business Plan. Appropriate budget amounts are determined by using the historical data of operations, growth, developers' input, SANDAG projections, and economic outlook. The District is accounted for and budgeted as an enterprise fund and conforms to the guidelines of generally accepted accounting principles (GAAP).

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 cost 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 all of these budgets have been calculated, the Finance Department inputs all of the operating revenues and expenses, CIP expenses, reserve funding, and reserve levels into the District's Rate Model. Inflators for cost and volume changes are input into the Rate Model and cost and rates are calculated for the current fiscal year plus five subsequent years. Using this comprehensive modeling tool, the District is able to smooth future rate increases, determine when debt should be issued, and maintain all of the reserve levels in accordance with its Reserve Policy.

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

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 appropriation 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 Budget Report is intended as a financial guide and may be modified by the Board of Directors during Fiscal Year 2010.

RESOLUTION NO. 4136

A RESOLUTION OF THE BOARD OF DIRECTORS OF
OTAY WATER DISTRICT ADOPTING THE
FISCAL YEAR 2009-2010
OPERATING AND CAPITAL BUDGET

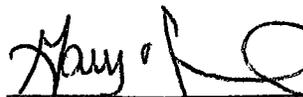
WHEREAS, the Otay Water District Board of Directors have been presented with a budget for the operation of the Otay Water District for Fiscal Year 2009-2010; and

WHEREAS, the Operating and Capital Budget has been reviewed and considered by the Board, and it is in the interest of the District to adopt a budget for said year; and

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 2009-2010.

PASSED, APPROVED AND ADOPTED by the Board of Directors of Otay Water District at a special board meeting held this 21st day of May 2009, by the following vote:

Ayes: Directors Bonilla, Breitsfelder, Croucher, Lopez & Robak
Noes: None
Abstain: None
Absent: None



President

ATTEST:



District Secretary

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Capital Budget Summary

Capital Improvement Program

The District provides water service to a population of approximately 195,000 which is expected to ultimately increase to 277,000. This growth as well as the maintenance of existing assets requires long term capital planning. The process is a dynamic one due to the evolving needs of the community, water supply issues, and changing regulations, and therefore is part of the District's overall strategic planning. The capital planning process involves identifying current and future needs, and prioritizing them based on certain operating assumptions. The primary objective of this planning effort is to support an orderly, 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 2010 Capital Budget is \$37.2 million and the five-year Capital Improvement Program (CIP) totals \$222.4 million. A separate CIP Budget Notebook contains the descriptions, justifications, expenditures, and funding for all the identified projects to ultimate build-out.

Assumptions and Criteria

The Water Resources Master Plan (WRMP) is based on several major assumptions and design criteria as follows:

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

In summary, 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.

Justification for Project and Impact on Operating Budget

The justification for each project is determined by whether it is 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 cost 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

This year, all capital expenditures are in the CIP. This includes capital facilities and capital purchases. Capital purchases are non-recurring operating expense items for District-wide use that cost more than \$10,000 each and have an estimated useful life of two years or more. The Capital Purchase Projects include Vehicle, Office Equipment and Furniture, and Field Equipment purchases, the details of which can be found on page 32. Capital Facility Projects are items that exceed \$10,000 or \$20,000 for infrastructure related items (as defined under Capital Equipment on page 213 of the Glossary) and have a useful life of at least two years.

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

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

The following three categories of CIP projects are:

Expansion

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

Betterment

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

Replacement

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

Capital Improvement Projects

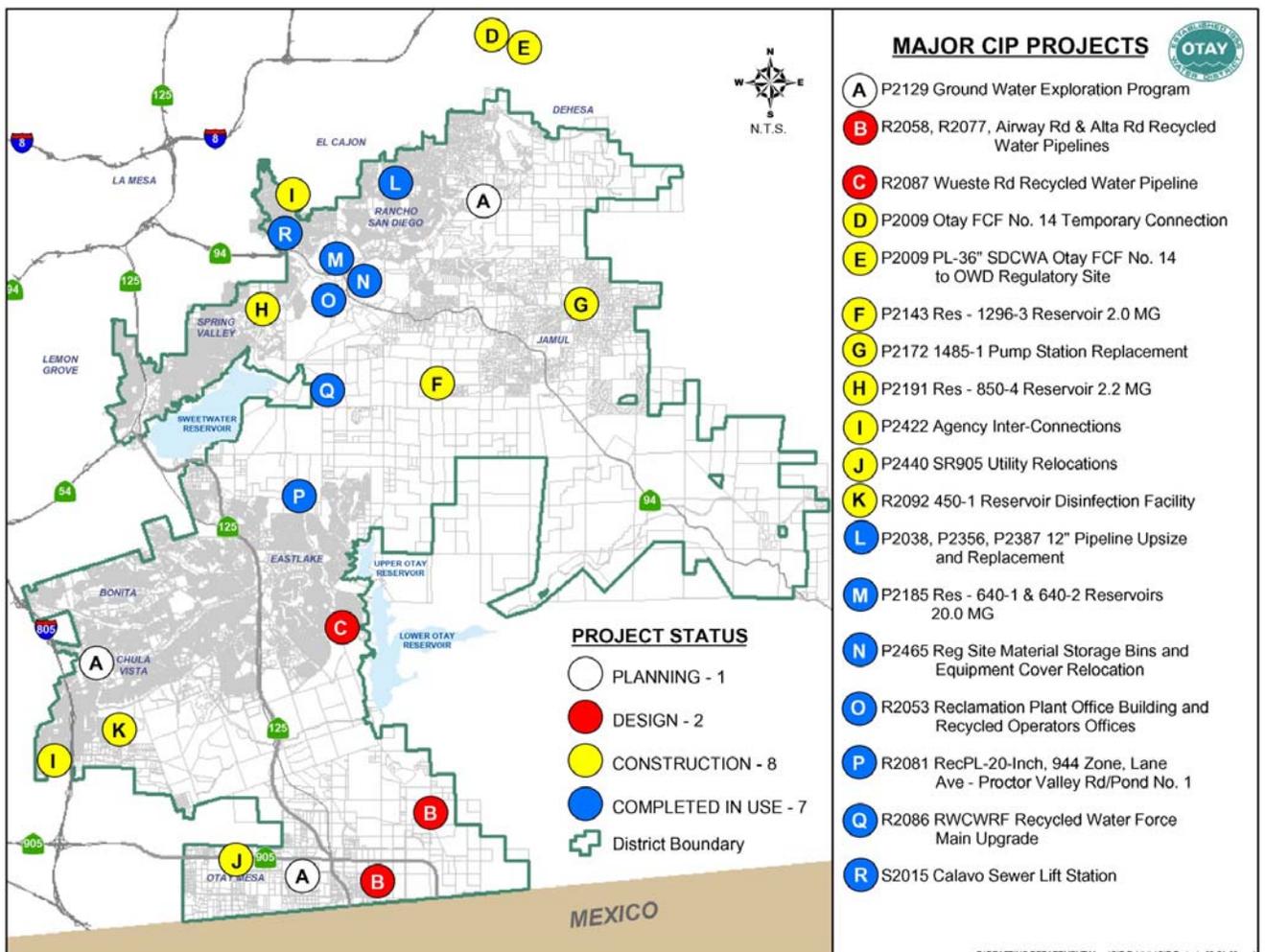
The 2010 Fiscal Year CIP Budget contains 87 projects. The cost of the work planned for Fiscal Year 2010 is \$37.2 million. Of the 87 projects planned for Fiscal Year 2010, only one is designated as reimbursable projects with estimated costs of \$1,000. These projects are built by developers and reimbursed by the District.

Major CIP Projects

The following shows how the \$37.2 million of projects are broken down into four categories:

- 1.Capital facilities \$ 28.7 million
- 2.Replacement or renewal projects \$ 6.7 million
- 3.Capital purchase projects \$ 1.8 million
- 4.Developer reimbursement projects \$ 1.0 thousand

The Five-Year CIP and Fiscal Year 2010 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



1296-3 Reservoir 2.0 MG (P2143)

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

Key Component: A new 2.0 MG Steel Reservoir will provide additional storage in the 1296 Pressure Zone.

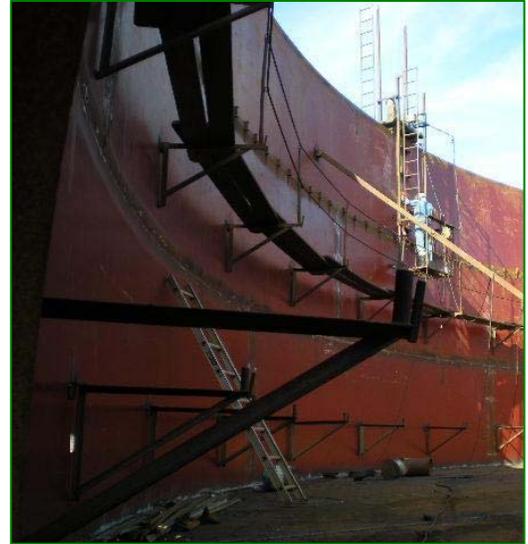
Schedule: Notice to Proceed was issued on February 10, 2009. Project is on schedule and is expected to be completed prior to February 16, 2010.

Cost: The project budget is \$3.64 million, of which \$1.7 million, or 47%, 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 much 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



850-4 Reservoir (P2191)

This project was awarded and started in February 2008. This project includes the construction of a 2.2 MG steel reservoir.

Key Component: A new 2.2 MG Steel Reservoir to meet the ultimate demand in the 850 pressure zone.

Schedule: Construction is approximately 98% complete. The project is scheduled for completion in June 2009.

Cost: The project budget is \$3.25 million, of which \$3.14 million, or 97%, has been spent.

Significant Issues: The project completion date has been extended from June 2009 to August 2009, due to delays by SDG&E for service to the site along with long lead times for materials.

Highlights: The design includes a solar panel capable of producing a minimum of 1 kW that will be tied back to the grid.

Flagship CIP Project in Construction



36-Inch Pipeline From FCF No. 14 to Regulatory Site Project

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 on June 3, 2009.

Cost: The project budget is \$22.0 million, of which \$3.77 million, or 17% has been spent.

Significant Issues: None

Highlights: The first and main component of the Jamacha Road Pipeline Project consists of the construction of a 36-inch tape wrapped cement mortar lined and coated steel pipeline which will transfer water from the Otay 14 Flow Control Facility. The second component consists of the replacement of concrete cylinder pipe with approx. 4,500 feet of 12-inch and 8-inch polyvinyl chloride pipe along Jamacha Road.

CIP Project in Construction



1485-1 Pump Station Replacement (P2172)

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

CIP Project in Construction

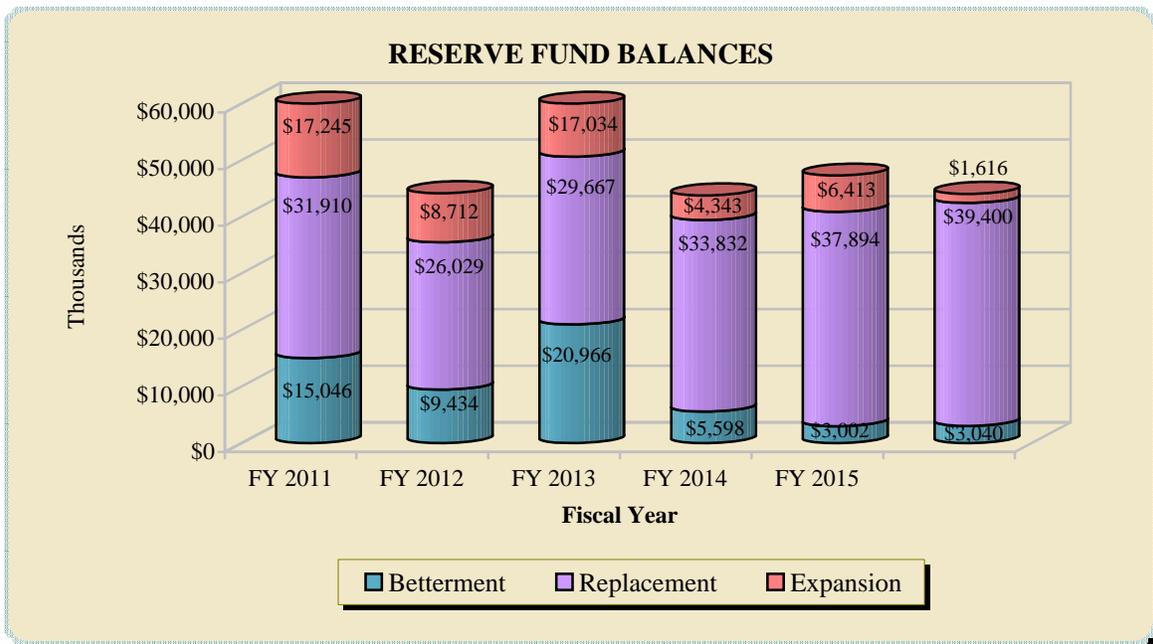


450-1 Reservoir Disinfection Facility (R2092)

This project was awarded in December 2008. The recycled water will be additionally disinfected prior to delivery to District customers. This project will supplement the disinfection provided for the South Bay Water Reclamation Plant.

CIP Reserve Funds

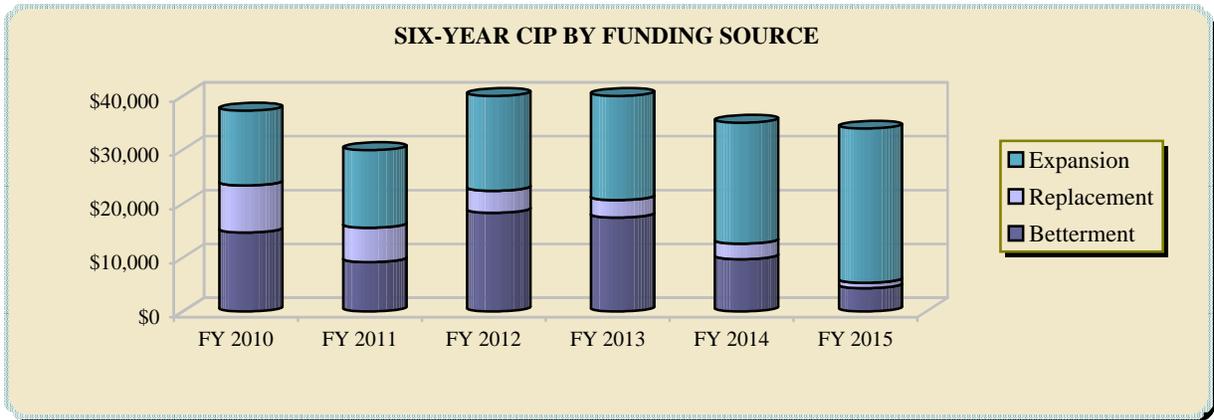
The CIP Reserve Funds presentation, shown on the following pages, is designed to provide an understanding of how the funding of CIPs is expected to financially influence the District over the next six years. The financial impacts are based on the CIP and its funding sources, including fund transfers 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.



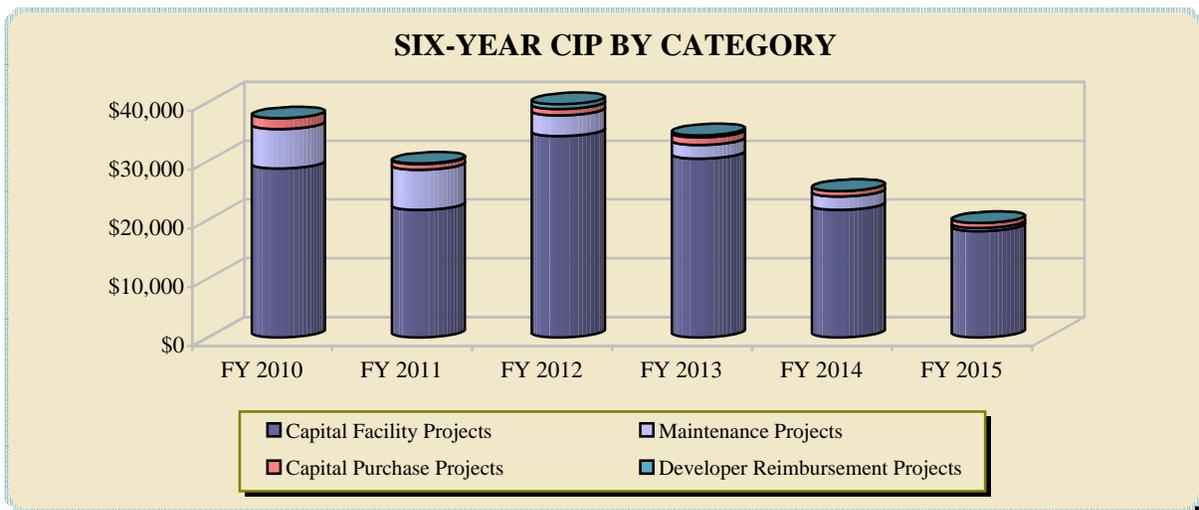
(Thousand \$000s)	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	Total
Capacity Fees	\$ 1,619	\$ 1,514	\$ 2,576	\$ 10,051	\$ 13,584	\$ 16,340	\$ 45,683
Debt financing	41,000	-	54,380	-	14,610	-	109,990
Grants	5,221	3,970	1,130	1,050	1,000	1,000	13,371
Interest	1,104	1,354	1,755	2,133	2,112	2,502	10,961
Betterment Charges	948	948	976	1,006	1,036	1,067	5,981
Temporary Meters	1,171	1,171	1,173	1,178	1,185	1,187	7,064
Availability (Betterment Portion)	519	519	534	550	567	584	3,273
Transfer from General Fund	9,833	8,669	13,859	15,894	17,683	21,582	87,520
Interfund Transfers	-	-	-	-	-	1,545	1,545
Total Sources	61,415	18,144	76,384	31,862	51,776	45,807	285,387
CIP Projects	37,272	29,946	42,366	43,841	35,041	33,949	222,415
Betterment Fees for Maintenance	571	583	595	606	618	631	3,604
Debt Service	5,261	6,238	8,513	9,876	11,134	11,474	52,496
Developer Services	1,397	1,404	1,418	1,432	1,447	1,461	8,559
Interfund Transfers	-	-	-	-	-	1,545	1,545
Total Uses	44,501	38,171	52,892	55,756	48,240	49,060	288,619
Net Sources (Uses)	\$ 16,913	\$ (20,027)	\$ 23,492	\$ (23,894)	\$ 3,537	\$ (3,253)	\$ (3,232)

CIP Funding Source and Category

(Thousands \$000s)	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	TOTAL
Expansion	\$ 13,915	\$ 14,415	\$ 19,966	\$ 23,210	\$ 22,494	\$ 28,620	\$122,620
Betterment	14,614	9,152	18,307	17,406	9,695	4,302	73,476
Replacement	8,744	6,379	4,093	3,225	2,852	1,027	26,319
TOTAL	\$ 37,272	\$ 29,946	\$ 42,366	\$ 43,841	\$ 35,041	\$ 33,949	\$222,415



(Thousands \$000s)	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	TOTAL
Capital Facility Projects	\$ 28,728	\$ 21,672	\$ 34,246	\$ 30,407	\$ 21,699	\$ 18,082	\$154,834
Maintenance Projects	6,716	6,830	3,520	2,325	2,250	500	22,141
Capital Purchase Projects	1,827	995	1,090	1,310	962	867	7,051
Developer Reimbursement Projects	1	99	825	350	-	-	1,275
Subtotal	37,272	29,596	39,681	34,392	24,911	19,449	185,301
FY 2011 Through FY 2015 Projects	-	350	2,685	9,449	10,130	14,500	37,114
TOTAL	\$ 37,272	\$ 29,946	\$ 42,366	\$ 43,841	\$ 35,041	\$ 33,949	\$222,415



CIP Projects (\$1,000s)

The 2010 Fiscal Year CIP Budget contains 87 projects. The costs for the work planned for Fiscal Year 2010 is \$37.3 million. Of the 87 projects planned for Fiscal Year 2010, one is designated as reimbursable project with an estimated cost of \$1,000. This project is built by a developer and reimbursed by the District.

CIP No.	Description	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	Total
CAPITAL FACILITY PROJECTS								
P2009	PL - 36-Inch, SDCWA Otay FCF No. 14 to Regulatory Site	\$ 15,000	\$ 3,200	\$ -	\$ -	\$ -	\$ -	\$ 18,200
P2010	PL - 24-Inch, Sweetwater Authority Perdue WTP to 36-Inch Main	135	400	1,600	1,600	-	-	3,735
P2038	PL - 12-Inch, 978 Zone, Jamacha, Hidden Mesa, and Chase Upsize and Replacements	1,100	200	-	-	-	-	1,300
P2040	Res - 1655-1 Reservoir 0.5 MG	1	1	1	78	700	795	1,576
P2143	Res - 1296-3 Reservoir 2 MG	2,000	40	-	-	-	-	2,040
P2172	PS - 1485-1 Pump Station Replacement	1,550	25	-	-	-	-	1,575
P2181	PL - 30-Inch, 1296 Zone, Proctor Valley Road - Proctor Valley PS/Millar Ranch	100	400	2,000	1,700	-	-	4,200
P2185	Res - 640-1 Reservoir 20.0 MG	550	-	-	-	-	-	550
P2191	Res - 850-4 Reservoir 2.2 MG	435	-	-	-	-	-	435
P2203	PL - 36-Inch, 1296 Zone, Proctor Valley Road - Millar Ranch/Pioneer	120	140	800	440	-	-	1,500
P2204	PL - 24-Inch, 1296 Zone, Pioneer Way - Proctor Valley/1296 Reservoirs	100	200	1,100	600	-	-	2,000
P2318	PL - 20-Inch, 657 Zone, Summit Cross-Tie and 36-Inch Main Connections	1	99	230	200	-	-	530
P2387	PL - 12-Inch, 832 Zone, Steele Canyon Road - Via Caliente/Campo	15	-	-	-	-	-	15
P2391	PS - Perdue WTP Pump Station (5 MGD)	200	300	2,700	2,000	-	-	5,200
P2430	PL - 30-Inch, 980 Zone, Proctor Valley Road - PB Bndy/Proctor Valley PS	150	450	2,400	2,200	-	-	5,200
P2434	Rancho Del Rey Groundwater Well Development	1,450	1,648	-	-	-	-	3,098
P2450	Otay River Groundwater Well Demineralization Project	20	100	500	1,000	5,000	4,400	11,020
P2451	Rosario Desalination Facility Conveyance System	500	850	12,000	14,000	2,450	-	29,800
P2465	Regulatory Site Material Storage Bins	10	-	-	-	-	-	10
P2466	Regional Training Facility	90	60	-	-	-	-	150
P2467	San Diego Formation Groundwater Feasibility Study	600	600	-	-	-	-	1,200
P2471	850/657 PRS at La Presa Pump Station	80	225	-	-	-	-	305
P2472	Water Supply Feasibility Studies	150	-	-	-	-	-	150
P2473	PS - 711-1 Pump Station Improvement	325	50	-	-	-	-	375
P2474	Fuel Storage Covers and Containment	100	-	-	-	-	-	100
P2475	Pump Station Fire Hydrant Installations	40	-	-	-	-	-	40
P2481	Middle Sweetwater River Basin Groundwater Well System	1,000	2,000	4,000	-	-	-	7,000
P2482	Otay Mesa Lot 7 Groundwater Well System	150	1,700	1,200	-	-	-	3,050
P2487	Sir Francis Helix and Otay Valley Cal American Agency Interconnections	200	-	-	-	-	-	200
P2488	Del Rio Road Helix and Otay Agency Interconnection	25	125	-	-	-	-	150
P2489	Gillespie Drive Helix and Otay Agency Interconnection	25	125	-	-	-	-	150
P2497	Solar Power Feasibility Study	50	-	-	-	-	-	50
P2498	Brine Disposal Pipeline Otay River Demineralization Plant to South Bay Outfall	5	10	40	100	4,000	1,445	5,600
R2048	RecPL - Otay Mesa Distribution Pipelines and Conversions	150	250	1,500	90	-	-	1,990
R2053	RWCWRF - R.O. Building Remodel and Office Furniture	15	-	-	-	-	-	15
R2058	RecPL - 16-Inch, 860 Zone, Airway Road - Otay Mesa/Alta	350	775	775	700	-	-	2,600
R2077	RecPL - 24-Inch, 860 Zone, Alta Road - Alta Gate/Airway	295	3,150	400	55	-	-	3,900
R2081	RecPL - 20-Inch, 944 Zone, Lane Avenue - Proctor Valley/Pond No. 1	70	-	-	-	-	-	70
R2087	RecPL - 20-Inch, 944 Zone, Wueste Road - Olympic/Otay WTP	350	3,500	450	-	-	-	4,300
R2088	RecPL - 20-Inch, 860 Zone, County Jail - Roll Reservoir/860-1 Reservoir	5	20	200	1,700	1,510	-	3,435
R2089	North District Recycled Water Regulatory Compliance	20	-	-	-	-	-	20
R2091	RecPS - 944-1 Pump Station Upgrade	500	-	-	-	-	-	500
R2092	Dis - 450-1 Reservoir Disinfection Facility	70	-	-	-	-	-	70
R2093	MBR City of Chula Vista	50	50	50	50	1,500	3,280	4,980
R2094	Potable Irrigation Meters to Recycled Water Conversions	500	500	1,000	-	-	-	2,000
R2097	RWCWRF - Salt Creek Live Stream Discharge	26	160	100	-	-	-	286
S2018	RWCWRF - Secondary Process Automation	50	-	-	-	-	-	50
47	Total Capital Facility Projects	28,728	21,353	33,046	26,513	15,160	9,920	134,720

CIP Projects (\$1,000s)

CIP No.	Description	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	Total
REPLACEMENT/RENEWAL PROJECTS								
P2356	PL - 12-Inch, 803 Zone, Jamul Drive Permastran Pipeline Replacement	15	-	-	-	-	-	15
P2366	APCD Engine Replacements and Retrofits	180	190	220	200	200	200	1,190
P2382	Safety and Security Improvements	70	50	50	50	50	50	320
P2416	SR-125 Utility Relocations	40	-	-	-	-	-	40
P2440	I-905 Utility Relocations	200	63	-	-	-	-	263
P2453	SR-11 Utility Relocations	75	175	245	-	-	-	495
P2456	Air and Vacuum Valve Upgrades	500	450	450	-	-	-	1,400
P2458	AMR Manual Meter Replacement	1,400	1,500	1,650	1,700	1,650	-	7,900
P2477	Res - 624-1 Reservoir Cover Replacement	325	100	-	-	-	-	425
P2483	PS - 870-1 Pump Motor and Switch Gear Replacement	130	-	-	-	-	-	130
P2484	Large Water Meter Replacement Program	135	100	100	100	100	-	535
P2485	SCADA Communication System and Software Replacement	265	350	300	-	-	-	915
P2486	Asset Management Plan Condition Assessment and Data Acquisition	300	300	200	-	-	-	800
P2490	1296-1 Reservoir Interior/Exterior Coating and Upgrades	340	10	-	-	-	-	350
P2491	850-3 Reservoir Exterior Coating	290	10	-	-	-	-	300
P2492	1296-2 Reservoir Interior/Exterior Coating and Upgrades	30	560	10	-	-	-	600
P2493	624-2 Reservoir Interior Coating and Upgrades	30	910	10	-	-	-	950
P2494	Multiple Species Conservation Plan	141	75	10	-	-	-	226
P2495	San Miguel Habitat Management/Mitigation Area	225	150	150	175	150	150	1,000
P2496	Otay Lakes Road Utility Relocations	75	25	-	-	-	-	100
R2086	RWCWRF Force Main AirVac Replacements and Road Improvements	40	-	-	-	-	-	40
R2095	RWCWRF - Filter Storage Reservoir Cover Replacement	75	-	-	-	-	-	75
R2096	RWCWRF - Blower System Rehabilitation/Replacement	800	200	-	-	-	-	1,000
S2012	SVSD Outfall and RSD Replacement and OM Reimbursement	300	130	100	100	100	100	830
S2015	Calavo Lift Station Replacement	10	-	-	-	-	-	10
S2019	Avocado Boulevard 8-Inch Sewer Main Improvement	600	1,032	-	-	-	-	1,632
S2020	Calavo Drive 8-Inch Sewer Main Replacement	40	300	10	-	-	-	350
S2021	Jamacha Road 8-Inch Sewer Main Replacement	30	110	10	-	-	-	150
S2022	Hidden Mesa Drive 8-Inch Sewer Main Rehabilitation	5	40	5	-	-	-	50
S2023	Calavo Drive Sewer Main Utility Relocation	50	-	-	-	-	-	50
30	Total Replacement/Renewal Projects	6,716	6,830	3,520	2,325	2,250	500	22,141
CAPITAL PURCHASE PROJECTS								
P2282	Vehicle Capital Purchases	484	410	420	640	392	382	2,728
P2285	Office Equipment and Furniture Capital Purchases	40	20	20	20	20	20	140
P2286	Field Equipment Capital Purchases	183	65	50	50	50	15	413
P2443	Information Technology Mobile Services	150	100	100	100	-	-	450
P2461	Records Management System Upgrade	100	-	-	-	-	-	100
P2469	Information Technology Network and Hardware	300	200	300	300	300	250	1,650
P2470	Application Systems Development and Integration	430	200	200	200	200	200	1,430
P2478	Administration Building Engine/Generator Set	120	-	-	-	-	-	120
P2479	Operations Yard Property Acquisition	20	-	-	-	-	-	20
9	Total Capital Purchase Projects	1,827	995	1,090	1,310	962	867	7,051
DEVELOPER REIMBURSEMENT PROJECTS								
P2325	PL - 10" to 12" Oversize, 1296 Zone, PB Road - Rolling Hills Hydro PS/PB Bndy	1	49	-	-	-	-	50
1	Total Developer Reimbursement Projects	1	49	-	-	-	-	50
87	Total - FY 2010 Projects	37,272	29,227	37,656	30,148	18,372	11,287	163,962
19	FY 2011 Through FY 2015 Projects	-	719	4,710	13,693	16,669	22,662	58,453
	Grand Totals	\$ 37,272	\$ 29,946	\$ 42,366	\$ 43,841	\$ 35,041	\$ 33,949	222,415

CIP Justification and Impact on Operating Budget

Projected Incremental Operating Expenditures (1)										
CIP No.	Description	J/FS (1)	Total	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	Total
CAPITAL FACILITY PROJECTS										
P2009	PL - 36-Inch, SDCWA Otay	E/B	\$ 9,300	-	-	9,300	9,600	9,900	10,200	\$ 39,000
P2010	PL - 24-Inch, Sweetwater Authority	E/B	1,400	-	-	-	-	1,400	1,400	2,800
P2037	Res - 980-3 Reservoir 15 MG	E	28,200	-	-	-	-	-	-	-
P2181	PL - 30-Inch, 1296 Zone	E/B	1,800	-	-	-	-	1,800	1,900	3,700
P2203	PL - 36-Inch, 1296 Zone	E/B	1,000	-	-	-	-	1,000	1,000	2,000
P2204	PL - 24-Inch, 1296 Zone	E/B	700	-	-	-	-	700	700	1,400
P2235	Res - 624-4 Emergency Reservoir	E	75,100	-	-	-	-	-	-	-
P2391	PS - Perdue WTP Pump Station	E/B	51,800	-	-	-	-	51,800	53,400	105,200
P2430	PL - 30-Inch, 980 Zone	E/B	2,700	-	-	-	-	2,700	2,800	5,500
P2434	Rancho Del Rey Groundwater Well	E/B	5,700	-	-	5,700	5,900	6,100	6,300	24,000
P2451	Rosarito Desalination Facility	E/B	3,400	-	-	-	-	-	3,400	3,400
P2481	Middle Sweetwater River Basin	E/B	9,700	-	-	-	9,700	10,000	10,300	30,000
P2482	Otay Mesa Lot 7 Groundwater Well	E/B	3,200	-	-	-	3,200	3,300	3,400	9,900
P2498	Brine Disposal Pipeline Otay River	E/B	2,700	-	-	-	-	-	-	-
P2033	PL - 16-Inch, 1296 Zone	E	2,200	-	-	-	-	1,100	2,200	3,300
P2038	PL - 12-Inch, 978 Zone	B/R	1,500	-	-	1,500	1,500	1,500	1,500	6,000
P2040	Res - 1655-1 Reservoir	B	900	-	-	-	-	-	-	-
P2143	Res - 1296-3 Reservoir	E	3,800	-	3,800	3,900	4,000	4,100	4,200	20,000
P2172	PS - 1485-1 Pump Station	B/R	7,400	-	7,400	7,600	7,800	8,000	8,200	39,000
P2185	Res - 640-1 Reservoir	E/B	37,600	-	18,800	37,600	38,700	39,900	41,100	176,100
P2190	PL - 10-Inch, 1485 Zone	B	400	-	-	-	-	400	400	800
P2191	Res - 850-4 Reservoir	E/B	4,200	2,100	4,200	4,300	4,400	4,500	4,600	24,100
P2318	PL - 20-Inch, 657 Zone	B	100	-	-	-	-	100	100	200
P2357	PS - 657-1/850-1 Pump Station	B	(44,400)	-	-	-	(44,400)	(45,700)	(47,100)	(137,200)
P2370	Res - Dorchester Reservoir	B	(4,800)	-	-	-	(4,800)	(4,900)	(5,000)	(14,700)
P2387	PL - 12-Inch, 832 Zone	B	600	500	600	600	600	600	600	3,500
P2450	Otay River Groundwater Well	E/B	28,100	-	-	-	-	-	-	-
R2034	RecRes - 860-1 Reservoir	E	7,500	-	-	-	-	-	7,500	7,500
R2048	RecPL - Otay Mesa Distribution	E	10,200	-	-	-	-	-	10,200	10,200
R2077	RecPL - 24-Inch, 860 Zone	E	3,200	-	-	-	-	3,200	3,300	6,500
R2081	RecPL - 16-Inch, 944 Zone	E	2,700	2,300	2,400	2,500	2,600	2,700	2,800	15,300
R2087	RecPL - 16-Inch, 944 Zone	E	5,100	-	-	-	5,100	5,300	5,500	15,900
R2088	RecPL - 24-Inch, 860 Zone	E/B	2,400	-	-	-	-	-	1,800	1,800
R2091	RecPS - 944-1 Pump Station Upgrade	E	107,900	-	107,900	111,100	114,400	117,800	121,300	572,500
R2092	Dis - 450-1 Res Disinfection Facility	E	10,700	-	5,400	10,700	11,000	11,300	11,600	50,000
Total Capital Facility Projects			\$ 384,000	\$ 4,900	\$ 150,500	\$ 194,800	\$ 169,300	\$ 238,600	\$ 269,600	\$ 1,027,700
REPLACEMENT/RENEWAL PROJECTS										
P2458	AMR Retrofit	R	(226,400)	(36,500)	(34,500)	(34,700)	(39,300)	(40,400)	(41,000)	(226,400)
Total Replacement/Renewal Projects			(226,400)	(36,500)	(34,500)	(34,700)	(39,300)	(40,400)	(41,000)	(226,400)

(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

CIP Justification and Impact on Operating Budget

Projected Incremental Operating Expenditures										
CIP No.	Description	J/FS ⁽²⁾	Total	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	Total
CAPITAL PURCHASE PROJECTS										
P2443	IT Mobile Services	E/R	\$ 18,000	18,000	18,500	19,100	19,700	20,300	20,900	\$ 116,500
Total Capital Purchase Projects			18,000	18,000	18,500	19,100	19,700	20,300	20,900	116,500
DEVELOPER REIMBURSEMENT PROJECTS										
P2104	PL - 12-Inch, 711 Zone	E	2,000	-	-	-	-	2,000	2,100	4,100
P2107	PL - 12-Inch, 711 Zone	E	1,700	-	-	-	-	1,700	1,800	3,500
P2325	PL - 10" to 12" Oversize	E	2,300	-	-	2,300	2,400	2,500	2,600	9,800
P2402	PL - 12-Inch, 624 Zone	E	1,000	-	-	-	-	1,000	1,000	2,000
P2403	PL - 12-Inch, 624 Zone	E	3,100	-	-	-	-	-	3,100	3,100
R2028	RecPL - 8-Inch, 680 Zone	E	2,400	-	-	-	-	-	2,400	2,400
R2042	RecPL - 8-Inch, 944 Zone	E	900	-	-	-	500	500	500	1,500
R2047	RecPL - 12-Inch, 680 Zone	E	1,400	-	-	-	1,400	1,400	1,400	4,200
R2058	RecPL - 16-Inch, 860 Zone	E	3,600	-	-	-	-	3,600	3,700	7,300
R2082	RecPL - 24-Inch, 680 Zone	E	1,200	-	-	-	1,200	1,200	1,200	3,600
R2083	RecPL - 20-Inch, 680 Zone	E	700	-	-	-	700	700	700	2,100
R2084	RecPL - 20-Inch, 680 Zone	E	1,900	-	-	-	-	1,900	2,000	3,900
R2085	RecPL - 20-Inch, 680 Zone	E	1,300	-	-	-	-	1,300	1,300	2,600
Total Developer Reimbursement Projects			23,500	-	-	2,300	6,200	17,800	23,800	50,100
Total Operating Budget Cost Impact			\$ 199,100	\$ (13,600)	\$ 134,500	\$ 181,500	\$ 155,900	\$ 236,300	\$ 273,300	\$ 967,900

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 10	FY 11	FY 12	FY 13	FY 14	FY 15	Total
Operations and Maintenance	\$ (14,600)	\$ 18,150	\$ 43,000	\$ 43,400	\$ 76,200	\$ 105,000	\$ 271,150
Energy	-	98,200	105,500	78,400	124,800	128,500	535,400
Chemical	1,000	18,150	33,000	34,100	35,300	39,800	161,350
Total Operating Budget Cost Impact	\$ (13,600)	\$ 134,500	\$ 181,500	\$ 155,900	\$ 236,300	\$ 273,300	\$ 967,900

Note: See pages 184-185 for complete description of CIP projects.

**Otay Water District
FY 2010 - FY 2015
CIP Project Schedules**

ID	CIP	CIP Project Title	Start	Finish	92												93												94												95												96												97												98												99												00												01												02												03												04												05												06												07												08												09												10												11												12												13												14												15											
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15																																																																																																																											
1		Project Category: Capital Facility Projects	Mon 11/4/91	Tue 6/30/15																																																																																																																																																																																																																																																																																																
2	P2009	PL - 36-Inch, SDCWA Otay FCF No. 14 to Regulatory Site	Tue 7/1/97	Thu 6/30/11																																																																																																																																																																																																																																																																																																
3	P2010	PL - 24-Inch, Sweetwater Authority Perdue WTP to 36-Inch Main	Fri 1/1/10	Sun 6/30/13																																																																																																																																																																																																																																																																																																
4	P2038	PL - 12-Inch, 978 Zone, Jamacha, Hidden Mesa, and Chase Upsize and Replacements	Fri 7/1/05	Thu 6/30/11																																																																																																																																																																																																																																																																																																
5	P2040	Res - 1655-1 Reservoir 0.5 MG	Thu 7/1/93	Tue 6/30/15																																																																																																																																																																																																																																																																																																
6	P2143	Res - 1296-3 Reservoir 2 MG	Thu 11/1/01	Wed 6/30/10																																																																																																																																																																																																																																																																																																
7	P2172	PS - 1485-1 Pump Station Replacement	Mon 7/2/01	Wed 6/30/10																																																																																																																																																																																																																																																																																																
8	P2181	PL - 30-Inch, 1296 Zone, Proctor Valley Road - Proctor Valley PS/Millar Ranch	Fri 1/1/10	Sun 6/30/13																																																																																																																																																																																																																																																																																																
9	P2185	Res - 640-1 Reservoir 20.0 MG	Mon 11/4/91	Sun 10/31/10																																																																																																																																																																																																																																																																																																
10	P2191	Res - 850-4 Reservoir 2.2 MG	Tue 7/1/03	Thu 12/31/09																																																																																																																																																																																																																																																																																																
11	P2203	PL - 36-Inch, 1296 Zone, Proctor Valley Road - Millar Ranch/Pioneer	Fri 1/1/10	Sun 6/30/13																																																																																																																																																																																																																																																																																																
12	P2204	PL - 24-Inch, 1296 Zone, Pioneer Way - Proctor Valley/1296 Reservoirs	Fri 1/1/10	Sun 6/30/13																																																																																																																																																																																																																																																																																																
13	P2318	PL - 20-Inch, 657 Zone, Summit Cross-Tie and 36-Inch Main Connections	Mon 11/3/97	Sun 6/30/13																																																																																																																																																																																																																																																																																																
14	P2387	PL - 12-Inch, 832 Zone, Steele Canyon Road - Via Caliente/Campo	Fri 7/1/05	Mon 8/31/09																																																																																																																																																																																																																																																																																																
15	P2391	PS - Perdue WTP Pump Station (5 MGD)	Fri 1/1/10	Sun 6/30/13																																																																																																																																																																																																																																																																																																
16	P2430	PL - 30-Inch, 980 Zone, Proctor Valley Road - PB Bndy/Proctor Valley PS	Fri 1/1/10	Sun 6/30/13																																																																																																																																																																																																																																																																																																
17	P2434	Rancho Del Rey Groundwater Well Development	Fri 7/1/94	Thu 6/30/11																																																																																																																																																																																																																																																																																																
18	P2450	Otay River Groundwater Well Demineralization Project	Mon 7/2/07	Tue 6/30/15																																																																																																																																																																																																																																																																																																
19	P2451	Rosarito Desalination Facility Conveyance System	Mon 7/3/06	Mon 6/30/14																																																																																																																																																																																																																																																																																																
20	P2465	Regulatory Site Material Storage Bins	Mon 7/2/07	Wed 6/30/10																																																																																																																																																																																																																																																																																																
21	P2466	Regional Training Facility	Tue 8/1/06	Thu 6/30/11																																																																																																																																																																																																																																																																																																
22	P2467	San Diego Formation Groundwater Feasibility Study	Mon 7/2/07	Thu 6/30/11																																																																																																																																																																																																																																																																																																
23	P2471	850/657 PRS at La Presa Pump Station	Tue 7/1/08	Thu 6/30/11																																																																																																																																																																																																																																																																																																
24	P2472	Water Supply Feasibility Studies	Tue 7/1/08	Wed 6/30/10																																																																																																																																																																																																																																																																																																
25	P2473	PS - 711-1 Pump Station Improvement	Thu 1/1/09	Thu 6/30/11																																																																																																																																																																																																																																																																																																
26	P2474	Fuel Storage Covers and Containment	Tue 7/1/08	Wed 6/30/10																																																																																																																																																																																																																																																																																																
27	P2475	Pump Station Fire Hydrant Installations	Wed 4/1/09	Wed 6/30/10																																																																																																																																																																																																																																																																																																
28	P2481	Middle Sweetwater River Basin Groundwater Well System	Tue 7/1/08	Sat 6/30/12																																																																																																																																																																																																																																																																																																
29	P2482	Otay Mesa Lot 7 Groundwater Well System	Tue 7/1/08	Sat 6/30/12																																																																																																																																																																																																																																																																																																
30	P2487	Sir Francis Helix and Otay Valley Cal American Agency Interconnections	Tue 7/1/08	Mon 11/30/09																																																																																																																																																																																																																																																																																																
31	P2488	Del Rio Road Helix and Otay Agency Interconnection	Wed 7/1/09	Thu 6/30/11																																																																																																																																																																																																																																																																																																
32	P2489	Gillespie Drive Helix and Otay Agency Interconnection	Wed 7/1/09	Thu 6/30/11																																																																																																																																																																																																																																																																																																
33	P2497	Solar Power Feasibility Study	Mon 7/3/06	Wed 6/30/10																																																																																																																																																																																																																																																																																																
34	P2498	Brine Disposal Pipeline Otay River Demineralization Plant to South Bay Outfall	Mon 3/1/10	Tue 6/30/15																																																																																																																																																																																																																																																																																																
35	R2048	RecPL - Otay Mesa Distribution Pipelines and Conversions	Tue 7/1/08	Sun 6/30/13																																																																																																																																																																																																																																																																																																
36	R2053	RWCWRF - R.O. Building Remodel and Office Furniture	Tue 7/1/97	Mon 8/31/09																																																																																																																																																																																																																																																																																																
37	R2058	RecPL - 16-Inch, 860 Zone, Airway Road - Otay Mesa/Alta	Mon 7/2/01	Sun 6/30/13																																																																																																																																																																																																																																																																																																
38	R2077	RecPL - 24-Inch, 860 Zone, Alta Road - Alta Gate/Airway	Mon 7/2/01	Sun 6/30/13																																																																																																																																																																																																																																																																																																
39	R2081	RecPL - 20-Inch, 944 Zone, Lane Avenue - Proctor Valley/Pond No. 1	Mon 7/3/06	Mon 8/31/09																																																																																																																																																																																																																																																																																																
40	R2087	RecPL - 20-Inch, 944 Zone, Wueste Road - Olympic/Otay WTP	Fri 9/1/06	Sat 6/30/12																																																																																																																																																																																																																																																																																																
41	R2088	RecPL - 20-Inch, 860 Zone, County Jail - Roll Reservoir/860-1 Reservoir	Fri 9/1/06	Mon 6/30/14																																																																																																																																																																																																																																																																																																
42	R2089	North District Recycled Water Regulatory Compliance	Tue 5/1/07	Thu 12/31/09																																																																																																																																																																																																																																																																																																
43	R2091	RecPS - 944-1 Pump Station Upgrade	Mon 7/2/07	Sun 5/30/10																																																																																																																																																																																																																																																																																																
44	R2092	Dis - 450-1 Reservoir Disinfection Facility	Mon 7/2/07	Thu 12/30/10																																																																																																																																																																																																																																																																																																
45	R2093	MBR City of Chula Vista	Thu 7/31/08	Tue 6/30/15																																																																																																																																																																																																																																																																																																
46	R2094	Potable Irrigation Meters to Recycled Water Conversions	Wed 7/1/09	Sat 6/30/12																																																																																																																																																																																																																																																																																																
47	R2097	RWCWRF - Salt Creek Live Stream Discharge	Wed 7/1/09	Sat 6/30/12																																																																																																																																																																																																																																																																																																
48	S2018	RWCWRF - Secondary Process Automation	Wed 7/1/09	Mon 8/30/10																																																																																																																																																																																																																																																																																																
49																																																																																																																																																																																																																																																																																																				
50		Project Category: Replacement/Renewal Projects	Fri 12/1/00	Tue 6/30/15																																																																																																																																																																																																																																																																																																
51	P2356	PL - 12-Inch, 803 Zone, Jamul Drive Permastran Pipeline Replacement	Fri 7/1/05	Mon 8/31/09																																																																																																																																																																																																																																																																																																

Project: OWD FY 2009 CIP Schedule Date: Fri 8/14/09

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

Progress
 Summary
 Rolled Up Milestone
 Split
 Project Summary

**Otay Water District
FY 2010 - FY 2015
CIP Project Schedules**

ID	CIP	CIP Project Title	Start	Finish	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
52	P2366	APCD Engine Replacements and Retrofits	Fri 12/1/00	Tue 6/30/15																
53	P2382	Safety and Security Improvements	Mon 7/1/02	Tue 6/30/15																
54	P2416	SR-125 Utility Relocations	Tue 10/1/02	Wed 6/30/10																
55	P2440	I-905 Utility Relocations	Wed 1/1/03	Thu 6/30/11																
56	P2453	SR-11 Utility Relocations	Mon 7/3/06	Sat 6/30/12																
57	P2456	Air and Vacuum Valve Upgrades	Mon 7/3/06	Sat 6/30/12																
58	P2458	AMR Manual Meter Replacement	Mon 7/3/06	Mon 6/30/14																
59	P2477	Res - 624-1 Reservoir Cover Replacement	Tue 7/1/08	Mon 8/30/10																
60	P2483	PS - 870-1 Pump Motor and Switch Gear Replacement	Wed 7/1/09	Wed 6/30/10																
61	P2484	Large Water Meter Replacement Program	Wed 7/1/09	Mon 6/30/14																
62	P2485	SCADA Communication System and Software Replacement	Wed 7/1/09	Sat 6/30/12																
63	P2486	Asset Management Plan Condition Assessment and Data Acquisition	Wed 7/1/09	Sat 6/30/12																
64	P2490	1296-1 Reservoir Interior/Exterior Coating and Upgrades	Wed 7/1/09	Thu 6/30/11																
65	P2491	850-3 Reservoir Exterior Coating	Wed 7/1/09	Thu 6/30/11																
66	P2492	1296-2 Reservoir Interior/Exterior Coating and Upgrades	Wed 7/1/09	Sat 6/30/12																
67	P2493	624-2 Reservoir Interior Coating and Upgrades	Wed 7/1/09	Sat 6/30/12																
68	P2494	Multiple Species Conservation Plan	Wed 7/1/09	Sat 6/30/12																
69	P2495	San Miguel Habitat Management/Mitigation Area	Wed 7/1/09	Tue 6/30/15																
70	P2496	Otay Lakes Road Utility Relocations	Wed 7/1/09	Thu 6/30/11																
71	R2086	RWCWRF Force Main AirVac Replacements and Road Improvements	Fri 7/1/05	Wed 9/30/09																
72	R2095	RWCWRF - Filter Storage Reservoir Cover Replacement	Wed 7/1/09	Wed 6/30/10																
73	R2096	RWCWRF - Blower System Rehabilitation/Replacement	Wed 7/1/09	Thu 6/30/11																
74	S2012	SVSD Outfall and RSD Replacement and OM Reimbursement	Tue 7/1/03	Tue 6/30/15																
75	S2015	Calavo Lift Station Replacement	Thu 12/1/05	Wed 12/30/09																
76	S2019	Avocado Boulevard 8-Inch Sewer Main Improvement	Wed 7/1/09	Thu 6/30/11																
77	S2020	Calavo Drive 8-Inch Sewer Main Replacement	Wed 7/1/09	Thu 6/30/11																
78	S2021	Jamacha Road 8-Inch Sewer Main Replacement	Wed 7/1/09	Thu 6/30/11																
79	S2022	Hidden Mesa Drive 8-Inch Sewer Main Rehabilitation	Wed 7/1/09	Thu 6/30/11																
80	S2023	Calavo Drive Sewer Main Utility Relocation	Wed 7/1/09	Wed 6/30/10																
81		Project Category: Capital Purchase Projects	Tue 12/5/00	Tue 6/30/15																
83	P2282	Vehicle Capital Purchases	Tue 12/5/00	Tue 6/30/15																
84	P2285	Office Equipment and Furniture Capital Purchases	Tue 12/5/00	Tue 6/30/15																
85	P2286	Field Equipment Capital Purchases	Tue 12/5/00	Tue 6/30/15																
86	P2443	Information Technology Mobile Services	Fri 7/1/05	Sun 6/30/13																
87	P2461	Records Management System Upgrade	Mon 7/2/07	Wed 6/30/10																
88	P2469	Information Technology Network and Hardware	Tue 7/1/08	Tue 6/30/15																
89	P2470	Application Systems Development and Integration	Tue 7/1/08	Tue 6/30/15																
90	P2478	Administration Building Engine/Generator Set	Tue 7/1/08	Wed 6/30/10																
91	P2479	Operations Yard Property Acquisition	Mon 11/3/08	Tue 6/29/10																
92																				
93		Project Category: Developer Reimbursement Projects	Thu 7/1/04	Thu 6/30/11																
94	P2325	PL - 10" to 12" Oversize, 1296 Zone, PB Road - Rolling Hills Hydro PS/PB Bndy	Thu 7/1/04	Thu 6/30/11																

Project: OWD FY 2009 CIP Schedule Date: Fri 8/14/09

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

Progress: Summary Rolled Up Milestone Split Project Summary Deadline

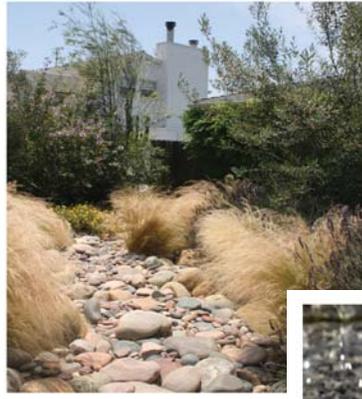
Capital Purchases Budget

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

Item#	Description	Amount	Type
<u>Field Equipment (CIP P2286)</u>			
Administration			
37	Storage Container	\$ 10,000	N
Operations			
47	Replacement of filter equipment cover at the treatment plant.	\$ 75,000	R
43	Skid-steer wheel-loader with ripper bucket, finish bucket, and sweeper attachments.	48,000	R
44	Crew truck cross-mounted air compressor.	15,000	R
45	Five-ton cable operated power with manual extend power rotating crane.	13,000	R
39	Water leak detection system consisting of eight data loggers, field docking station, and leak correlation software.	<u>22,000</u>	N
Total of Field Equipment		<u>183,000</u>	
<u>Office Equipment and Furniture (CIP P2285)</u>			
Administration			
46	To replace copier, printer at the Treatment Plant	\$ 20,000	R
Operations			
38	Replacement copier.	<u>20,000</u>	R
Total of Office Equipment		<u>40,000</u>	
<u>Vehicles (CIP P2282)</u>			
Operations			
Heavy Truck			
40	2009 F550 or equivalent equipped with a custom made and POT/engine-driven hydraulic system, 220 gallon vacuum tank, power wash gun, racks, cabinets, and hose reels.	\$ 90,000	R
41	2009 Class 8 ten-wheel dump truck with a 10-12 yard dump bed.	78,000	R
42	2009 Ford F550 or equivalent with a service body and pipe rack.	<u>56,000</u>	R
Subtotal Heavy Truck		<u>224,000</u>	
Light Duty Vehicles			
26	Toyota Matrix.	\$ 20,000	R
27	Ford F-150 Supercab Four-door or equivalent.	23,000	R
28	Ford Explorer or equivalent.	25,000	R
29	Ford F-150 Supercab Four-door 4X4 or equivalent.	26,000	R
30	Ford F-150 Supercab Four-door or E150 Van. Vehicle assignment due to for re-evaluation.	23,000	R
31	Ford Explorer 4X4 or equivalent.	25,000	R
32	Ford F-250 or equivalent.	23,000	R
33	Ford F-150 Supercab Four-door or equivalent.	23,000	R
34	Ford F-150 Supercab Four-door 4X4 or equivalent.	26,000	R
35	Ford F-150 Supercab Four-door or equivalent.	23,000	R
36	Ford F-150 Supercab Four-door or equivalent.	23,000	R
Subtotal Light Duty Vehicles		<u>260,000</u>	
Total of Vehicles		<u>484,000</u>	
Total Capital Purchases Budget		<u>\$ 707,000</u>	

N - New
R - Replacement

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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 28-29 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.

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**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2009

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

PROJECT MANAGER: Ripperger	DIRECTOR DIVISION: 5
ORIGINAL APPROVED DATE: 7/16/1997	I.D. LOCATION: 3
RELATED CIP PROJECTS: P2038, P2185	PRIORITY: 1
	BUDGET AMOUNT: \$22,200,000

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 WD Board in December 2005 and by the San Diego County Water Authority (SDCWA) Board in February 2006. Per terms of the agreement Otay WD is obligated to construct the pipeline by March 1, 2010 and SDCWA is have operational FCF No. 14 as well.

COMMENTS:

The San Diego County Water Authority (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	2010	2011	2012	2013	2014	2015	TOTAL
\$4,000	\$15,000	\$3,200					\$22,200

**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	\$2,703
CONSTRUCTION:	07/09	06/11	\$19,188

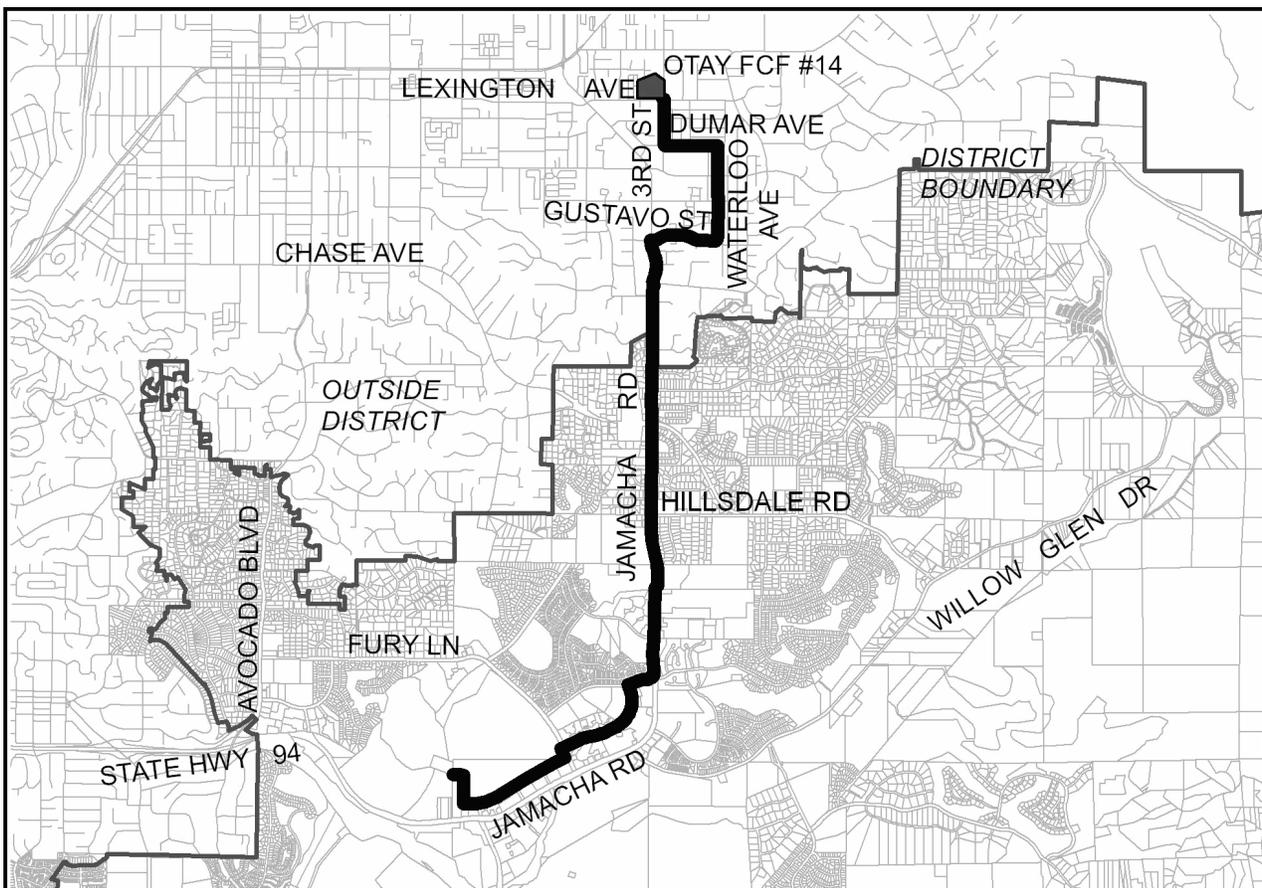
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

| FY |
|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | TOTAL |
| | | \$9,300 | \$9,600 | \$9,900 | \$10,200 | \$39,000 |

PROJECT LOCATION:

Thomas Bros. Map: 1272

OWD Map Book: 356



Submitted By: Ron Ripperger

Date: 02/22/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2010

PROJECT TITLE: PL - 24-Inch, Sweetwater Authority Perdue WTP to 36-Inch Main

PROJECT MANAGER: Ripperger	DIRECTOR DIVISION: 3
ORIGINAL APPROVED DATE:	I.D. LOCATION: 1
RELATED CIP PROJECTS: P2391	PRIORITY: 1
	BUDGET AMOUNT: \$4,000,000

DESCRIPTION OF PROJECT:

Construction of a 24-inch pipeline from the Sweetwater Authority Perdue Water Treatment Plant to the existing 36-inch main in Akard Street.

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	2010	2011	2012	2013	2014	2015	TOTAL
\$265	\$135	\$400	\$1,600	\$1,600			\$4,000

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2010

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	01/10	06/11	\$160
DESIGN:	07/11	06/12	\$440
CONSTRUCTION:	07/12	06/13	\$3,400

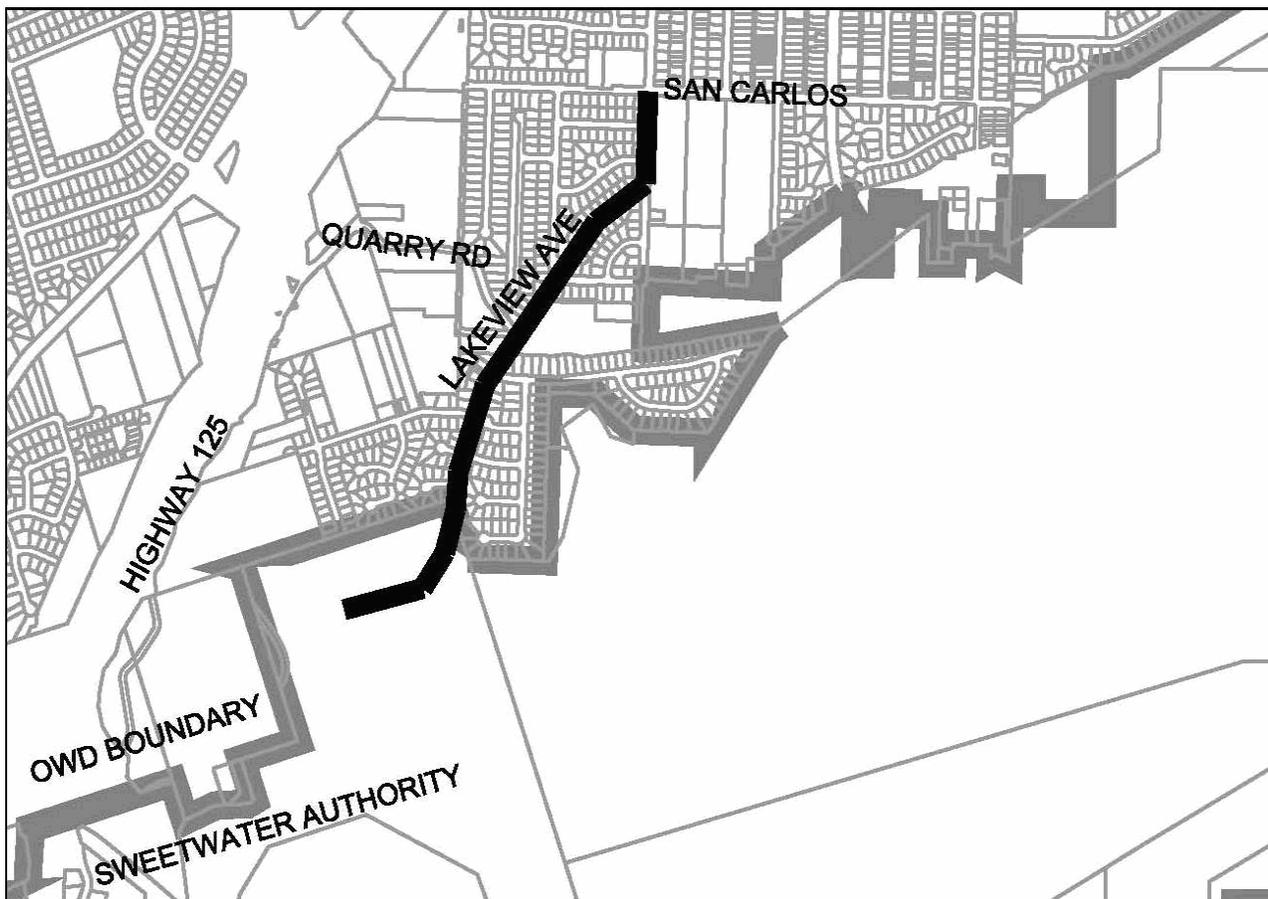
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	
				\$1,400	\$1,400	\$2,800

PROJECT LOCATION:

Thomas Bros. Map: 1291

OWD Map Book: 184



Submitted By: Ron Ripperger

Date: 02/22/2009

**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:	\$2,500,000

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	2010	2011	2012	2013	2014	2015	TOTAL
\$1,200	\$1,100	\$200					\$2,500

**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	06/06	\$100
DESIGN:	11/07	06/09	\$275
CONSTRUCTION:	07/09	06/11	\$2,125

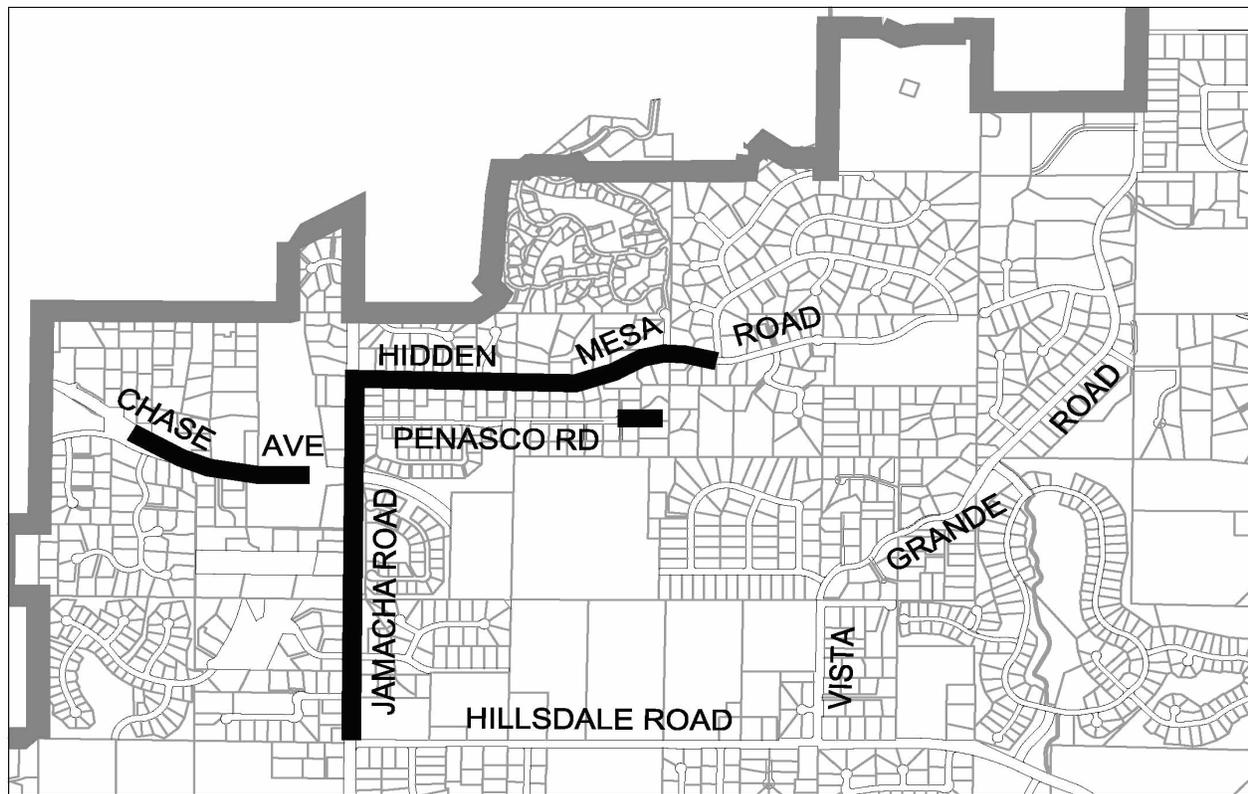
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	
		\$1,500	\$1,500	\$1,500	\$1,500	\$6,000

PROJECT LOCATION:

Thomas Bros. Map: 1272

OWD Map Book: 368



Submitted By: Daniel Kay

Date: 02/22/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2040

PROJECT TITLE: Res - 1655-1 Reservoir 0.5 MG

PROJECT MANAGER: Ripperger	DIRECTOR DIVISION: 5
ORIGINAL APPROVED DATE: 8/19/1992	I.D. LOCATION: -
RELATED CIP PROJECTS:	PRIORITY: 3
	BUDGET AMOUNT: \$2,055,000

DESCRIPTION OF PROJECT:

Construction of a 0.5 million gallon reservoir and approximately 1,500 feet of 12-inch pipeline to connect to the existing system in Presilla Drive. These improvements are located within the Rancho Jamul Estates area.

JUSTIFICATION OF PROJECT:

The project will increase system reliability, increase service capabilities, and provide adequate fire protection for the Rancho Jamul Estates area within the 1655 Pressure Zone. The existing system is currently served with a hydropneumatic pump station.

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	2010	2011	2012	2013	2014	2015	TOTAL
\$479	\$1	\$1	\$1	\$78	\$700	\$795	\$2,055

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2040

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/93	06/97	\$82
DESIGN:	07/97	06/13	\$226
CONSTRUCTION:	07/13	06/15	\$1,747

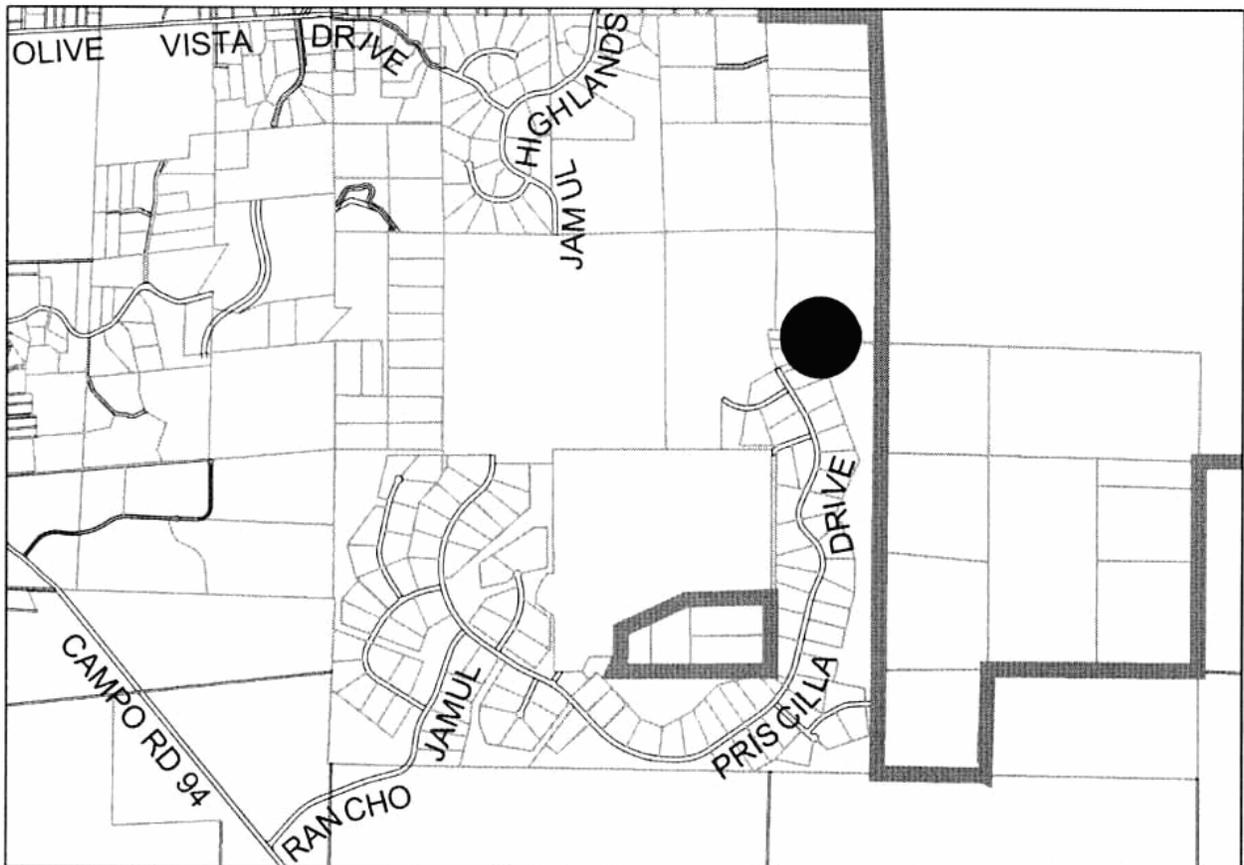
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1293

OWD Map Book: 310



Submitted By: Ron Ripperger

Date: 02/22/2009

**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: \$3,640,000

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. An additional 12 million gallons of storage is projected to be required at ultimate development.

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	2010	2011	2012	2013	2014	2015	TOTAL
\$1,600	\$2,000	\$40					\$3,640

**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	06/10	\$2,976

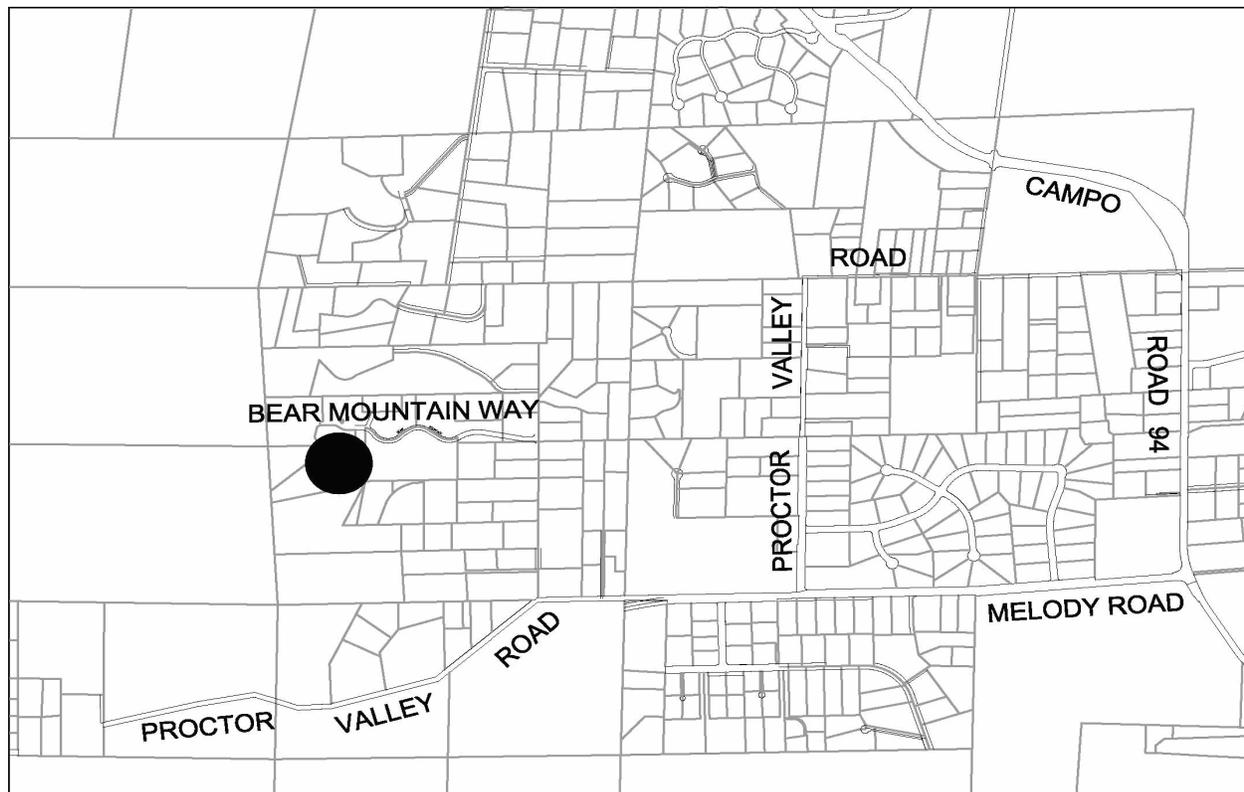
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	
	\$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: 02/22/2009

**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	2010	2011	2012	2013	2014	2015	TOTAL
\$900	\$1,550	\$25					\$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	06/10	\$2,010

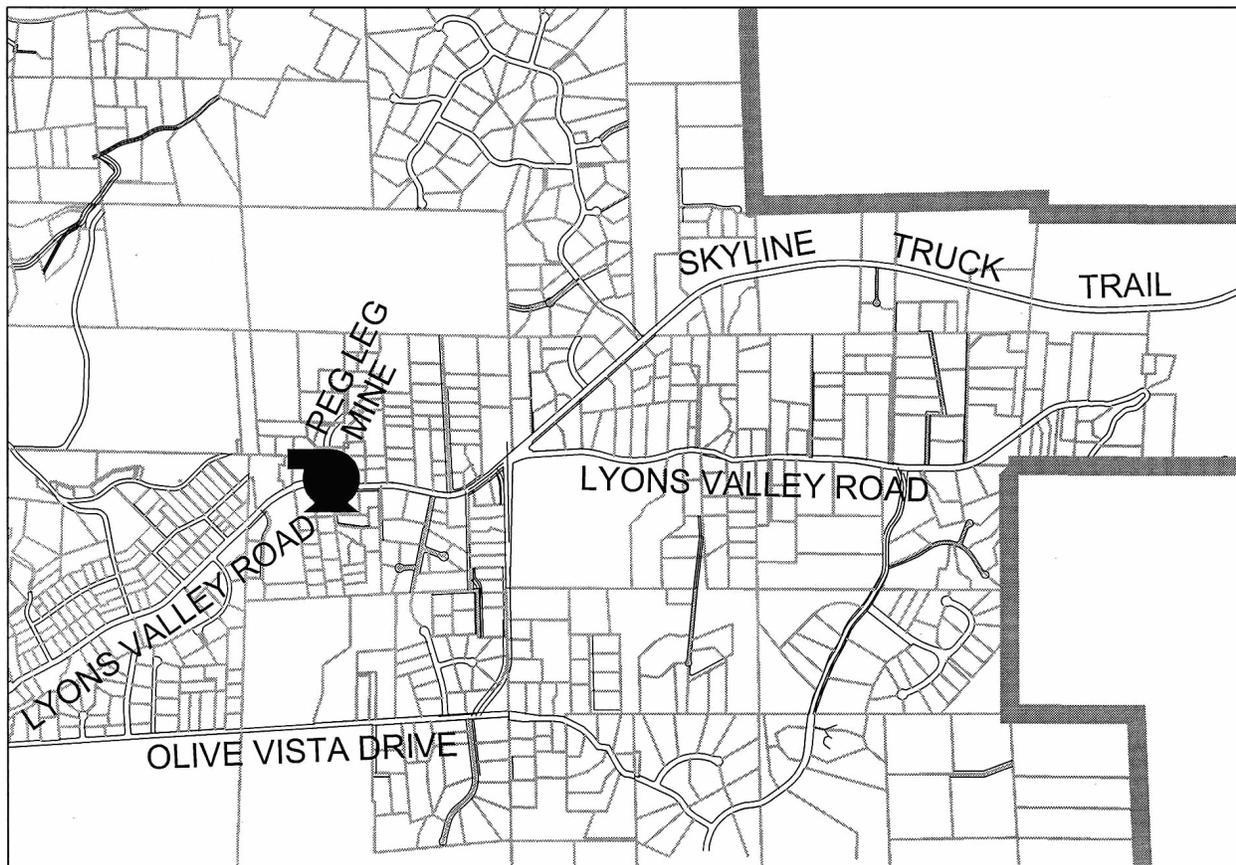
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	
	\$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: 02/27/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2181

PROJECT TITLE: PL - 30-Inch, 1296 Zone, Proctor Valley Road - Proctor Valley PS/Millar Ranch

PROJECT MANAGER: Ripperger	DIRECTOR DIVISION: 5
ORIGINAL APPROVED DATE:	I.D. LOCATION: 9
RELATED CIP PROJECTS: P2203, P2204, P2430	PRIORITY: 1
	BUDGET AMOUNT: \$4,200,000

DESCRIPTION OF PROJECT:

Construction of a 30-inch pipeline in Proctor Valley Road from the proposed Proctor Valley Pump Station to Millar Ranch Road.

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	2010	2011	2012	2013	2014	2015	TOTAL
	\$100	\$400	\$2,000	\$1,700			\$4,200

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2181

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	01/10	06/11	\$168
DESIGN:	07/11	06/12	\$462
CONSTRUCTION:	07/12	06/13	\$3,570

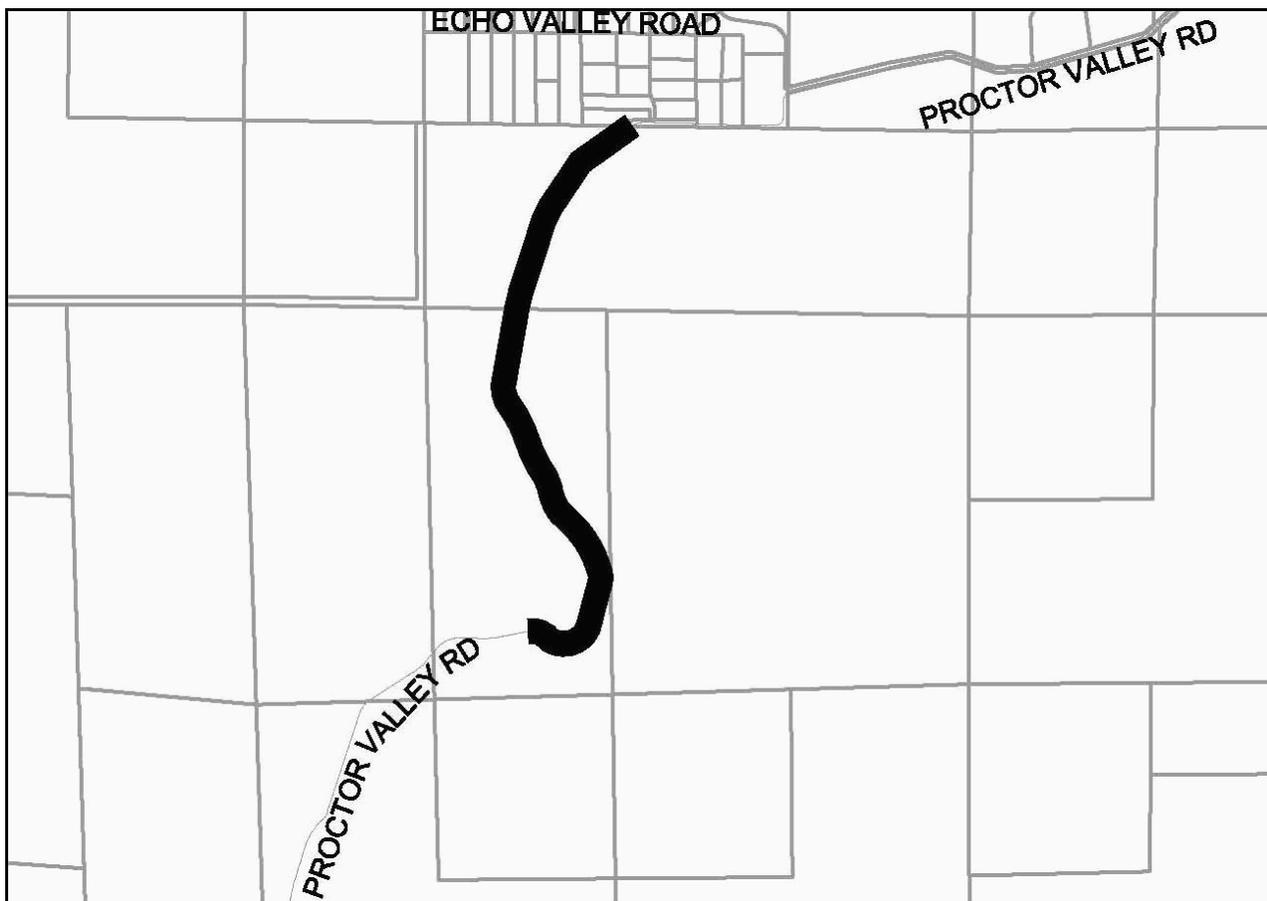
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	
				\$1,800	\$1,900	\$3,700

PROJECT LOCATION:

Thomas Bros. Map: 1292

OWD Map Book: 189



Submitted By: Ron Ripperger

Date: 02/22/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2185

PROJECT TITLE: Res - 640-1 Reservoir 20.0 MG

PROJECT MANAGER: Ripperger	DIRECTOR DIVISION: 5
ORIGINAL APPROVED DATE: 8/19/1992	I.D. LOCATION: 20
RELATED CIP PROJECTS: P2009	PRIORITY: 1
	BUDGET AMOUNT: \$28,750,000

DESCRIPTION OF PROJECT:

This project consists of two 10 million gallon structures where one will provide operational storage for ultimate projected demand conditions for the planned La Presa System 640 Pressure Zone. The other 10 million gallon reservoir will provide emergency storage for the North District systems.

JUSTIFICATION OF PROJECT:

Storage for the La Presa System is needed to correct existing substantial deficiencies and to operate in conjunction with the existing 36-inch transmission pipeline to prevent depressurization of the La Presa System. The reservoirs will provide higher suction pressures to the 803-1 Pump Station and 832-1 Pump Station resulting in significant energy savings. The 640 Reservoir storage is required to be able to meet the 10,000 acre-feet per year take requirement from the Helix WD Levy WTP per terms of the ECRTWIP agreement.

COMMENTS:

General Fund at 3% expansion, North District Storage at 50% expansion, and ID 1 at 47% betterment.

FUND DETAIL:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund	3%			3%
North District Storage	50%			50%
I.D. 1		47%		47%
TOTAL:	53%	47%		100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2010	2011	2012	2013	2014	2015	TOTAL
\$28,200	\$550						\$28,750

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2185

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	11/91	08/04	\$483
DESIGN:	09/04	11/06	\$1,171
CONSTRUCTION:	12/06	10/10	\$27,096

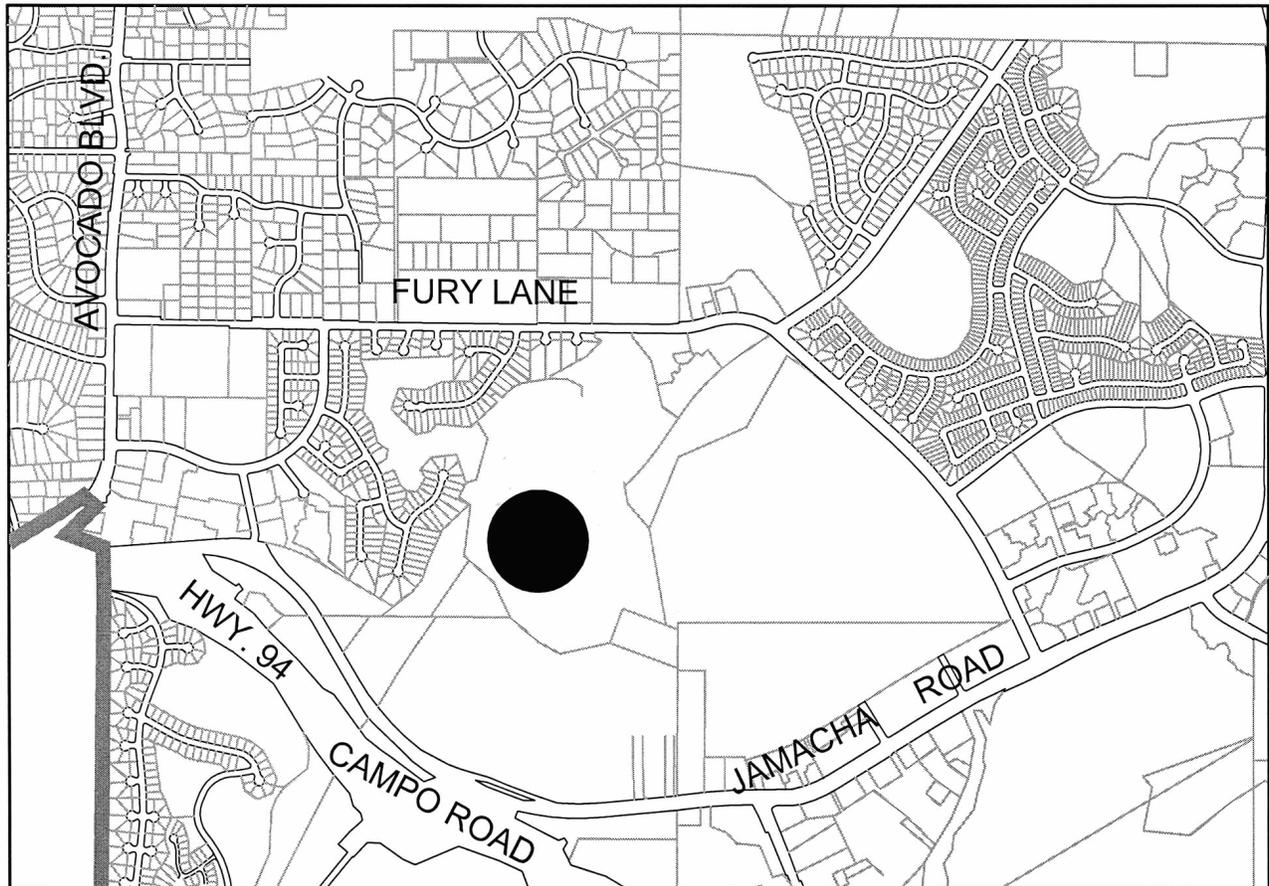
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	
	\$18,800	\$37,600	\$38,700	\$39,900	\$41,100	\$176,100

PROJECT LOCATION:

Thomas Bros. Map: 1271

OWD Map Book: 343



Submitted By: Ron Ripperger

Date: 02/22/2009

**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: \$3,435,000

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	2010	2011	2012	2013	2014	2015	TOTAL
\$3,000	\$435						\$3,435

**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	12/09	\$2,670

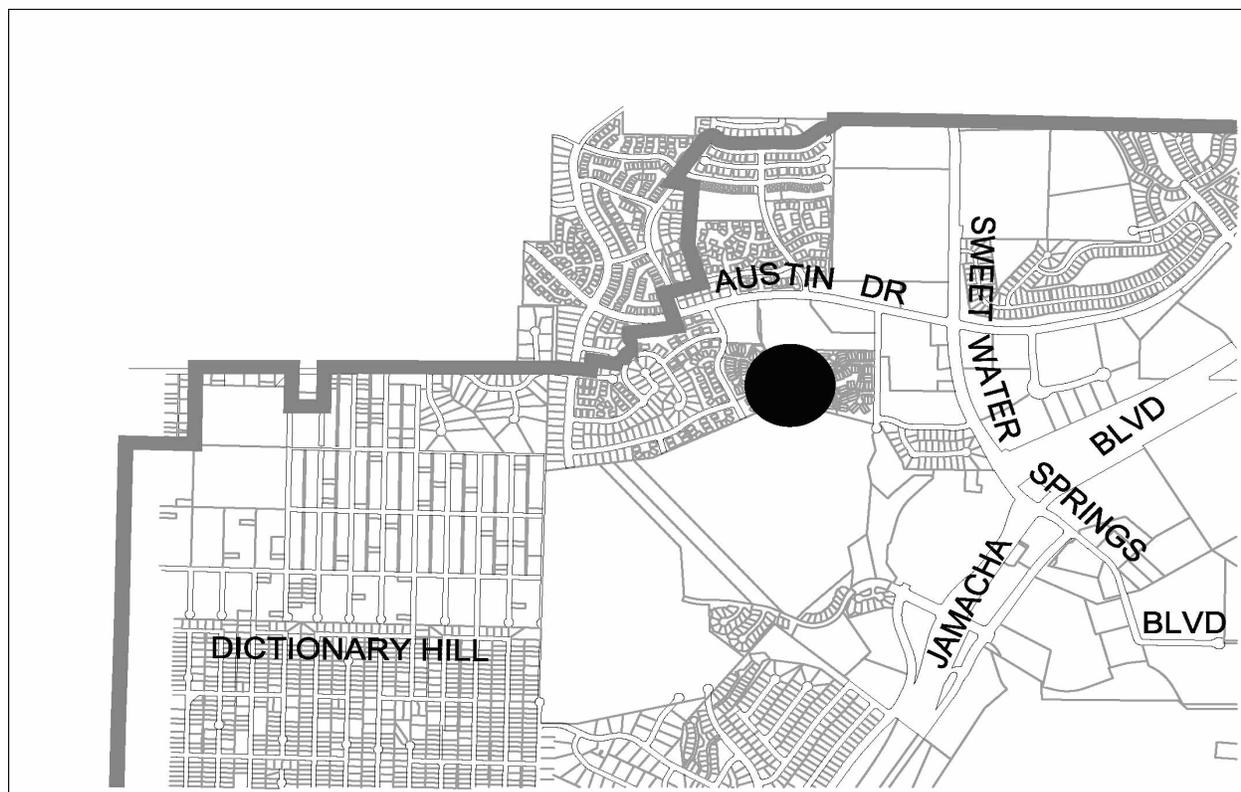
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	
\$2,100	\$4,200	\$4,300	\$4,400	\$4,500	\$4,600	\$24,100

PROJECT LOCATION:

Thomas Bros. Map: 1291

OWD Map Book: 317



Submitted By: Daniel Kay

Date: 02/22/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2203

PROJECT TITLE: PL - 36-Inch, 1296 Zone, Proctor Valley Road - Millar Ranch/Pioneer

PROJECT MANAGER: Ripperger	DIRECTOR DIVISION: 5
ORIGINAL APPROVED DATE:	I.D. LOCATION: 9
RELATED CIP PROJECTS: P2181, P2204, P2430	PRIORITY: 1
	BUDGET AMOUNT: \$1,500,000

DESCRIPTION OF PROJECT:

Construction of a 36-inch pipeline in Proctor Valley Road from Millar Ranch Road to Pioneer Way

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	2010	2011	2012	2013	2014	2015	TOTAL
	\$120	\$140	\$800	\$440			\$1,500

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2203

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	01/10	06/11	\$60
DESIGN:	07/11	06/12	\$165
CONSTRUCTION:	07/12	06/13	\$1,275

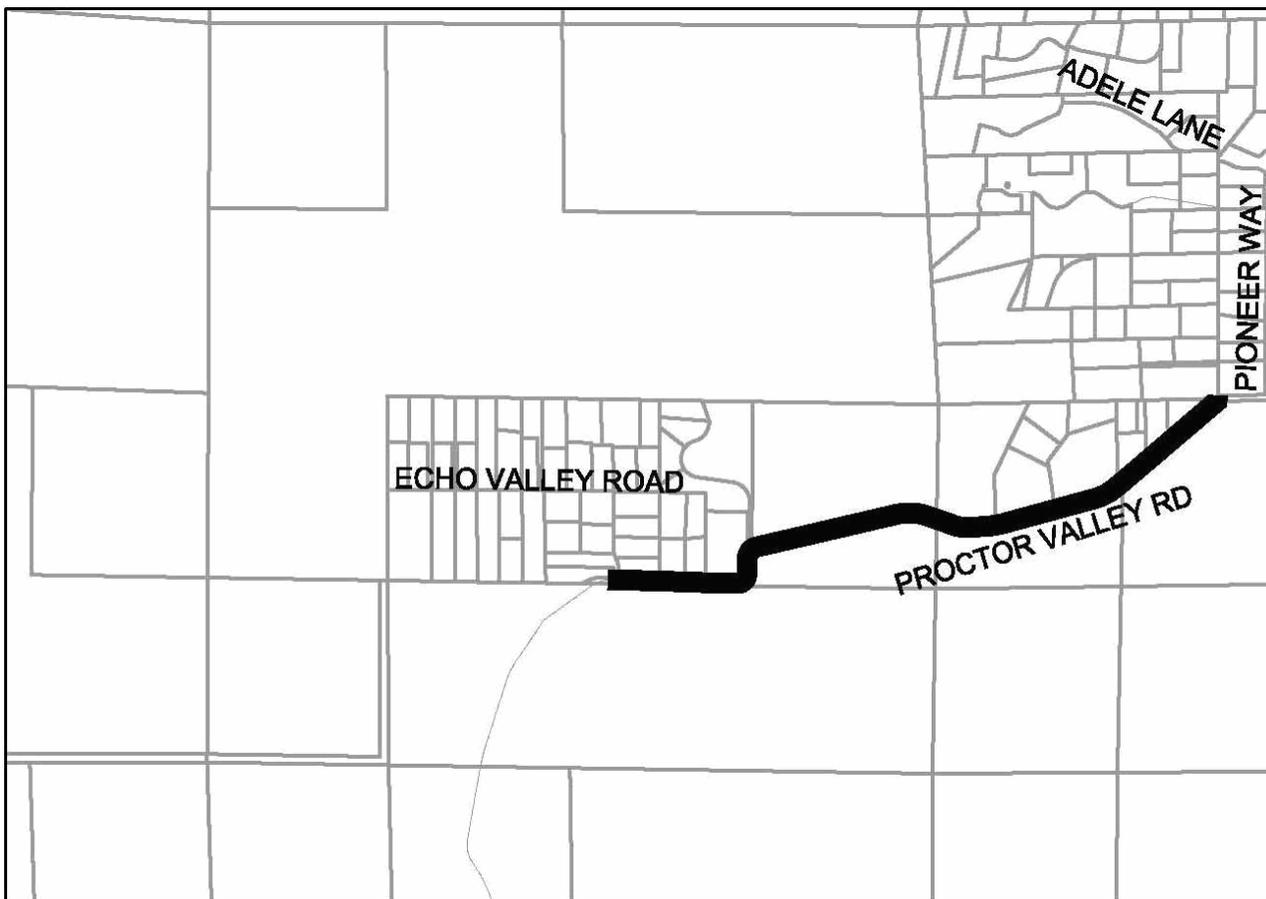
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	
				\$1,000	\$1,000	\$2,000

PROJECT LOCATION:

Thomas Bros. Map: 1292

OWD Map Book: 203



Submitted By: Ron Ripperger

Date: 02/22/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2204

PROJECT TITLE: PL - 24-Inch, 1296 Zone, Pioneer Way - Proctor Valley/1296 Reservoirs

PROJECT MANAGER: Ripperger	DIRECTOR DIVISION: 5
ORIGINAL APPROVED DATE:	I.D. LOCATION: 9
RELATED CIP PROJECTS: P2181, P2203, P2430	PRIORITY: 1
	BUDGET AMOUNT: \$2,000,000

DESCRIPTION OF PROJECT:

Construction of a 24-inch pipeline in Pioneer Way from Proctor Valley Road to the 1296 Reservoirs.

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	2010	2011	2012	2013	2014	2015	TOTAL
	\$100	\$200	\$1,100	\$600			\$2,000

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2204

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	01/10	06/11	\$80
DESIGN:	07/11	06/12	\$220
CONSTRUCTION:	07/12	06/13	\$1,700

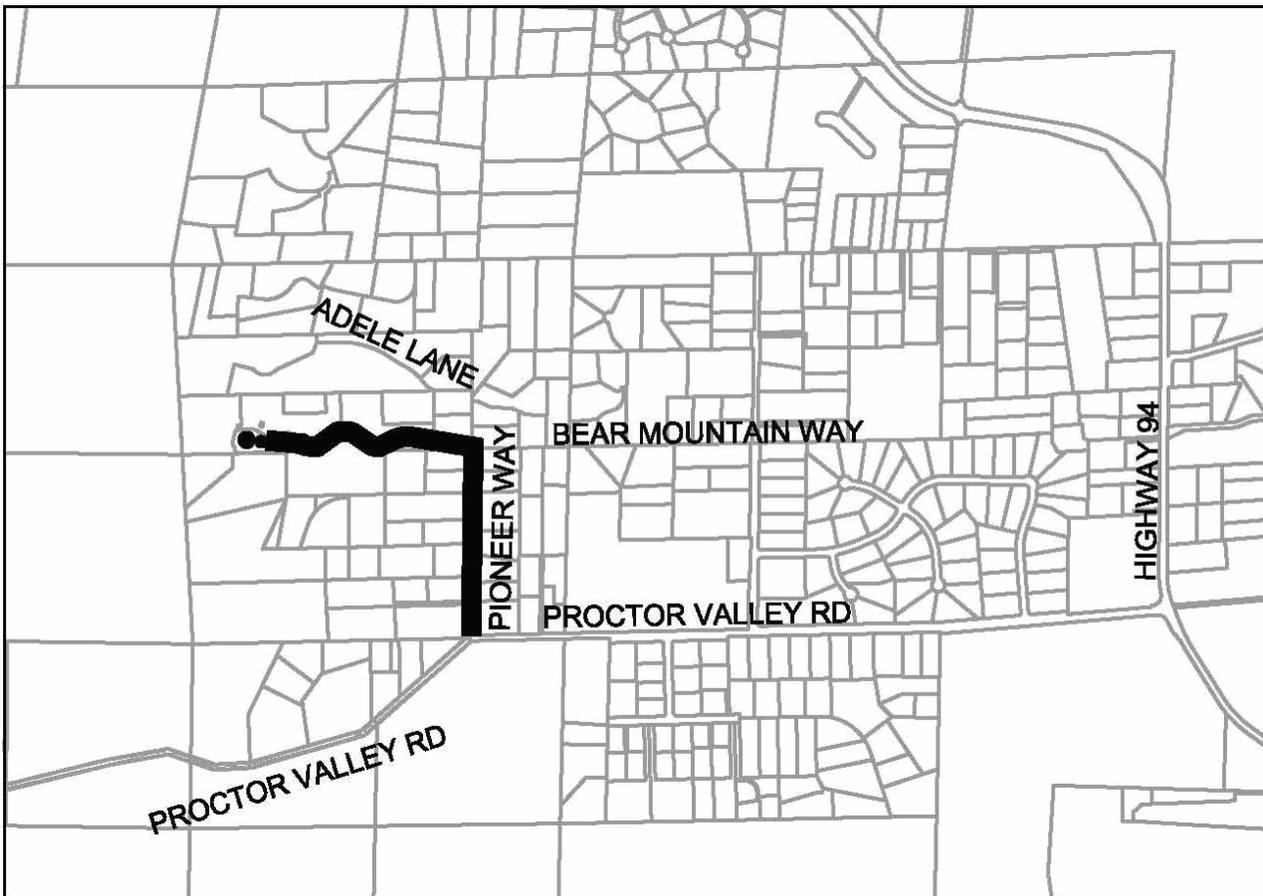
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	
				\$700	\$700	\$1,400

PROJECT LOCATION:

Thomas Bros. Map: 1292

OWD Map Book: 204



Submitted By: Ron Ripperger

Date: 02/22/2009

**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: P2185, P2370	PRIORITY: 2
	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	2010	2011	2012	2013	2014	2015	TOTAL
\$70	\$1	\$99	\$230	\$200			\$600

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2318

PROJECT SCHEDULE:

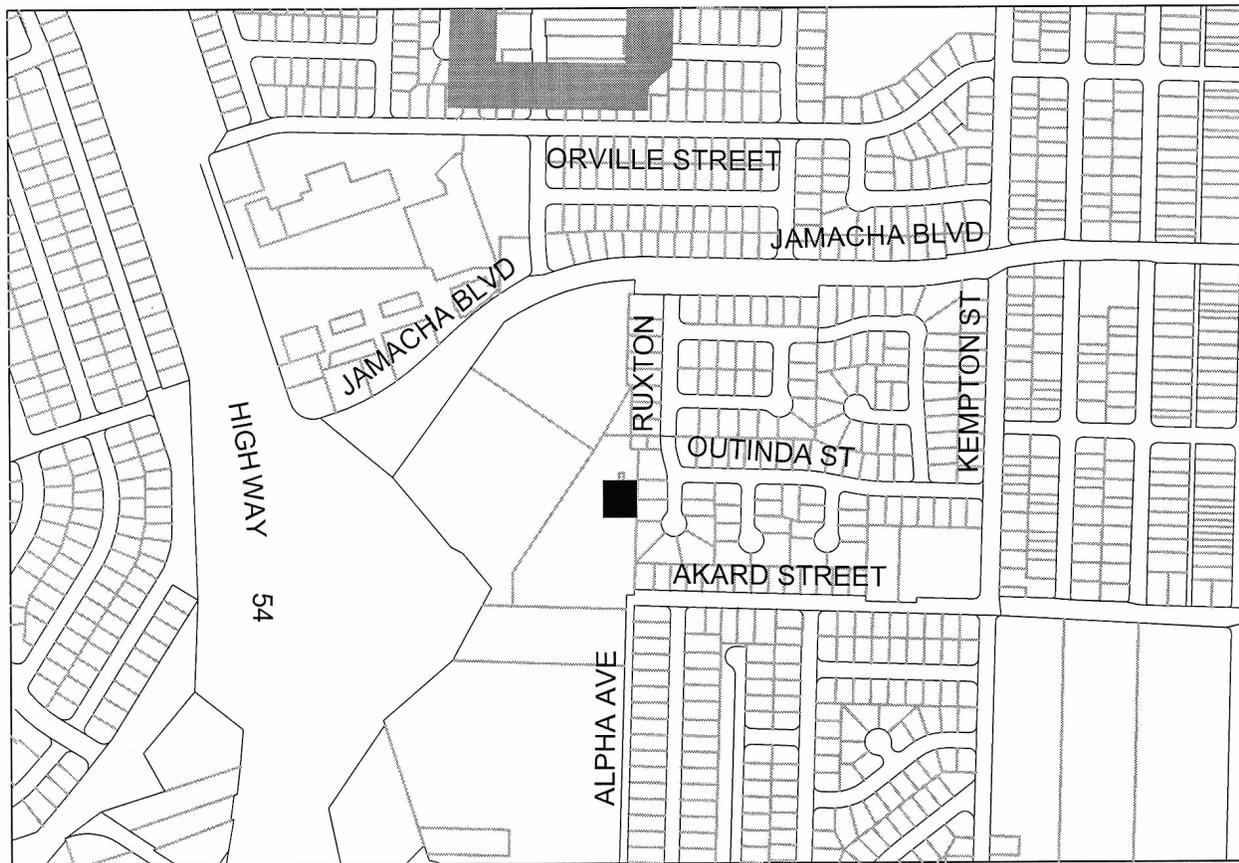
PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	11/97	11/07	\$24
DESIGN:	01/11	12/12	\$66
CONSTRUCTION:	01/13	06/13	\$510

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	
				\$100	\$100	\$200

PROJECT LOCATION: Thomas Bros. Map: 1291

OWD Map Book: 198



Submitted By: Bob Kennedy

Date: 02/19/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2387

PROJECT TITLE: PL - 12-Inch, 832 Zone, Steele Canyon Road - Via Caliente/Campo

PROJECT MANAGER:	Kay	DIRECTOR DIVISION:	5
ORIGINAL APPROVED DATE:	6/5/2002	I.D. LOCATION:	20
RELATED CIP PROJECTS:		PRIORITY:	1
		BUDGET AMOUNT:	\$440,000

DESCRIPTION OF PROJECT:

Replacement of the existing 12-inch pipeline along Steele Canyon Road with approximately 1,800 feet of 12-inch main within the 832 Pressure Zone.

JUSTIFICATION OF PROJECT:

The existing pipeline is within front yards of several homes and it poses a potential threat to cause significant property damage.

COMMENTS:

FUND DETAIL:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
I.D. 2		100%		100%
TOTAL:		100%		100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2010	2011	2012	2013	2014	2015	TOTAL
\$425	\$15						\$440

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2387

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/05	08/06	\$18
DESIGN:	09/06	03/08	\$48
CONSTRUCTION:	04/08	08/09	\$374

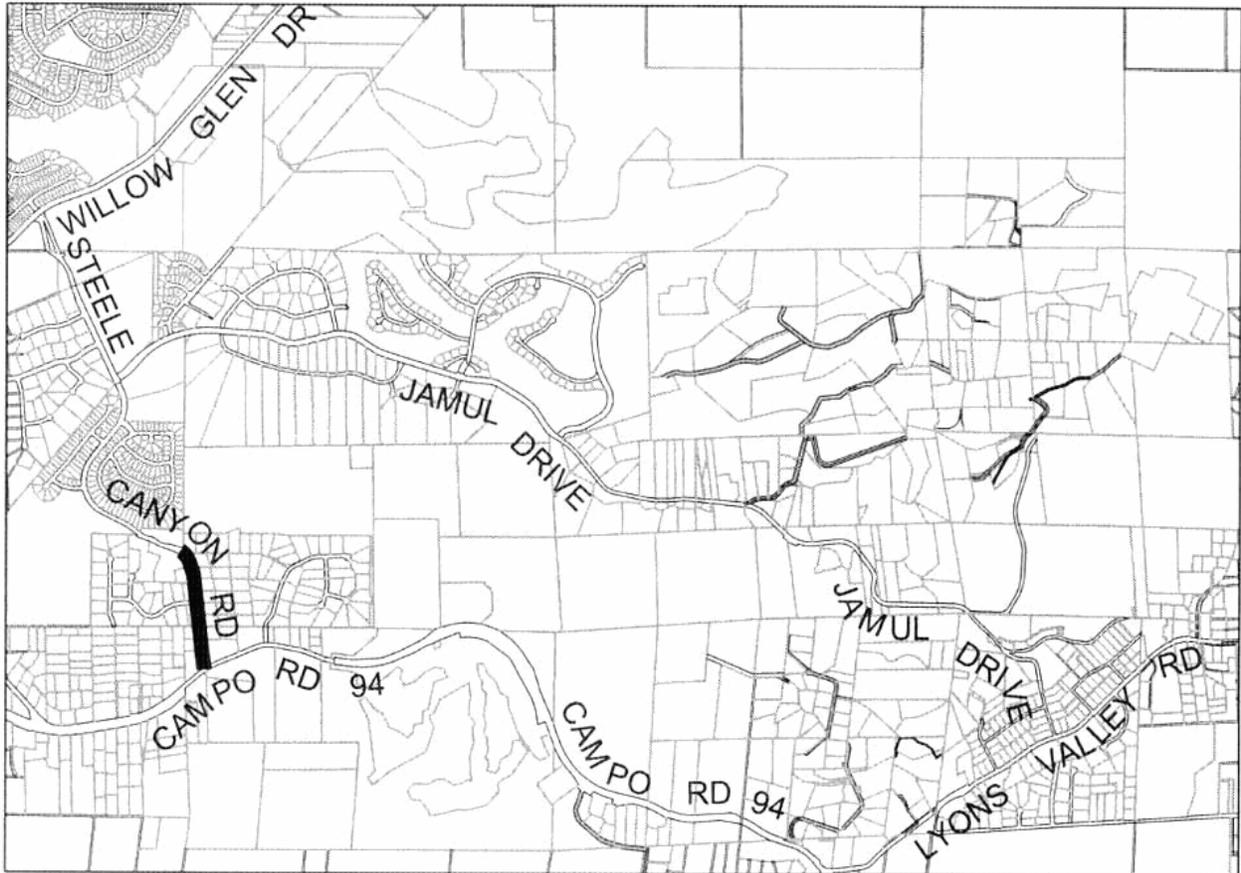
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015		
\$500	\$600	\$600	\$600	\$600	\$600	\$600	\$3,500

PROJECT LOCATION:

Thomas Bros. Map: 1272

OWD Map Book: 321



Submitted By: Daniel Kay

Date: 02/22/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2391

PROJECT TITLE: PS - Perdue WTP Pump Station (5 MGD)

PROJECT MANAGER: Ripperger	DIRECTOR DIVISION: 3
ORIGINAL APPROVED DATE:	I.D. LOCATION: 1
RELATED CIP PROJECTS: P2010	PRIORITY: 1
	BUDGET AMOUNT: \$5,200,000

DESCRIPTION OF PROJECT:

Construction of at least a 5 million gallons per day pump station 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	2010	2011	2012	2013	2014	2015	TOTAL
	\$200	\$300	\$2,700	\$2,000			\$5,200

**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	06/11	\$208
DESIGN:	07/11	06/12	\$572
CONSTRUCTION:	07/12	06/13	\$4,420

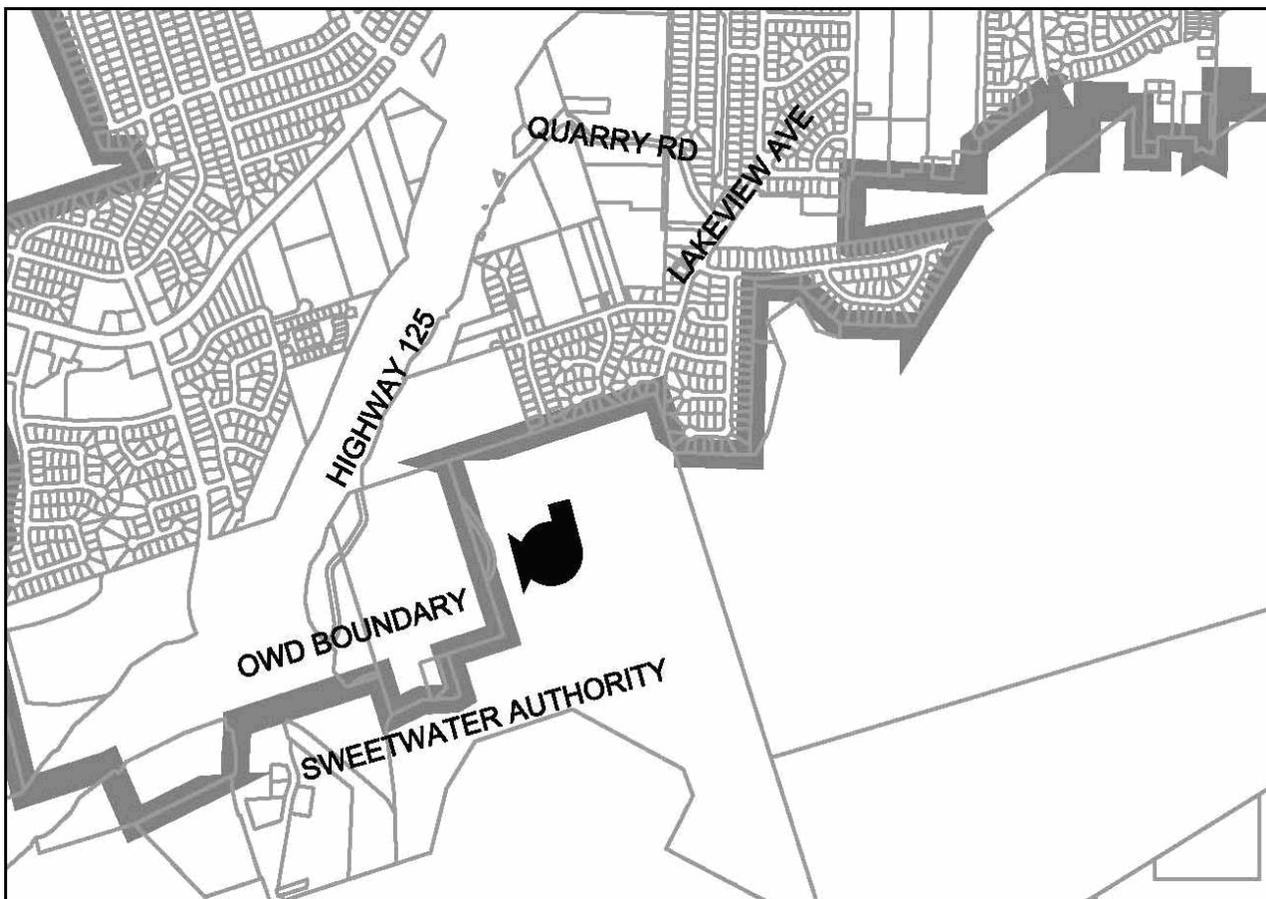
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	
				\$51,800	\$53,400	\$105,200

PROJECT LOCATION:

Thomas Bros. Map: 1291

OWD Map Book: 184



Submitted By: Ron Ripperger

Date: 02/22/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2430

PROJECT TITLE: PL - 30-Inch, 980 Zone, Proctor Valley Road - PB Bndy/Proctor Valley PS

PROJECT MANAGER: Ripperger	DIRECTOR DIVISION: 4
ORIGINAL APPROVED DATE:	I.D. LOCATION: 22
RELATED CIP PROJECTS: P2181, P2203, P2204	PRIORITY: 1
	BUDGET AMOUNT: \$5,200,000

DESCRIPTION OF PROJECT:

Construction of a 30-inch pipeline in Proctor Valley Road from the existing pipeline at the Pacific Bay Homes project to the proposed Proctor Valley Pump Station.

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	2010	2011	2012	2013	2014	2015	TOTAL
	\$150	\$450	\$2,400	\$2,200			\$5,200

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2430

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	01/10	06/11	\$208
DESIGN:	07/11	06/12	\$572
CONSTRUCTION:	07/12	06/13	\$4,420

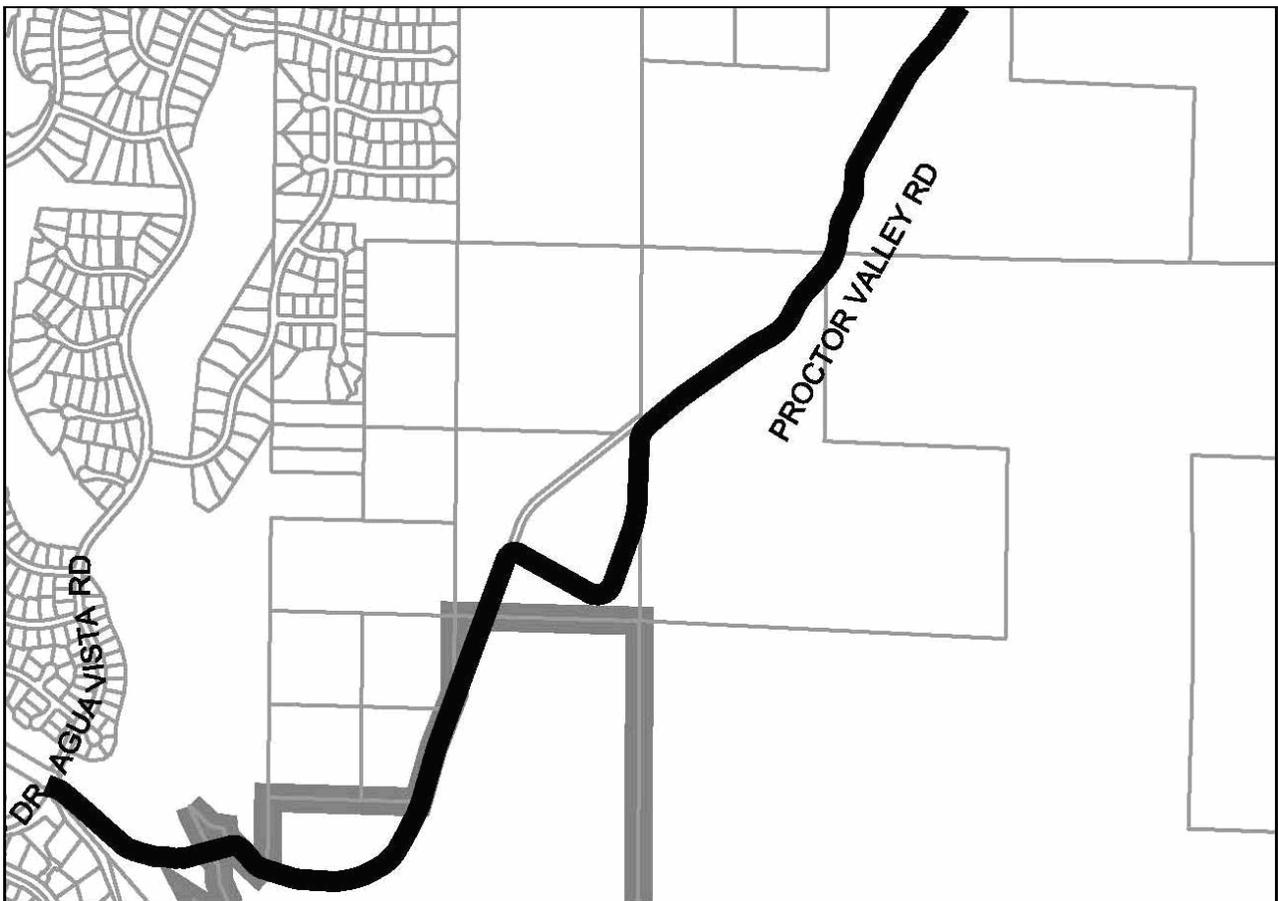
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	
				\$2,700	\$2,800	\$5,500

PROJECT LOCATION:

Thomas Bros. Map: 1293

OWD Map Book: 161



Submitted By: Ron Ripperger

Date: 02/22/2009

**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:	I.D. LOCATION: 2
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$3,650,000

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%. Funding opportunity is the American Recovery and Reinvestment Act of 2009 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
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	2010	2011	2012	2013	2014	2015	TOTAL
\$552	\$1,450	\$1,648					\$3,650

**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	06/11	\$3,102

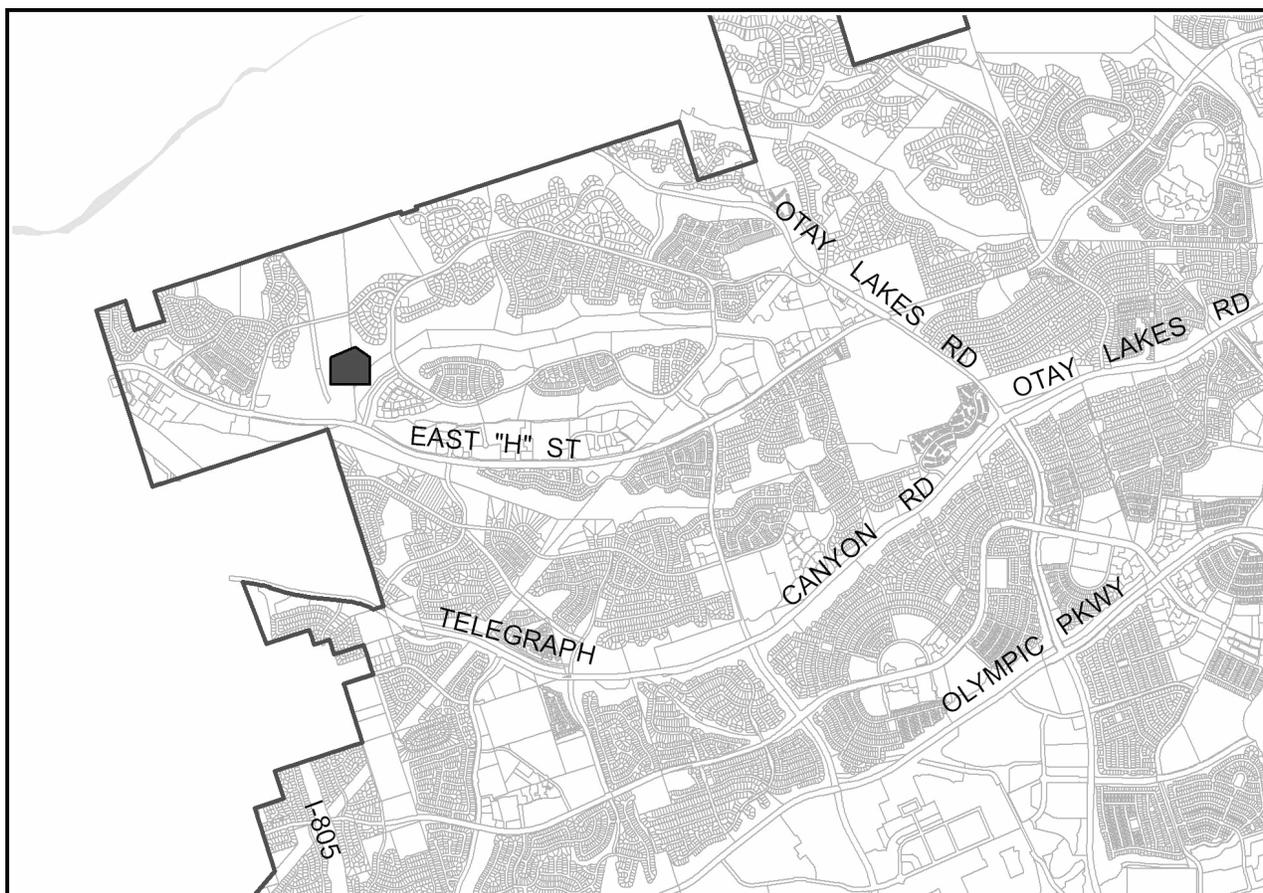
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

| FY |
|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | TOTAL |
| | | \$5,700 | \$5,900 | \$6,100 | \$6,300 | \$24,000 |

PROJECT LOCATION:

Thomas Bros. Map: 1310

OWD Map Book: 127



Submitted By: Jim Peasley

Date: 02/13/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2450

PROJECT TITLE: Otay River Groundwater Well Demineralization Project

PROJECT MANAGER: Peasley	DIRECTOR DIVISION: District Wide
ORIGINAL APPROVED DATE: 5/23/2006	I.D. LOCATION: District Wide
RELATED CIP PROJECTS: P2467	PRIORITY: 1
	BUDGET AMOUNT: \$11,030,000

DESCRIPTION OF PROJECT:

The Sweetwater Authority and Otay WD are investigating the possibility to develop a brackish water demineralization facility within the Otay River to produce say 5 million gallons per day of potable water.

JUSTIFICATION OF PROJECT:

This project will provide for a level of water supply independence from San Diego County Water Authority.

COMMENTS:

The Sweetwater Authority was awarded a Proposition 50 grant to help pay for 50% of the cost of the feasibility study. 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 South San Diego County Water Supply Strategy and DWR Proposition 50 Grant Funds Chapter 6(a) Desalination Grant.

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	2010	2011	2012	2013	2014	2015	TOTAL
\$10	\$20	\$100	\$500	\$1,000	\$5,000	\$4,400	\$11,030

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2450

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/07	12/11	\$441
DESIGN:	01/12	06/13	\$1,213
CONSTRUCTION:	07/13	06/15	\$9,376

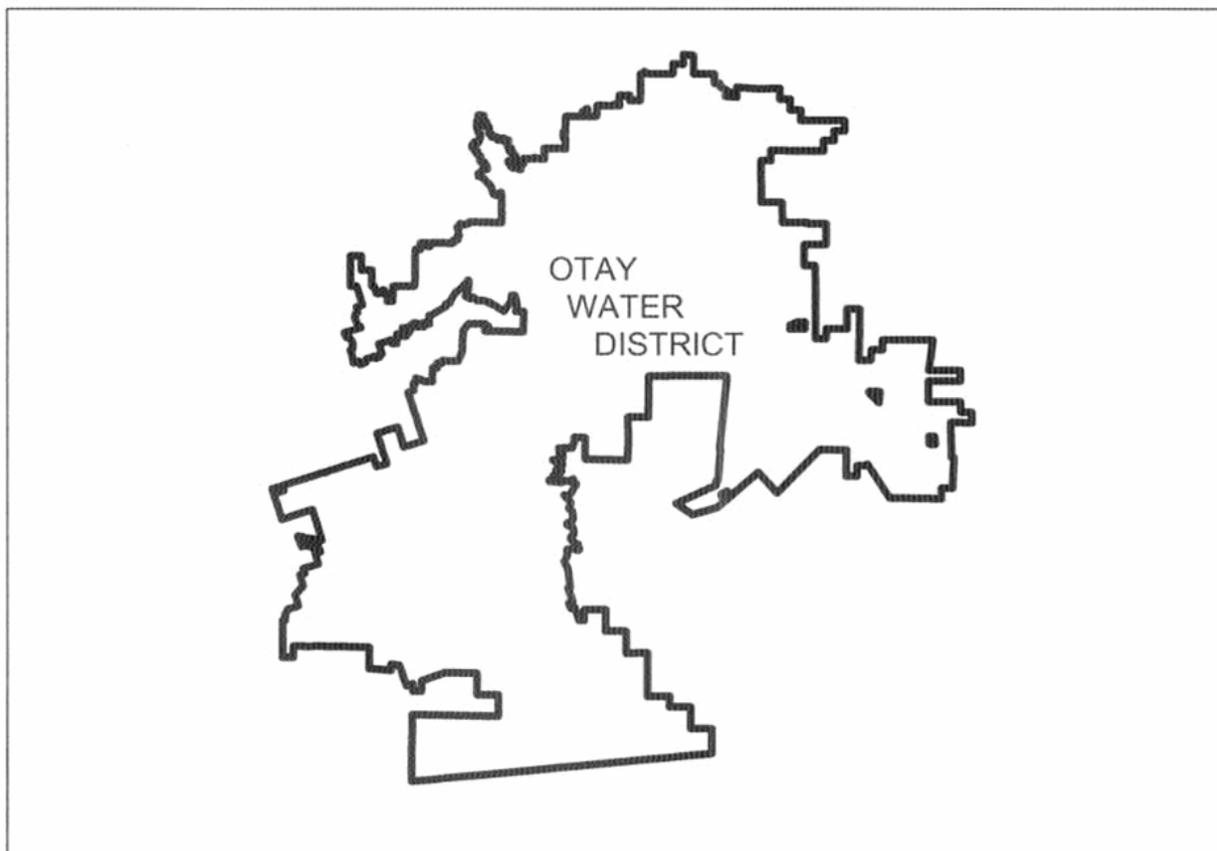
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: District Wide

OWD Map Book: District Wide



Submitted By: Jim Peasley

Date: 02/13/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2451

PROJECT TITLE: Rosarito Desalination Facility Conveyance System

PROJECT MANAGER: Peasley	DIRECTOR DIVISION: District Wide
ORIGINAL APPROVED DATE: 5/23/2006	I.D. LOCATION: District Wide
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$30,000,000

DESCRIPTION OF PROJECT:

The San Diego Region could potentially receive a potable water supply source from the planned Rosarito Desalination Facility via a conveyance system or an exchange arrangement.

JUSTIFICATION OF PROJECT:

The conveyance system or exchange concept could provide for a independent water source to the San Diego County Region.

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	2010	2011	2012	2013	2014	2015	TOTAL
\$200	\$500	\$850	\$12,000	\$14,000	\$2,450		\$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

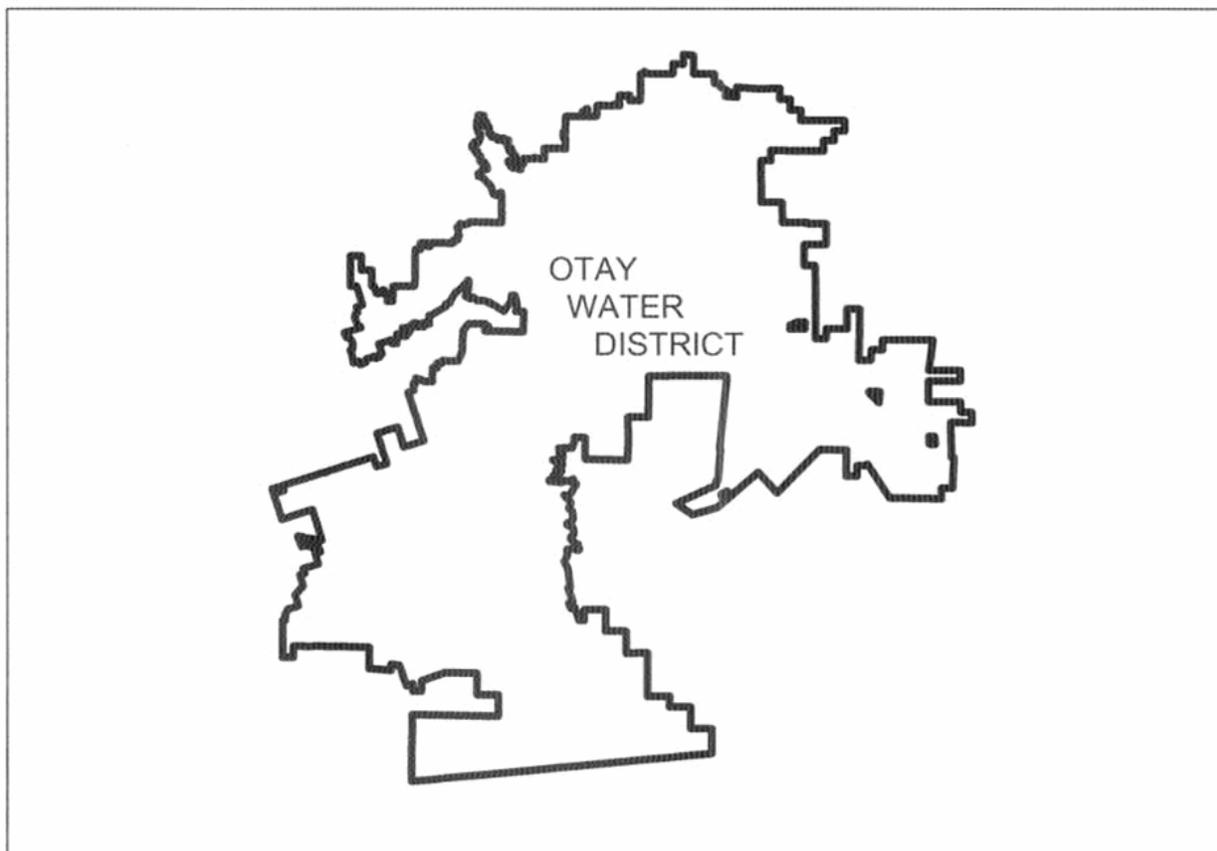
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	
					\$3,400	\$3,400

PROJECT LOCATION:

Thomas Bros. Map: District Wide

OWD Map Book: District Wide



Submitted By: Jim Peasley

Date: 02/13/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2465

PROJECT TITLE: Regulatory Site Material Storage Bins

PROJECT MANAGER: Kay	DIRECTOR DIVISION: 5
ORIGINAL APPROVED DATE: 5/29/2007	I.D. LOCATION: 20
RELATED CIP PROJECTS: P2185	PRIORITY: 1
	BUDGET AMOUNT: \$310,000

DESCRIPTION OF PROJECT:

This project is to install material storage bins at the Regulatory Site.

JUSTIFICATION OF PROJECT:

The material storage bins will improve the efficiency of the Otay WD operations for their installation and construction efforts.

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	2010	2011	2012	2013	2014	2015	TOTAL
\$300	\$10						\$310

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2465

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/07	09/07	\$2
DESIGN:	10/07	08/08	\$8
CONSTRUCTION:	09/08	06/10	\$300

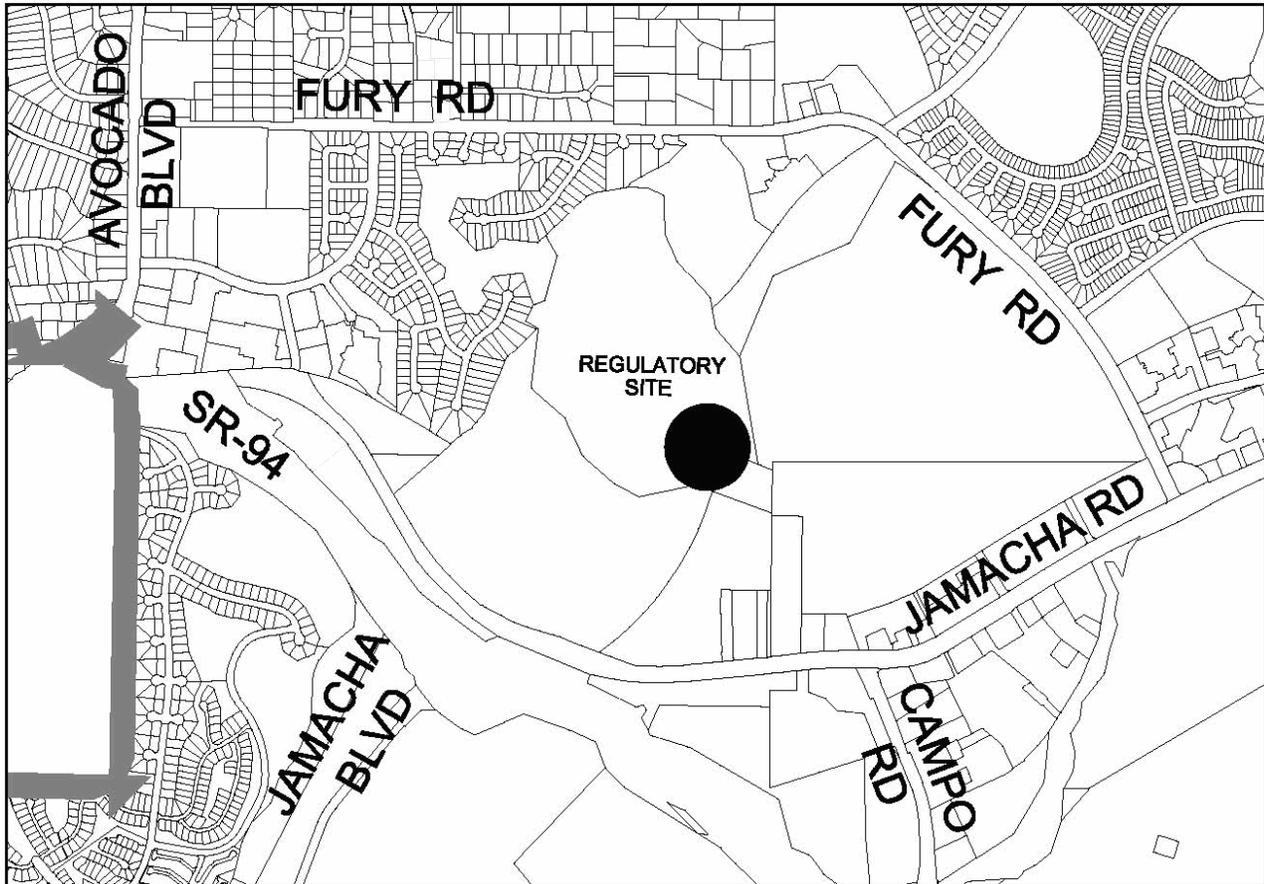
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1271

OWD Map Book: 343



Submitted By: Daniel Kay

Date: 02/27/2009

**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:	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:

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	2010	2011	2012	2013	2014	2015	TOTAL
\$102	\$90	\$60					\$252

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2466

PROJECT SCHEDULE:

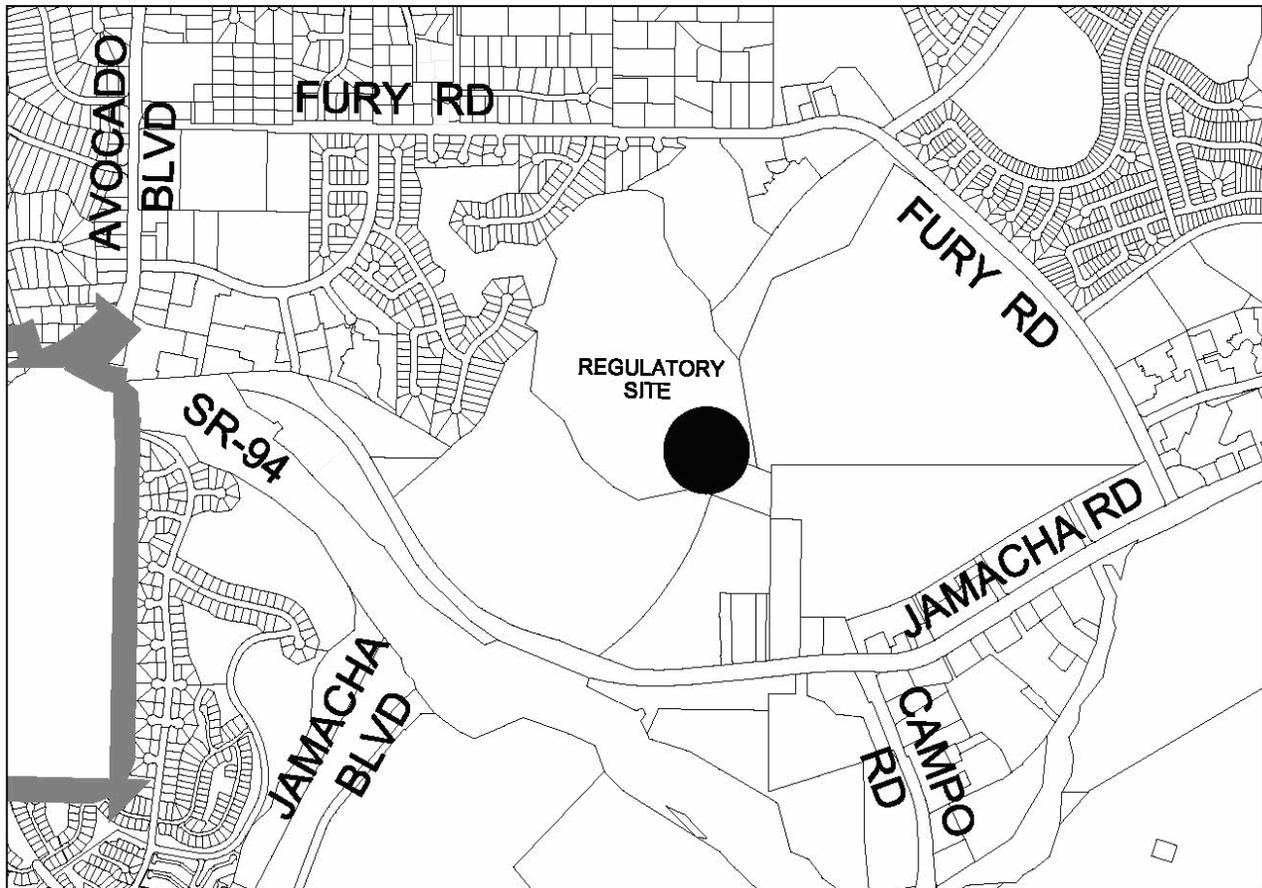
PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	08/06	06/07	\$252
DESIGN:	07/07	06/09	
CONSTRUCTION:	07/09	06/11	

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION: Thomas Bros. Map: 1271

OWD Map Book: 343



Submitted By: Lisa Coburn-Boyd

Date: 02/22/2009

**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	2010	2011	2012	2013	2014	2015	TOTAL
\$600	\$600	\$600					\$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	06/11	\$1,800
DESIGN:			
CONSTRUCTION:			

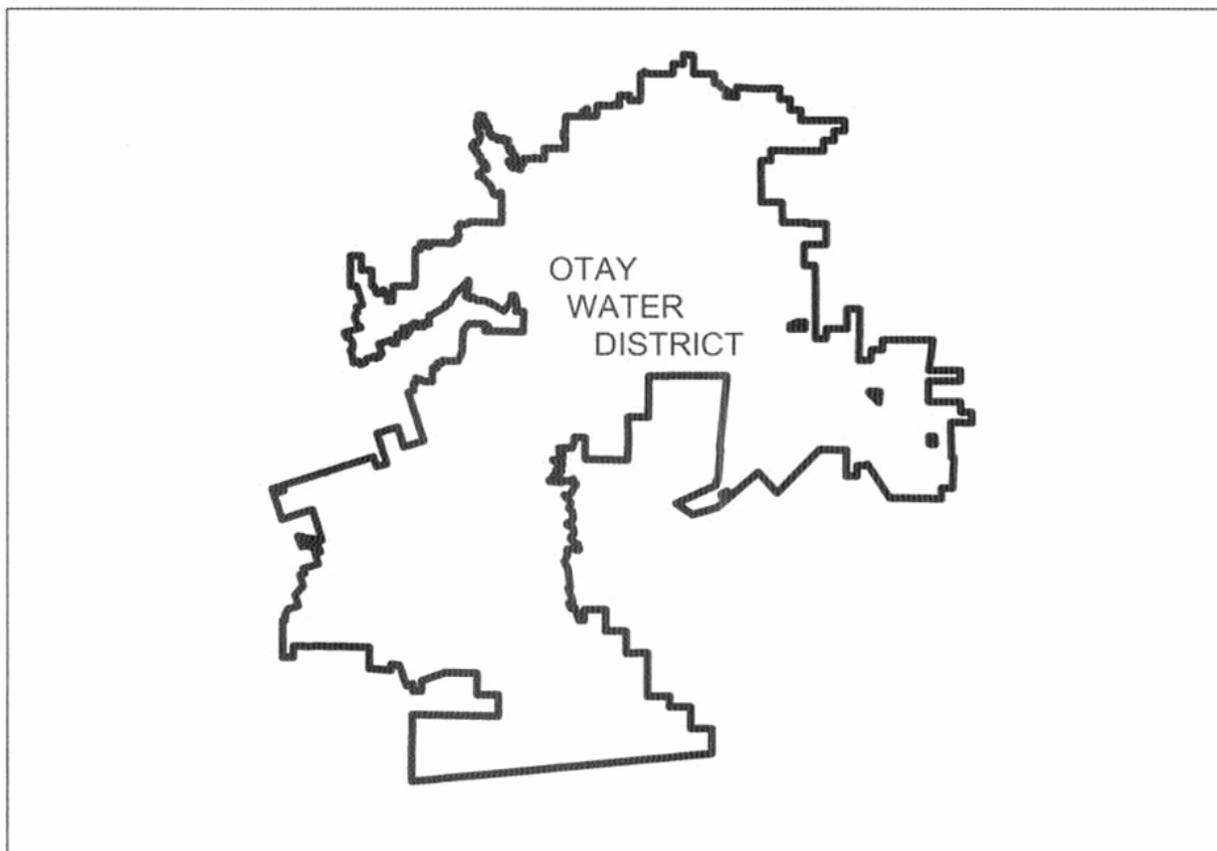
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: District Wide

OWD Map Book: District Wide



Submitted By: Jim Peasley

Date: 02/13/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2471

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

PROJECT MANAGER: Kennedy	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	2010	2011	2012	2013	2014	2015	TOTAL
\$5	\$80	\$225					\$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

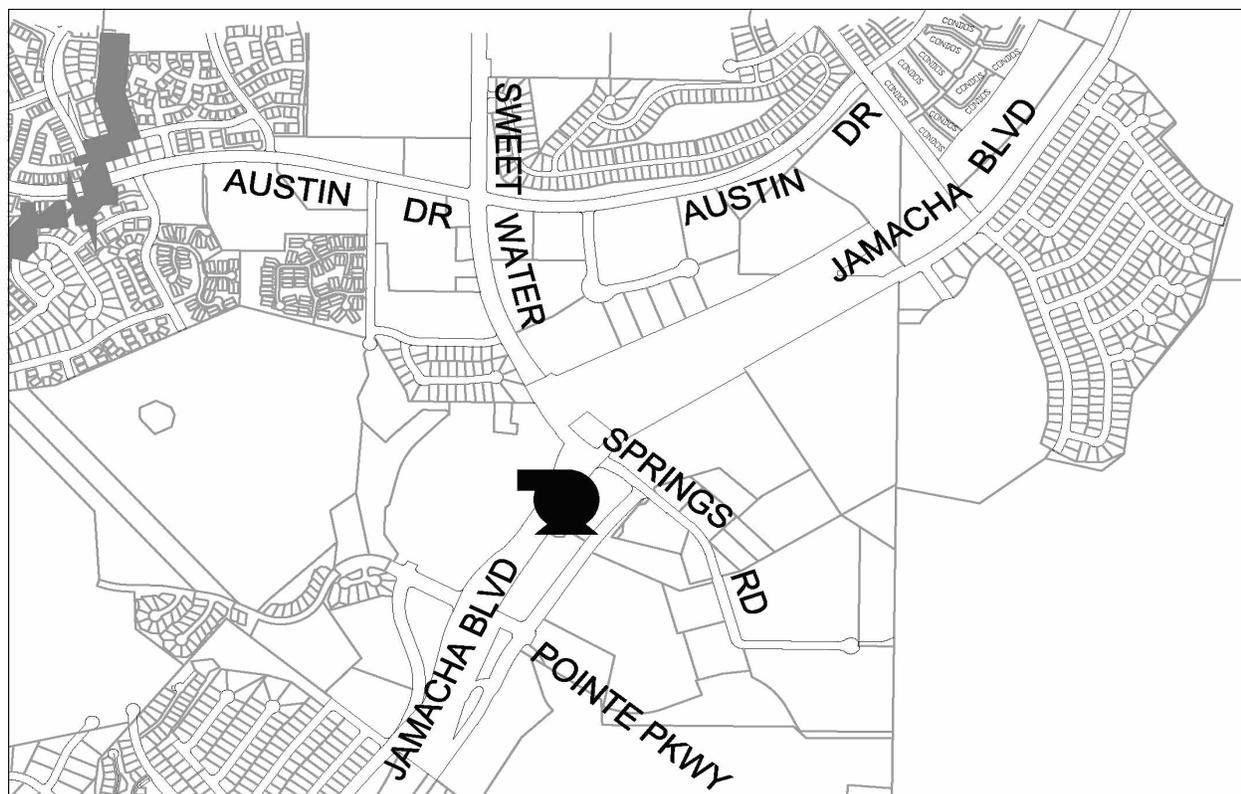
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1291

OWD Map Book: 317



Submitted By: Bob Kennedy

Date: 03/04/2009

**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	2010	2011	2012	2013	2014	2015	TOTAL
\$25	\$150						\$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	06/10	\$175
DESIGN:			
CONSTRUCTION:			

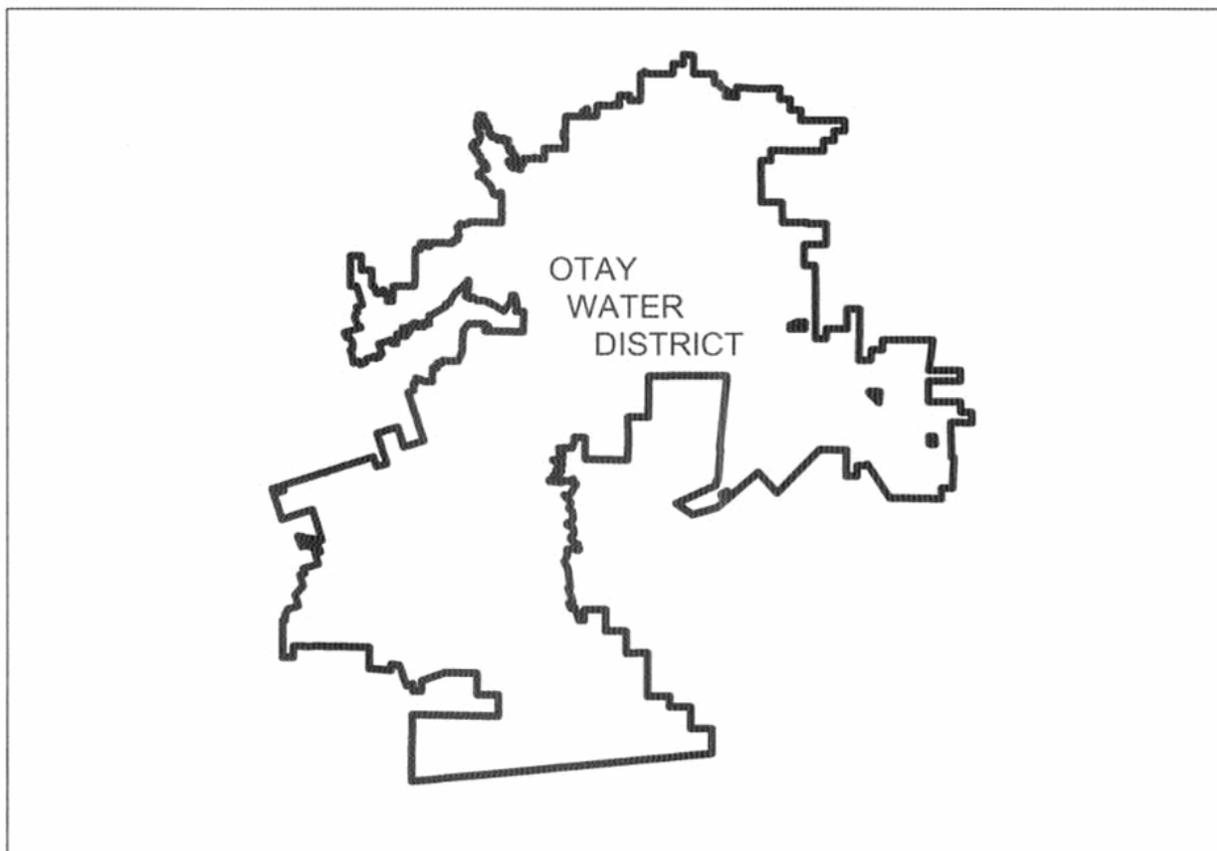
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: District Wide

OWD Map Book: District Wide



Submitted By: Jim Peasley

Date: 02/13/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2473

PROJECT TITLE: PS - 711-1 Pump Station Improvement

PROJECT MANAGER: Kennedy	DIRECTOR DIVISION: 1
ORIGINAL APPROVED DATE: 6/23/2008	I.D. LOCATION: 22
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$425,000

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	2010	2011	2012	2013	2014	2015	TOTAL
\$50	\$325	\$50					\$425

**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	06/11	\$361

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1311

OWD Map Book: 114



Submitted By: Bob Kennedy

Date: 02/22/2009

**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: \$125,000

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.

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	2010	2011	2012	2013	2014	2015	TOTAL
\$25	\$100						\$125

**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	\$14
CONSTRUCTION:	01/10	06/10	\$106

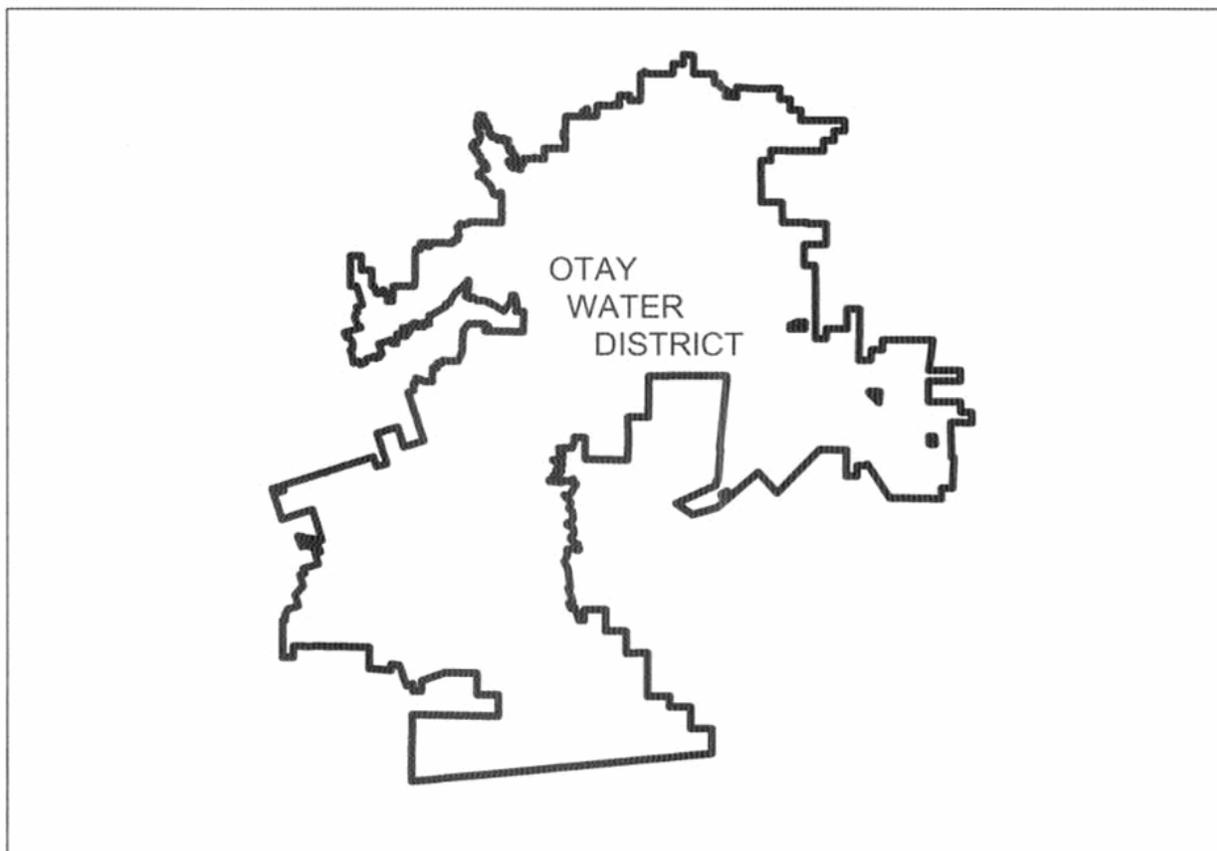
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: District Wide

OWD Map Book: District Wide



Submitted By: Bob Kennedy

Date: 02/19/2009

**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: \$50,000

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	2010	2011	2012	2013	2014	2015	TOTAL
\$10	\$40						\$50

**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:			\$2
DESIGN:	04/09	08/09	
CONSTRUCTION:	09/09	06/10	\$48

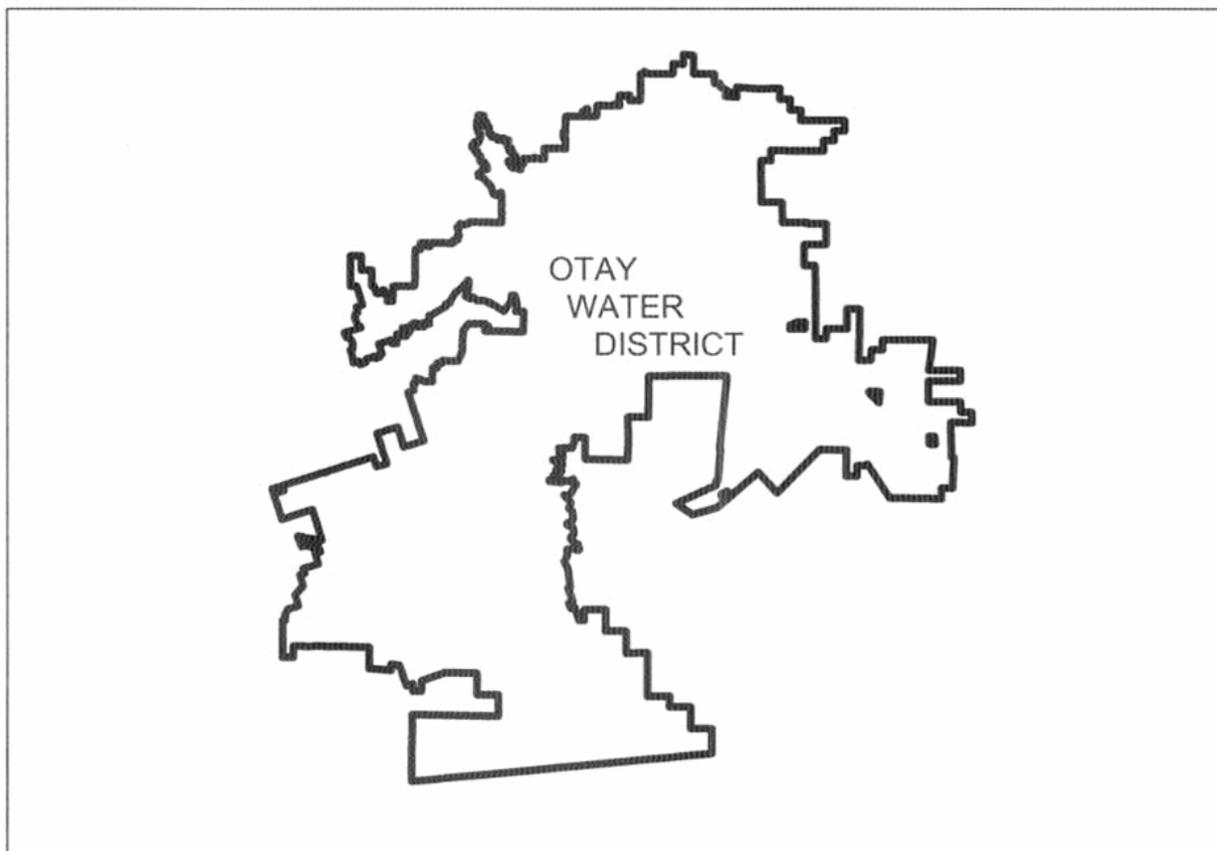
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	
						\$0.00

PROJECT LOCATION:

Thomas Bros. Map: District Wide

OWD Map Book: District Wide



Submitted By: Bob Kennedy

Date: 02/22/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2481

PROJECT TITLE: Middle Sweetwater River Basin Groundwater Well System

PROJECT MANAGER: Peasley	DIRECTOR DIVISION: 5
ORIGINAL APPROVED DATE:	I.D. LOCATION: 20
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$8,000,000

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%. Funding opportunity is the American Recovery and Reinvestment Act of 2009 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
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	2010	2011	2012	2013	2014	2015	TOTAL
\$1,000	\$1,000	\$2,000	\$4,000				\$8,000

**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	\$320
DESIGN:	01/11	12/11	\$880
CONSTRUCTION:	01/12	06/12	\$6,800

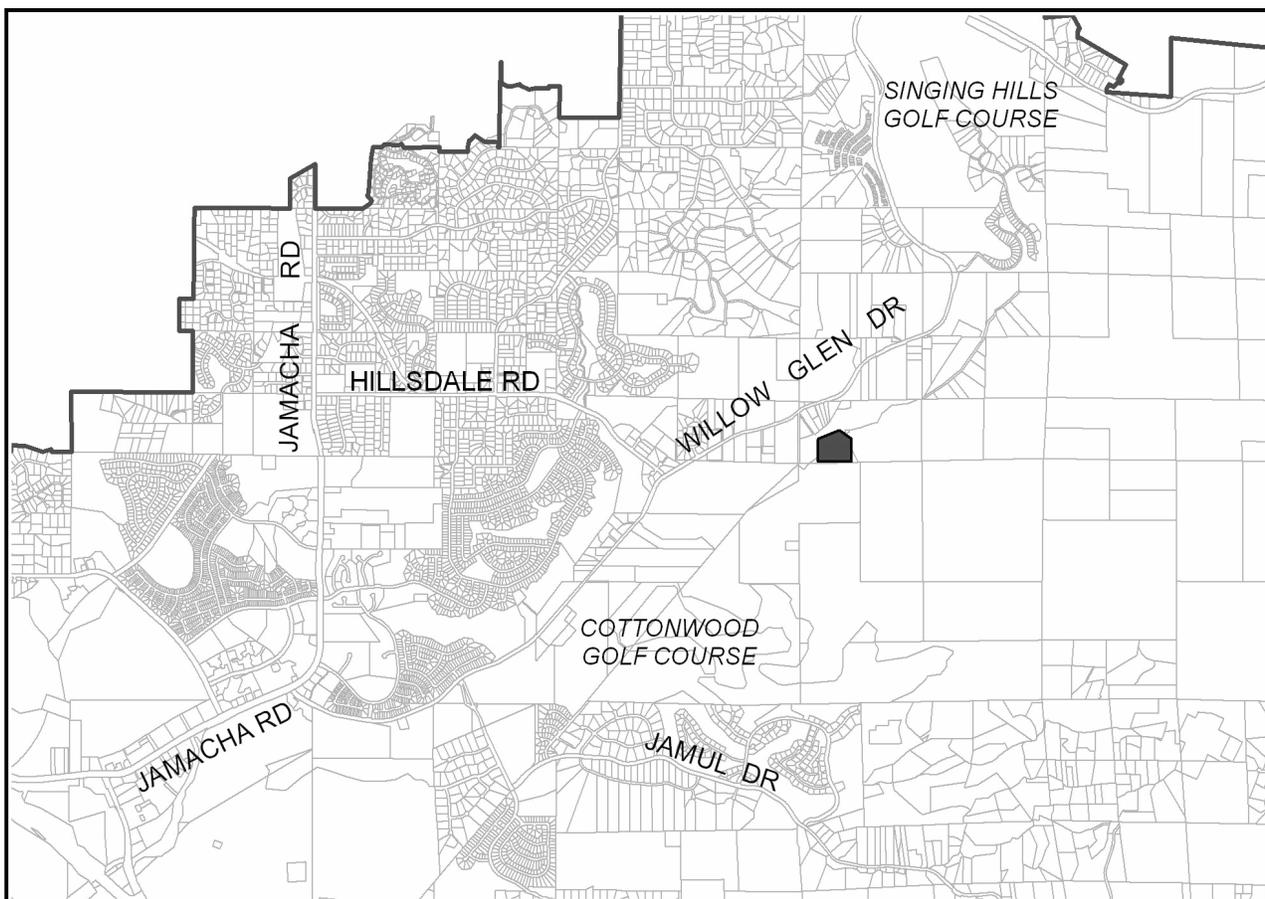
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

| FY |
|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | TOTAL |
| | | | \$9,700 | \$10,000 | \$10,300 | \$30,000 |

PROJECT LOCATION:

Thomas Bros. Map: 1272

OWD Map Book: 357



Submitted By: Jim Peasley

Date: 02/13/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2482

PROJECT TITLE: Otay Mesa Lot 7 Groundwater Well System

PROJECT MANAGER: Peasley	DIRECTOR DIVISION: 2
ORIGINAL APPROVED DATE:	I.D. LOCATION: 7
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$3,200,000

DESCRIPTION OF PROJECT:

Production well development of approximately 300 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	2010	2011	2012	2013	2014	2015	TOTAL
\$150	\$150	\$1,700	\$1,200				\$3,200

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2482

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/08	12/10	\$128
DESIGN:	01/11	12/11	\$352
CONSTRUCTION:	01/12	06/12	\$2,720

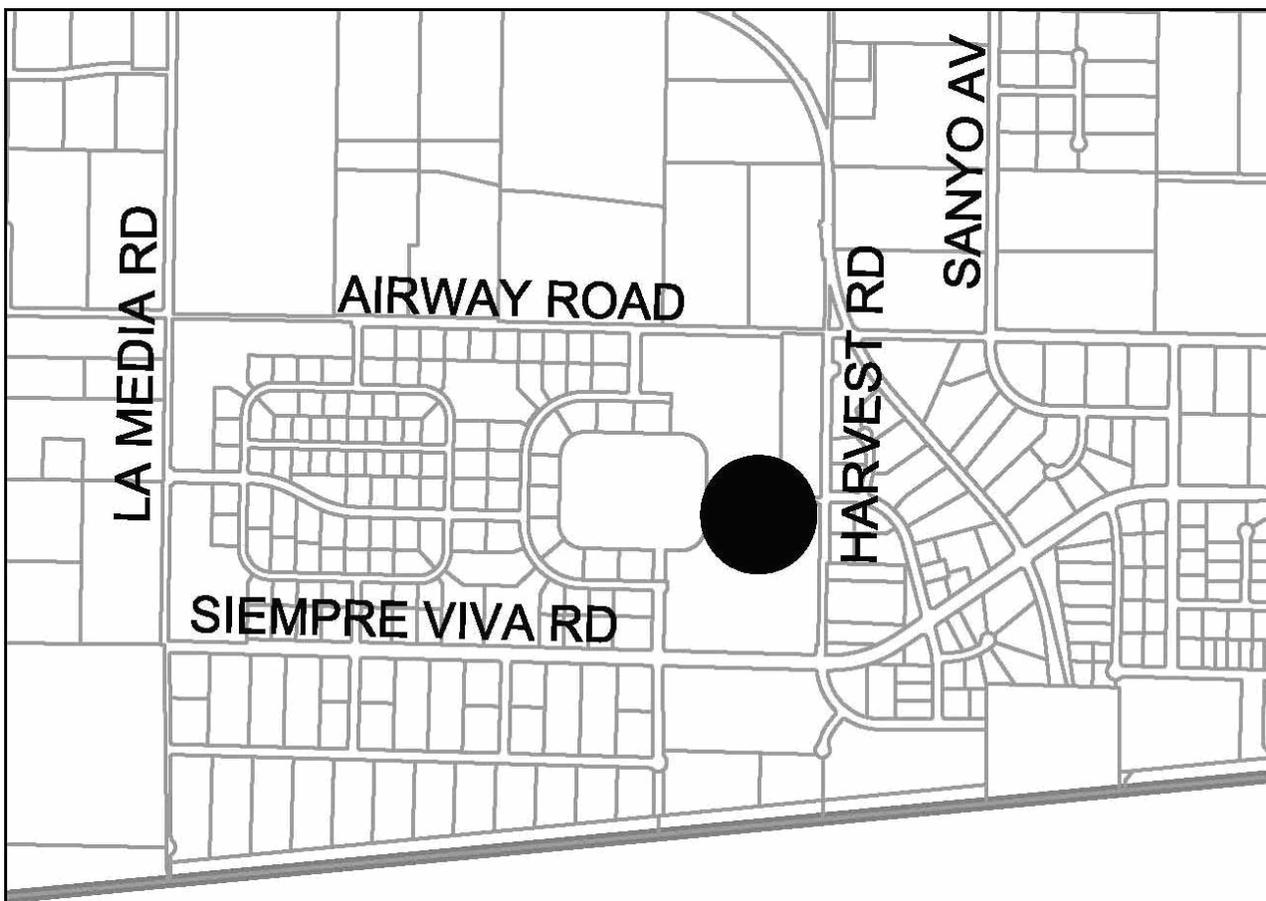
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	
			\$3,200	\$3,300	\$3,400	\$9,900

PROJECT LOCATION:

Thomas Bros. Map: 1351

OWD Map Book: 12



Submitted By: Jim Peasley

Date: 02/13/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2487

PROJECT TITLE: Sir Francis Helix and Otay Valley Cal American Agency Interconnections

PROJECT MANAGER: Kay	DIRECTOR DIVISION: District Wide
ORIGINAL APPROVED DATE:	I.D. LOCATION: District Wide
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$250,000

DESCRIPTION OF PROJECT:

This project will provide funding to improve the existing interconnections with the Helix Water District located at Sir Frances Drake and with Cal-American at Otay Valley Road.

JUSTIFICATION OF PROJECT:

The existing interconnections play a vital role in supplying the Otay WD with alternative water resources during an outage or supply shortfall from the normal San Diego County Water Authority (SDCWA) facility, known as Pipeline No. 4. Typically on an annual basis, the SDCWA shuts down Pipeline No. 4 for inspection, maintenance, and/or installation of new system components.

COMMENTS:

This project will allow potable water to be transferred from the Helix Water District and Cal-American in an emergency.

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	2010	2011	2012	2013	2014	2015	TOTAL
\$50	\$200						\$250

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2487

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/08	08/08	\$10
DESIGN:	09/08	10/08	\$28
CONSTRUCTION:	11/08	11/09	\$212

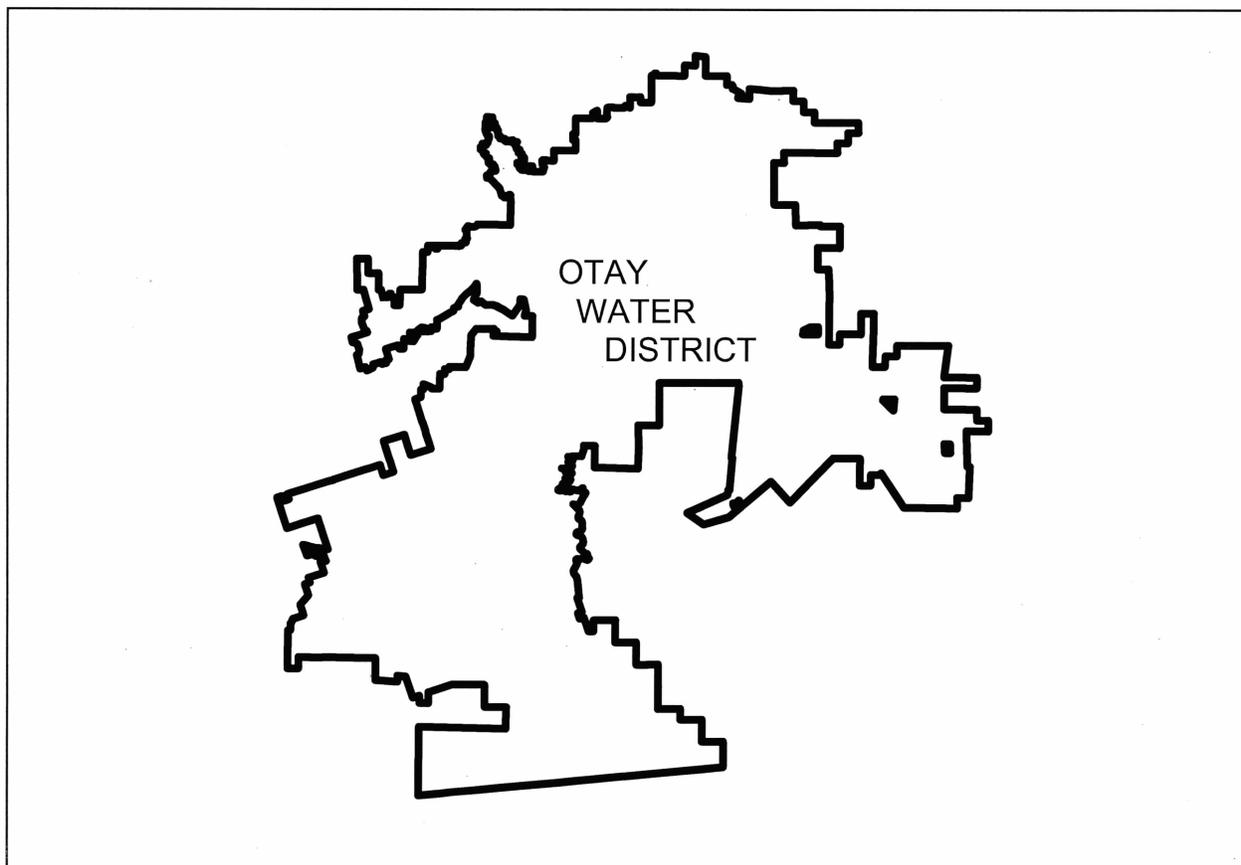
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: District Wide

OWD Map Book: District Wide



Submitted By: Daniel Kay

Date: 03/17/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2488

PROJECT TITLE: Del Rio Road Helix and Otay Agency Interconnection

PROJECT MANAGER: Kennedy	DIRECTOR DIVISION: 3
ORIGINAL APPROVED DATE:	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:

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	2010	2011	2012	2013	2014	2015	TOTAL
	\$25	\$125					\$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	06/11	\$127

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1271

OWD Map Book: 342



Submitted By: Bob Kennedy

Date: 03/17/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2489

PROJECT TITLE: Gillespie Drive Helix and Otay Agency Interconnection

PROJECT MANAGER: Kennedy	DIRECTOR DIVISION: 3
ORIGINAL APPROVED DATE:	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:

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	2010	2011	2012	2013	2014	2015	TOTAL
	\$25	\$125					\$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	06/11	\$127

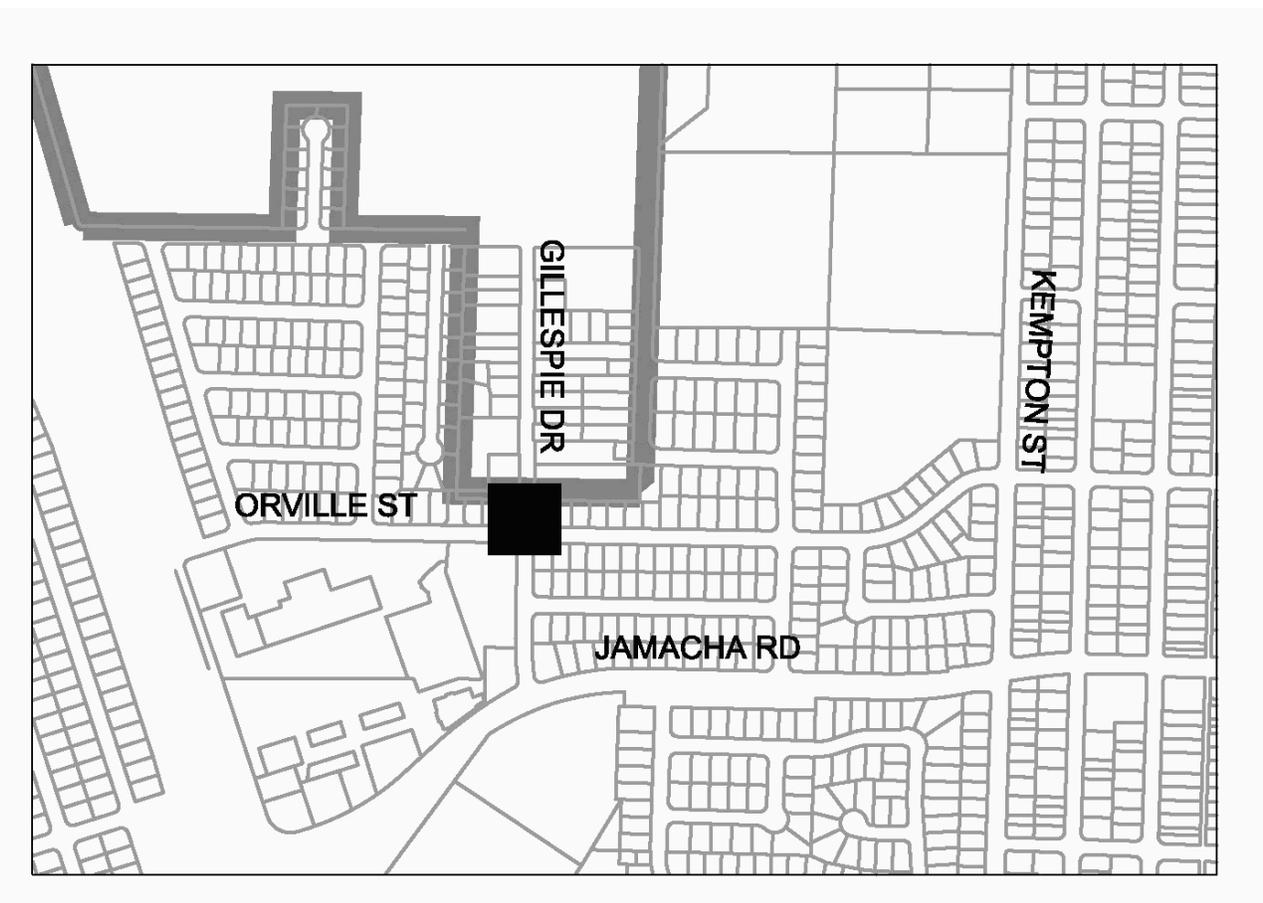
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1291

OWD Map Book: 302



Submitted By: Bob Kennedy

Date: 03/17/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2497

PROJECT TITLE: Solar Power Feasibility Study

PROJECT MANAGER: Kennedy	DIRECTOR DIVISION: 4
ORIGINAL APPROVED DATE:	I.D. LOCATION: 20
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$150,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

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

FUND DETAIL:

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	2010	2011	2012	2013	2014	2015	TOTAL
\$100	\$50						\$150

**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:	07/06	06/10	\$150
DESIGN:			
CONSTRUCTION:			

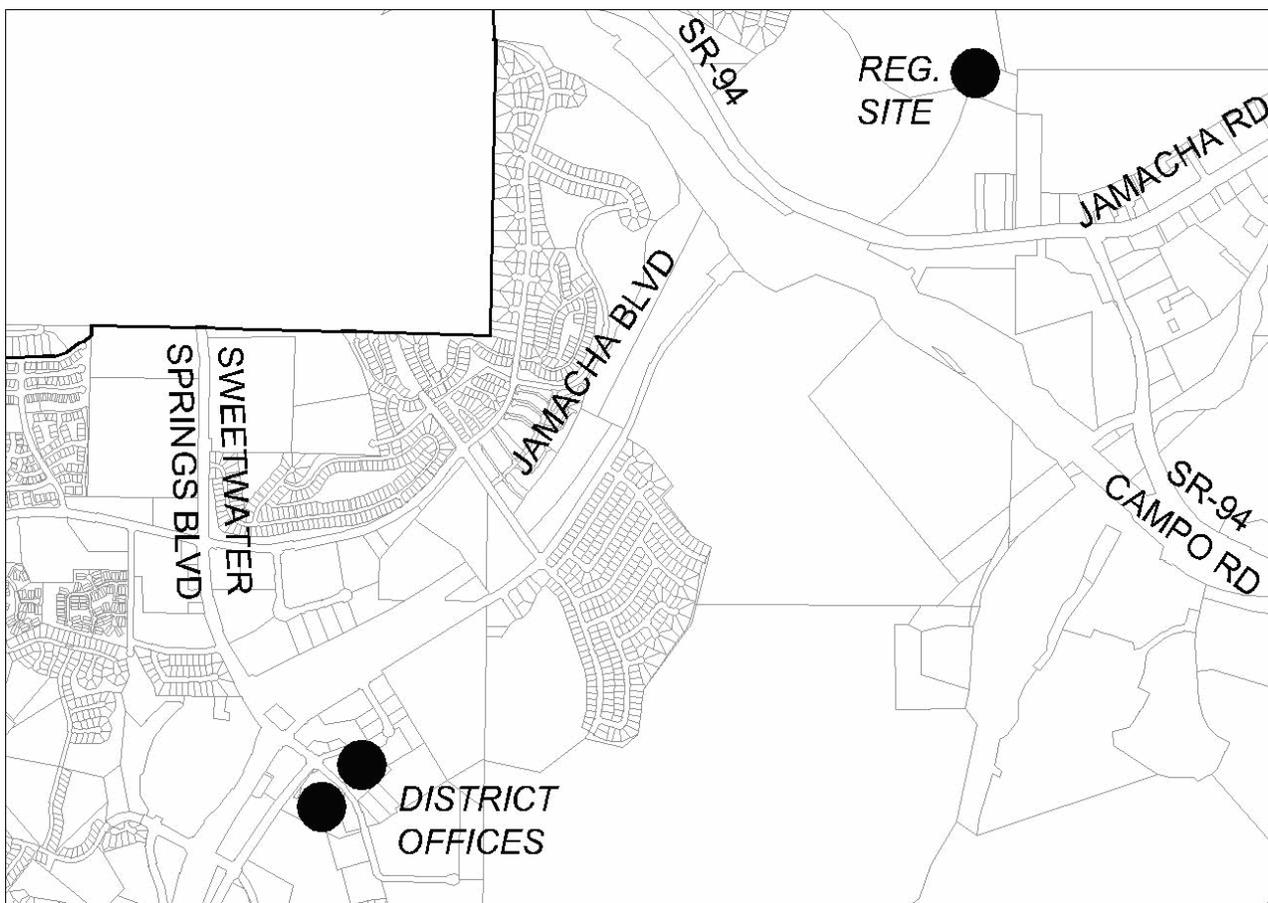
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1271

OWD Map Book: 318



Submitted By: Bob Kennedy

Date: 02/22/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2498

PROJECT TITLE: Brine Disposal Pipeline Otay River Demineralization Plant to South Bay Outfall

PROJECT MANAGER: Peasley	DIRECTOR DIVISION: -
ORIGINAL APPROVED DATE:	I.D. LOCATION: -
RELATED CIP PROJECTS: R2093, R2097	PRIORITY: 2
	BUDGET AMOUNT: \$5,600,000

DESCRIPTION OF PROJECT:

This project provides funding of a potential brine disposal pipeline in cooperation with Sweetwater Authority in conjunction with the Otay River Groundwater Desalination project and potentially the City of Chula Vista MBR 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%. Funding opportunity is the South San Diego County Water Supply Strategy.

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	2010	2011	2012	2013	2014	2015	TOTAL
	\$5	\$10	\$40	\$100	\$4,000	\$1,445	\$5,600

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2498

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	03/10	06/11	\$224
DESIGN:	07/11	03/14	\$616
CONSTRUCTION:	04/14	06/15	\$4,760

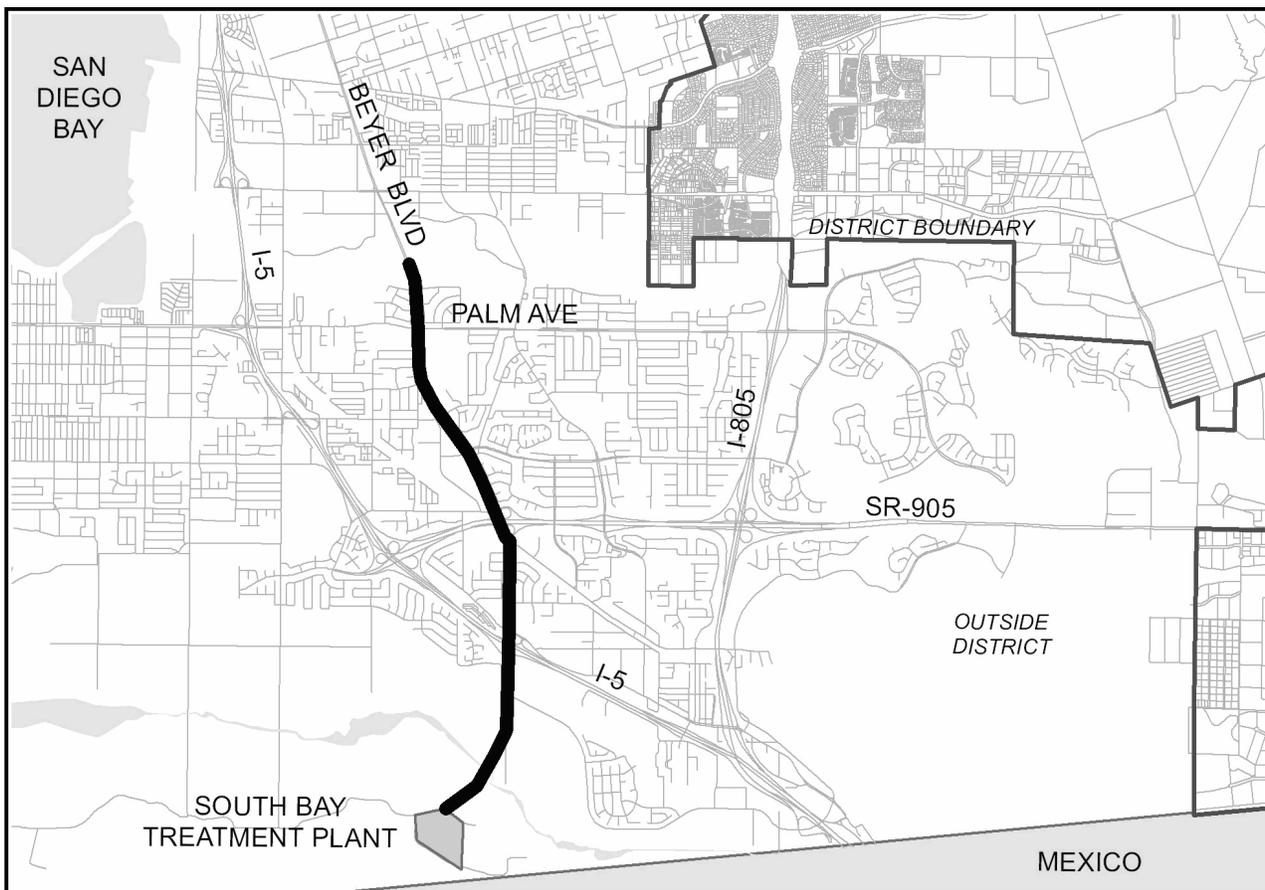
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1330

OWD Map Book: -



Submitted By: Jim Peasley

Date: 02/13/2009

**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: \$2,000,000

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 American Recovery and Reinvestment Act of 2009 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
General Fund	100%			100%
TOTAL:	100%			100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2010	2011	2012	2013	2014	2015	TOTAL
\$10	\$150	\$250	\$1,500	\$90			\$2,000

**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	\$1,700

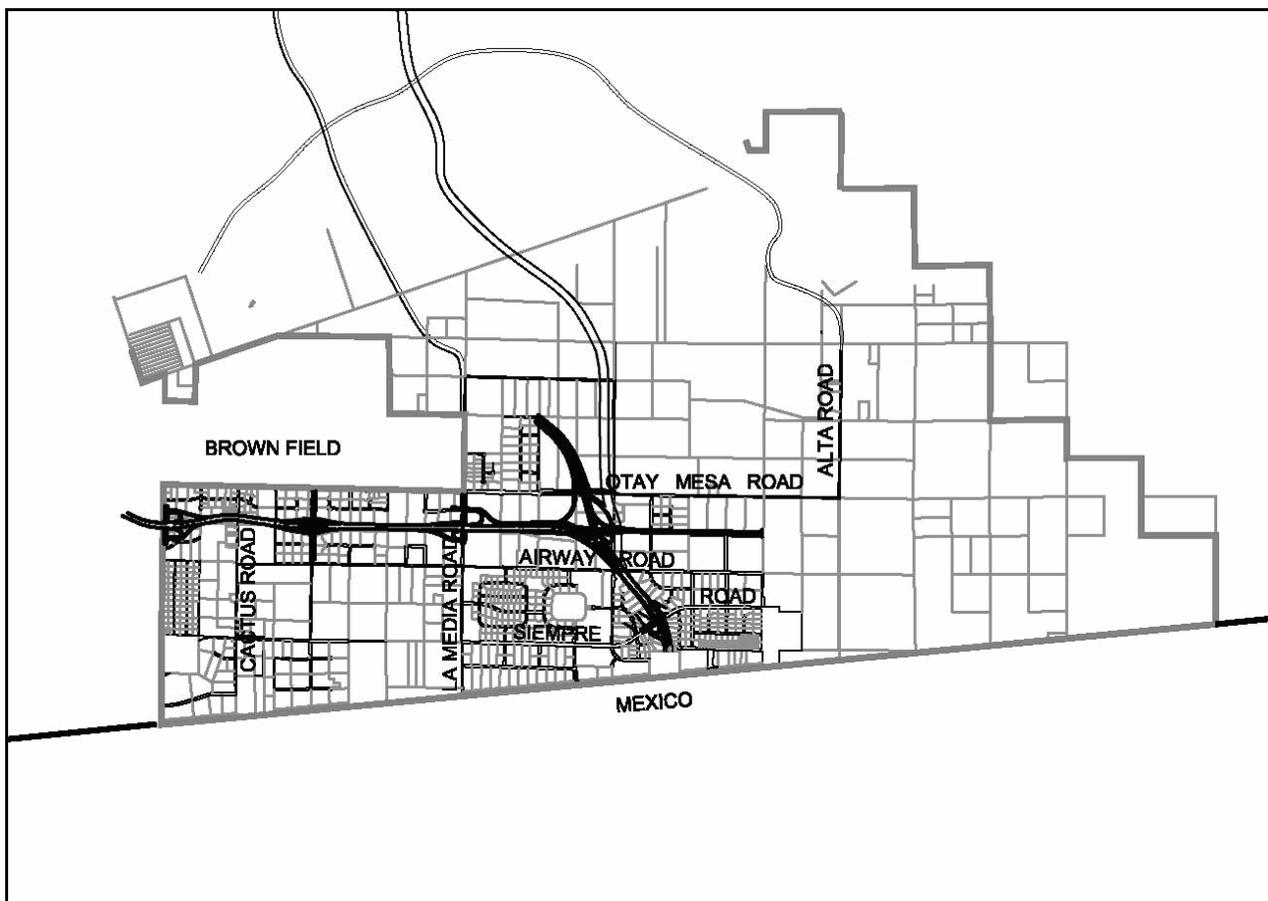
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	
					\$10,200	\$10,200

PROJECT LOCATION:

Thomas Bros. Map: District Wide

OWD Map Book: District Wide



Submitted By: Ron Ripperger

Date: 02/22/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2053

PROJECT TITLE: RWCWRF - R.O. Building Remodel and Office Furniture

PROJECT MANAGER: Ripperger	DIRECTOR DIVISION: 3
ORIGINAL APPROVED DATE: 7/16/1997	I.D. LOCATION: 20
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$590,000

DESCRIPTION OF PROJECT:

Installation of offices and training room and purchasing of furniture upon the existing reverse osmosis building site at the RWCWRF.

JUSTIFICATION OF PROJECT:

This project will eliminate the rental costs for trailers that currently contain the required offices space. The existing systems at the RWCWRF will be used in a more effective and cost efficient manner.

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2010	2011	2012	2013	2014	2015	TOTAL
\$575	\$15						\$590

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2053

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/97	01/06	\$24
DESIGN:	02/06	07/07	\$65
CONSTRUCTION:	08/07	08/09	\$501

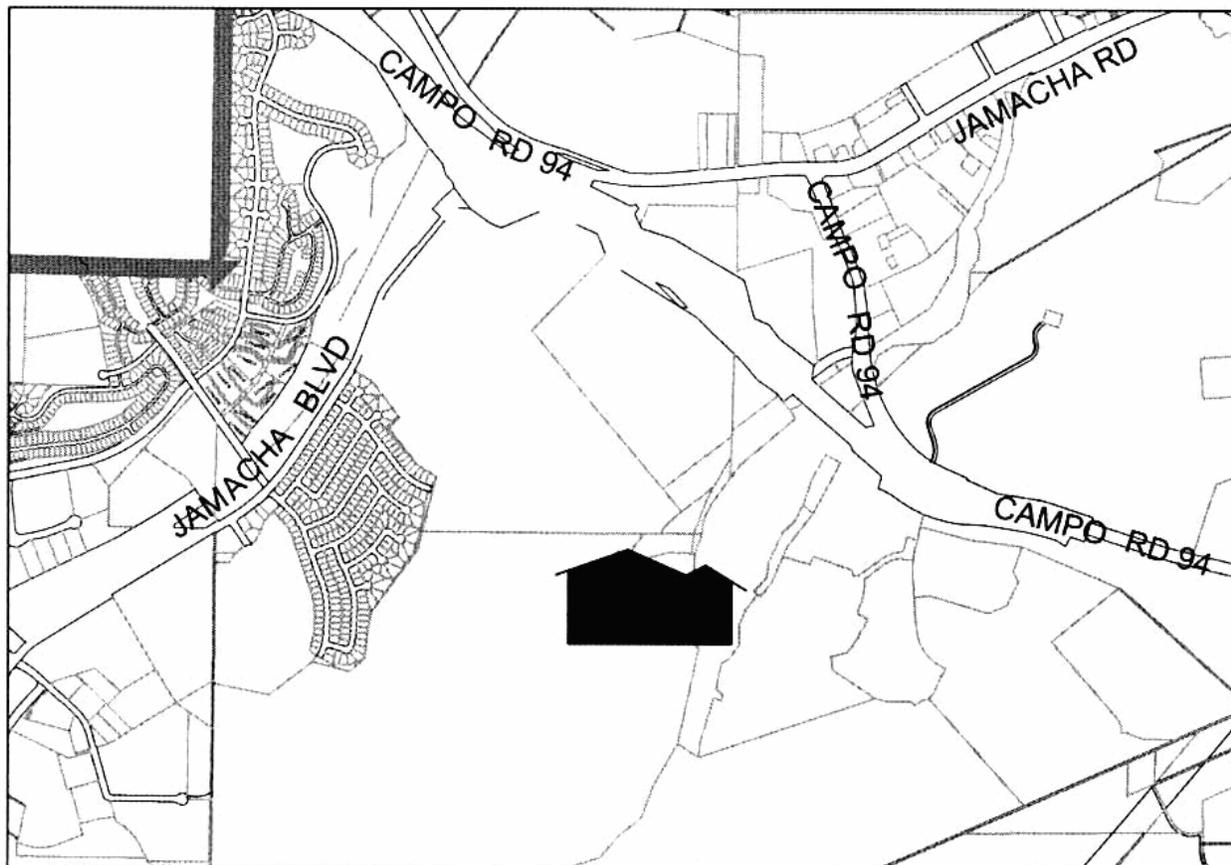
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1271

OWD Map Book: 319



Submitted By: Ron Ripperger

Date: 02/22/2009

**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: \$3,000,000

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2010	2011	2012	2013	2014	2015	TOTAL
\$400	\$350	\$775	\$775	\$700			\$3,000

**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	\$2,550

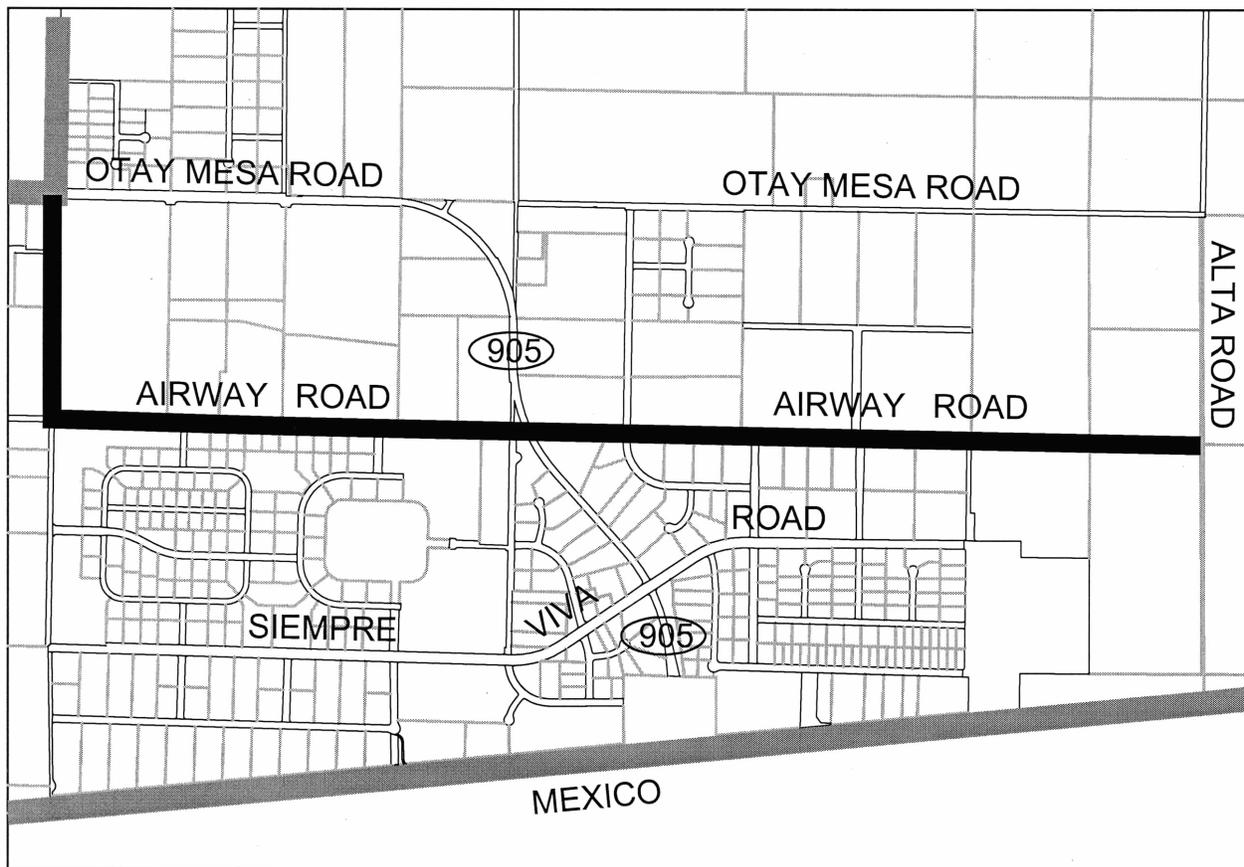
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	
				\$3,600	\$3,700	\$7,300

PROJECT LOCATION:

Thomas Bros. Map: 1351

OWD Map Book: 12



Submitted By: Bob Kennedy

Date: 02/22/2009

**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: \$4,100,000

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2010	2011	2012	2013	2014	2015	TOTAL
\$200	\$295	\$3,150	\$400	\$55			\$4,100

**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	\$3,485

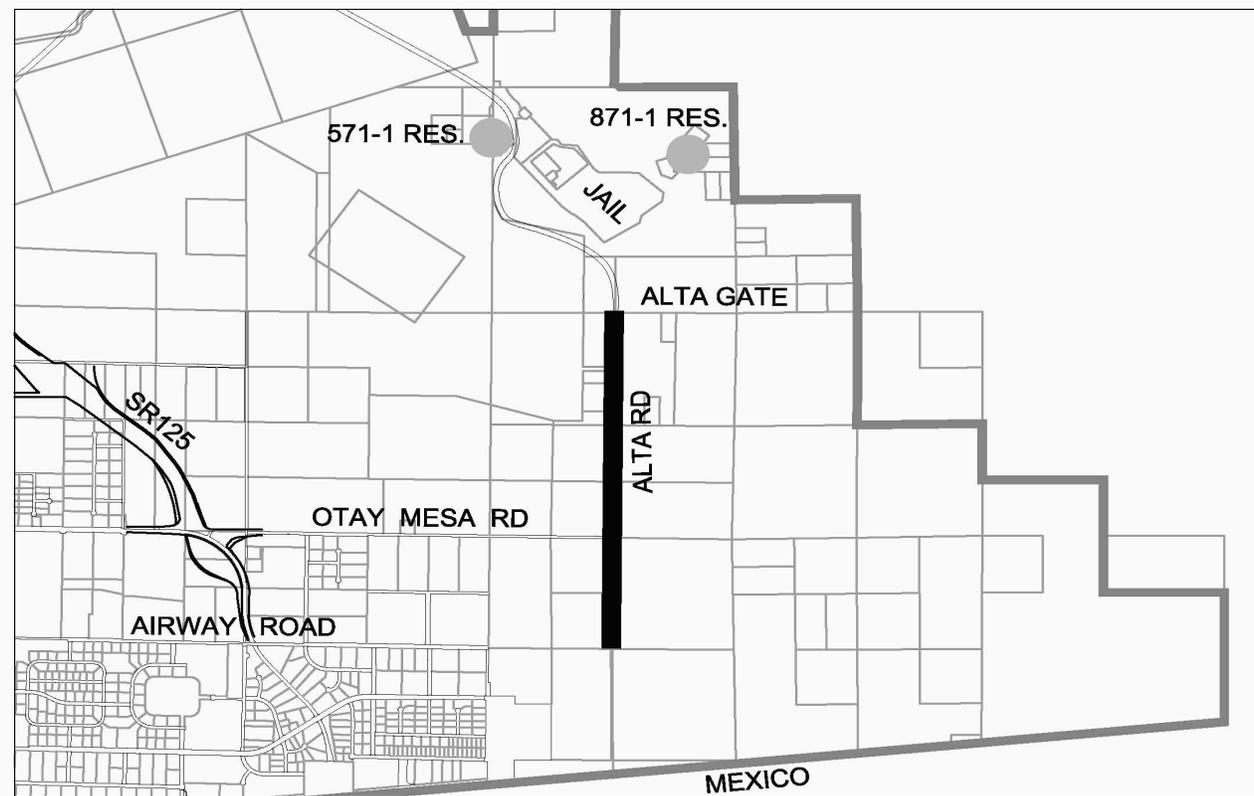
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	
				\$3,200	\$3,300	\$6,500

PROJECT LOCATION:

Thomas Bros. Map: 1332

OWD Map Book: 39



Submitted By: Bob Kennedy

Date: 02/22/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2081

PROJECT TITLE: RecPL - 20-Inch, 944 Zone, Lane Avenue - Proctor Valley/Pond No. 1

PROJECT MANAGER: Kay	DIRECTOR DIVISION: 4
ORIGINAL APPROVED DATE: 5/23/2006	I.D. LOCATION: 22
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$1,210,000

DESCRIPTION OF PROJECT:

Construction of a 20-inch pipeline within the 944 Pressure Zone in Lane Avenue from Proctor Valley Road to Pond No. 1 within the Use Area.

JUSTIFICATION OF PROJECT:

This project will provide transmission capacity for development of Otay Ranch and other areas within the 944 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
General Fund	100%			100%
TOTAL:	100%			100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2010	2011	2012	2013	2014	2015	TOTAL
\$1,140	\$70						\$1,210

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2081

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/06	08/06	\$38
DESIGN:	09/06	12/07	\$173
CONSTRUCTION:	01/08	08/09	\$999

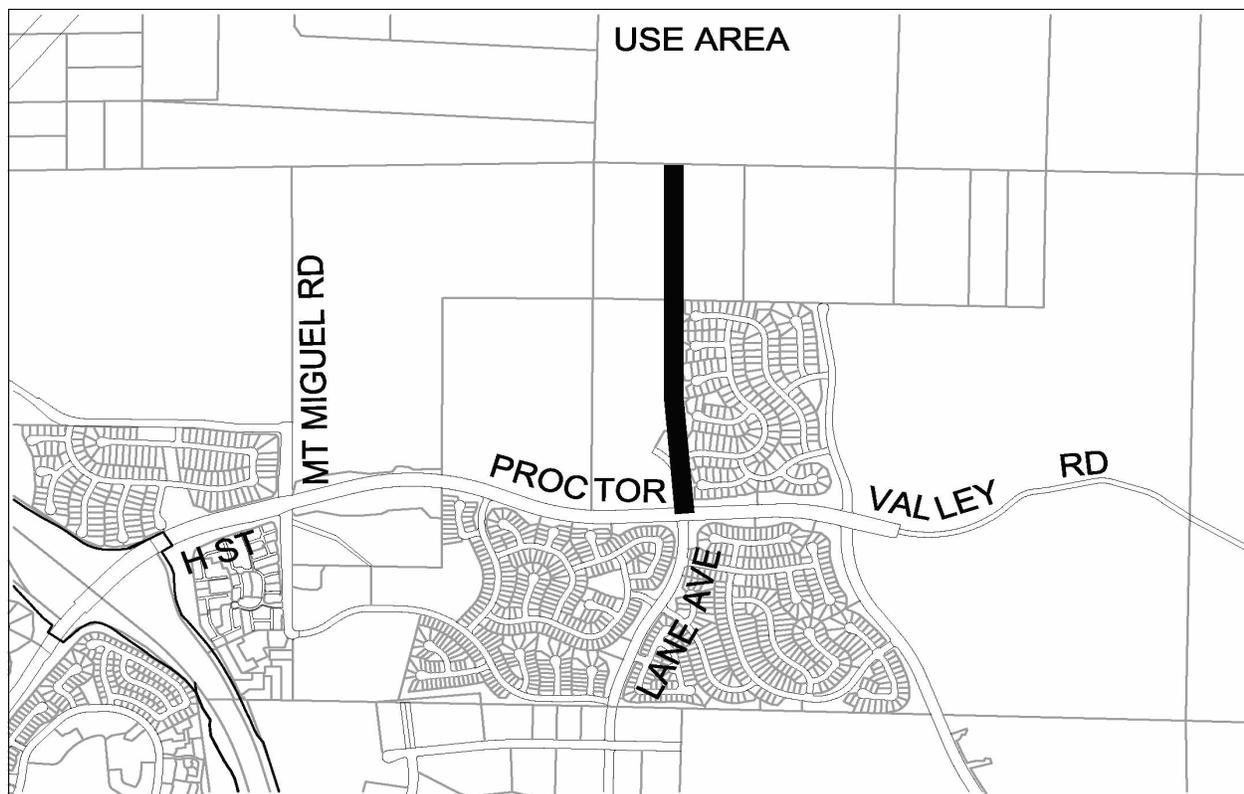
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	
\$2,250	\$2,300	\$2,400	\$2,500	\$2,600	\$2,700	\$14,750

PROJECT LOCATION:

Thomas Bros. Map: 1311

OWD Map Book: 159



Submitted By: Daniel Kay

Date: 02/27/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2087

PROJECT TITLE: RecPL - 20-Inch, 944 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: \$4,500,000

DESCRIPTION OF PROJECT:

Construction of approximately 15,100 feet of 20-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 American Recovery and Reinvestment Act of 2009 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
General Fund	100%			100%
TOTAL:	100%			100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2010	2011	2012	2013	2014	2015	TOTAL
\$200	\$350	\$3,500	\$450				\$4,500

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2087

PROJECT SCHEDULE:

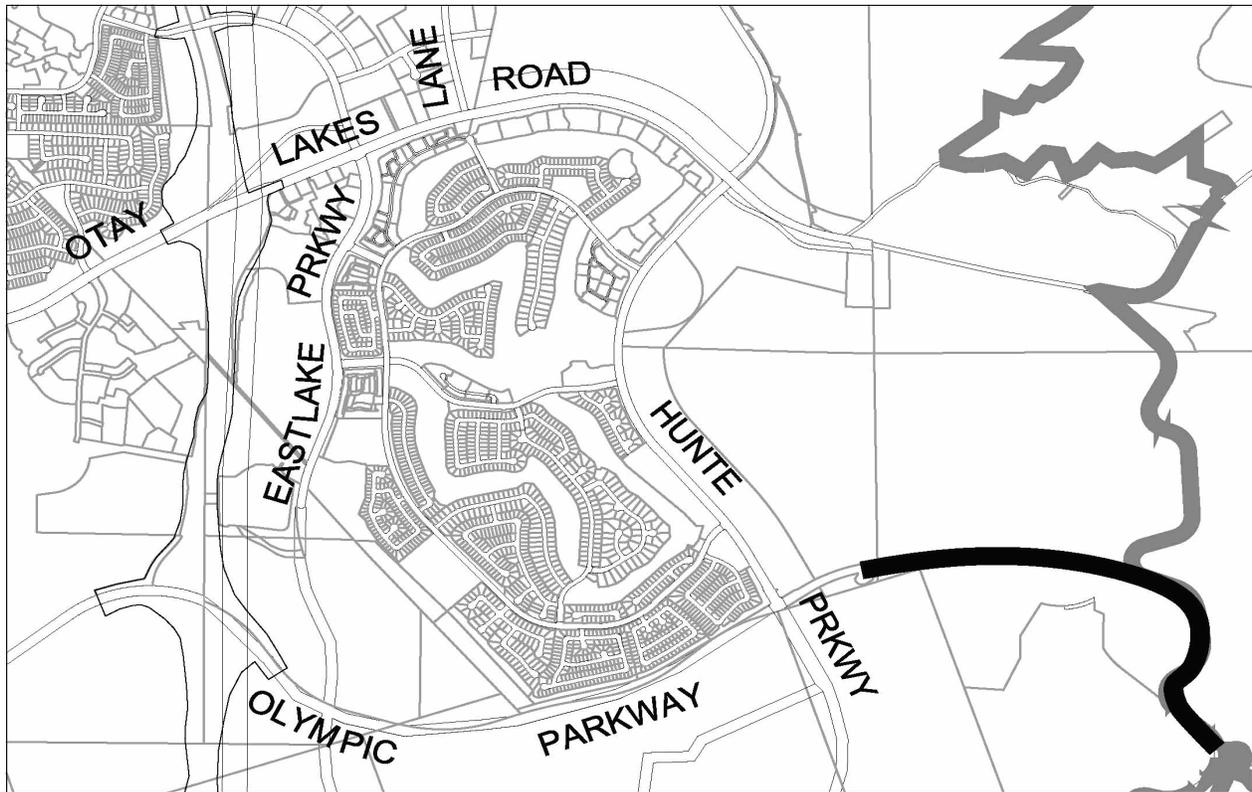
PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	09/06	12/09	\$180
DESIGN:	01/10	06/11	\$495
CONSTRUCTION:	07/11	06/12	\$3,825

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015		
			\$5,100	\$5,300	\$5,500		\$15,900

PROJECT LOCATION: Thomas Bros. Map: 1312

OWD Map Book: 85



Submitted By: Bob Kennedy

Date: 02/22/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2088

PROJECT TITLE: RecPL - 20-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: R2048, 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:

General Fund at 50% expansion and ID 22 at 50% betterment. Funding opportunity is the American Recovery and Reinvestment Act of 2009 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
General Fund	50%			50%
I.D. 22		50%		50%
TOTAL:	50%	50%		100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2010	2011	2012	2013	2014	2015	TOTAL
\$65	\$5	\$20	\$200	\$1,700	\$1,510		\$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	06/14	\$2,975

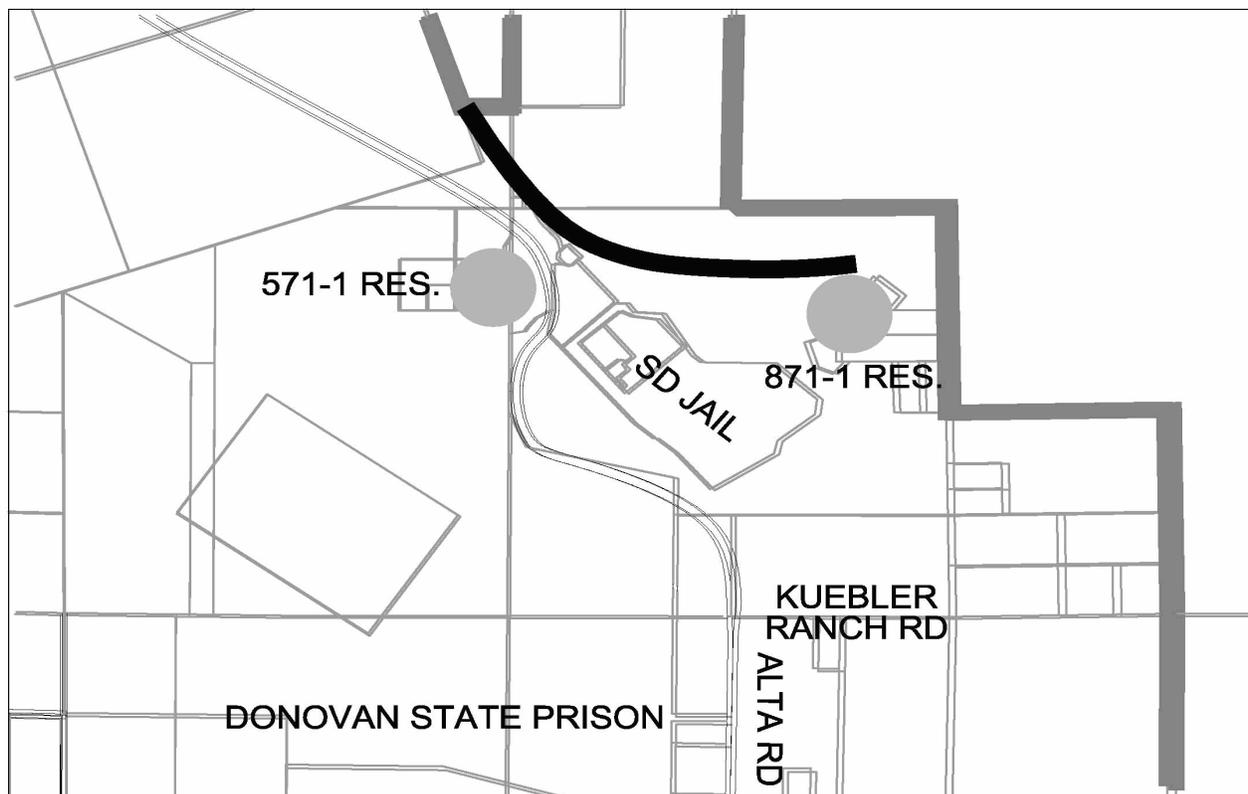
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	
					\$1,800	\$1,800

PROJECT LOCATION:

Thomas Bros. Map: 1332

OWD Map Book: 55



Submitted By: Bob Kennedy

Date: 02/19/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2089

PROJECT TITLE: North District Recycled Water Regulatory Compliance

PROJECT MANAGER: Coburn-Boyd	DIRECTOR DIVISION: District Wide
ORIGINAL APPROVED DATE: 5/23/2006	I.D. LOCATION: District Wide
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$220,000

DESCRIPTION OF PROJECT:

This project is to fund any RWQCB Basin Plan revisions, State Department of Health Services reporting requirements addressing health, safety, institutional, and water quality concerns and potential CEQA compliance requirements.

JUSTIFICATION OF PROJECT:

Regulatory and institutional requirements for recycled water use within the Jamacha Basin identified in the Phase I Study must be addressed to further the vision for eventual development of recycled water infrastructure within the North District.

COMMENTS:

The necessary infrastructure of storage, transmission mains, and distribution pipelines for recycled water will be budgeted under another CIP project once the regulatory and institutional issues resolve into a successful outcome.

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	2010	2011	2012	2013	2014	2015	TOTAL
\$200	\$20						\$220

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2089

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	05/07	12/09	\$220
DESIGN:			
CONSTRUCTION:			

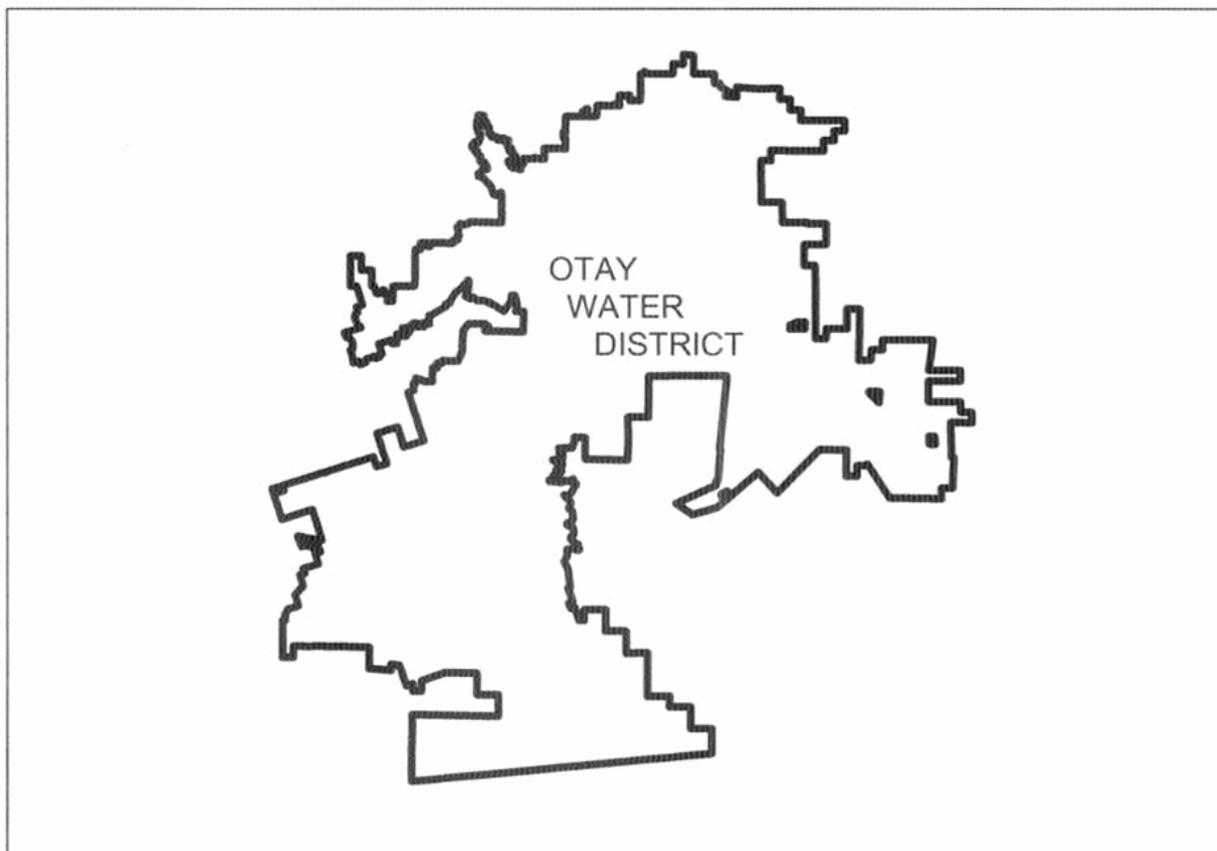
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: District Wide

OWD Map Book: District Wide



Submitted By: Lisa Coburn-Boyd

Date: 02/22/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2091

PROJECT TITLE: RecPS - 944-1 Pump Station Upgrade

PROJECT MANAGER: Kennedy	DIRECTOR DIVISION: 1
ORIGINAL APPROVED DATE: 5/29/2007	I.D. LOCATION: 22
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$550,000

DESCRIPTION OF PROJECT:

This project consists of adding two new pump and modifying two existing pumps to operate within the system at higher efficiencies.

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 and the conversion of a existing potable water pipeline within the Use Area for recycled water service.

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	2010	2011	2012	2013	2014	2015	TOTAL
\$50	\$500						\$550

**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	\$22
DESIGN:	05/08	12/08	\$61
CONSTRUCTION:	01/09	05/10	\$467

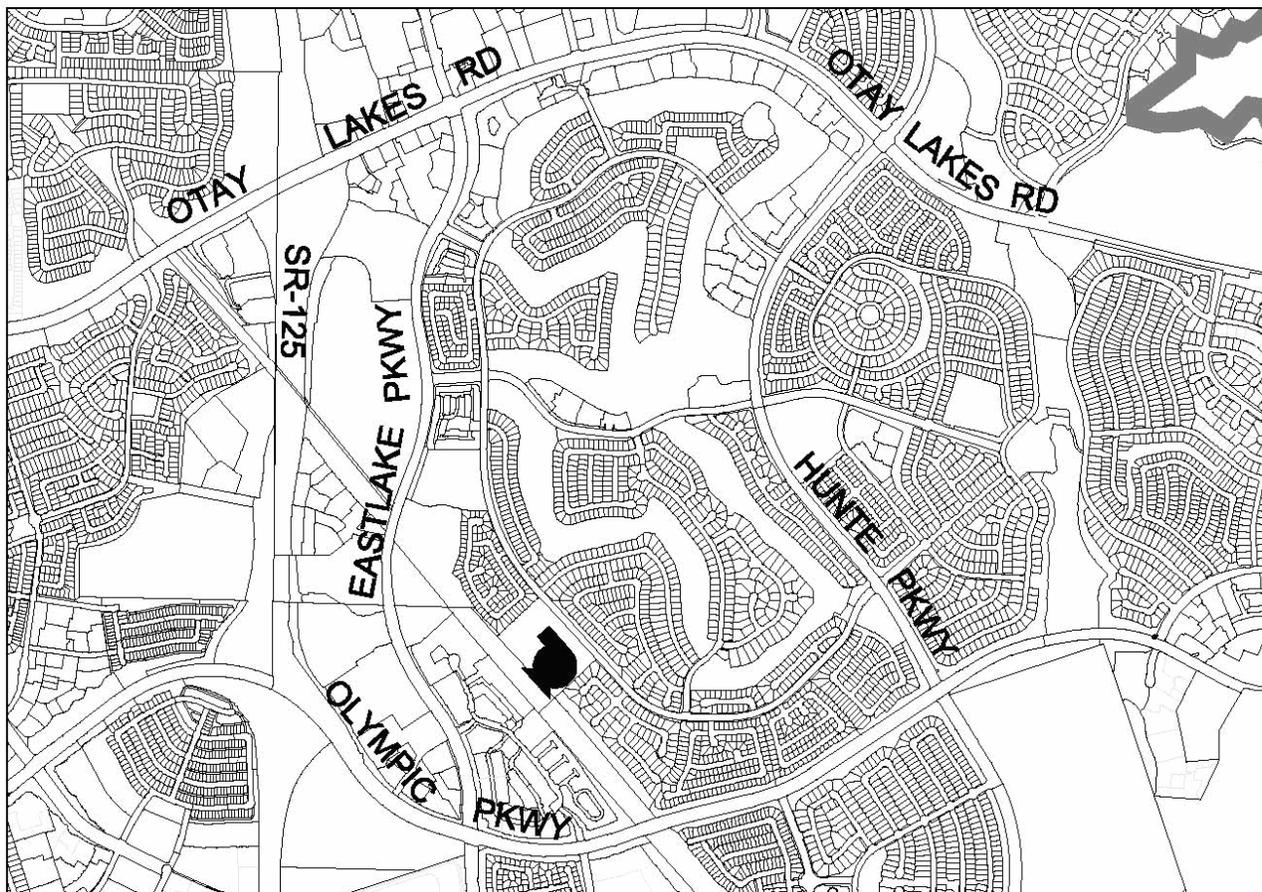
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

| FY |
|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | TOTAL |
| | \$107,900 | \$111,100 | \$114,400 | \$117,800 | \$121,300 | \$572,500 |

PROJECT LOCATION:

Thomas Bros. Map: 1311

OWD Map Book: 115



Submitted By: Bob Kennedy

Date: 02/27/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2092

PROJECT TITLE: Dis - 450-1 Reservoir Disinfection Facility

PROJECT MANAGER: Kay	DIRECTOR DIVISION: 1
ORIGINAL APPROVED DATE: 5/29/2007	I.D. LOCATION: 10
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$830,000

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2010	2011	2012	2013	2014	2015	TOTAL
\$760	\$70						\$830

**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	\$668

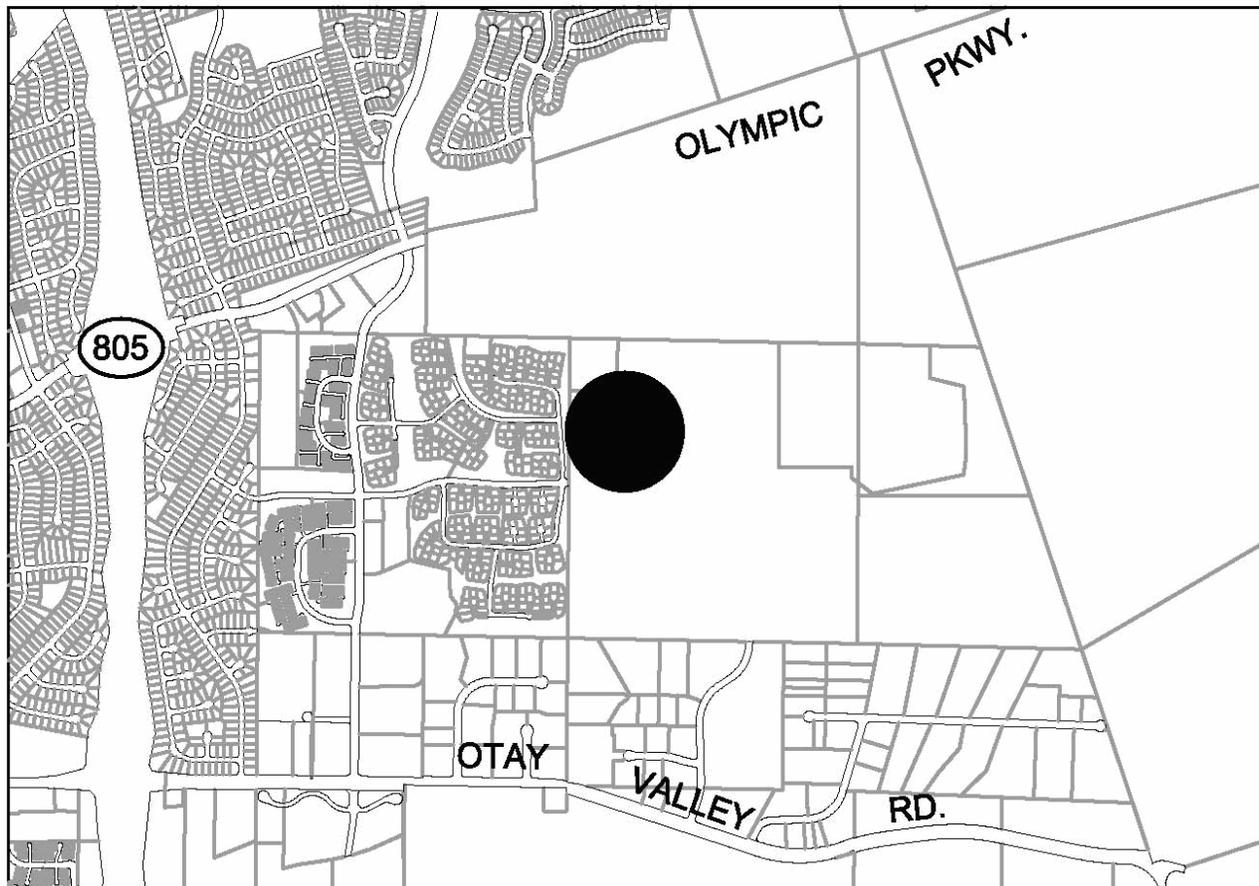
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	
	\$5,350	\$10,700	\$11,000	\$11,300	\$11,600	\$49,950

PROJECT LOCATION:

Thomas Bros. Map: 1330

OWD Map Book: 66



Submitted By: Daniel Kay

Date: 02/22/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2093

PROJECT TITLE: MBR City of Chula Vista

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: \$5,000,000

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.

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	2010	2011	2012	2013	2014	2015	TOTAL
\$20	\$50	\$50	\$50	\$50	\$1,500	\$3,280	\$5,000

**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	06/13	\$200
DESIGN:	07/13	01/14	\$550
CONSTRUCTION:	02/14	06/15	\$4,250

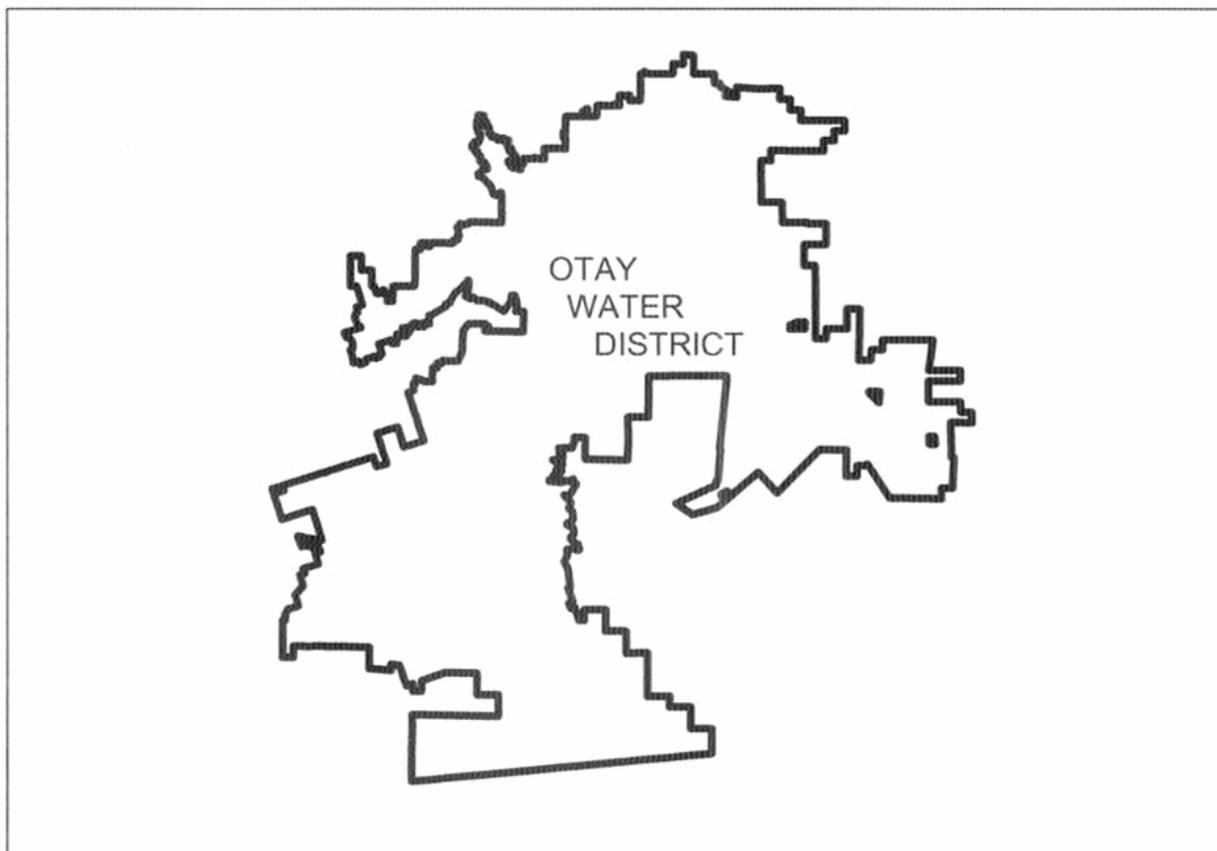
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: District Wide

OWD Map Book: District Wide



Submitted By: Jim Peasley

Date: 02/13/2009

**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:	I.D. LOCATION: 22
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$2,000,000

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:

Funding opportunity is the United States Department of Interior, Bureau of Reclamation, for the American Recovery and Reinvestment Act of 2009 Water Marketing and Efficiency Grants Program.

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	2010	2011	2012	2013	2014	2015	TOTAL
	\$500	\$500	\$1,000				\$2,000

**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	\$220
CONSTRUCTION:	07/11	06/12	\$1,700

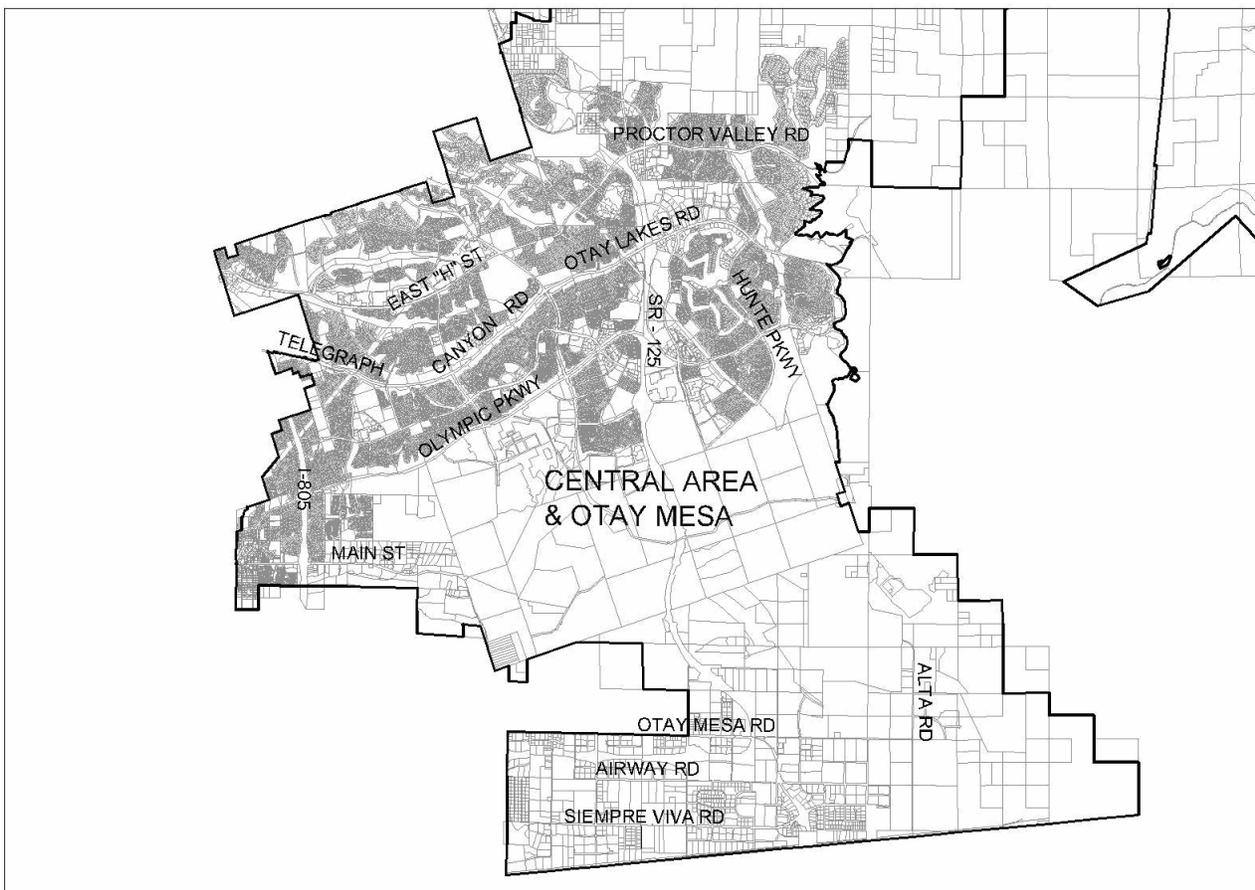
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	
						\$0.00

PROJECT LOCATION:

Thomas Bros. Map: District Wide

OWD Map Book: District Wide



Submitted By: Bob Kennedy

Date: 02/22/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2097

PROJECT TITLE: RWCWRF - Salt Creek Live Stream Discharge

PROJECT MANAGER: Coburn-Boyd	DIRECTOR DIVISION: 1
ORIGINAL APPROVED DATE:	I.D. LOCATION: 22
RELATED CIP PROJECTS: P2498, R2093	PRIORITY: 2
	BUDGET AMOUNT: \$320,000

DESCRIPTION OF PROJECT:

This project is to fund the possibility of discharge of recycled water in the winter months to save money relative to alternative disposal options in conjunction with the joint water recycling facility feasibility MBR 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 saving large sums of capital resources and 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.

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	2010	2011	2012	2013	2014	2015	TOTAL
\$34	\$26	\$160	\$100				\$320

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2097

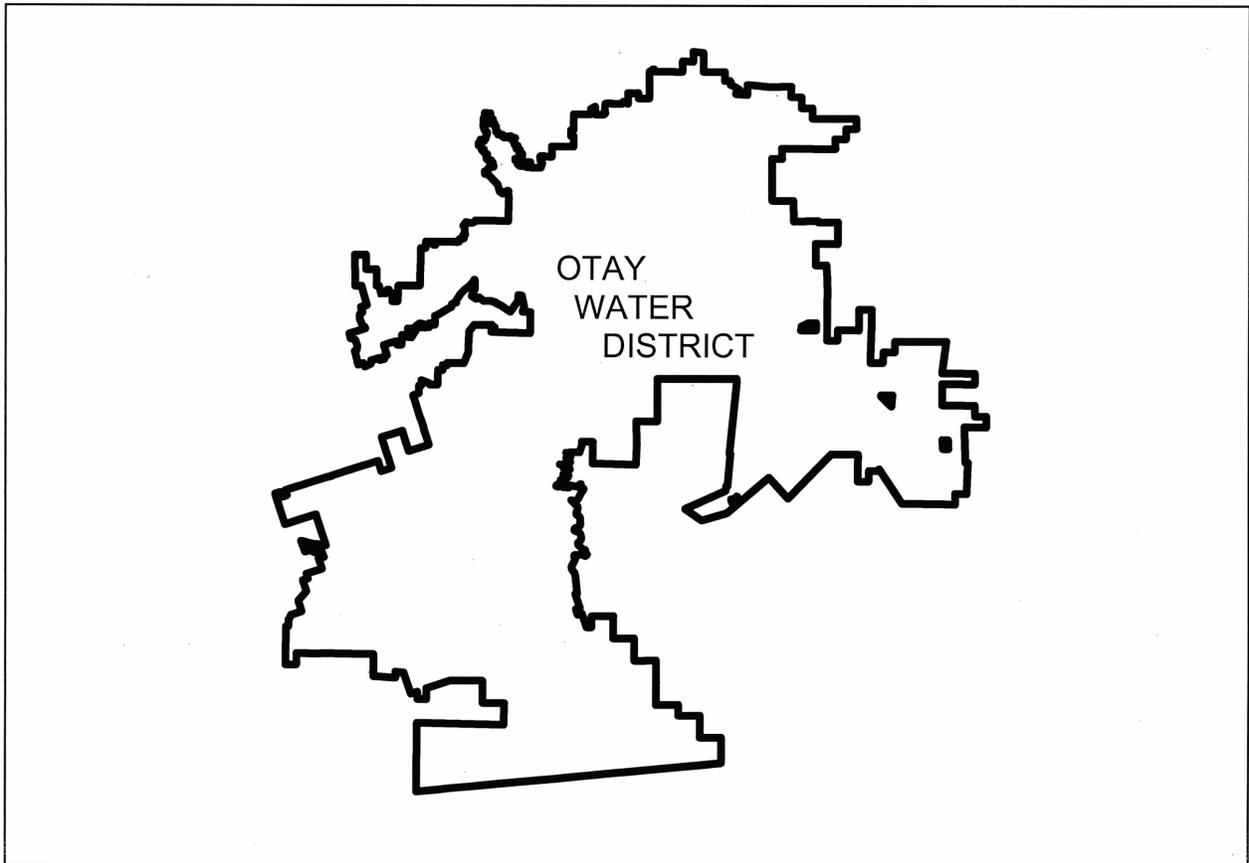
PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/09	06/12	\$320
DESIGN:			
CONSTRUCTION:			

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION: **Thomas Bros. Map:** District Wide **OWD Map Book:** District Wide



Submitted By: Lisa Coburn-Boyd

Date: 02/13/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: S2018

PROJECT TITLE: RWCWRF - Secondary Process Automation

PROJECT MANAGER:	Stalker	DIRECTOR DIVISION:	3
ORIGINAL APPROVED DATE:		I.D. LOCATION:	20
RELATED CIP PROJECTS:		PRIORITY:	1
		BUDGET AMOUNT:	\$50,000

DESCRIPTION OF PROJECT:

This project provides funding for the automation of the return activated sludge system, the waste activated sludge system, and the chlorination feed system. It includes replacement of existing chart recorders and electronic systems and the installation of a fiber optic communication system.

JUSTIFICATION OF PROJECT:

The automation of the various processes will increase water quality production, decrease manpower resource requirements, increase reliability, and provide for remote monitoring and operational capabilities.

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	2010	2011	2012	2013	2014	2015	TOTAL
	\$50						\$50

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: S2018

PROJECT SCHEDULE:

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

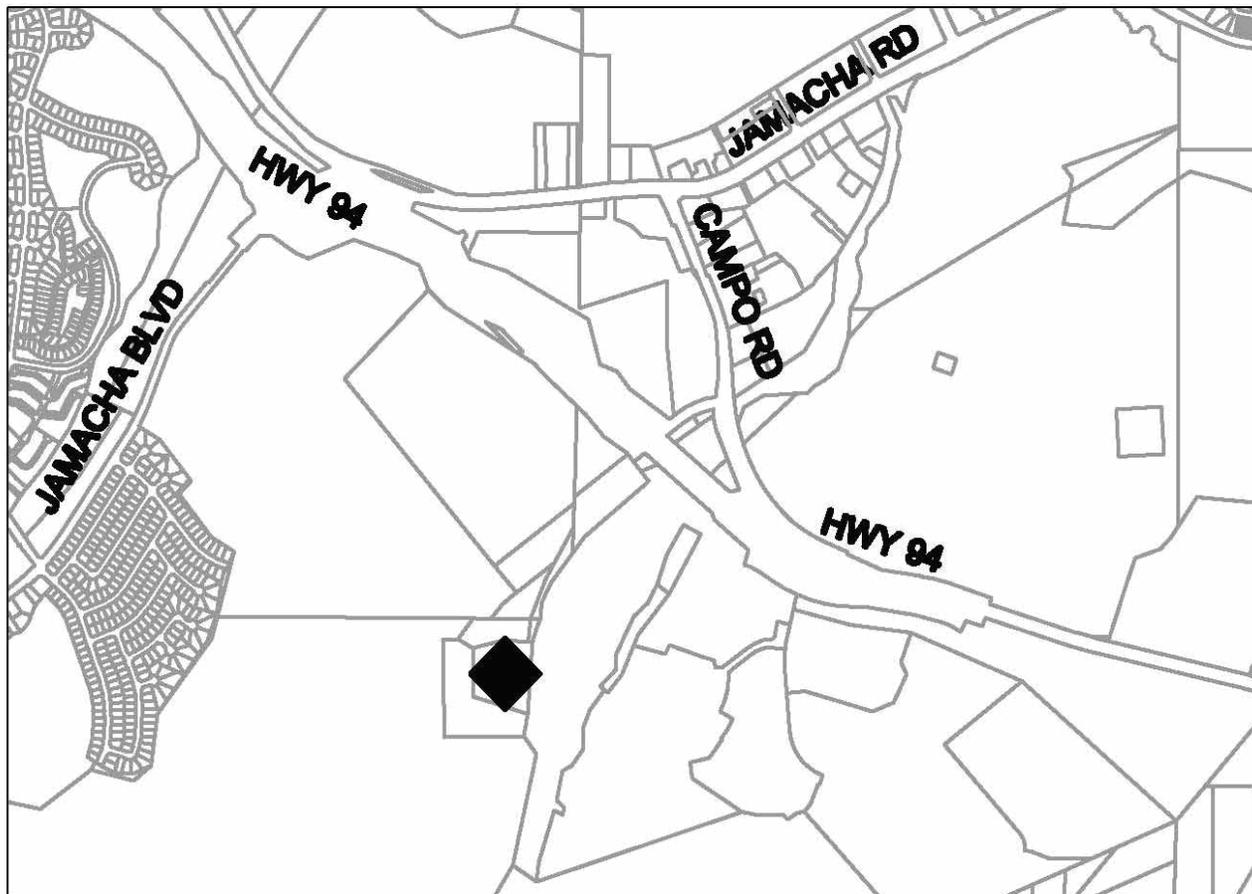
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1271

OWD Map Book: 319



Submitted By: Gary Stalker

Date: 03/17/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2356

PROJECT TITLE: PL - 12-Inch, 803 Zone, Jamul Drive Permastran Pipeline Replacement

PROJECT MANAGER: Kay	DIRECTOR DIVISION: 5
ORIGINAL APPROVED DATE: 5/23/2005	I.D. LOCATION: 20
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$765,000

DESCRIPTION OF PROJECT:

Replacement of the existing 12-inch permastran pipeline within Jamul Drive with approximately 3,600 feet of 12-inch main in the 803 Pressure Zone.

JUSTIFICATION OF PROJECT:

The existing permastran pipeline has experienced failures and is fragilely sensitive to the normally occurring pressure changes.

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	2010	2011	2012	2013	2014	2015	TOTAL
\$750	\$15						\$765

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2356

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/05	08/06	\$31
DESIGN:	09/06	03/08	\$84
CONSTRUCTION:	04/08	08/09	\$650

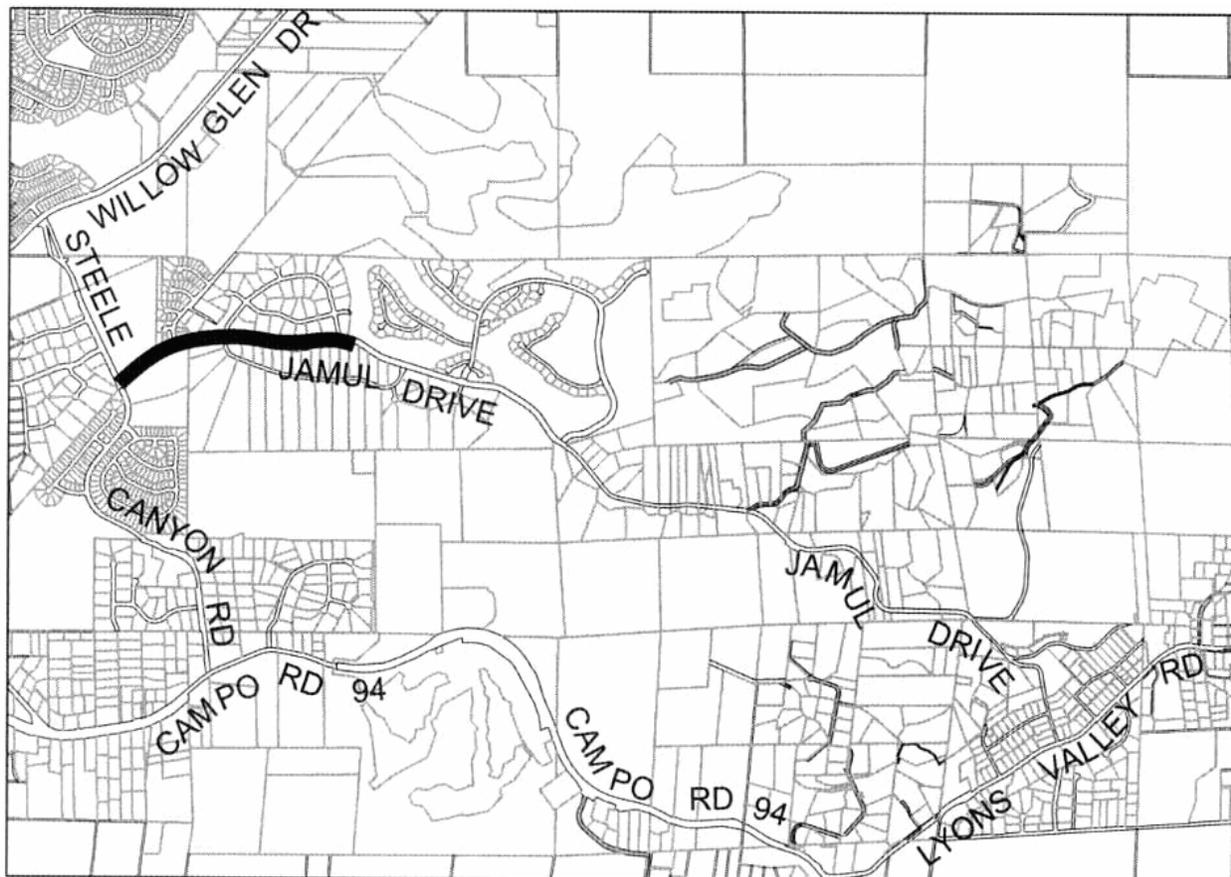
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	TOTAL						
2010	2011	2012	2013	2014	2015		\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1272

OWD Map Book: 332



Submitted By: Daniel Kay

Date: 02/22/2009

**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: \$2,834,000

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	2010	2011	2012	2013	2014	2015	TOTAL
\$1,644	\$180	\$190	\$220	\$200	\$200	\$200	\$2,834

**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	06/15	\$2,409

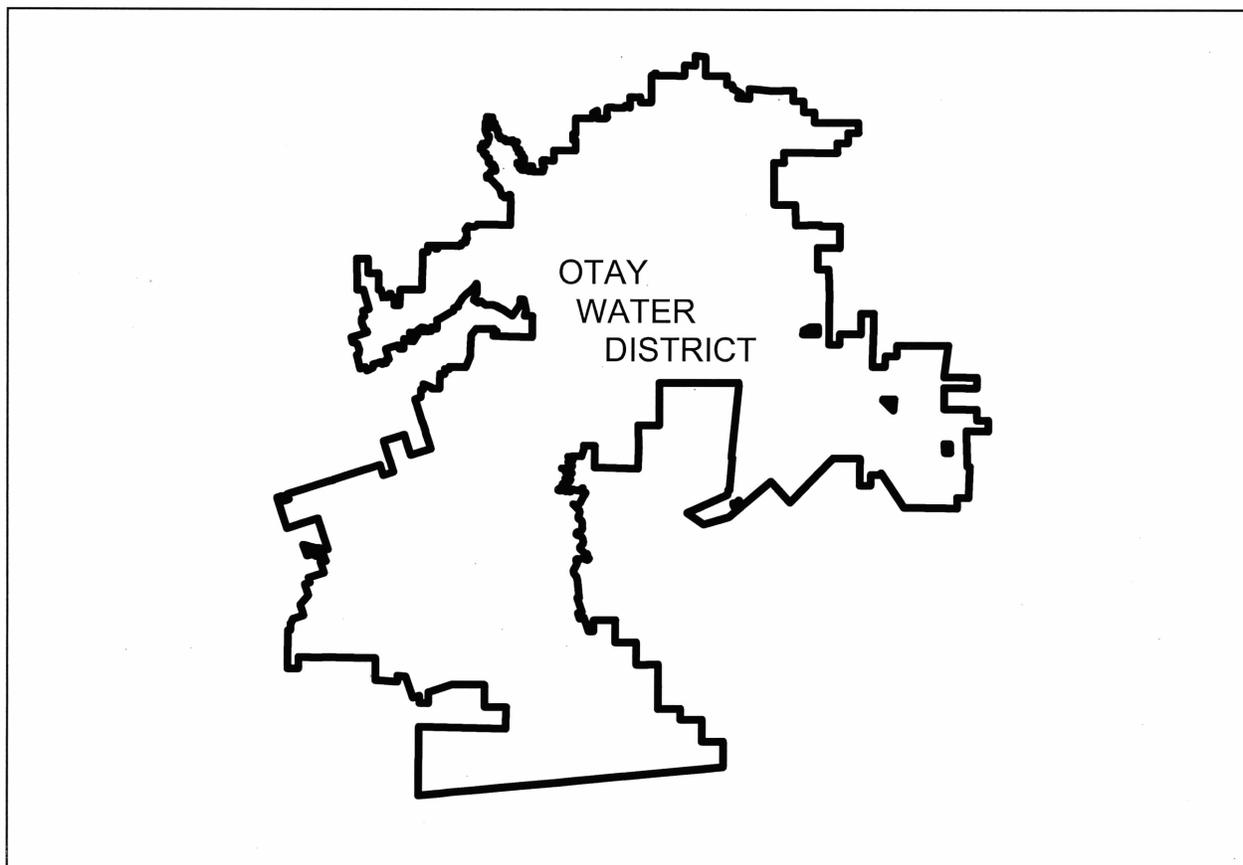
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: District Wide

OWD Map Book: District Wide



Submitted By: Doug Rahders

Date: 03/09/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2382

PROJECT TITLE: Safety and Security Improvements

PROJECT MANAGER: Cudal	DIRECTOR DIVISION: District Wide
ORIGINAL APPROVED DATE: 6/5/2002	I.D. LOCATION: District Wide
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$1,539,000

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:

FUND DETAIL:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund	20%		80%	100%
TOTAL:	20%		80%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2010	2011	2012	2013	2014	2015	TOTAL
\$1,219	\$70	\$50	\$50	\$50	\$50	\$50	\$1,539

**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	06/15	\$1,308

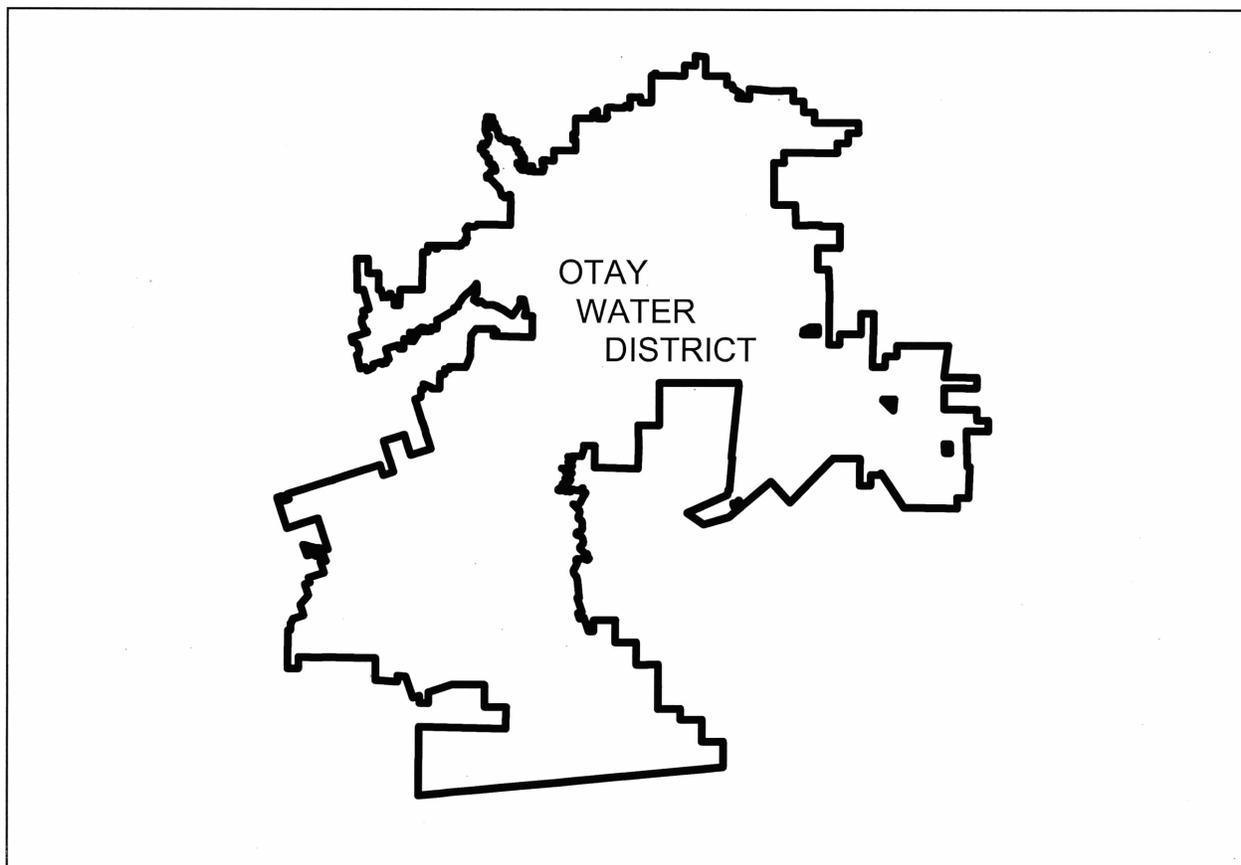
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: District Wide

OWD Map Book: District Wide



Submitted By: Ted Cudal

Date: 02/13/2009

**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: \$900,000

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	2010	2011	2012	2013	2014	2015	TOTAL
\$860	\$40						\$900

**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	06/10	\$765

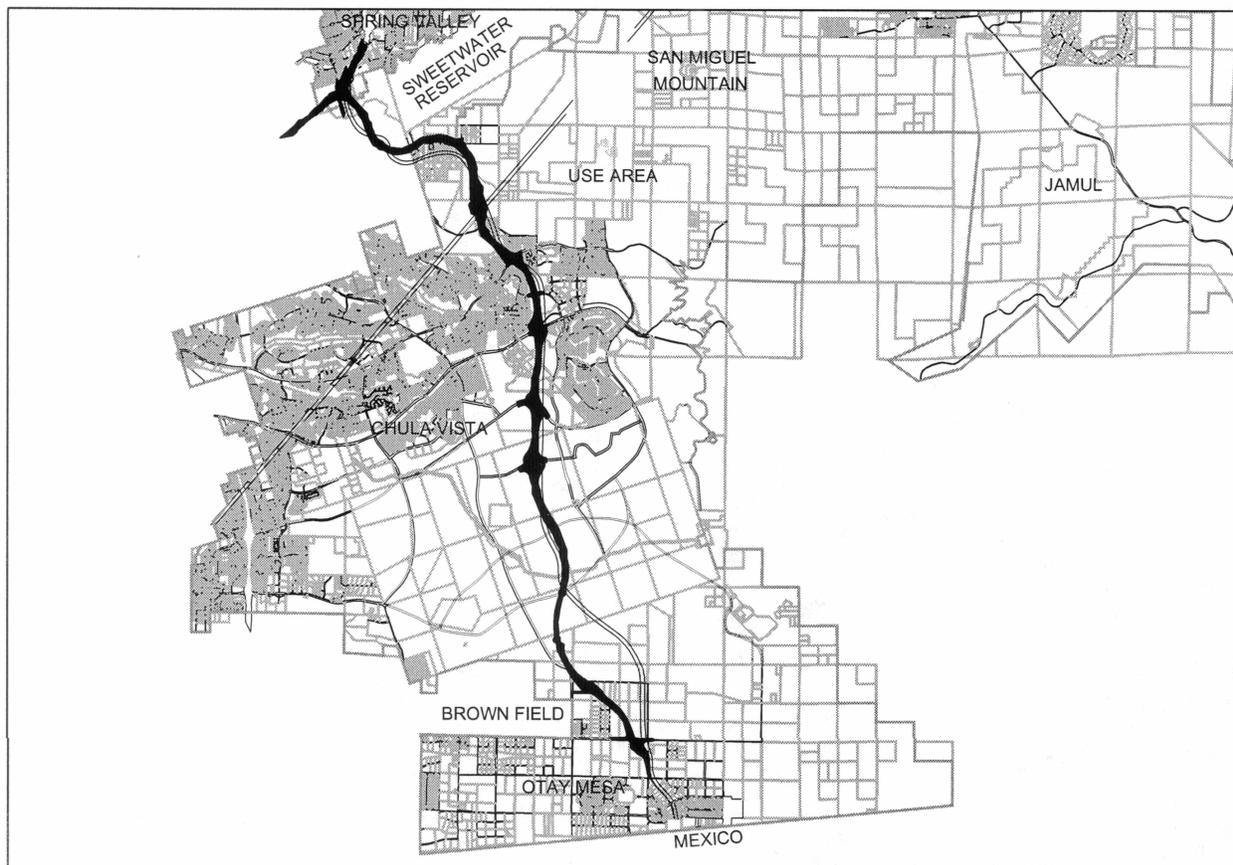
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: District Wide

OWD Map Book: District Wide



Submitted By: Bob Kennedy

Date: 02/19/2009

**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: \$3,016,000

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	2010	2011	2012	2013	2014	2015	TOTAL
\$2,753	\$200	\$63					\$3,016

**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	\$2,563

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION: Thomas Bros. Map: 1351

OWD Map Book: 10



Submitted By: Ron Ripperger

Date: 02/22/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2453

PROJECT TITLE: SR-11 Utility Relocations

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

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	2010	2011	2012	2013	2014	2015	TOTAL
\$5	\$75	\$175	\$245				\$500

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2453

PROJECT SCHEDULE:

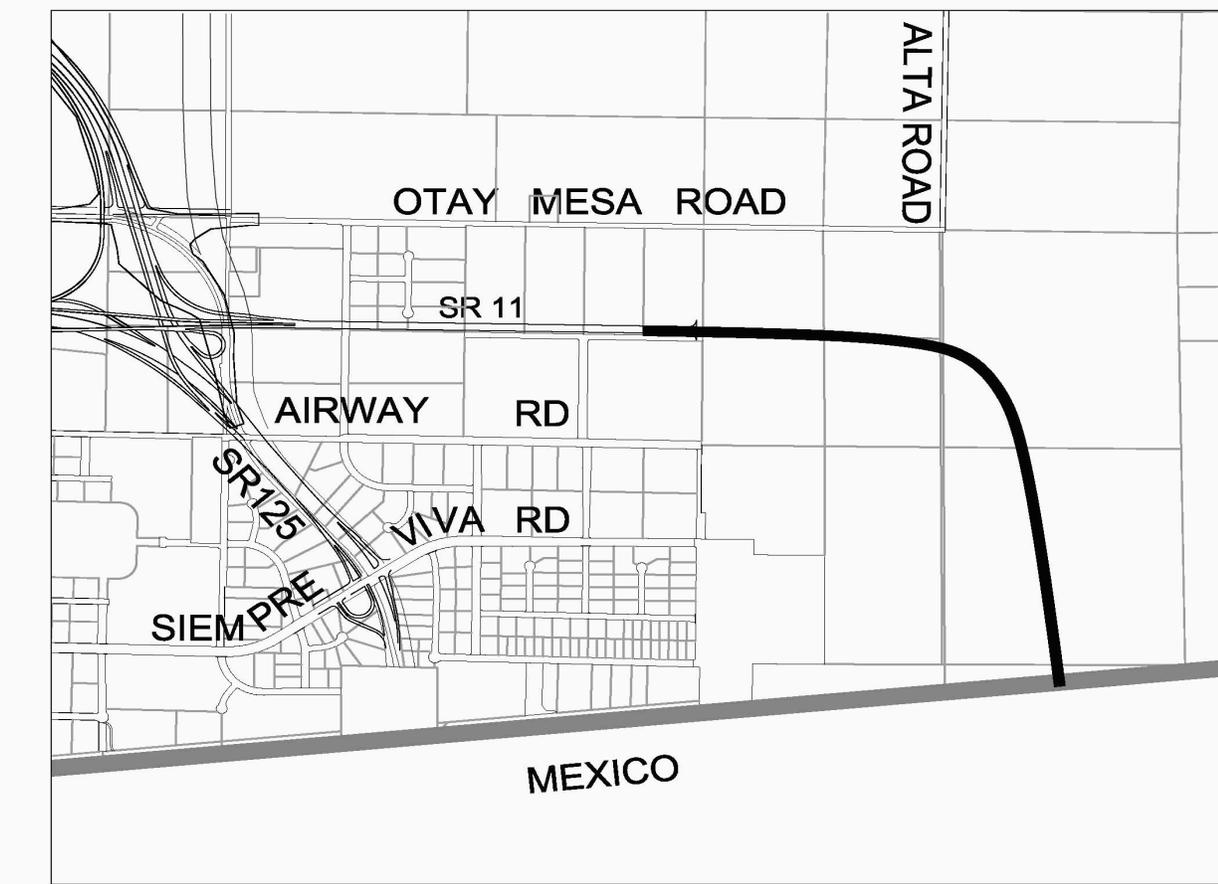
PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/06	06/10	\$20
DESIGN:	07/09	10/10	\$55
CONSTRUCTION:	11/10	06/12	\$425

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION: Thomas Bros. Map: 1351

OWD Map Book: 5



Submitted By: Bob Kennedy

Date: 02/19/2009

**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: \$2,624,000

DESCRIPTION OF PROJECT:

This project is to provide funding for the upgrading of approximately 750 existing air and vacuum valves that are currently 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. There are approximately 457 units to be completed. 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	2010	2011	2012	2013	2014	2015	TOTAL
\$1,224	\$500	\$450	\$450				\$2,624

**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

\$2,624

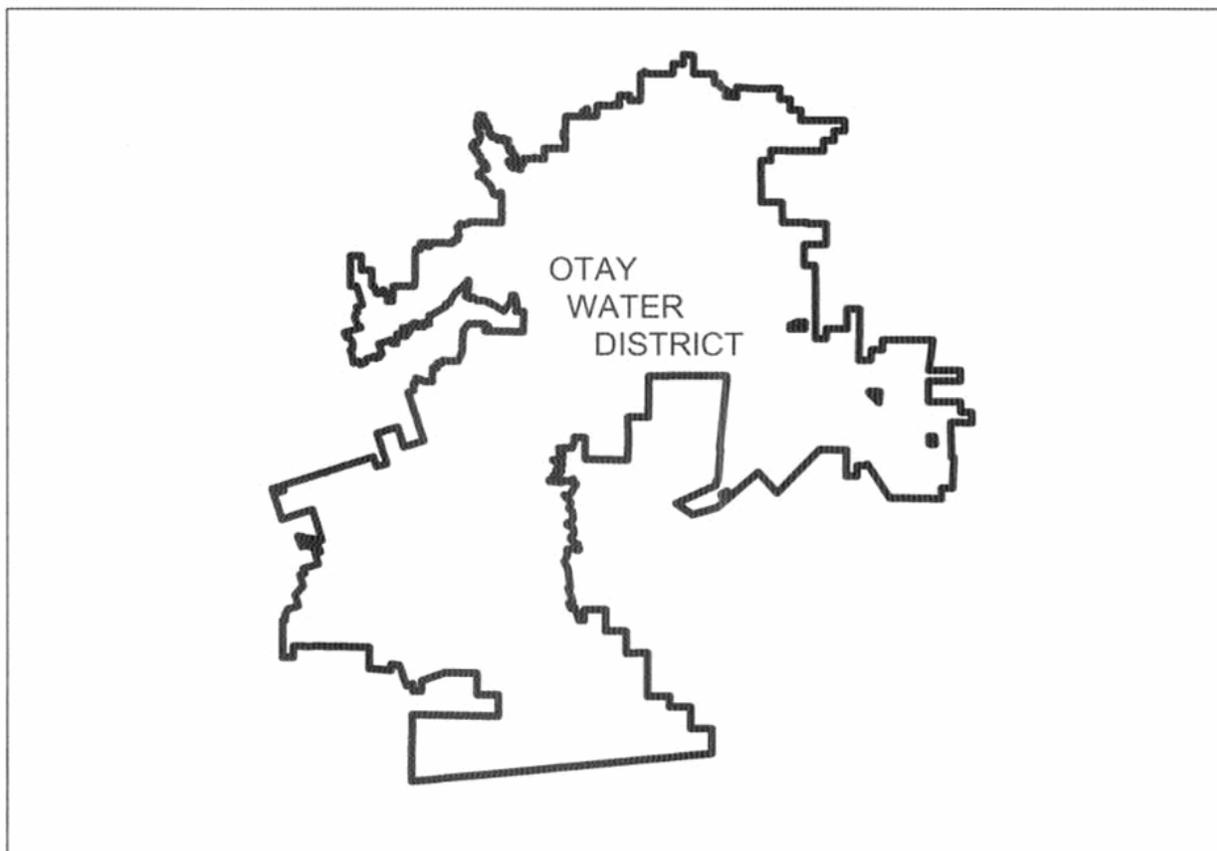
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	
2010	2011	2012	2013	2014	2015	TOTAL
						\$0.00

PROJECT LOCATION:

Thomas Bros. Map: District Wide

OWD Map Book: District Wide



Submitted By: Rick Acuna

Date: 03/20/2009

**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: \$10,447,000

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	2010	2011	2012	2013	2014	2015	TOTAL
\$2,547	\$1,400	\$1,500	\$1,650	\$1,700	\$1,650		\$10,447

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2458

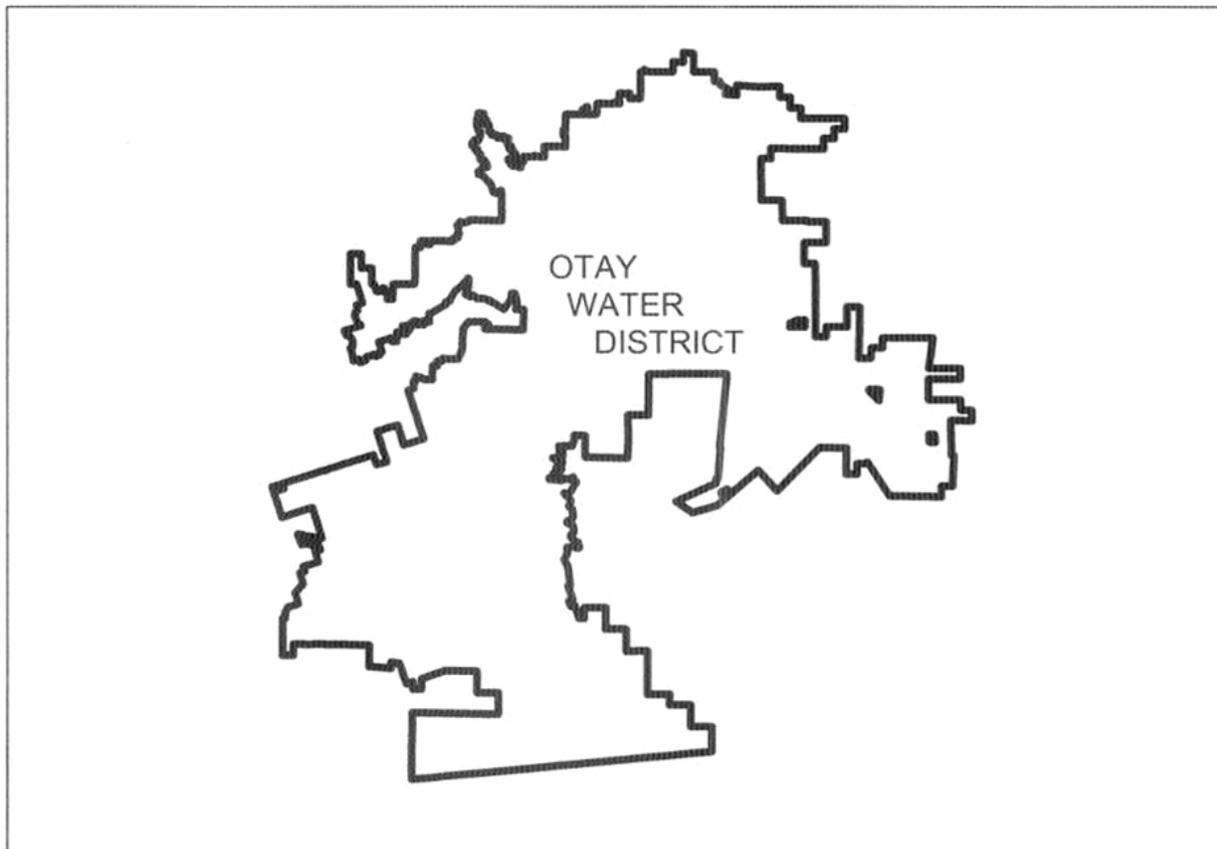
PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:			
DESIGN:			
CONSTRUCTION:	07/06	06/14	\$10,447

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	
\$-36,500	\$-34,500	\$-34,700	\$-39,300	\$-40,400	\$-41,000	\$-226,400

PROJECT LOCATION: **Thomas Bros. Map:** District Wide **OWD Map Book:** District Wide



Submitted By: Tim Keeran

Date: 03/12/2009

**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: 1
	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	2010	2011	2012	2013	2014	2015	TOTAL
\$25	\$325	\$100					\$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	08/10	\$422

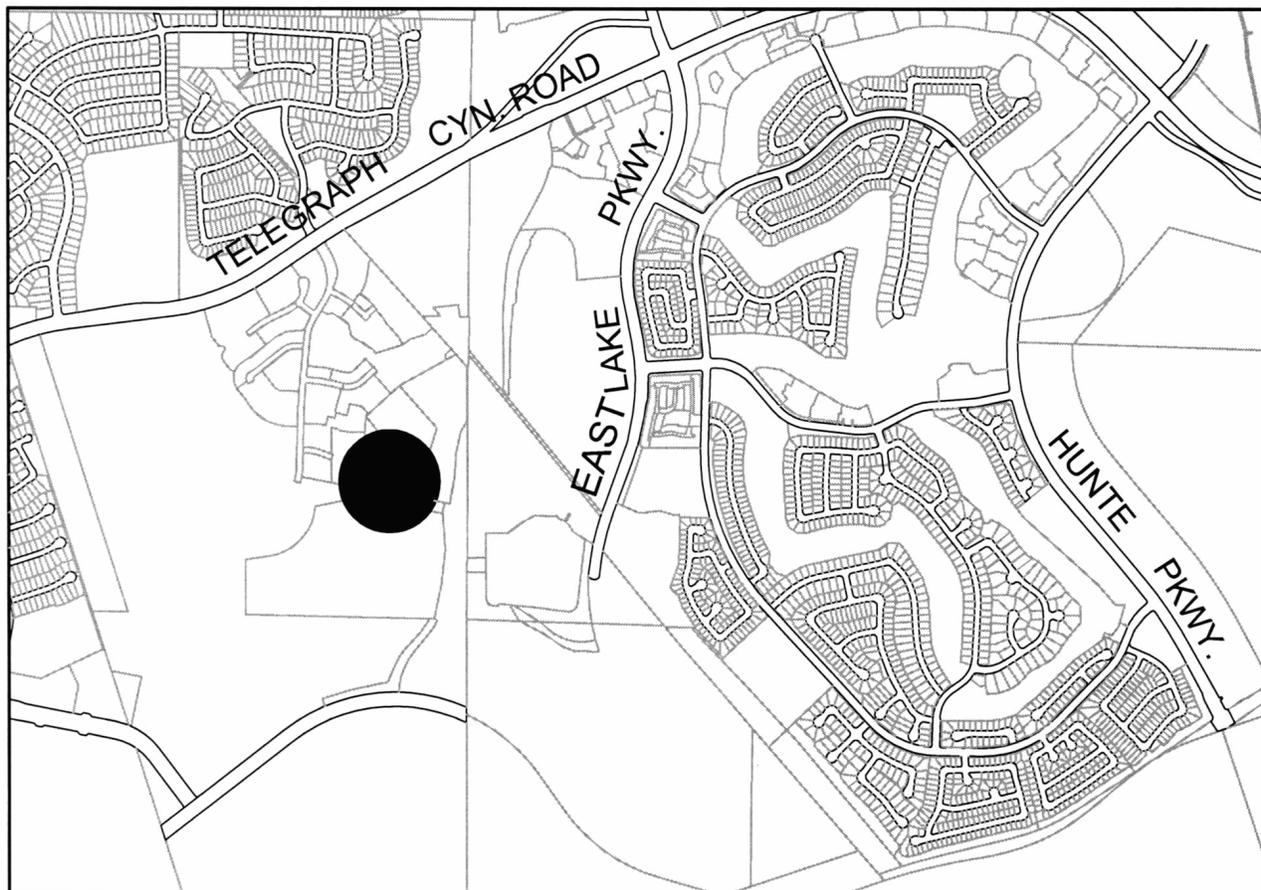
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1311

OWD Map Book: 114



Submitted By: Bob Kennedy

Date: 02/22/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2483

PROJECT TITLE: PS - 870-1 Pump Motor and Switch Gear Replacement

PROJECT MANAGER: Anderson	DIRECTOR DIVISION: 2
ORIGINAL APPROVED DATE:	I.D. LOCATION: 7
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$130,000

DESCRIPTION OF PROJECT:

This project will provide funding to replace the high voltage (i.e. 2,300 volt) motors and switch gear with 480 volt equipment along with replacement of the SDG&E power system.

JUSTIFICATION OF PROJECT:

The existing motor control center equipment is obsolete and repair parts are no longer available.

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	2010	2011	2012	2013	2014	2015	TOTAL
	\$130						\$130

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2483

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:			\$5
DESIGN:			\$14
CONSTRUCTION:	07/09	06/10	\$111

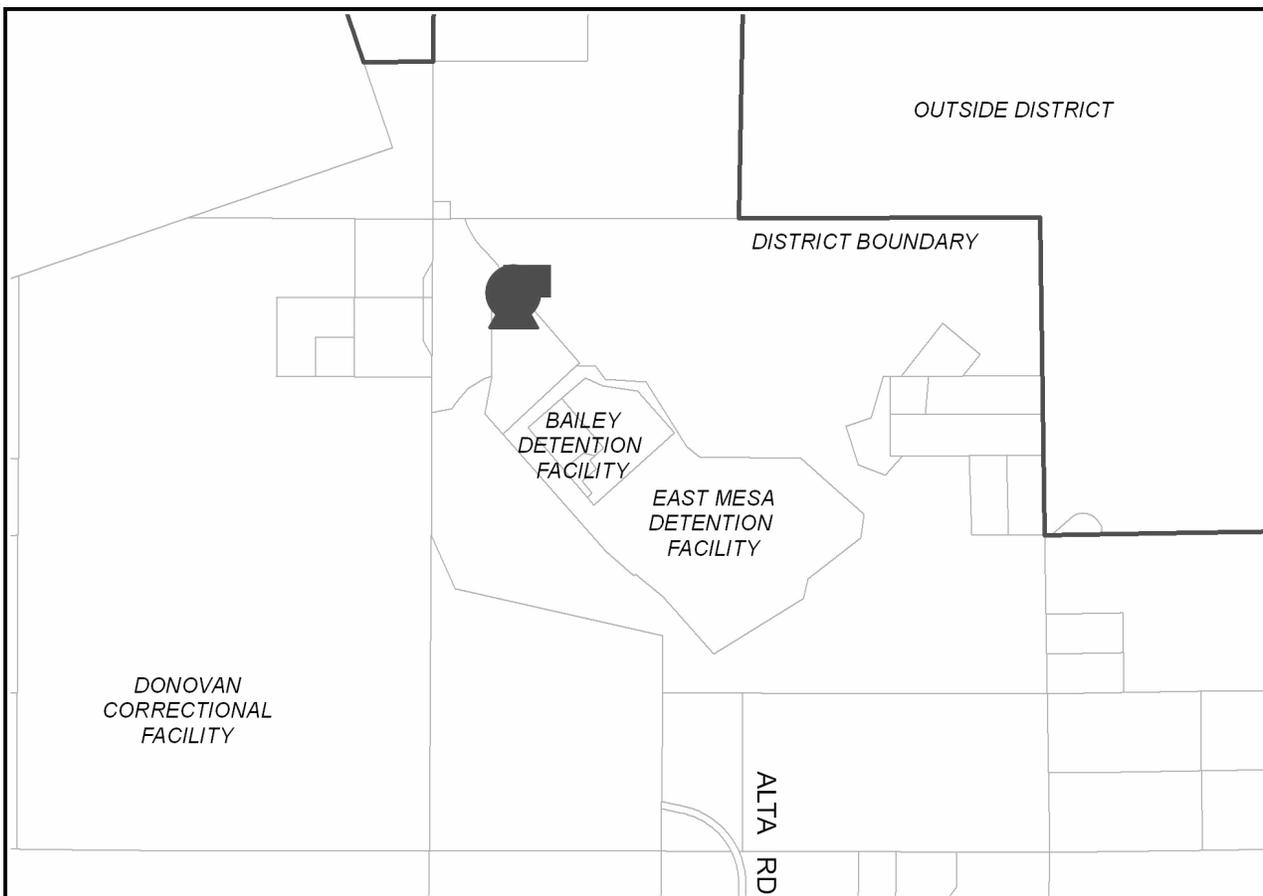
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	
						\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1332

OWD Map Book: 55



Submitted By: Don Anderson

Date: 02/12/2009

**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:	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	2010	2011	2012	2013	2014	2015	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:			\$4
DESIGN:			
CONSTRUCTION:	07/09	06/14	\$531

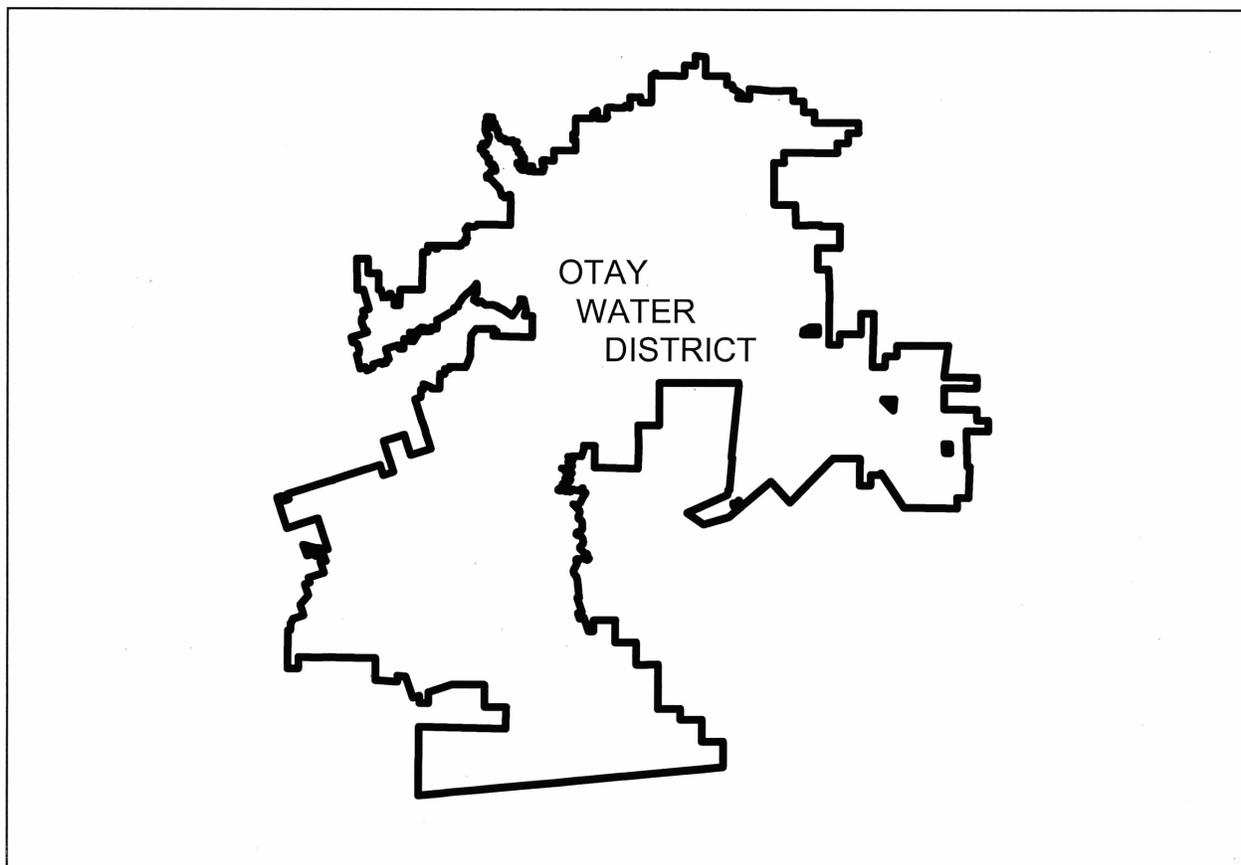
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: District Wide

OWD Map Book: District Wide



Submitted By: Tim Keeran

Date: 02/13/2009

**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:		I.D. LOCATION:	District Wide
RELATED CIP PROJECTS:		PRIORITY:	1
		BUDGET AMOUNT:	\$915,000

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	2010	2011	2012	2013	2014	2015	TOTAL
	\$265	\$350	\$300				\$915

**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:			\$3
DESIGN:			
CONSTRUCTION:	07/09	06/12	\$912

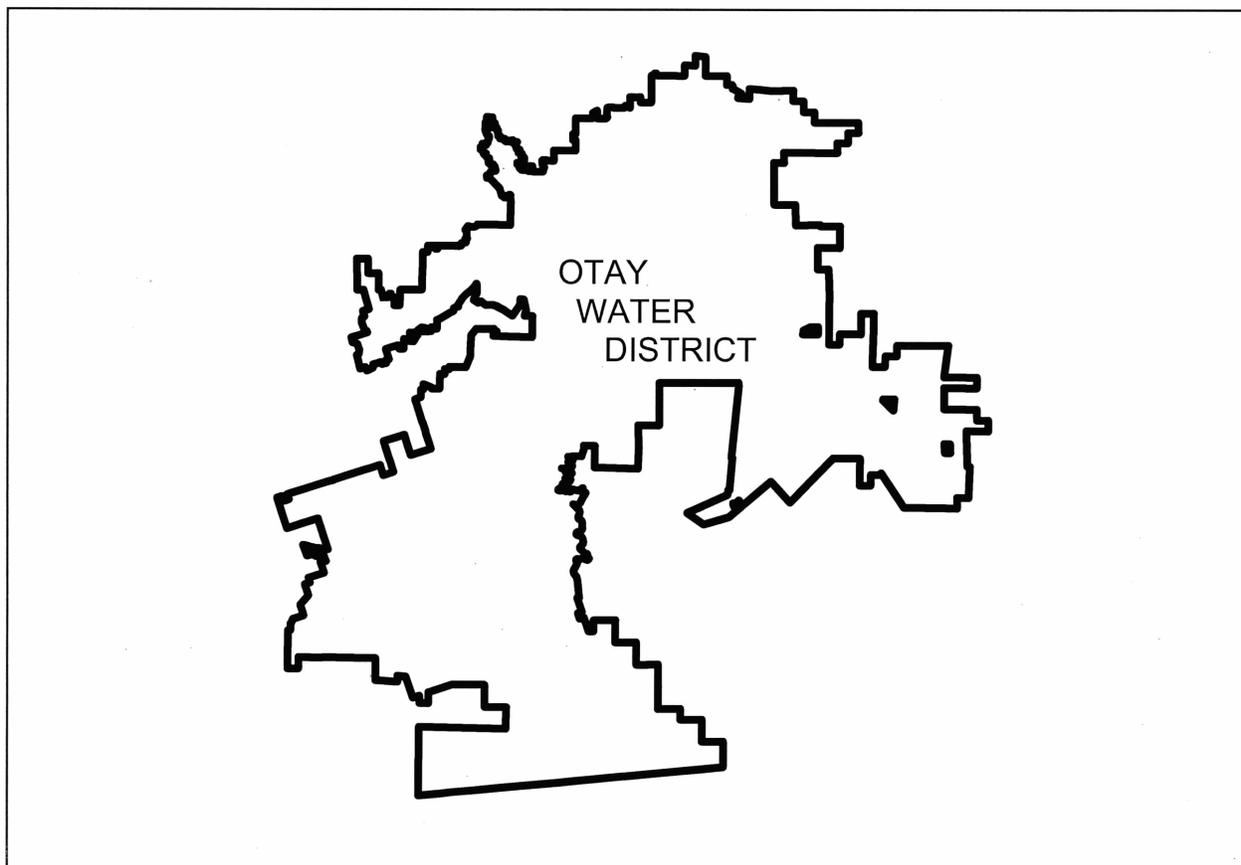
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: District Wide

OWD Map Book: District Wide



Submitted By: Gary Stalker

Date: 03/17/2009

**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:	I.D. LOCATION: District Wide
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$800,000

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	2010	2011	2012	2013	2014	2015	TOTAL
	\$300	\$300	\$200				\$800

**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	06/12	\$800
DESIGN:			
CONSTRUCTION:			

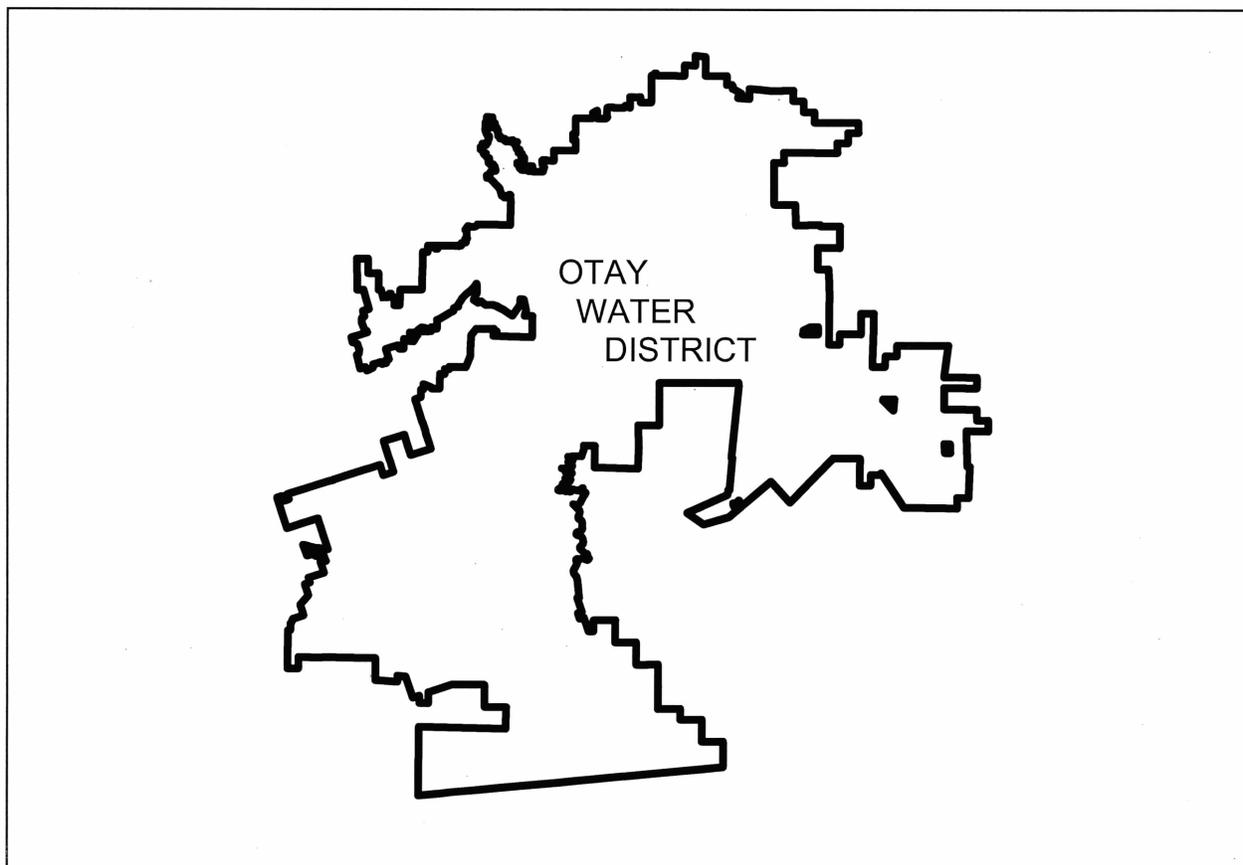
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	
						\$0.00

PROJECT LOCATION:

Thomas Bros. Map: District Wide

OWD Map Book: District Wide



Submitted By: Jim Peasley

Date: 03/10/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2490

PROJECT TITLE: 1296-1 Reservoir Interior/Exterior Coating and Upgrades

PROJECT MANAGER: Kennedy	DIRECTOR DIVISION: 5
ORIGINAL APPROVED DATE:	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	2010	2011	2012	2013	2014	2015	TOTAL
	\$340	\$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	06/11	\$331

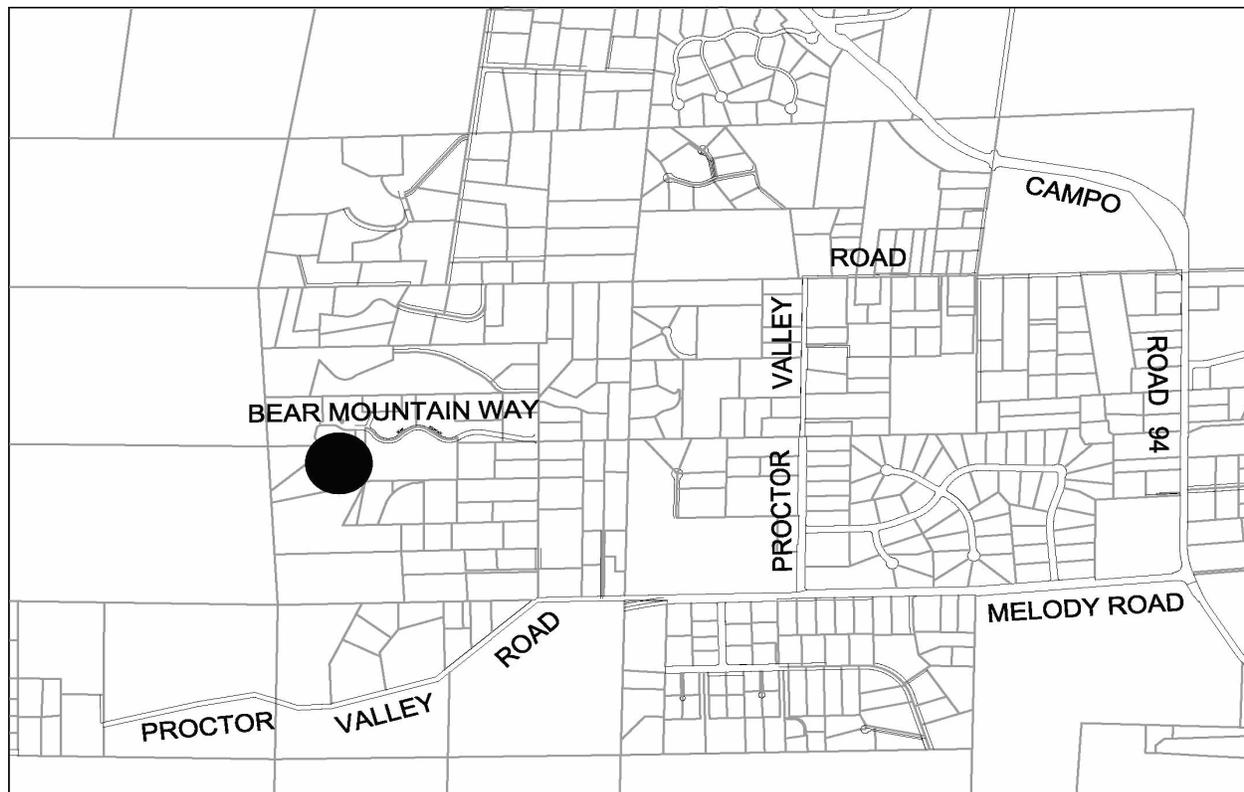
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1292

OWD Map Book: 307



Submitted By: Bob Kennedy

Date: 03/17/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2491

PROJECT TITLE: 850-3 Reservoir Exterior Coating

PROJECT MANAGER: Kennedy	DIRECTOR DIVISION: 5
ORIGINAL APPROVED DATE:	I.D. LOCATION: 20
RELATED CIP PROJECTS:	PRIORITY: 1
	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	2010	2011	2012	2013	2014	2015	TOTAL
	\$290	\$10					\$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	06/11	\$281

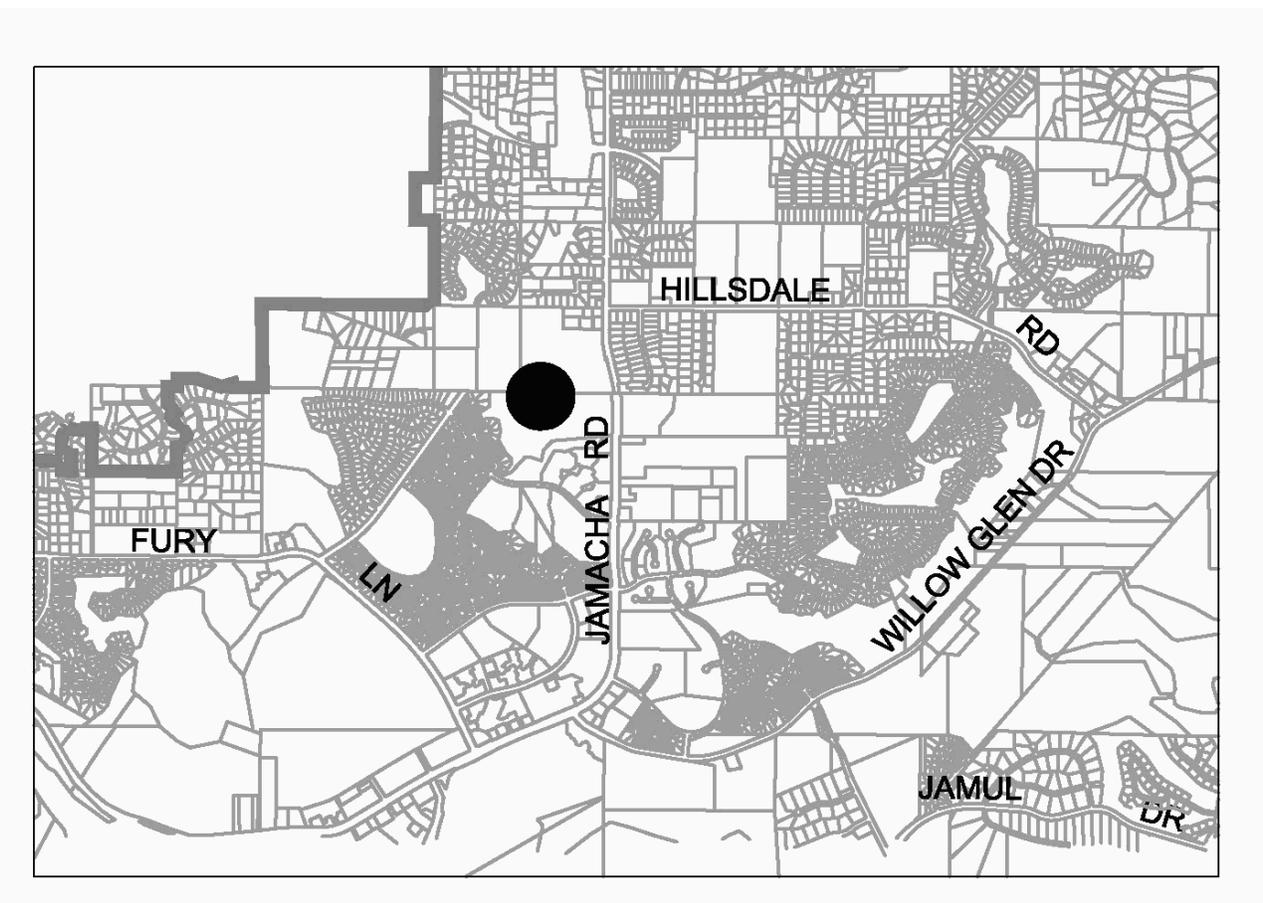
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	TOTAL						
2010	2011	2012	2013	2014	2015		\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1272

OWD Map Book: 355



Submitted By: Bob Kennedy

Date: 03/17/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2492

PROJECT TITLE: 1296-2 Reservoir Interior/Exterior Coating and Upgrades

PROJECT MANAGER: Kennedy	DIRECTOR DIVISION: 5
ORIGINAL APPROVED DATE:	I.D. LOCATION: 9
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$600,000

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	2010	2011	2012	2013	2014	2015	TOTAL
	\$30	\$560	\$10				\$600

**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	\$581

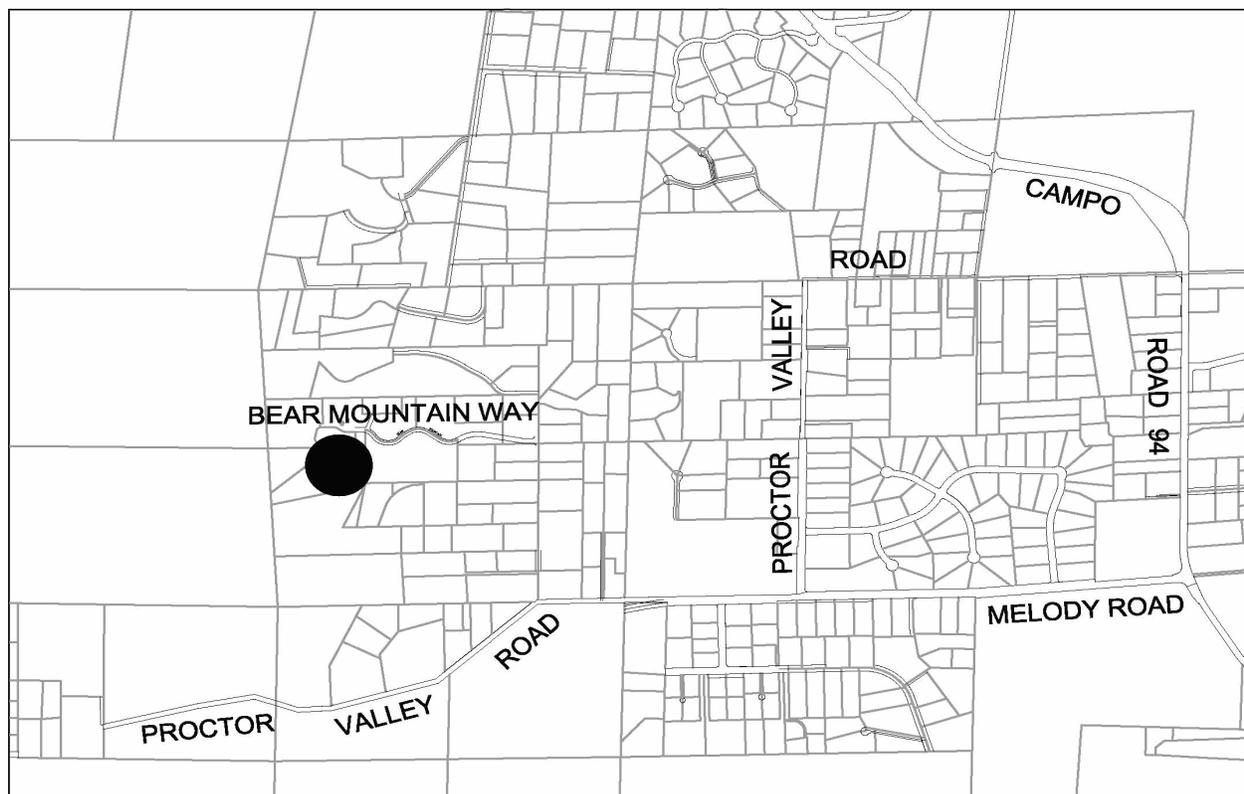
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1292

OWD Map Book: 307



Submitted By: Bob Kennedy

Date: 03/17/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2493

PROJECT TITLE: 624-2 Reservoir Interior Coating and Upgrades

PROJECT MANAGER: Kennedy	DIRECTOR DIVISION: 1
ORIGINAL APPROVED DATE:	I.D. LOCATION: 22
RELATED CIP PROJECTS:	PRIORITY: 1
	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	2010	2011	2012	2013	2014	2015	TOTAL
	\$30	\$910	\$10				\$950

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2493

PROJECT SCHEDULE:

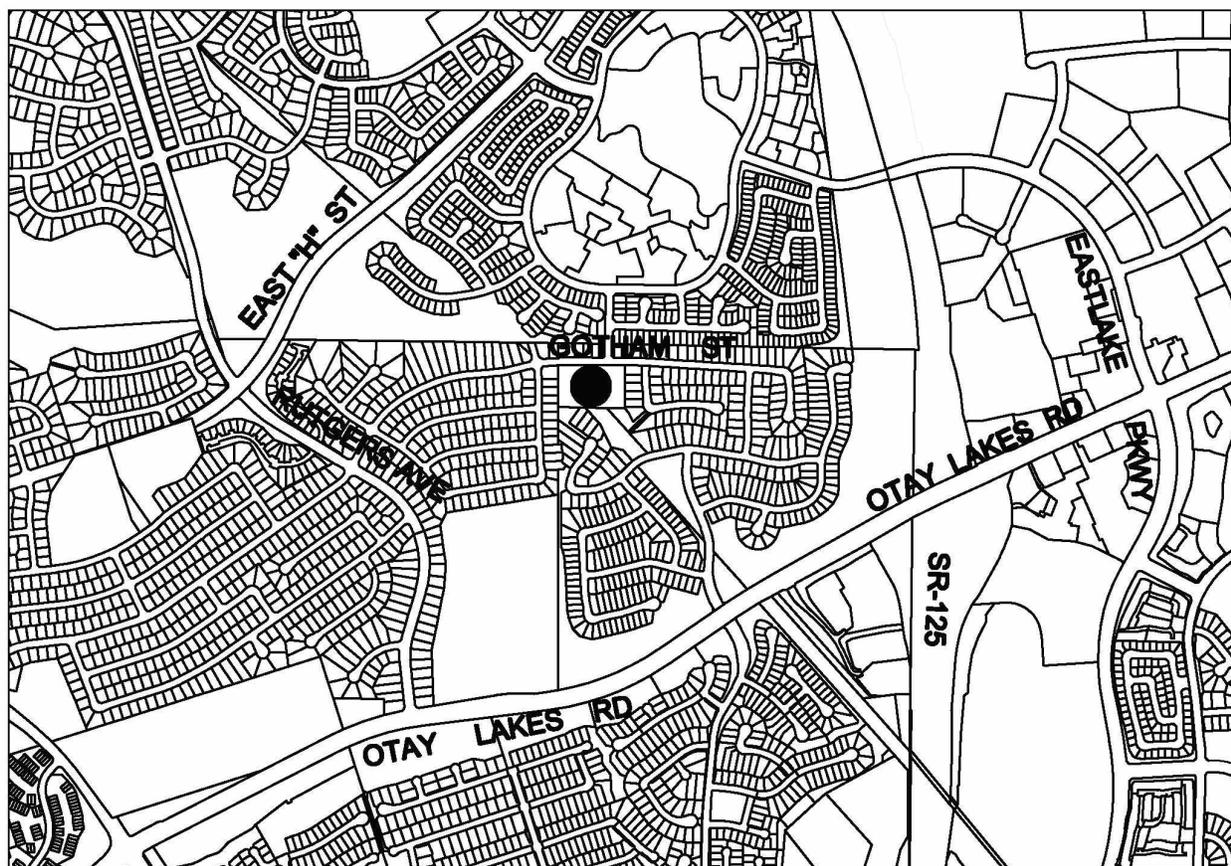
PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/09	08/10	\$4
DESIGN:	09/10	12/10	\$15
CONSTRUCTION:	01/11	06/12	\$931

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION: Thomas Bros. Map: 1311

OWD Map Book: 130



Submitted By: Bob Kennedy

Date: 03/17/2009

**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:	I.D. LOCATION: District Wide
RELATED CIP PROJECTS: P2495	PRIORITY: 1
	BUDGET AMOUNT: \$226,000

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	2010	2011	2012	2013	2014	2015	TOTAL
	\$141	\$75	\$10				\$226

**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	\$226
DESIGN:			
CONSTRUCTION:			

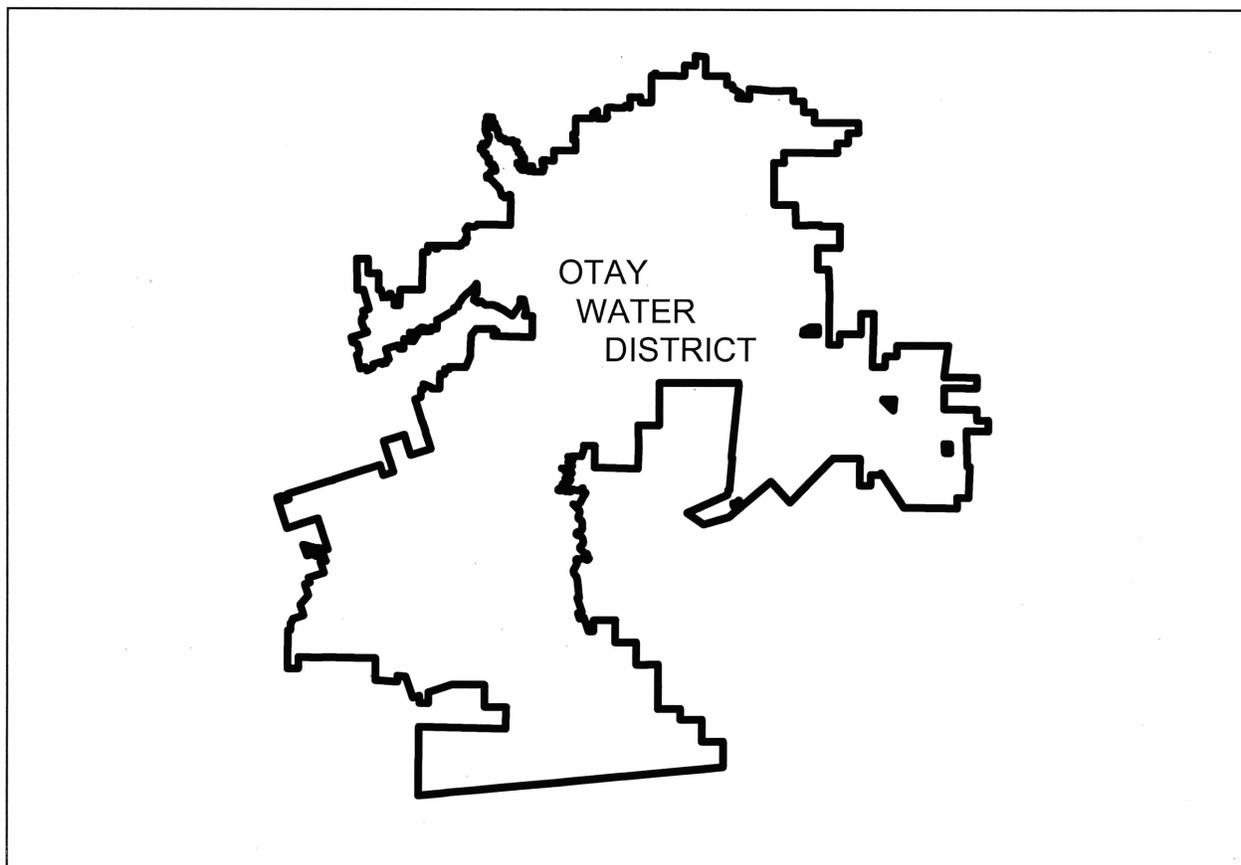
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: District Wide

OWD Map Book: District Wide



Submitted By: Lisa Coburn-Boyd

Date: 02/22/2009

**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:	I.D. LOCATION: 22
RELATED CIP PROJECTS: P2494	PRIORITY: 1
	BUDGET AMOUNT: \$1,000,000

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	2010	2011	2012	2013	2014	2015	TOTAL
	\$225	\$150	\$150	\$175	\$150	\$150	\$1,000

**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	\$100
DESIGN:			
CONSTRUCTION:			\$900

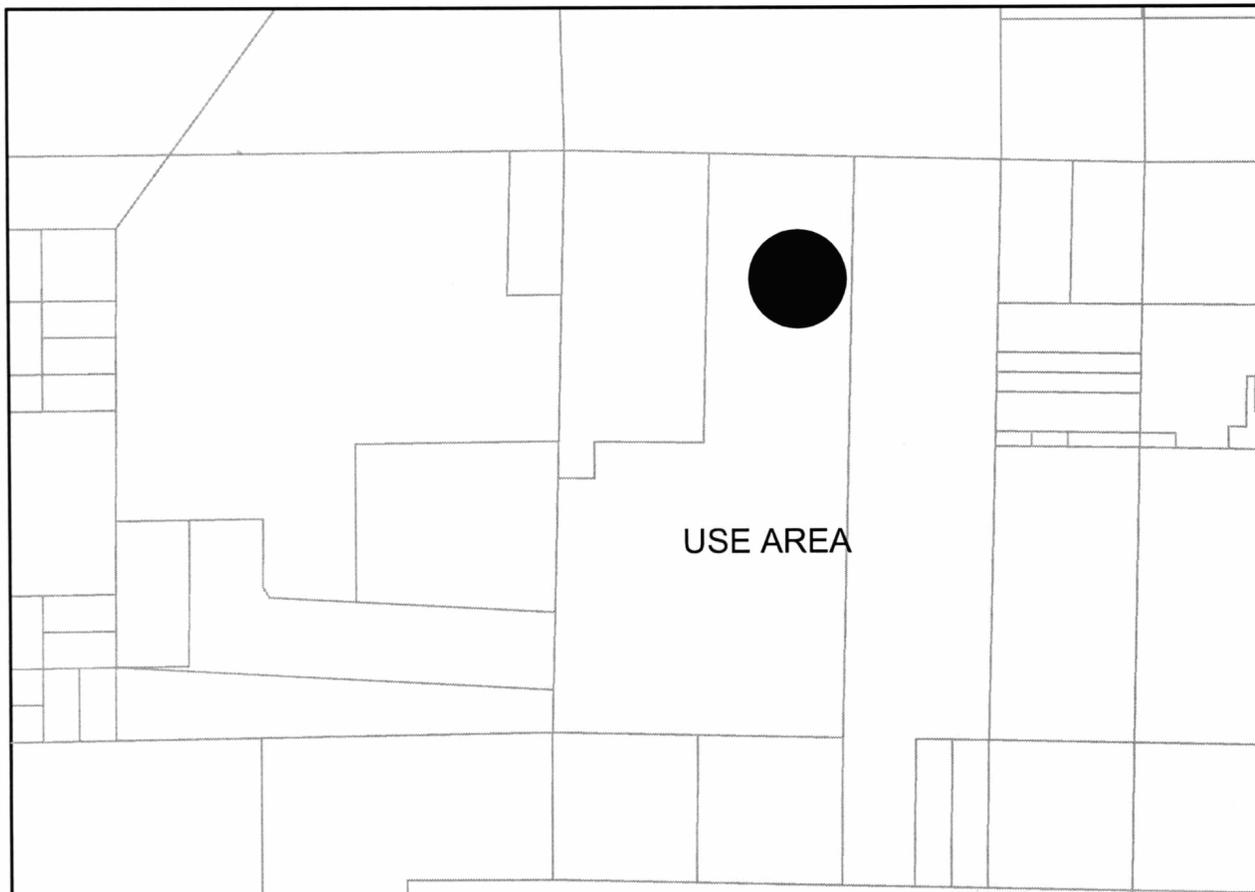
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	
						\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1311

OWD Map Book: 159



Submitted By: Lisa Coburn-Boyd

Date: 02/22/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2496

PROJECT TITLE: Otay Lakes Road Utility Relocations

PROJECT MANAGER: Ripperger	DIRECTOR DIVISION: 4
ORIGINAL APPROVED DATE:	I.D. LOCATION: 5
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$100,000

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	2010	2011	2012	2013	2014	2015	TOTAL
	\$75	\$25					\$100

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2496

PROJECT SCHEDULE:

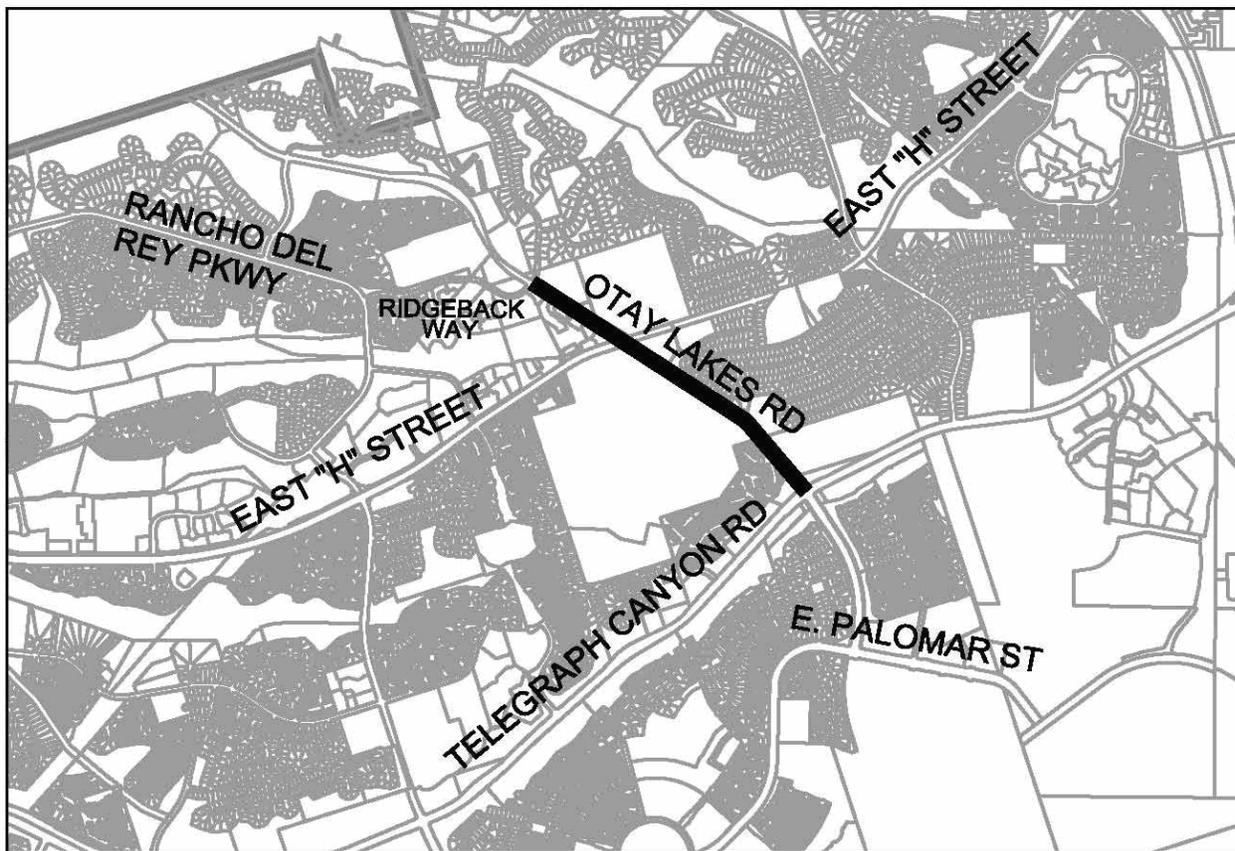
PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/09	08/09	\$4
DESIGN:	09/09	10/09	\$11
CONSTRUCTION:	01/09	06/11	\$85

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION: Thomas Bros. Map: 1311

OWD Map Book: 113



Submitted By: Ron Ripperger

Date: 03/24/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2086

PROJECT TITLE: RWCWRF Force Main AirVac Replacements and Road Improvements

PROJECT MANAGER: Kay	DIRECTOR DIVISION: 3
ORIGINAL APPROVED DATE: 5/23/2005	I.D. LOCATION: -
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$1,325,000

DESCRIPTION OF PROJECT:

Replacement of 21 existing two inch air release and vacuum valves on the recycled water force main from the RWCWRF to the Use Area with improved capacity and corrosion resistance features. The existing seven isolation valves on the force main will be replaced. The existing roadway along the force main will be improved.

JUSTIFICATION OF PROJECT:

The existing air release and vacuum valves on the force main have failed frequently, which causes unauthorized discharges of recycled water. The existing isolation valves are corroded and exhibit signs of leakage. The existing access road along the force main is damaged and improvements will increase safety for operations personnel.

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	2010	2011	2012	2013	2014	2015	TOTAL
\$1,285	\$40						\$1,325

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2086

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/05	07/06	\$53
DESIGN:	08/06	05/08	\$146
CONSTRUCTION:	06/08	09/09	\$1,126

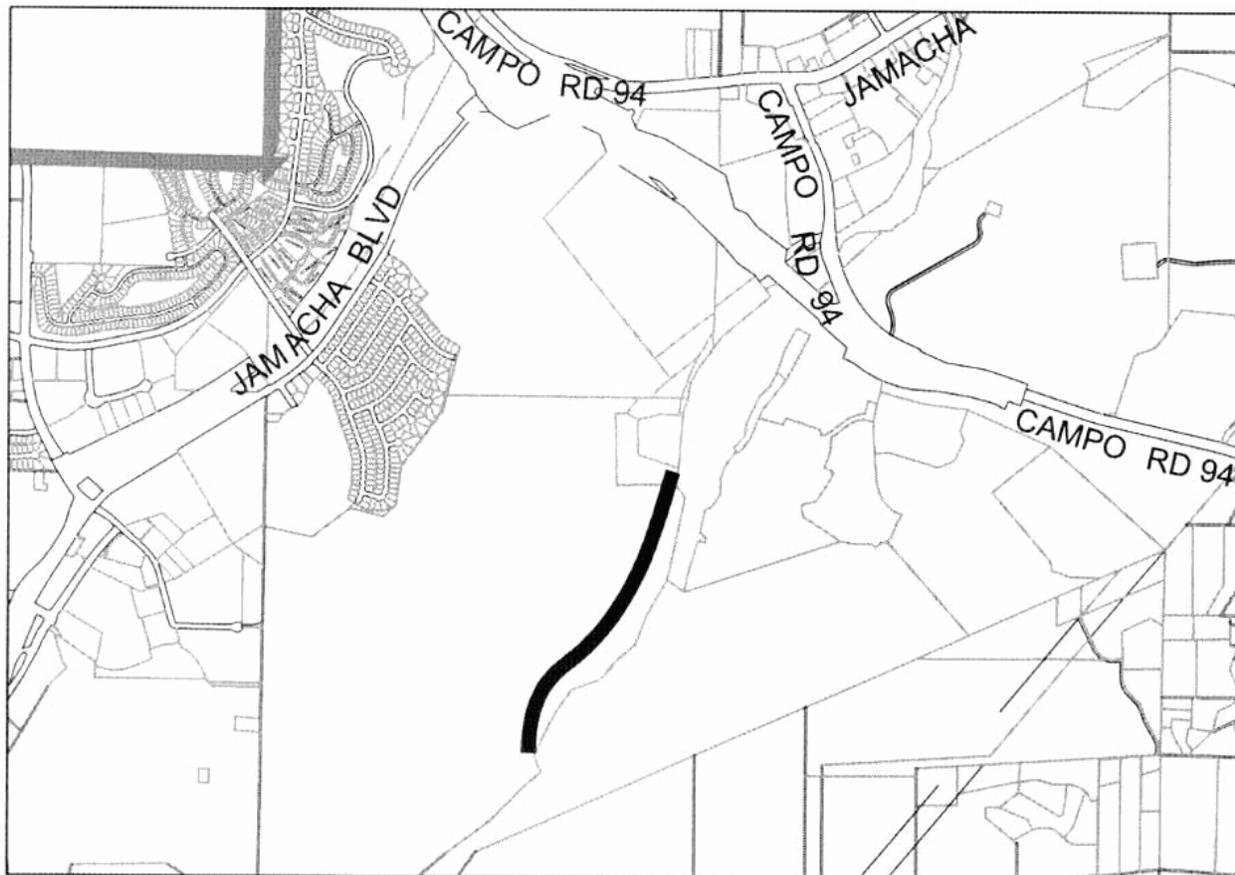
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1271

OWD Map Book: 319



Submitted By: Daniel Kay

Date: 02/22/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2095

PROJECT TITLE: RWCWRF - Filter Storage Reservoir Cover Replacement

PROJECT MANAGER: Ripperger	DIRECTOR DIVISION: 3
ORIGINAL APPROVED DATE:	I.D. LOCATION: 20
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$75,000

DESCRIPTION OF PROJECT:

This project funds the replacement of the existing flexible membrane cover on the filter water storage tank.

JUSTIFICATION OF PROJECT:

The existing cover is damaged and is in need 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	2010	2011	2012	2013	2014	2015	TOTAL
	\$75						\$75

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2095

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:			\$3
DESIGN:			\$8
CONSTRUCTION:	07/09	06/10	\$64

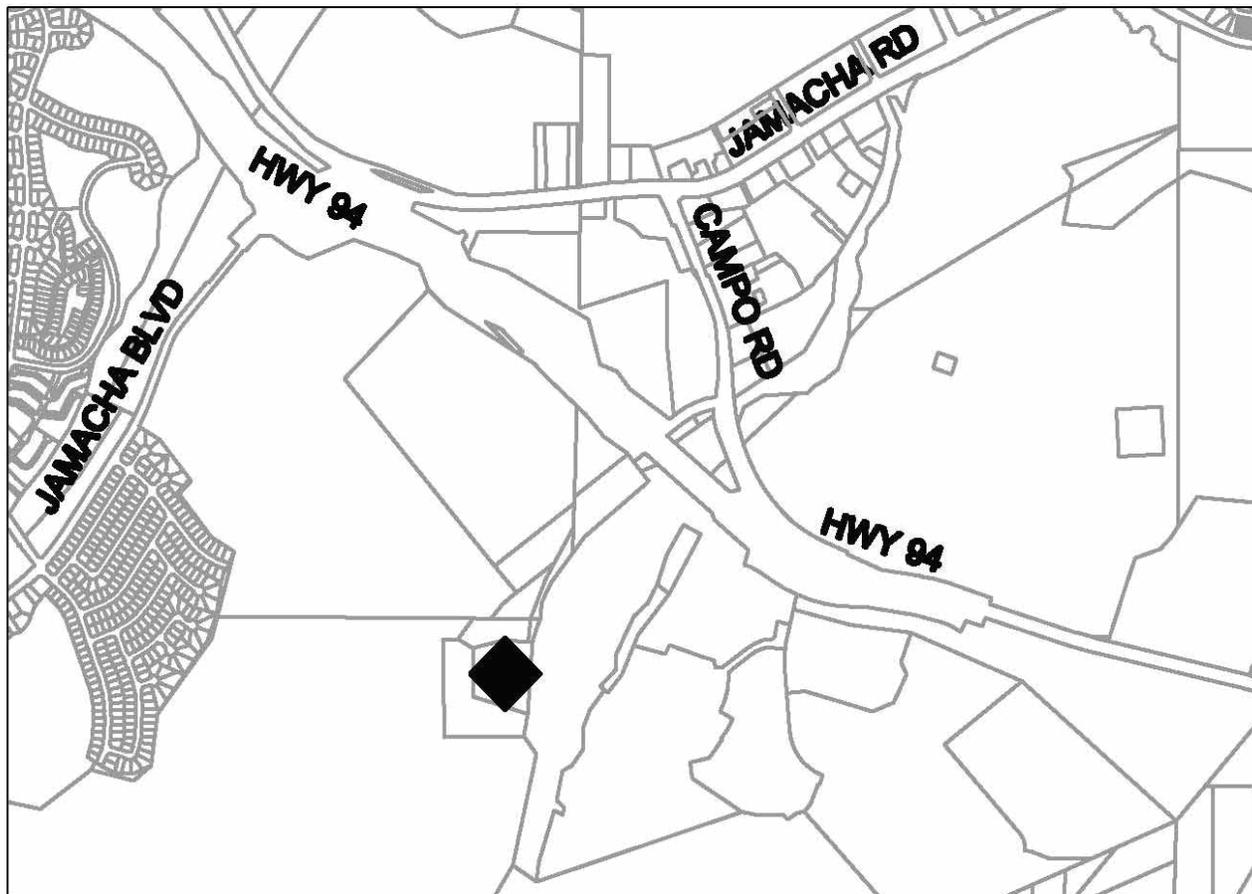
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	
						\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1271

OWD Map Book: 319



Submitted By: Ron Ripperger

Date: 02/13/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: R2096

PROJECT TITLE: RWCWRF - Blower System Rehabilitation/Replacement

PROJECT MANAGER: Kennedy	DIRECTOR DIVISION: 3
ORIGINAL APPROVED DATE:	I.D. LOCATION: 20
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$1,000,000

DESCRIPTION OF PROJECT:

This project includes the rehabilitation of the RWCWRF blower system and air pipeline 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.

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	2010	2011	2012	2013	2014	2015	TOTAL
	\$800	\$200					\$1,000

**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	06/11	\$850

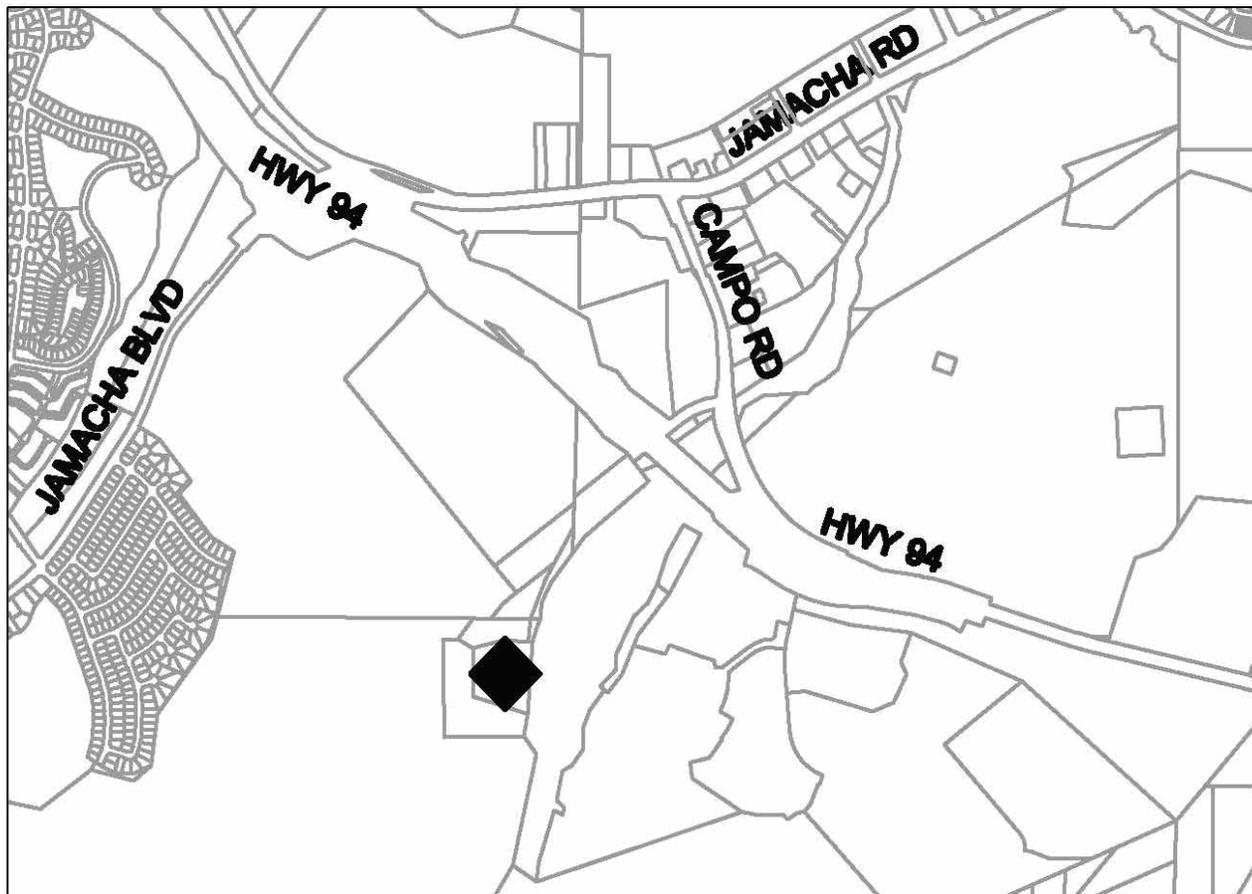
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	
						\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1271

OWD Map Book: 319



Submitted By: Lisa Coburn-Boyd

Date: 02/13/2009

**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: \$3,030,000

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	2010	2011	2012	2013	2014	2015	TOTAL
\$2,200	\$300	\$130	\$100	\$100	\$100	\$100	\$3,030

**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	\$121
DESIGN:			\$333
CONSTRUCTION:			\$2,576

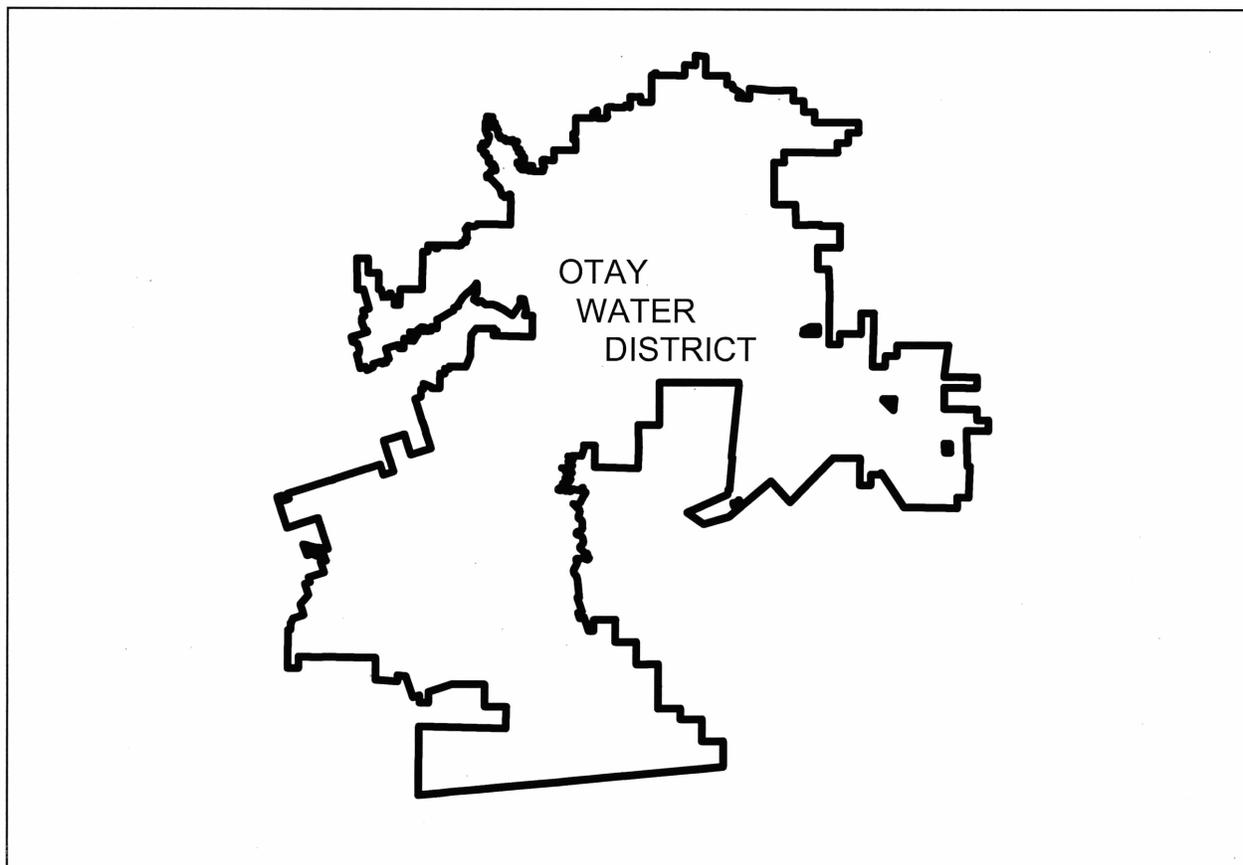
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	
						\$0.00

PROJECT LOCATION:

Thomas Bros. Map: District Wide

OWD Map Book: District Wide



Submitted By: Jim Peasley

Date: 02/13/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: S2015

PROJECT TITLE: Calavo Lift Station Replacement

PROJECT MANAGER: Kay	DIRECTOR DIVISION: 5
ORIGINAL APPROVED DATE: 5/23/2005	I.D. LOCATION: 14
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$560,000

DESCRIPTION OF PROJECT:

Construction of a new sewer lift station to replace the existing lift station.

JUSTIFICATION OF PROJECT:

The existing lift station has no remaining useful life, has groundwater intrusion problems, and replacement and repair components are hard to find.

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	2010	2011	2012	2013	2014	2015	TOTAL
\$550	\$10						\$560

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: S2015

PROJECT SCHEDULE:

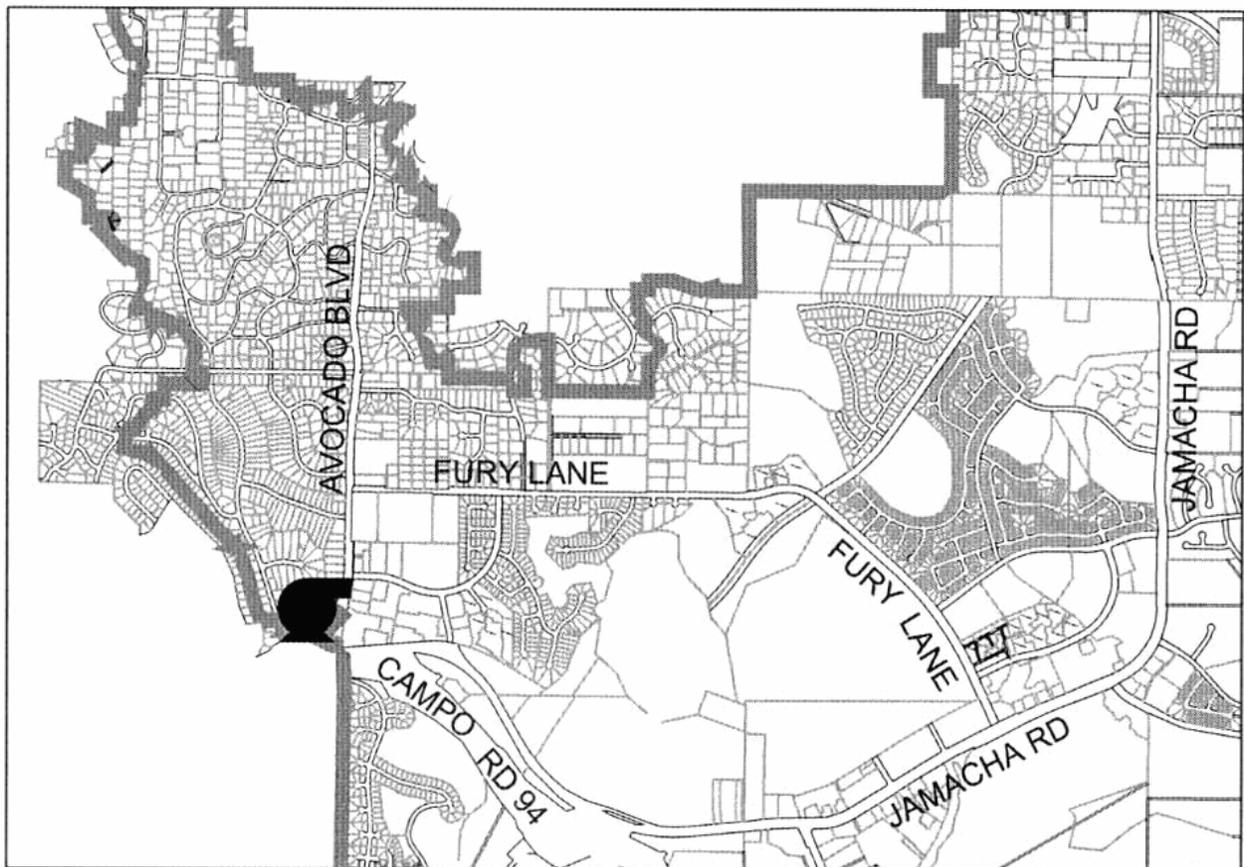
PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	12/05	08/06	\$58
DESIGN:	09/06	02/08	\$125
CONSTRUCTION:	03/08	12/09	\$377

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION: Thomas Bros. Map: 1271

OWD Map Book: 342



Submitted By: Daniel Kay

Date: 02/27/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: S2019

PROJECT TITLE: Avocado Boulevard 8-Inch Sewer Main Improvement

PROJECT MANAGER: Kennedy	DIRECTOR DIVISION: 5
ORIGINAL APPROVED DATE:	I.D. LOCATION: 18
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$1,632,000

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 must of increased capacity 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	2010	2011	2012	2013	2014	2015	TOTAL
	\$600	\$1,032					\$1,632

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: S2019

PROJECT SCHEDULE:

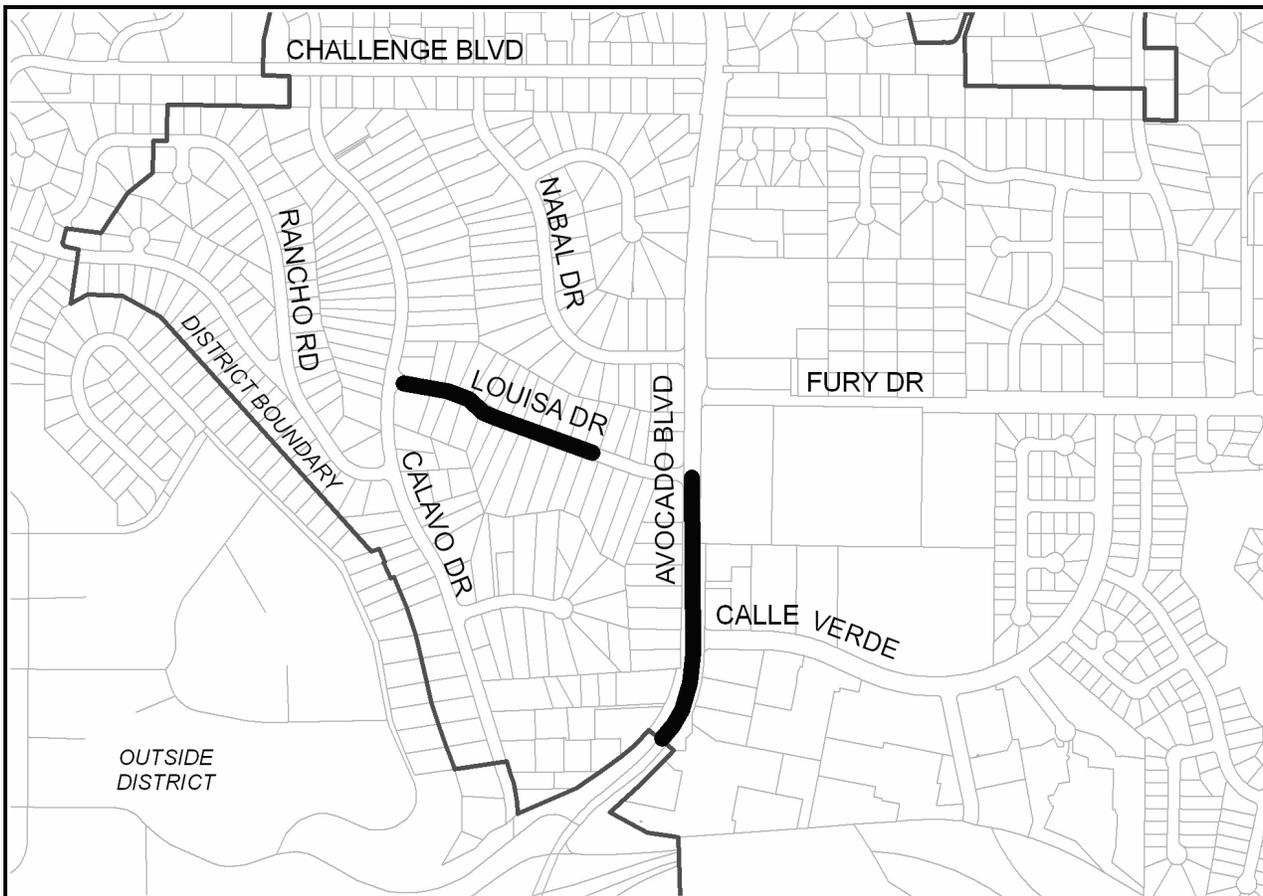
PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/09	02/10	\$65
DESIGN:	03/10	09/10	\$180
CONSTRUCTION:	10/10	06/11	\$1,387

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION: Thomas Bros. Map: 1271

OWD Map Book: 342



Submitted By: Bob Kennedy

Date: 03/17/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: S2020

PROJECT TITLE: Calavo Drive 8-Inch Sewer Main Replacement

PROJECT MANAGER: Kennedy	DIRECTOR DIVISION: 5
ORIGINAL APPROVED DATE:	I.D. LOCATION: 18
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$350,000

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 must of increased capacity 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	2010	2011	2012	2013	2014	2015	TOTAL
	\$40	\$300	\$10				\$350

**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	\$39
CONSTRUCTION:	10/10	06/11	\$297

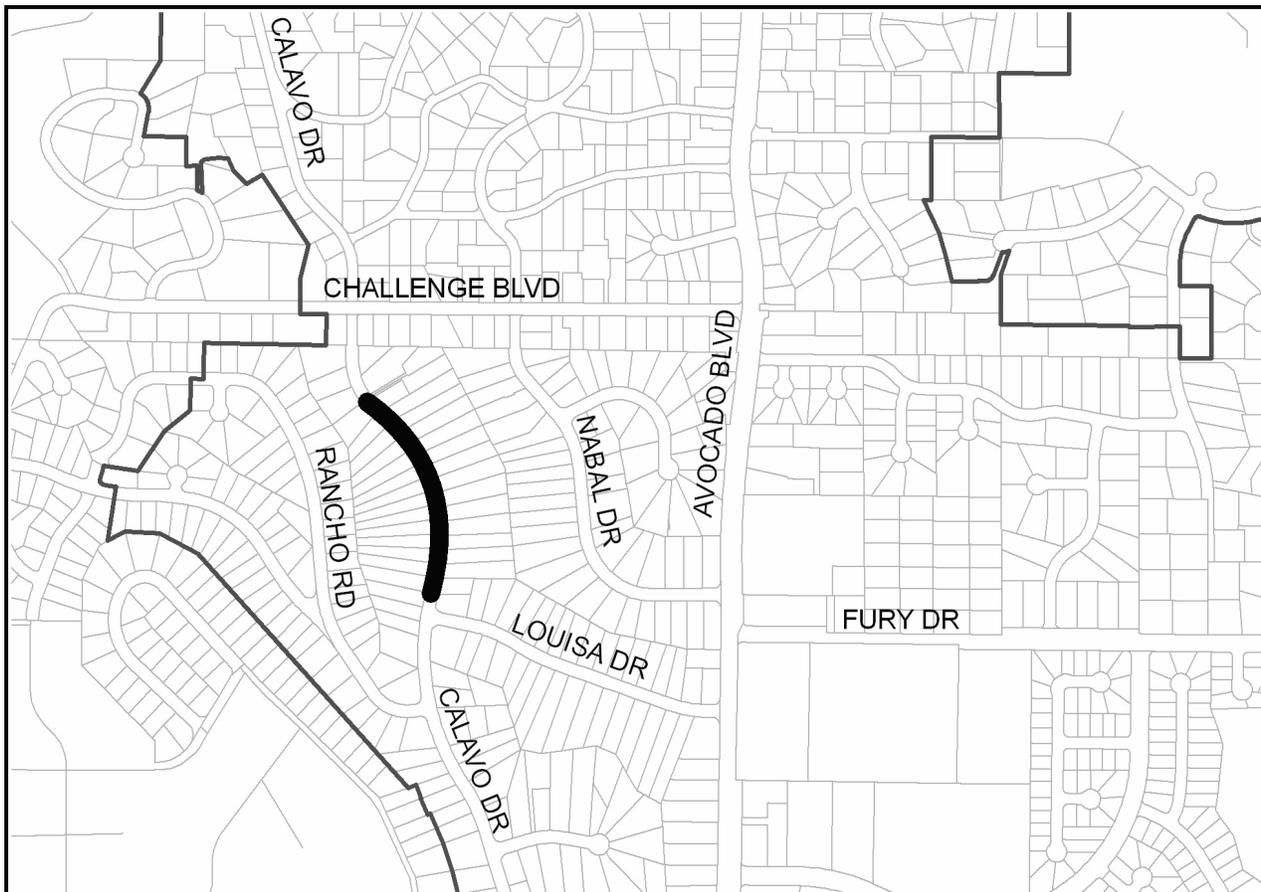
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1271

OWD Map Book: 342



Submitted By: Bob Kennedy

Date: 03/17/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: S2021

PROJECT TITLE: Jamacha Road 8-Inch Sewer Main Replacement

PROJECT MANAGER: Kennedy	DIRECTOR DIVISION: 5
ORIGINAL APPROVED DATE:	I.D. LOCATION: 18
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$150,000

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 must of increased capacity 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	2010	2011	2012	2013	2014	2015	TOTAL
	\$30	\$110	\$10				\$150

**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	\$17
CONSTRUCTION:	10/10	06/11	\$127

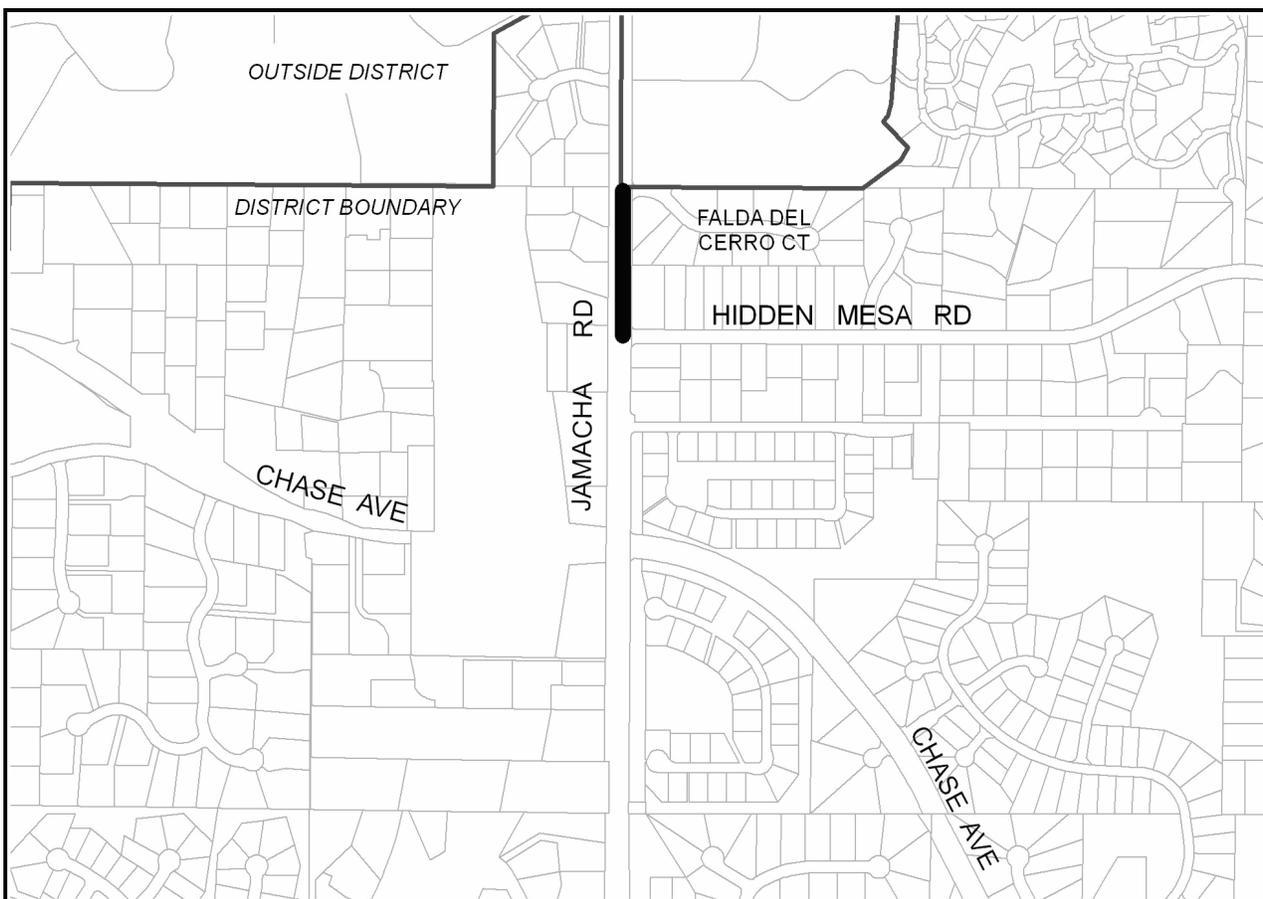
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1272

OWD Map Book: 368



Submitted By: Bob Kennedy

Date: 03/17/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: S2022

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

PROJECT MANAGER: Kennedy	DIRECTOR DIVISION: 5
ORIGINAL APPROVED DATE:	I.D. LOCATION: 18
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$50,000

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 must of increased capacity 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	2010	2011	2012	2013	2014	2015	TOTAL
	\$5	\$40	\$5				\$50

**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	\$6
CONSTRUCTION:	10/10	06/11	\$42

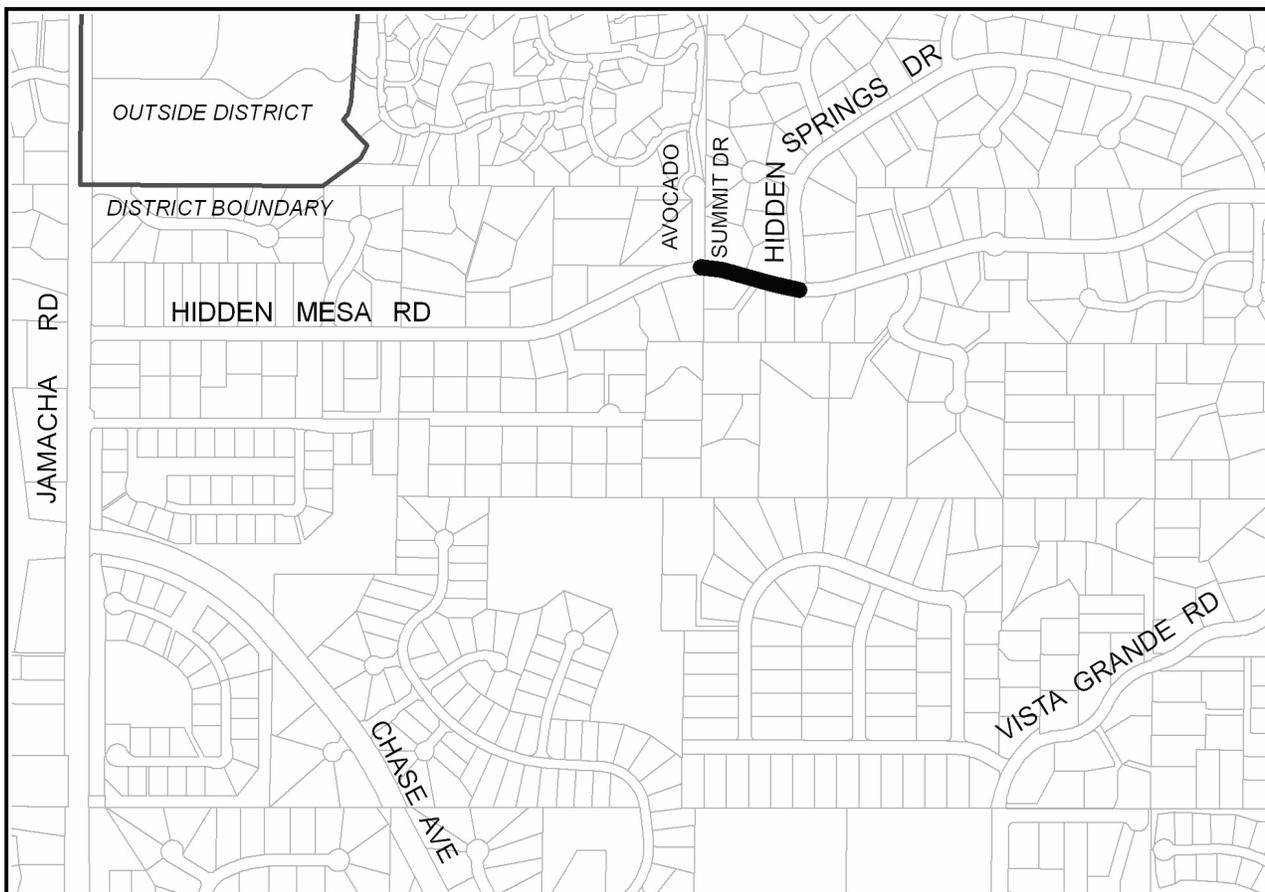
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1272

OWD Map Book: 368



Submitted By: Bob Kennedy

Date: 03/17/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: S2023

PROJECT TITLE: Calavo Drive Sewer Main Utility Relocation

PROJECT MANAGER: Ripperger	DIRECTOR DIVISION: 5
ORIGINAL APPROVED DATE:	I.D. LOCATION: 14
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$50,000

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	2010	2011	2012	2013	2014	2015	TOTAL
	\$50						\$50

**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	\$6
CONSTRUCTION:	02/10	06/10	\$42

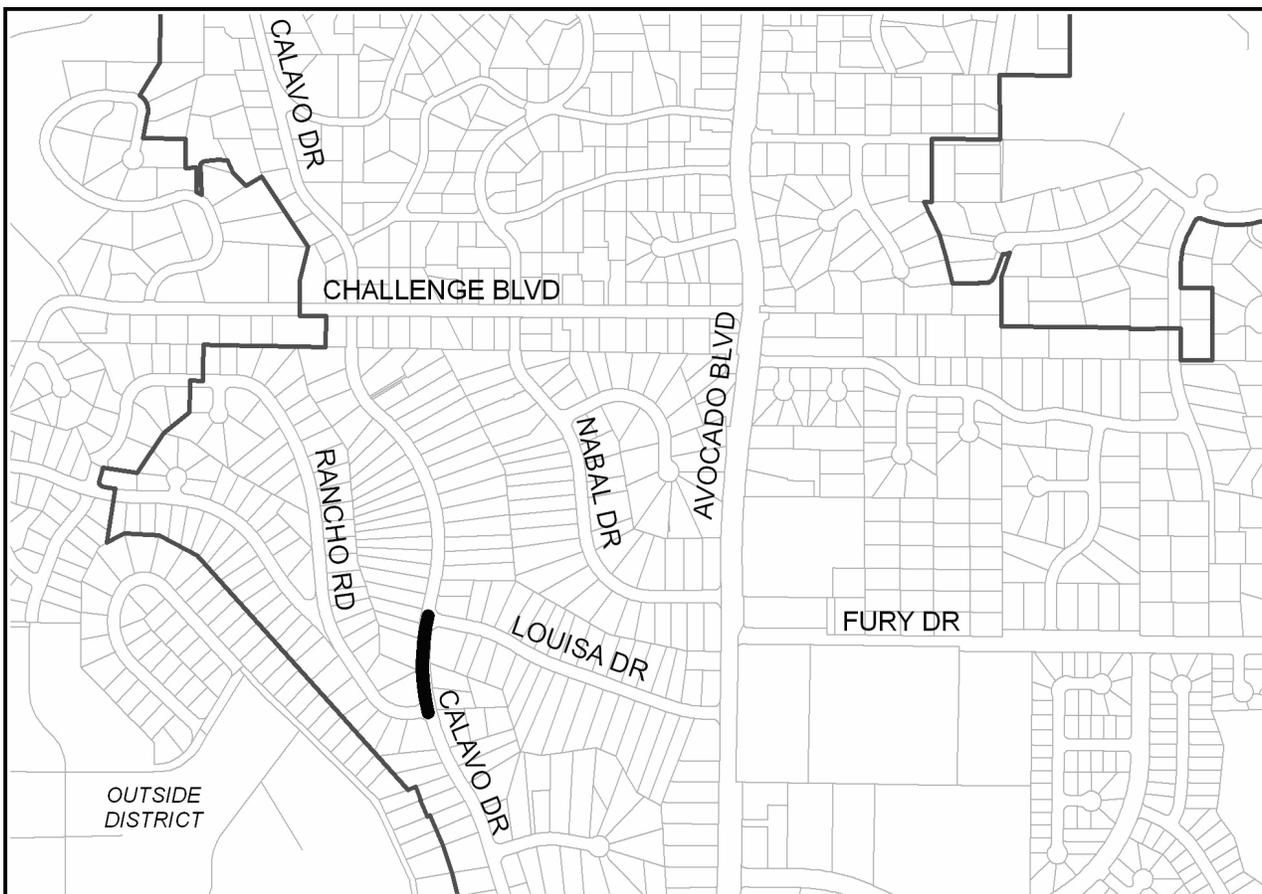
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1271

OWD Map Book: 342



Submitted By: Ron Ripperger

Date: 04/15/2009

**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: \$4,311,000

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:

It is planned to purchase twelve vehicles in fiscal year 2009.

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	2010	2011	2012	2013	2014	2015	TOTAL
\$1,583	\$484	\$410	\$420	\$640	\$392	\$382	\$4,311

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2282

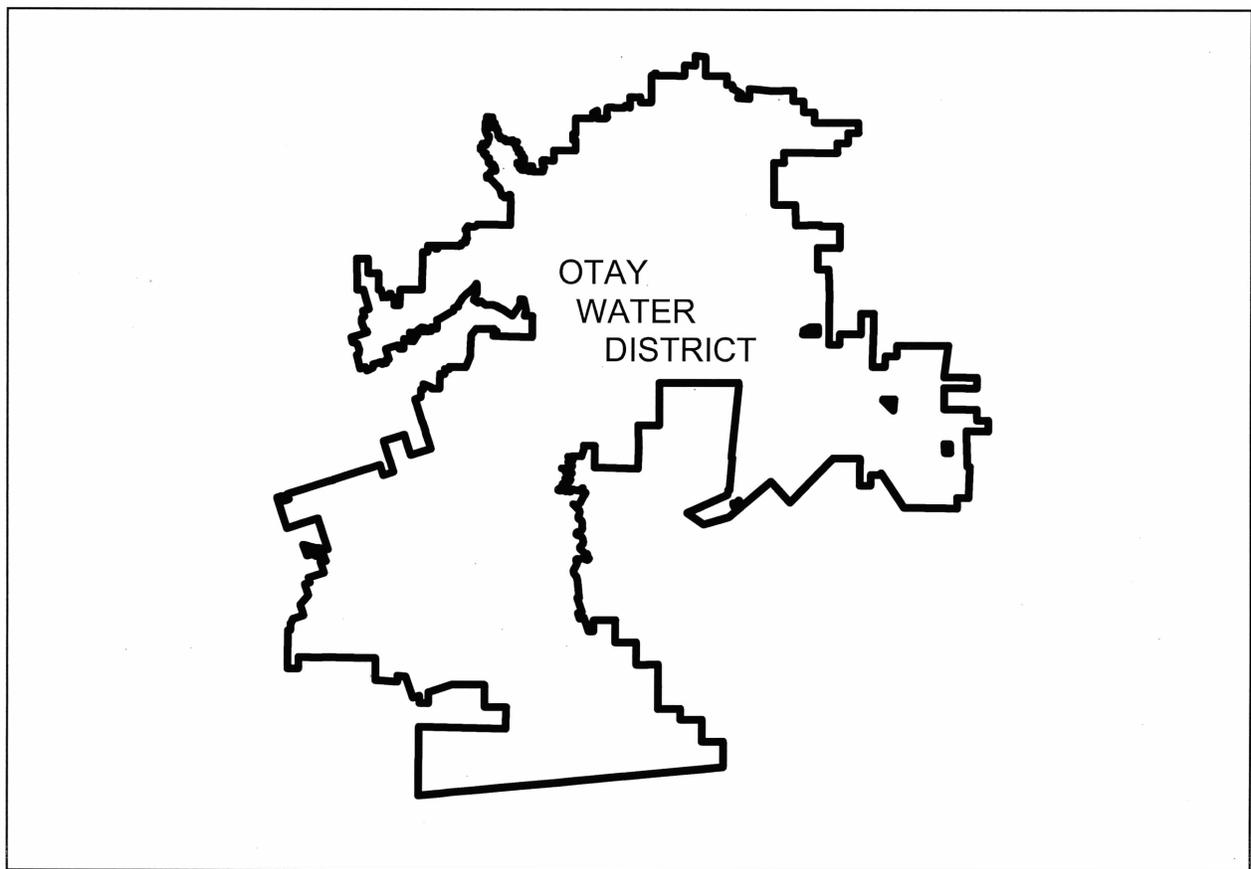
PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	12/00	06/15	
DESIGN:			
CONSTRUCTION:			\$4,311

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION: **Thomas Bros. Map:** District Wide **OWD Map Book:** District Wide



Submitted By: Doug Rahders

Date: 03/09/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2285

PROJECT TITLE: Office Equipment and Furniture Capital Purchases

PROJECT MANAGER: Dobrawa	DIRECTOR DIVISION: District Wide
ORIGINAL APPROVED DATE: 6/3/1996	I.D. LOCATION: District Wide
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$532,000

DESCRIPTION OF PROJECT:

This project provides funding for capital purchase of various office equipment and furniture items used for daily Otay WD functions.

JUSTIFICATION OF PROJECT:

Replacements or new acquisitions of office equipment and furniture will be used for operational and administrative functions throughout the entire Otay WD.

COMMENTS:

FUND DETAIL:

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	2010	2011	2012	2013	2014	2015	TOTAL
\$392	\$40	\$20	\$20	\$20	\$20	\$20	\$532

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2285

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	12/00	06/15	
DESIGN:			
CONSTRUCTION:			\$532

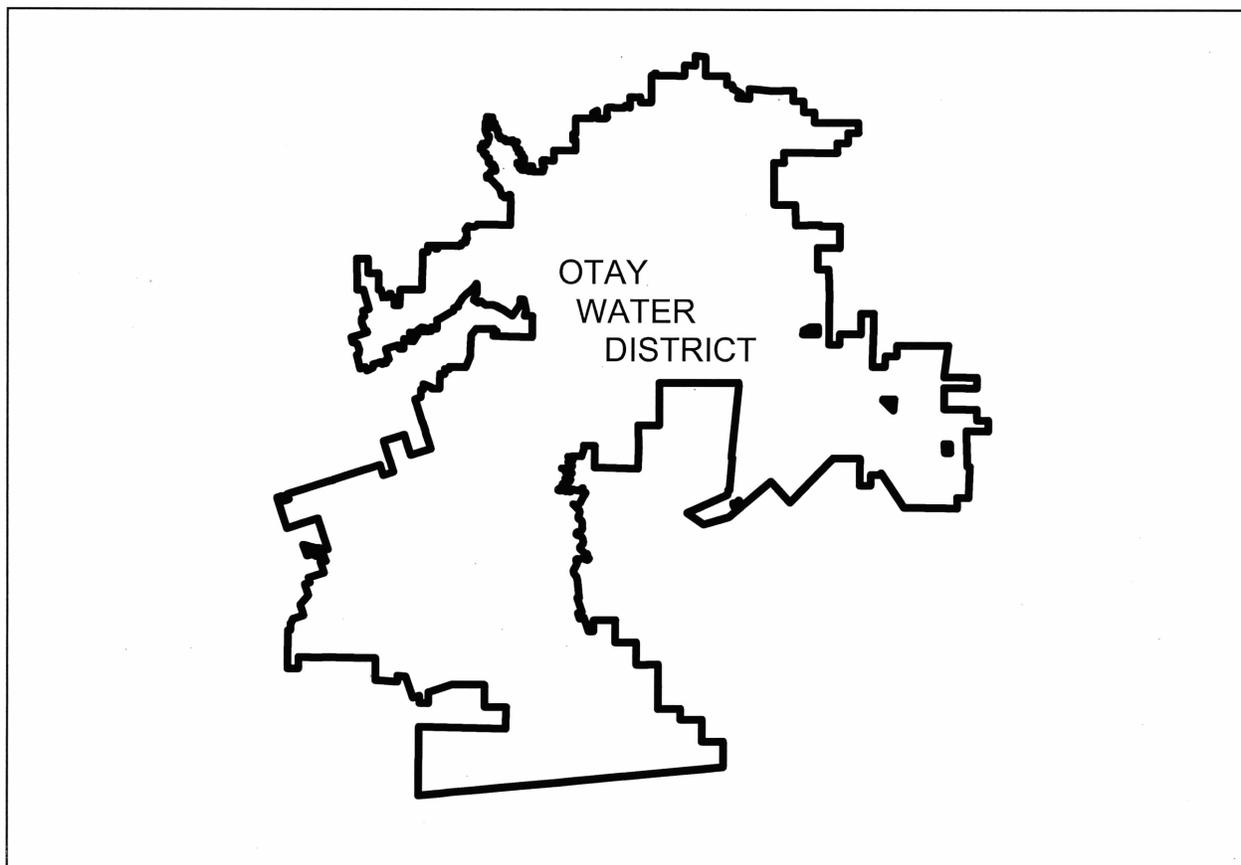
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: District Wide

OWD Map Book: District Wide



Submitted By: Steve Dobrawa

Date: 03/19/2009

**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: \$1,075,000

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	2010	2011	2012	2013	2014	2015	TOTAL
\$662	\$183	\$65	\$50	\$50	\$50	\$15	\$1,075

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2286

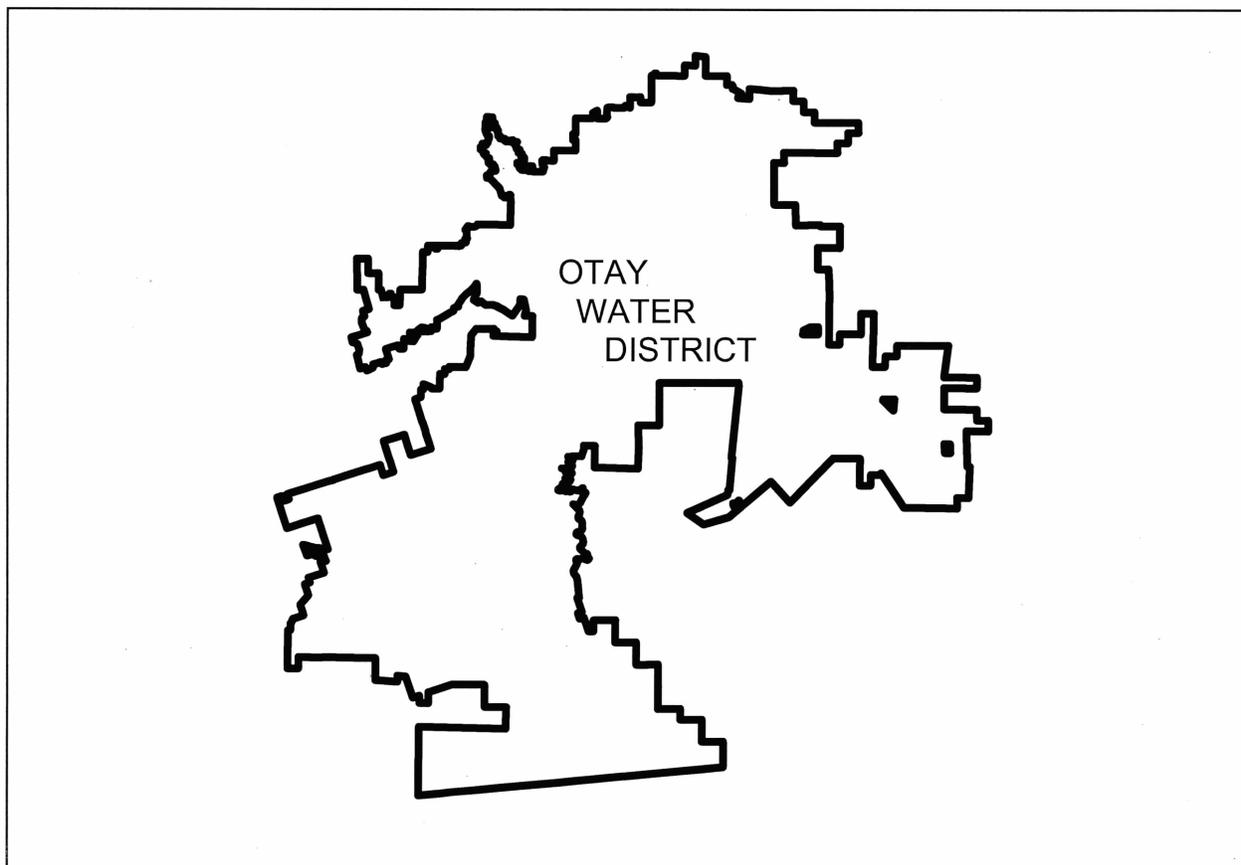
PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	12/00	06/15	
DESIGN:			
CONSTRUCTION:			\$1,075

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	
						\$0.00

PROJECT LOCATION: **Thomas Bros. Map:** District Wide **OWD Map Book:** District Wide



Submitted By: Doug Rahders

Date: 03/11/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2443

PROJECT TITLE: Information Technology Mobile Services

PROJECT MANAGER: Stevens	DIRECTOR DIVISION: District Wide
ORIGINAL APPROVED DATE: 5/23/2005	I.D. LOCATION: District Wide
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$1,352,000

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:

FUND DETAIL:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund	25%		75%	100%
TOTAL:	25%		75%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2010	2011	2012	2013	2014	2015	TOTAL
\$902	\$150	\$100	\$100	\$100			\$1,352

**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	\$5
DESIGN:			
CONSTRUCTION:			\$1,347

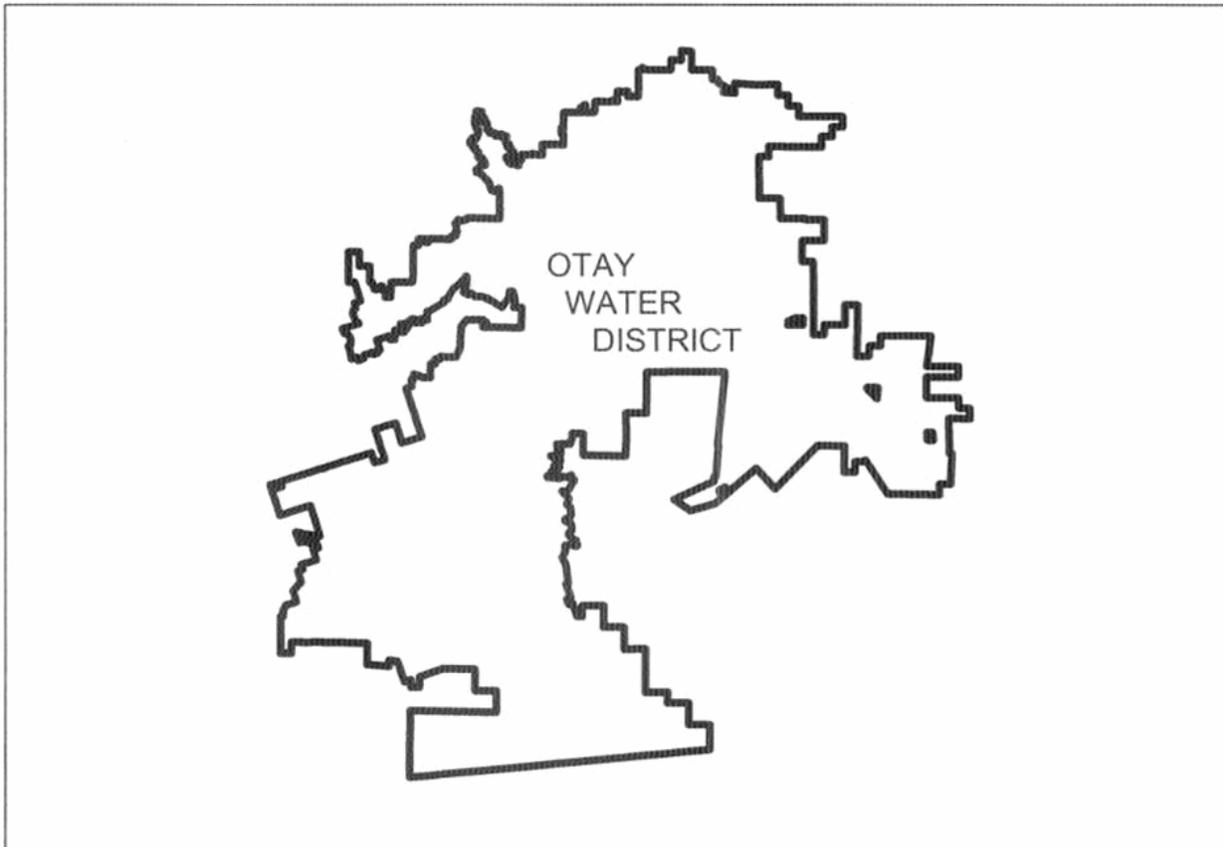
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	
\$18,000	\$18,500	\$19,100	\$19,700	\$20,300	\$20,900	\$116,500

PROJECT LOCATION:

Thomas Bros. Map: District Wide

OWD Map Book: District Wide



Submitted By: Geoff Stevens

Date: 02/19/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2461

PROJECT TITLE: Records Management System Upgrade

PROJECT MANAGER: Jenkins	DIRECTOR DIVISION: District Wide
ORIGINAL APPROVED DATE: 5/29/2007	I.D. LOCATION: District Wide
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$256,000

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.

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:

FUND DETAIL:

FUNDING SOURCE:	Expansion	Betterment	Replacement	Total
General Fund	25%		75%	100%
TOTAL:	25%		75%	100%

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2010	2011	2012	2013	2014	2015	TOTAL
\$156	\$100						\$256

**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	06/10	\$5
DESIGN:			
CONSTRUCTION:			\$251

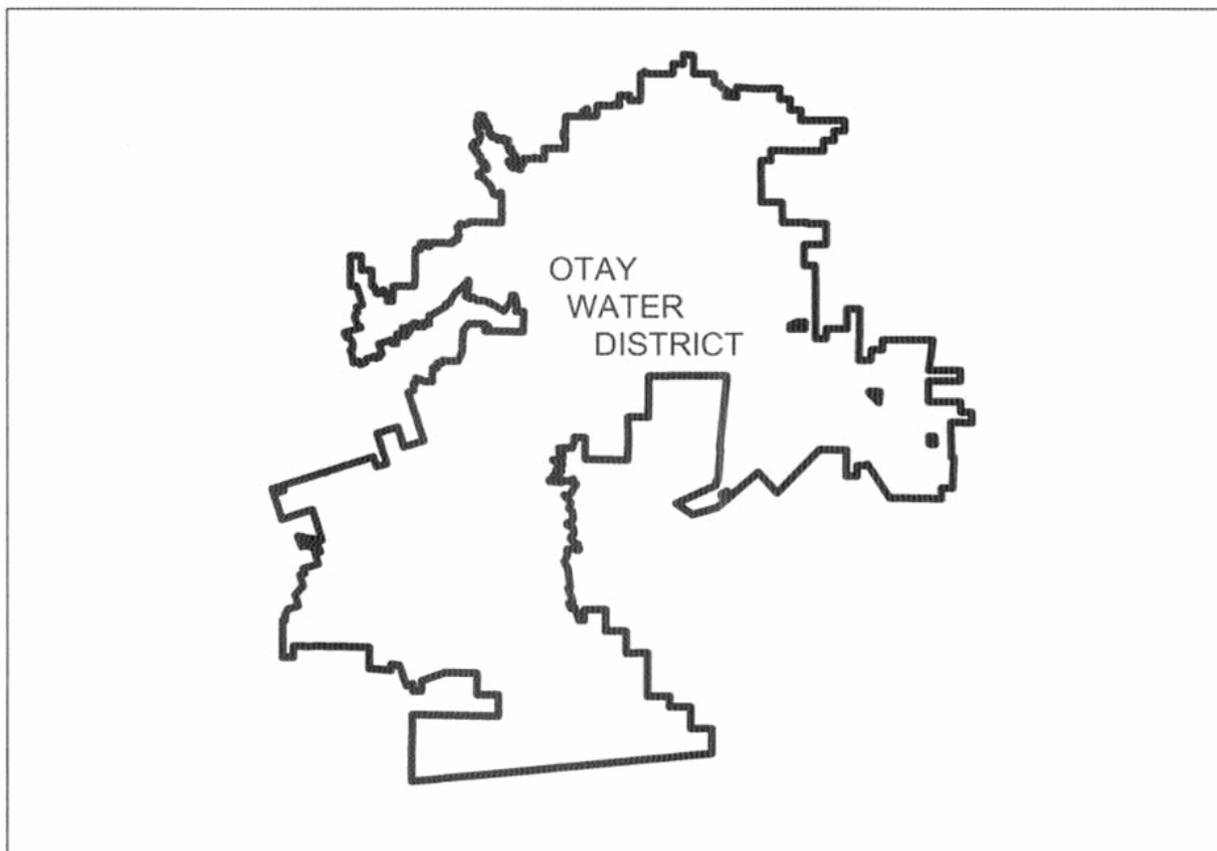
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	
						\$0.00

PROJECT LOCATION:

Thomas Bros. Map: District Wide

OWD Map Book: District Wide



Submitted By: Bill Jenkins

Date: 02/19/2009

**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: \$1,900,000

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:

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	2010	2011	2012	2013	2014	2015	TOTAL
\$250	\$300	\$200	\$300	\$300	\$300	\$250	\$1,900

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2469

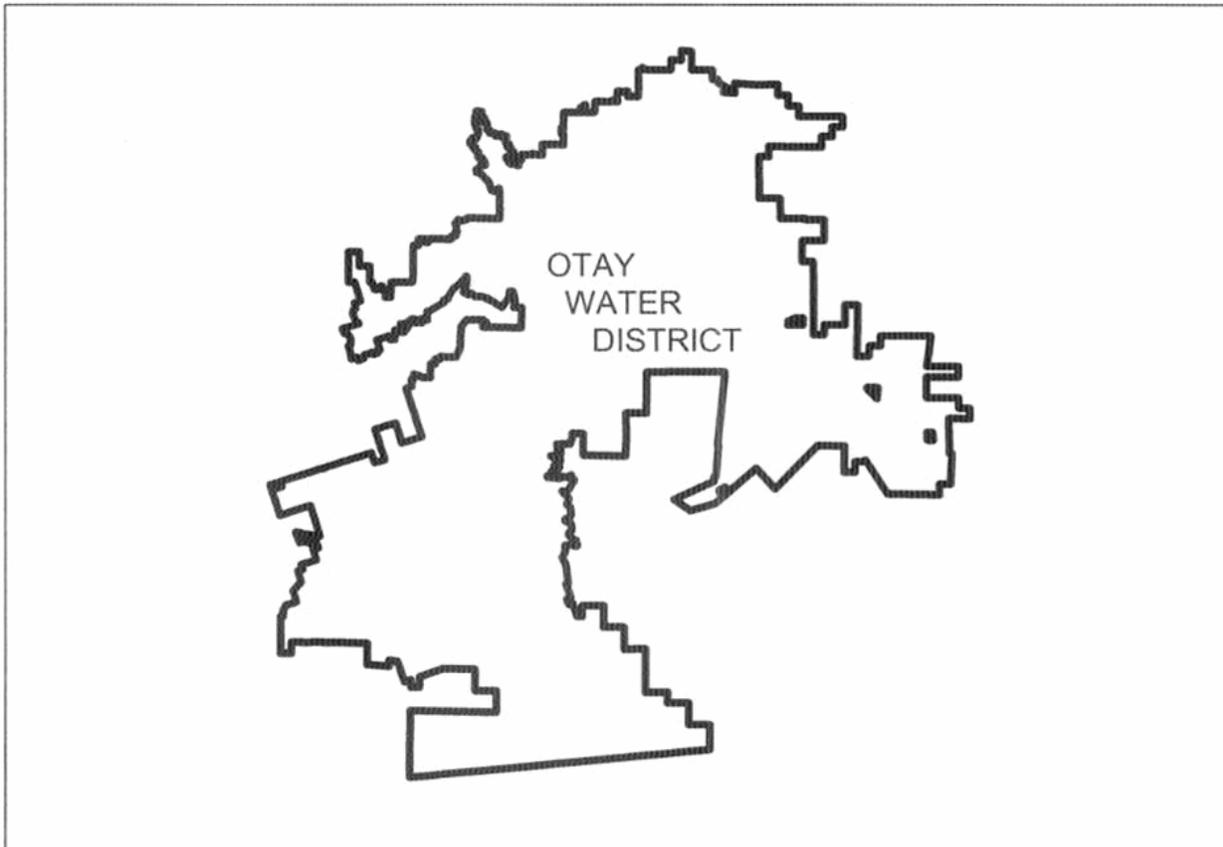
PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/08	06/15	\$6
DESIGN:			
CONSTRUCTION:			\$1,894

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	
						\$0.00

PROJECT LOCATION: **Thomas Bros. Map:** District Wide **OWD Map Book:** District Wide



Submitted By: Bill Jenkins

Date: 02/19/2009

**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: \$1,810,000

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:

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	2010	2011	2012	2013	2014	2015	TOTAL
\$380	\$430	\$200	\$200	\$200	\$200	\$200	\$1,810

**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	06/15	\$5
DESIGN:			
CONSTRUCTION:			\$1,805

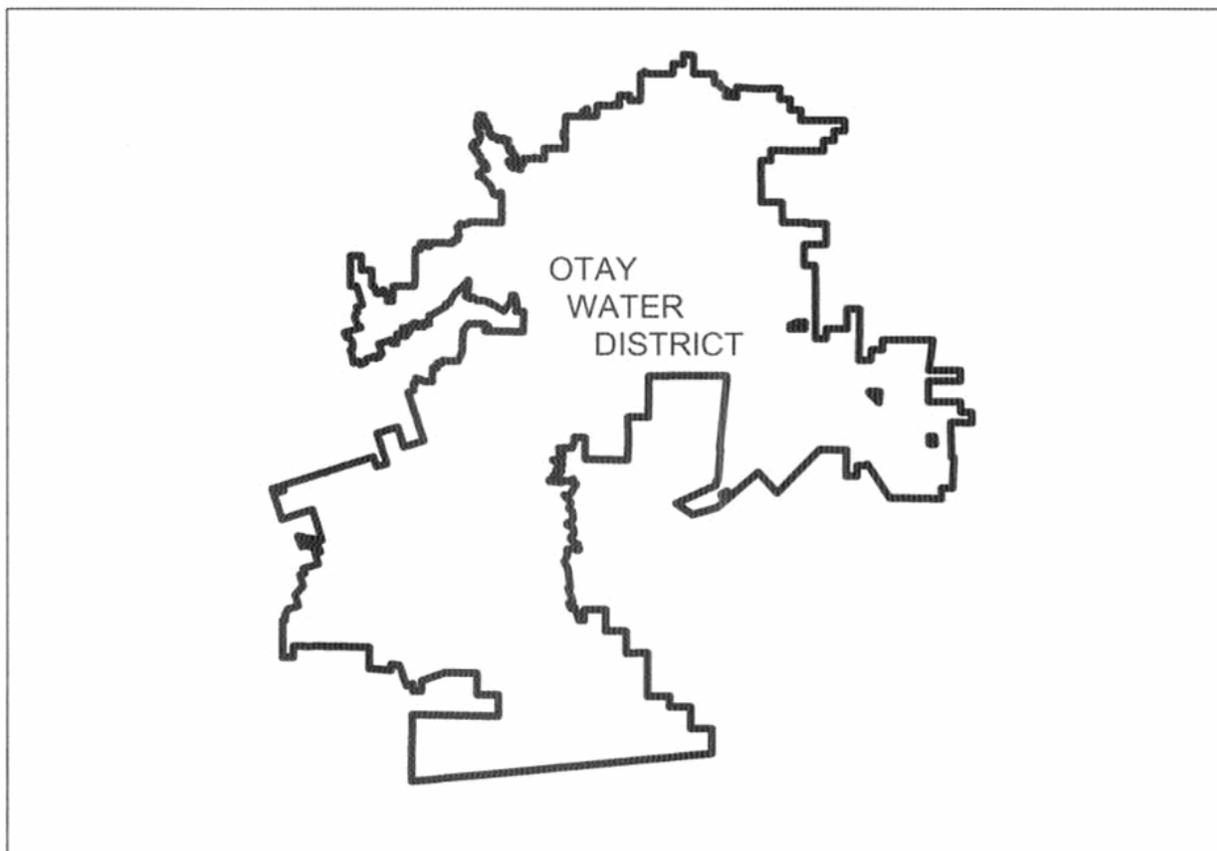
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	
						\$0.00

PROJECT LOCATION:

Thomas Bros. Map: District Wide

OWD Map Book: District Wide



Submitted By: Geoff Stevens

Date: 02/26/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2478

PROJECT TITLE: Administration Building Engine/Generator Set

PROJECT MANAGER: Anderson	DIRECTOR DIVISION: 4
ORIGINAL APPROVED DATE: 6/23/2008	I.D. LOCATION: 20
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$120,000

DESCRIPTION OF PROJECT:

This project is to provide funding for a new engine and generator package to provide backup electrical power for the Administration building. The existing Administration building engine and generator package will be relocated to provide backup electrical power for the Operations building.

JUSTIFICATION OF PROJECT:

The existing engine and generator package to provide backup electrical power for the Administration building is under sized for the electrical load 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	2010	2011	2012	2013	2014	2015	TOTAL
	\$120						\$120

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2478

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:			\$2
DESIGN:			\$4
CONSTRUCTION:	07/08	06/10	\$114

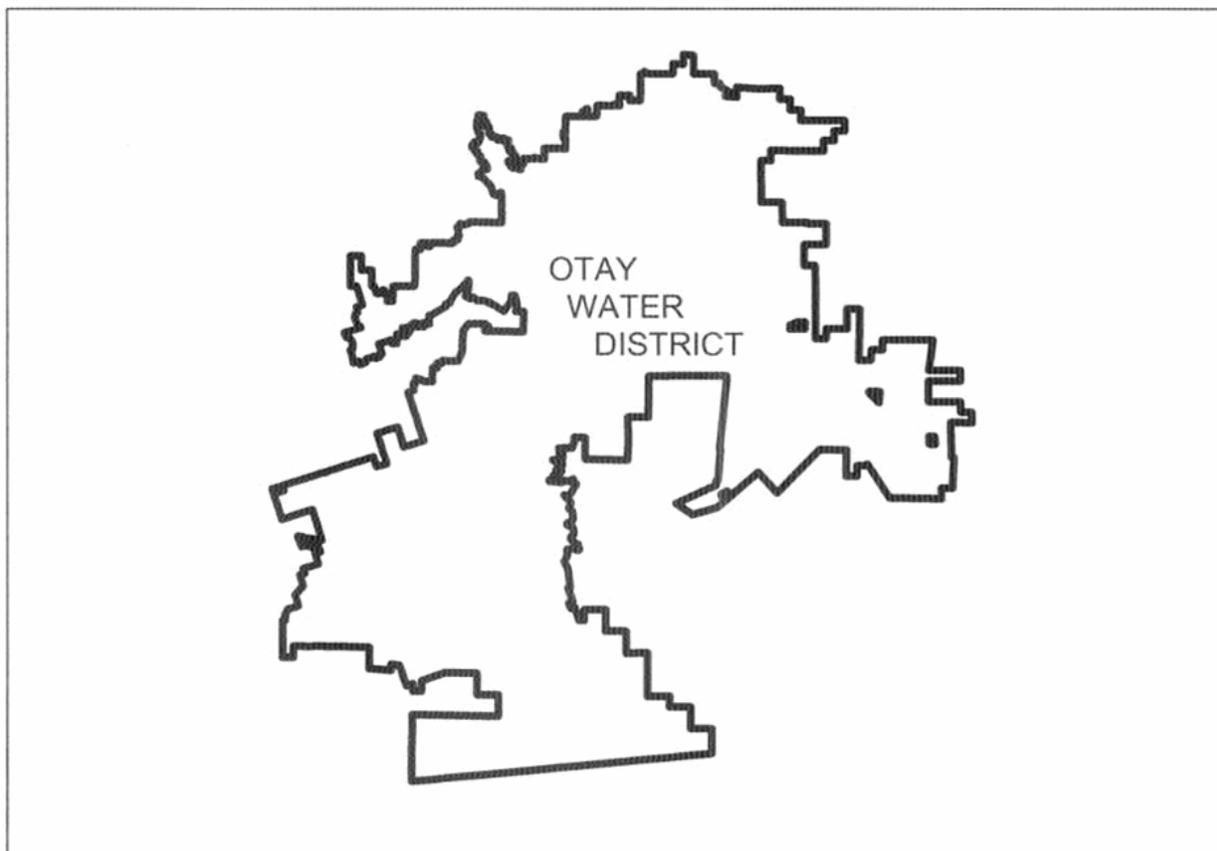
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	
						\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1291

OWD Map Book: 318



Submitted By: Don Anderson

Date: 05/12/2009

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2479

PROJECT TITLE: Operations Yard Property Acquisition

PROJECT MANAGER: Dobrawa	DIRECTOR DIVISION: 4
ORIGINAL APPROVED DATE: 11/13/2008	I.D. LOCATION: 20
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$370,000

DESCRIPTION OF PROJECT:

The project is to purchase property and to provide site improvements such as fencing, grading, and paving for vehicle parking and equipment storage.

JUSTIFICATION OF PROJECT:

The additional land is required to provide flexibility in operations and for future expansion purposes.

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	2010	2011	2012	2013	2014	2015	TOTAL
\$350	\$20						\$370

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2479

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	11/08	06/09	\$370
DESIGN:	07/09	12/09	
CONSTRUCTION:	01/10	06/10	

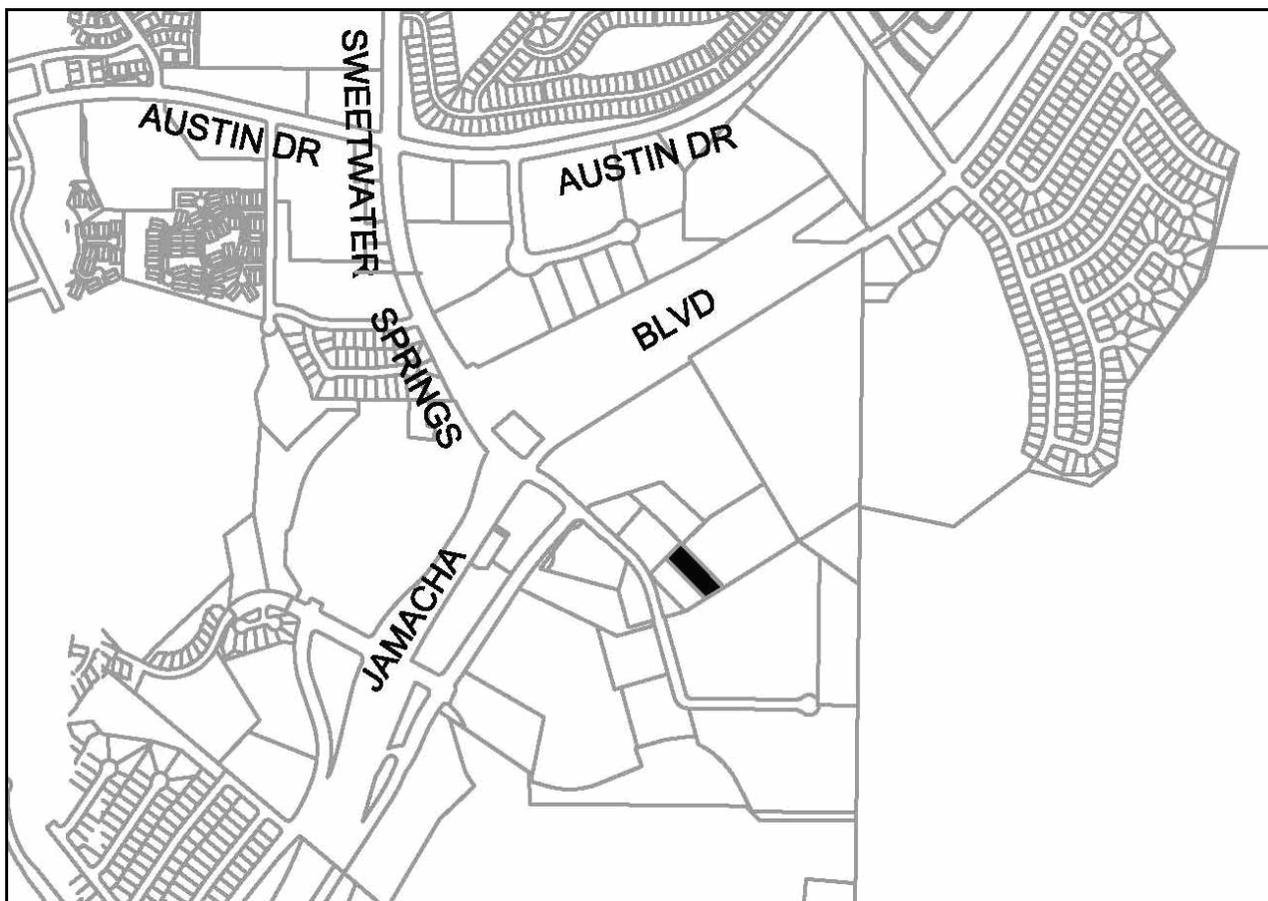
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	\$0.00

PROJECT LOCATION:

Thomas Bros. Map: 1291

OWD Map Book: 318



Submitted By: Steve Dobrawa

Date: 03/04/2009

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	
TOTAL	2010	2011	2012	2013	2014	2015	TOTAL
	\$1	\$49					\$50

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

CIP Number: P2325

PROJECT SCHEDULE:

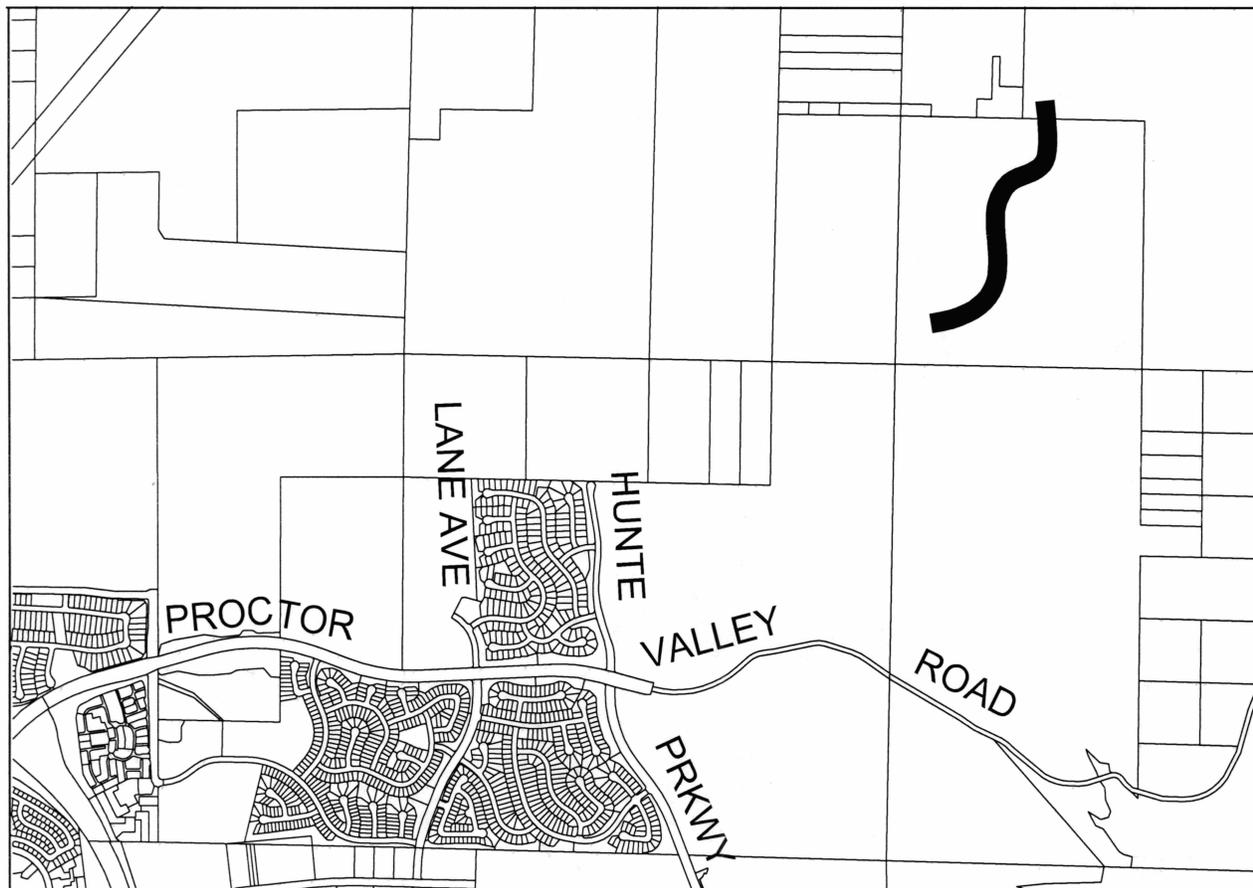
PROJECT PHASE:	ESTIMATED START DATE:	ESTIMATED FINISH DATE:	ESTIMATED COST (X \$1,000):
PLANNING:	07/04	08/04	\$2
DESIGN:	09/04	12/04	\$6
CONSTRUCTION:	01/10	06/11	\$42

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

FY	FY	FY	FY	FY	FY	TOTAL
2010	2011	2012	2013	2014	2015	
		\$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: 03/14/2009



Appendix

Water Meter Capacity Fees

Effective 7/1/09

NAME	IMPROVEMENT DISTRICT (ID)	CAPACITY FEE	ZONE CHARGE	TOTAL CHARGE
Rancho Jamul Estates Units 1 & 2	ID 9 WITH 1655 ZONE FEE	\$5,442	\$25,664	\$31,106
Capacity Fee Section 28.01	1,2,3,4,9,10, 19, 20,22,25,27	\$5,442	\$0	\$5,442
TRIAD CAPACITY FEE	ID 22/27-BASE	\$4,097	\$0	\$4,097

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 Fees and Deposits form.

Glossary

The Fiscal Budget contains terminology that is unique to public finance and budgeting. The following budget glossary provides assistance in understanding these terms.

Accrual Basis of Accounting: The basis of accounting under which transactions are recognized when they occur, regardless of the timing of cash receipts and disbursements.

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.

Additional Systems Fees: Effective May 1, 1986, each customer receiving water service in the Improvement District 9 water service zone pays an additional monthly meter system charge of \$2.00 for each meter in service.

Annexation Fees: Whenever utility service is requested for land outside the boundaries of an improvement district, the land to be serviced must first be annexed. The annexation fee for water was set on May 30, 2006 at \$1,411 per EDU. 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, 2009 are \$1,603 and \$5,450 for water and sewer, respectively.

Appropriation: The annual budget adopted by the District's Board for monitoring and control purposes, serving as a financial plan.

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.

Balanced Budget: A balanced financial plan, for a specified period of time that matches all planned revenues and expenditures with various services. The District uses a fiscal year beginning each July 1 and ending each June 30 for budgetary and financial reporting purposes.

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.

Glossary

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.

Bond: A written promise to pay a sum of money on a specific date at a specified interest rate. The interest payments and the repayment of the principal are authorized in a District bond resolution. The most common types of bonds are general obligation (GO) bonds and Certificates of Participation (COPs). These are frequently used for construction of large capital projects such as buildings, reservoirs, pipelines and pump stations.

Budget Basis: The budget and accounting basis for the District is recognized on an accrual basis. Accrual basis means that revenues are recognized when earned and expenses are recognized when incurred.

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.

Capacity Reservation Charge: An MWD charge passed on by CWA to individual agencies. This fee is paid based on the District's peak water demand.

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.

Glossary

Class of Service: All customers are classified based on the type of service used. For example, the water rate per unit is determined by a classification such as residential versus business.

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.

Deannexation Fees: Each request for detachment of land from an improvement district is reviewed on a case-by-case basis. The fees are determined based on the present value of future debt service requirements.

Debt Service: The District's obligation to pay the principal and interest of bonds and other debt instruments according to a predetermined payment schedule.

Depreciation: An expense recorded to allocate a tangible asset's cost over its useful life.

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.

Energy Fees: Water customers are charged an energy pumping charge based on the quantity of water used and the elevation to which the water has been lifted to provide service. The energy pumping charge is the rate of \$.037 (to increase on September 1, 2009 to \$.038) per 100 cubic feet of water for each 100 feet of lift above the base elevation of 450 feet. All water customers are in one of 29 zones based on elevation.

Enterprise Fund: Fund that provides goods or services to the public for a fee that makes the entity self-supporting.

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.

Fire Service: Water service is provided by the District solely for use in fire hydrants or fire sprinkler systems from lines or laterals connected to the District's water mains. The monthly system charge is \$28.55 per month (to increase to \$30.11 on September 1, 2009) for each connection for fire protection service.

Glossary

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.

Fund Balance: The current funds on hand resulting from the historical collection and use of monies. The difference between assets and liabilities reported in the District's Operating Fund plus residual equities or balances and changes therein, from the result of operations.

General Fund: The District's general fund is an enterprise fund – one for each of the District's three business lines Potable, Recycled and Sewer services. Each is an accounting entity with a self-balancing set of accounts established to record the financial position and results that pertain to a specific activity. The activities of enterprise funds closely resemble those of ongoing businesses in which the purpose is to conserve and add to basic resources while meeting operating expenses from current revenues. Enterprise funds account for operations that provide services on a continuous basis and are substantially financed by revenues derived from user charges.

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.

Infrastructure Access Charge (IAC): A pass-through charge from CWA to each member agency. The charge is to finance a portion of CWA's fixed annual costs including the construction, operation and maintenance of aqueducts and emergency storage projects. The fee was adopted in January of 1999.

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.

Late Charges/Penalties: Charges and penalties are imposed on delinquent accounts. A late payment charge of 5% of the most recent delinquent amount is added to the account. Other miscellaneous late fees and penalties are detailed in the District's Code of Ordinances.

Meter and Lateral Fees: Charge includes the material costs for the meter, meter box, and the labor cost for installation to connect a new service to the distribution system.

Metropolitan Water District (MWD) Standby Charges: Revenue generated from property taxes by MWD to cover the Readiness-to-Serve (RTS) Charge for the new debt service for construction projects necessary to meet reliability and quality needs. The RTS Charge was adopted in 1996.

Glossary

Net Assets: The difference between total assets and total liabilities. Increases or decreases in net assets may serve as a useful indicator of whether the financial position of the District is strengthening or weakening.

1% General Tax: In 1978, Proposition 13 limited general levy property tax rates for all taxing authorities to a total rate of 1% of full cash value. Subsequent legislation, AB8, established that the receipts from the 1% levy were to be distributed to taxing agencies according to approximately the same proportions received prior to Proposition 13. Funds received are to be used for facilities construction or debt service on bonds sold to build facilities.

Operating Budget: The portion of the budget that pertains to daily operations that provide basic governmental services. The operating budget contains appropriations for such expenditures as personnel, supplies, utilities, materials, travel and fuel, and does not include purchases of major capital plant or equipment which is budgeted for separately in the Capital Budget.

Other Income: Revenues that are not directly related to the business of providing water and sewer services. For example, contract billing service for the City of Chula Vista and the City of San Diego to bill their sewer customers based on water consumption.

Property Rental Income: Rent or lease agreements for the use of District property.

QualServe: a voluntary quality improvement program designed exclusively for water and wastewater utilities.

Recycled Water Rates: Non-potable water service provided from water produced by the District's reclamation plant and other non-potable sources. Recycled water is not used for domestic purposes and all other uses must comply with federal, state and local laws and regulations regarding the use of recycled water.

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.

Residential Conservation: The water rates for residential customers are based on an accelerated block structure; as more units are consumed, a higher unit rate is charged. The District has established a water conservation program to promote water conservation and planning.

Glossary

Revenue: Monies that the District receives as income. It includes such items as water sales and sewer fees. Estimated revenues are those expected to be collected during the fiscal year.

Readiness-to-Serve Charge (RTS): was adopted by MWD in Fiscal 1996. The charge serves as a foundation of fixed revenue for MWD. It covers the new debt service for construction projects necessary to meet reliability and quality needs of current water-users as opposed to new customers.

Sale of Fixed Assets: District equipment, which has been determined by the Board to be of no use, obsolete and/or beyond the useful life and therefore, may be sold.

Set-up Fees for Accounts: A charge of \$10 is added for each account transferred to another customer.

System Fees: Each water service customer pays a monthly system charge for water system replacement, maintenance and operation expenses. The charge is based on the size of the meter and class of service.

Taxes: California Water Code Section 72091 authorizes the District, as a municipal water district, to levy ad valorem property taxes which are equal to the amount required to make annual payments for principal and interest on general obligation bonds approved by the voters prior to July 1, 1978.

Temporary Water Charge: The rate for temporary water service is two times the rate for permanent service. The additional charge is to offset the cost of construction of facilities for larger capacity.

Tier 2 Charge: An MWD charge passed on by CWA to individual agencies. This is an added charge on all water sales by CWA in excess of the District's 90% baseline water usage.

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

Water Rates: Rates vary among classes of service and are measured in units. The water rates for residential customers are based on an accelerated block structure. As more units are consumed, a higher unit rate is charged. On January 1, 2009 the District implemented a tiered rate structure for all customer types to encourage conservation and bring equity among the classes.

Working Capital: A financial measure which represents available operating liquidity. It is calculated as current assets minus current liabilities.

List of Acronyms

AF	Acre-Foot/Feet
AMR	Automated Meter Reader/Reading
APCD	Air Pollution Control District
ASCE	American Society of Civil Engineers
ASU	Assigned Service Unit
AWWA	American Water Works Association
BIT	Bi-annual Inspection Terminals
BMP	Best Management Practices
BOD	Biological Oxygen Demand
BRP	Business Resumption Plan
CADD	Computer Aided Design & Drafting
CARB	California Air Resources Board
CDPH	California Department of Public Health
CAFR	Comprehensive Annual Financial Report
CCV	City of Chula Vista
CEQA	California Environmental Quality Act
CFS	Cubic Foot per Second
CHP	California Highway Patrol
CIP	Capital Improvement Program
CIS	Customer Information System
CIT	Collaborative Improvement Teams
CMOM	Capacity, Management, Operations & Maintenance
CMTA	California Municipal Treasurers Association
COD	Chemical Oxygen Demand
COPS	Certificates of Participation
CRC	Capacity Reservation Charge
CSC	Customer Service Charge
CSD	City of San Diego
CSMFO	California Society of Municipal Finance Officers
CWA	County Water Authority (San Diego)
DBMS	Database Management System
DBP	Disinfectant By-Products
DEH	Department of Environmental Health
DHS	Department of Health Services
DVP	Delivery-versus-Payment
EDU	Equivalent Dwelling Unit
EIR	Environmental Impact Review
EOC	Equal Opportunity Commission
ERP	Enterprise Resource Planning

List of Acronyms

ESC	Emergency Storage Charge
FCF	Flow Control Facility
FHLMC	Freddie Mac or Federal Home Loan Mortgage Corporation
FNMA	Fannie Mae or Federal National Mortgage Association
FTE	Full-time Equivalent
FY	Fiscal Year
GASB	Government Accounting Standards Board
GFOA	Government Finance Officers Association
GIS	Geographic Information System
GO	General Obligation (bonds)
GPM	Gallons per Minute
GPS	Global Positioning System
HCF	Hundred Cubic Foot
HMA	Habitat Management Area
HR	Human Resources
HRIS	Human Resources Information System
HWD	Helix Water District
IAC	Infrastructure Access Charge
ID	Improvement District
IID	Imperial Irrigation District
IIPP	Injury and Illness Prevention Program
IMS	Infrastructure Management System
IRP	Integrated Water Resources Plan
IRS	Internal Revenue Service
IT	Information Technology
IVR	Interactive Voice Response
LAFCO	Local Agency Formation Commission
LAIF	Local Agency Investment Fund
LMSE	La Mesa Sweetwater Extension
LOPS	Lower Otay Pump Station
MBR	Membrane Bioreactor
MG	Million Gallons
MGD	Million Gallons per Day
MISAC	Municipal Information Systems Association of California
MH	Man-hours
MOU	Memorandum of Understanding
MSCP	Multiple Species Conservation Program
MSRB	Municipal Securities Rulemaking Board
MWD	Metropolitan Water District

List of Acronyms

MWWD	Metropolitan Waste Water Department (City of San Diego)
NCCP	Natural Community Conservation Plan
NEPA	National Environmental Policy Act
NIMS	National Incident Management System
NOC	Notice of Completion
NOSC	Notice of Substantial Completion
NPDES	National Pollution Discharge Elimination System
O&M or O/M	Operations and Maintenance
OES	Office of Emergency Services (State)
OIS	Otay Information System
OPEB	Other Post Employee Benefits
OWD	Otay Water District
PB	Pacific Bay
PDR	Preliminary Design Report
PEIR	Program Environmental Impact Report
PERS	Public Employees' Retirement System
PL	Pipeline
POU	Principles of Understanding
PRS	Pressure Reducing Station
PS	Pump Station
PT	Part-time
RFID	Radio Frequency Identification
RFP	Request for Proposal
RSD	Rancho San Diego
RTS	Readiness-to-Serve
R/W	Right-of-Way
RWCWRF	Ralph W. Chapman Water Recycling Facility
SAMP	Sub-Area Master Plan
SANDAG	San Diego Association of Governments
SCADA	Supervisory Control and Data Acquisition
SBWRP	South Bay Water Reclamation Plant
SDRMA	San Diego Risk Management Association
SEC	Securities and Exchange Commission
SHRM	Society of Human Resources Management
SLMA	Sallie Mae or Student Loan Marketing Association
SS	Suspended Solids
SSMP	Sewer System Management Plan
SVSD	Spring Valley Sanitation District
SWA	Sweetwater Authority

List of Acronyms

SWRCB	State Water Resources Control Board
USBR	U.S. Bureau of Reclamation
UWMP	Urban Water Management Plan
WADG	Water Agency Design Guideline
WD	Water District
WER	Work Environment Review
WRMP	Water Resources Master Plan
WTP	Water Treatment Plant

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