

OTAY WATER DISTRICT

Capital Improvement Program Budget

Fiscal Year 2013-2018



Spring Valley, California



Adopted Capital Improvement Program Budget

Fiscal Year 2013-2018

2012 Landscape Contest Winner



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Catch Cup - Used to measure irrigation efficiency

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...Dedicated to Community Service

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TELEPHONE: 670-2222, AREA CODE 619

September 4, 2012

Honorable Board of Directors
Otay Water District

I am pleased to present the Otay Water District's Adopted Operating and Capital Budget for Fiscal Year 2013. This year's budget supports the management plan to finance all of the District's services and programs during the 2013 fiscal year.

The mission of the District is to provide high value water and wastewater services to the customers of the Otay Water District, in a professional, effective and efficient manner. As in the past few years, we continue to deal with numerous challenges resulting from the slow recovery from the largest economic downturn since the Great Depression. The District also faces large rate increases from San Diego County's wholesale water suppliers.

San Diego County has very limited natural supplies of water and therefore must rely on imported water from Northern California and the Colorado River. The wholesale and retail water agencies serving San Diego County recognized their dependence on imported water in the early 1990s and since that time have been implementing programs to create a more reliable, robust water system, one that will also increase water independence. Programs to secure more water, as well as a more reliable water supply, are expensive and represent a contributing factor to increasing costs.

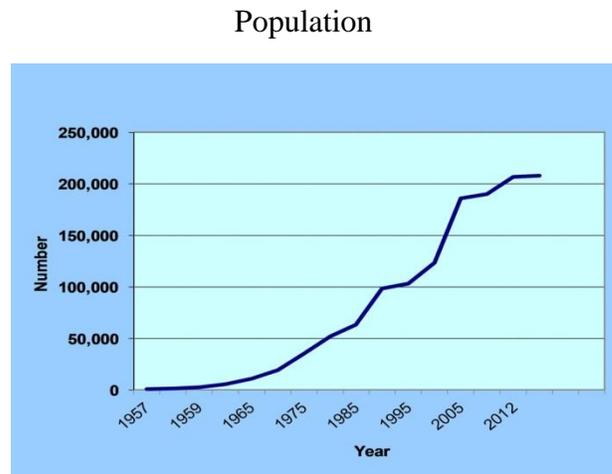
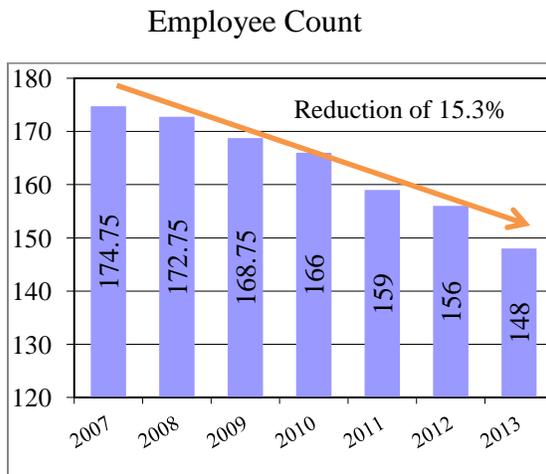
Given the continuing uncertain times, efforts to keep rate increases to a minimum, without risking safety or reliability, the District must find the best solutions that balance many imperatives. The tool the District will use to accomplish this is the 2012-2014 Strategic Business Plan.

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

As an organization matures, fewer resources are needed to support growth, but the effort to maintain and improve infrastructure and assets increases. In addition, over time, an organization derives income more from customer rates and less from developer fees. At this stage in its development, increased maintenance and replacement costs place pressure on customer rates. To balance the customer's interest in minimizing rate increases while also maintaining an organization's infrastructure investments and a strong financial position, it must place greater

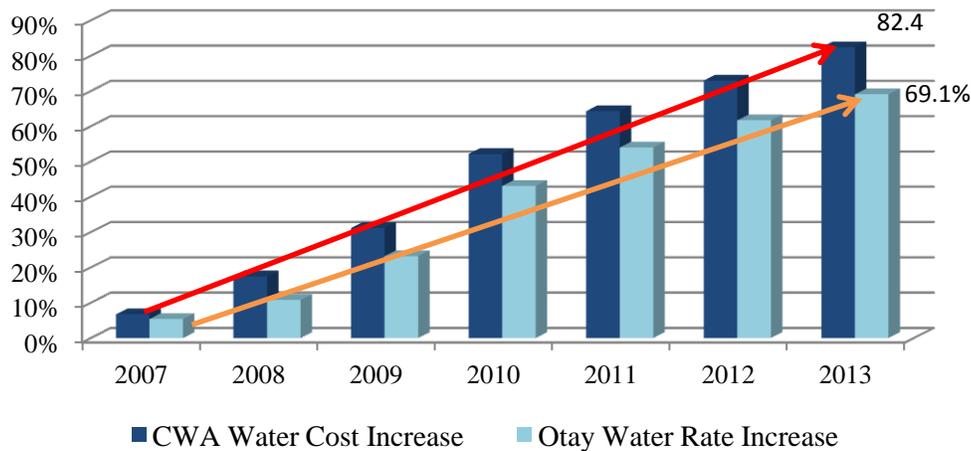
emphasis on internal efficiency and the development of technology assisted best practices. In effect, an organization must use investments in technology to do more with the same or even fewer resources.

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

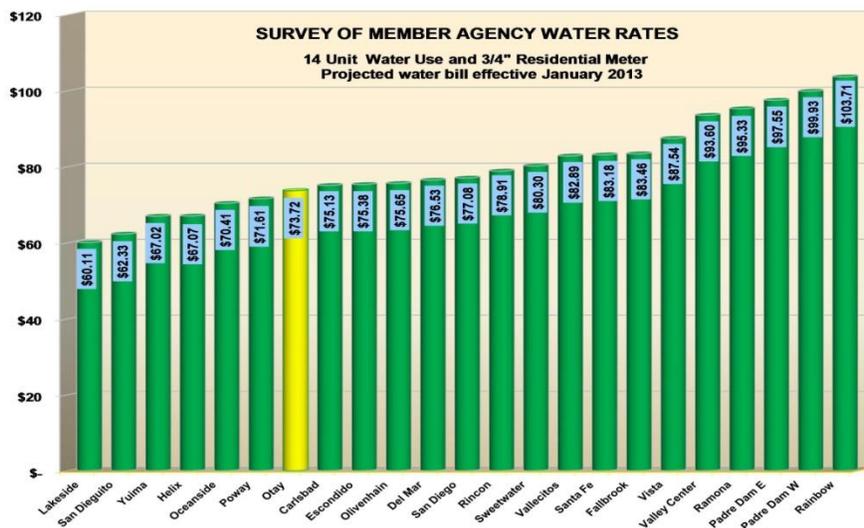


Furthermore, the District has been able to absorb some of the pass-through costs from our water suppliers by increased efficiency and improved productivity that help address customer concerns about rising water rates.

CWA vs. Otay Water District Rate Increases



In the annual survey of water rates, for a typical District customer, Otay's rates continue to be among the lowest in San Diego County.



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

Today, the District provides water service to nearly 48,540 potable and 695 recycled water customers within approximately 125.5 square miles of southeastern San Diego County. All of the potable water sold to customers is purchased from the San Diego County Water Authority (CWA). Fifty eight percent of this water is in turn purchased from the region's primary water importer, the Metropolitan Water District of Southern California (MWD). The District also has entered into an agreement with the CWA to have the neighboring Helix Water District treat imported water on behalf of the Otay Water District at their Levy Water Treatment Plant. This action brought regional water treatment closer to customers, which helps reduce dependence on water treatment facilities located outside of San Diego County.

The District also owns and operates a wastewater collection and recycling system to provide public sewer service to approximately 4,652 homes and businesses. Wastewater collected is delivered to the Ralph W. Chapman Water Recycling Facility (RWCWRF), which is capable of reclaiming wastewater at a rate of 1.3 million gallons per day. In addition to the Chapman facility, the District purchases up to 6 million gallons per day of recycled water from the City of San Diego's South Bay Water Reclamation Plant. Recycled water from these two sources is used to irrigate golf courses, schools, public parks, roadway landscapes, and other approved uses in the City of Chula Vista, California. The use of recycled water reduces dependence on imported supplies and provides a local supply that diversifies District resources.

BUDGET SUMMARY

The Otay Water District's operating expenditures consist of three major sectors: potable water, recycled water, and sewer, budgeted at \$82,318,200 for Fiscal Year 2013. Revenues from potable and recycled water are projected to be \$69,456,800, about \$4,152,500 (6.4%) more than the Fiscal Year 2012 budget. Water sales volumes are expected to increase slightly by 1% over

FY 2012 actual sales as the economy is slowly improving, while efforts to promote water conservation continue. Rate increases are therefore essential to offset the higher wholesale cost of water. Sewer revenues are projected to be \$2,555,200, about \$219,200 more than Fiscal Year 2012. This increase from higher rates is primarily to cover \$4.4 million of additional capital projects over the next six years. The remaining budgeted revenues of \$10.3 million come from various special fees, assessments, and miscellaneous income.

Significant aspects of the Operating Budget are:

- A balanced budget meeting the goals of the Strategic Plan.
- The use of an economist to project growth for the region.
- An updated six-year Rate Model to ensure sound financial planning and reserve levels.
- Ongoing water supply rate increases of 9.1% from MWD and CWA because of the high cost of supply programs, higher energy costs, and operating costs.
- Implemented rate increases in potable, recycled water, and sewer. This included pass-through rate increases from CWA and the County of San Diego.
- In response to the economic slowdown, the District has again reduced staffing levels from 156 full-time equivalent positions to 148.
- Of San Diego County's 23 water agencies, Otay's water rates are below the county-wide average.

The Fiscal Year 2012-13 Capital Improvement Program (CIP) Budget consists of 70 projects and a budget of \$18.0 million. The budget emphasizes long-term planning for ongoing programs while functioning within fiscal constraints and population growth. This year's CIP budget decreased by \$4.6 million compared to last year's projection, due to the completion of some large projects as well as the deferral of projects to match the timing of land development.

THE FUTURE

The coming years will continue to pose challenges for those in California's water community. For instance, it is uncertain if the challenges facing the Sacramento-San Joaquin Bay Delta, the source of 30 percent of Southern California's water supply, will be addressed and at what cost to end users. Serious challenges also jeopardize water coming from the Colorado River. Furthermore, as the cost of water has increased to the retail customer, sales have decreased. As one would expect, water sales reductions have impacted revenues and will continue to affect the District's finances. With this in mind, our success as an organization is vastly enhanced by the practices and policies put in place by the Board of Directors to ensure the strength and stability of the District even as we move forward through uncertain times. We are fully confident that with these policies and practices, supported by dedicated and talented staff, we will achieve continued success as an organization and, thus, assure the well-being of the people we serve.

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

AWARDS AND ACKNOWLEDGMENTS

- The Government Finance Officers Association 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, 2011. 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.
- The California Society of Municipal Finance Officers (CSMFO) presented Otay Water District the Certificate of Award for *Excellence in Operating Budgeting for Fiscal Year 2011-2012*.
- The California Society of Municipal Finance Officers (CSMFO) presented Otay Water District the Certificate of Award for *Excellence in Capital Budgeting for Fiscal Year 2011-2012*.
- The Municipal Information Systems Association of California (MISAC) presented the *2010-2011 Award for Excellence Information Technology Practices* to Otay Water District. The award recognizes outstanding practices in Information Technology that have met or surpassed local government standards.

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

CIP Budget Guide

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

General Information

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

Capital Budget Summary

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

CIP Projects

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

Appendix

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

At-A-Glance

History

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

Mission Statement

To provide high value water and wastewater services to the customers of the Otay Water District, 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 area.

Organizational Structure

The General Manager reports directly to the Board of Directors. The Assistant General Manager along with District management oversees day-to-day operations. The Assistant General Manager oversees the five departments of Administrative Services; Finance; Information Technology and Strategic Planning; Water Operations; and Engineering. These and other lines of reporting are shown on the organization chart on page 16.



General Information

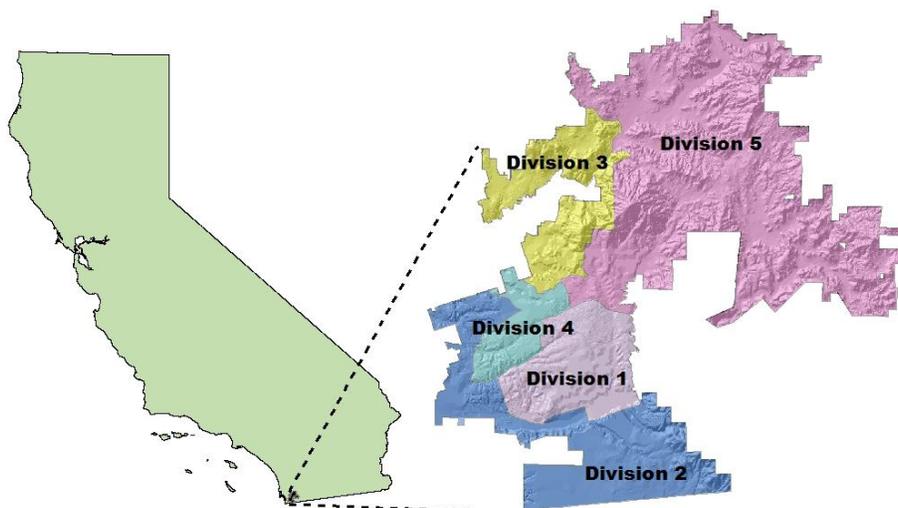
For Fiscal Year 2013, the District will have a staff of 148 full-time equivalent employees under the leadership of the General Manager. The District provides water service to approximately 53% of its expected ultimate deliveries with a population of more than 208,000 people. This percentage increases as the District's service area continues to grow to ultimate build-out. The District is projected to deliver approximately 28,925 acre-feet of potable water to 48,860 potable customer accounts and to ultimately deliver by 2035 56,600 acre-feet of potable water to serve 285,000 people or 69,000 accounts. The rate of growth, as projected by the San Diego Association of Governments (SANDAG) for the Chula Vista area of San Diego County, is approximately 1.7% per year over the next decade. Using historical data and considering current economic conditions, staff has moderated this projection to a growth rate of 0.6% for Fiscal Year 2013.

Since 1956, the District has provided high quality water to a semi-arid region of the southeastern San Diego County. In 1971, the District constructed a small collection and treatment plant for sewer in the northern section of the District, and in 1980 the District opened the Ralph W. Chapman

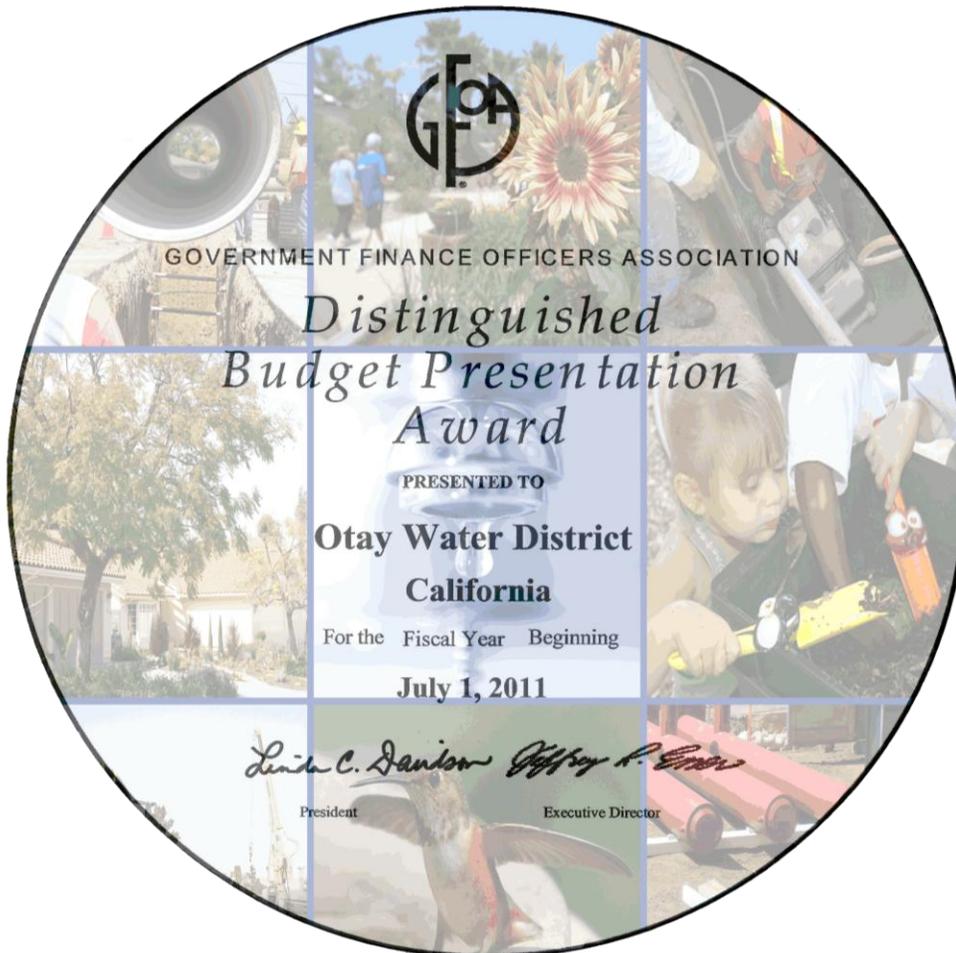
Water Recycling Facility (RWCWRF). For over 50 years, the available supply of water has helped transform the District service area from a mostly scrub and cactus-covered backcountry into a balance of diverse environments.

Recycled water from the RWCWRF is used to irrigate golf courses, schools, public parks, roadway landscapes, and various other approved uses in eastern Chula Vista. The RWCWRF is capable of recycling wastewater at a rate of 1.3 million gallons per day (1,200 acre-feet per year). The District is also in a partnership with the City of San Diego to beneficially reuse an additional 2,900 acre-feet per year of recycled water for Fiscal Year 2013, 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 4,652 customer accounts within the Jamacha drainage basin. The sewer service area covers approximately 8,797 acres, which is about 11% of the District's total service area. Residential customers comprise 97% of the sewer customer base.



Financial Awards



The Government Finance Officers Association of the United States and Canada (GFOA) presented a *Distinguished Budget Presentation Award* to Otay Water District, California for its annual budget for the fiscal year beginning July 1, 2011. In order to receive this award, a governmental unit must publish a budget document that meets program criteria as a policy document, as an operations guide, as a financial plan, and as a communications device.

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

Financial Awards



The California Society of Municipal Finance Officers (CSMFO) presented Otay Water District the Certificate of Award for *Excellence in Capital Budget for Fiscal Year 2011-2012*.

The California Society of Municipal Finance Officers (CSMFO) presented Otay Water District the Certificate of Award for *Excellence in Operating Budget for Fiscal Year 2011-2012*.



Awards



The Municipal Information Systems Association of California presented the *2010/2011 Award for Excellence Information Technology Practices* to Otay Water District. The award recognizes outstanding practices in Information Technology that have met or surpassed local government standards.

Current Economic Conditions

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

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

The District's sewer service area is growing at a slow but steady rate of approximately 0.2% 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 water 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 208,500 residents. In just the past nine years, the District has added more than 6,484 new customer connections, with 2,326 occurring in Fiscal Year 2004. The phenomenal growth has slowed, as our local and national economy is experiencing a downturn. This slowdown appears to have leveled off as the District's Public Services Division approved on average 40 permits per month, and sold 316 water meters in Fiscal Year 2011-2012.

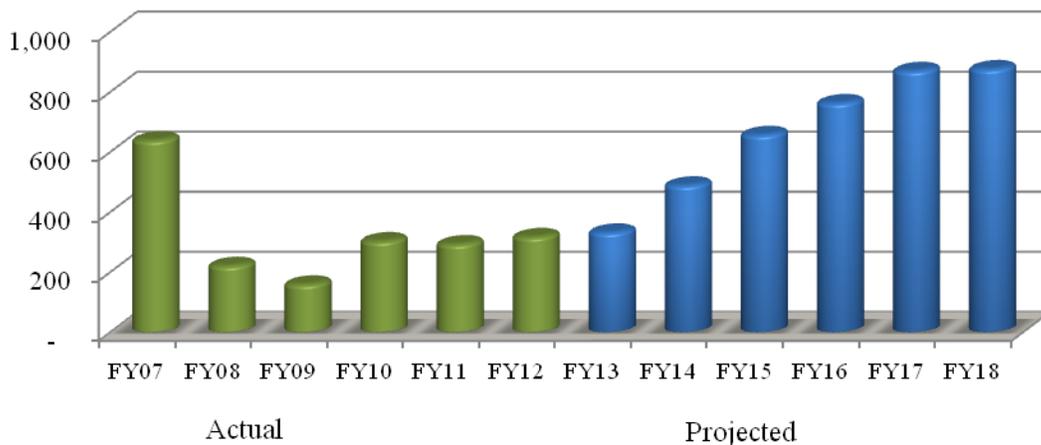


2012 Landscape Contest Winner

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.

Meter Sales



This year, because of the economic uncertainty of the region, the District employed an Economist to verify the growth in the region. Using the economist's report, the Engineering Department projected that over the next six years the District will sell another 3,980 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 125.5 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.



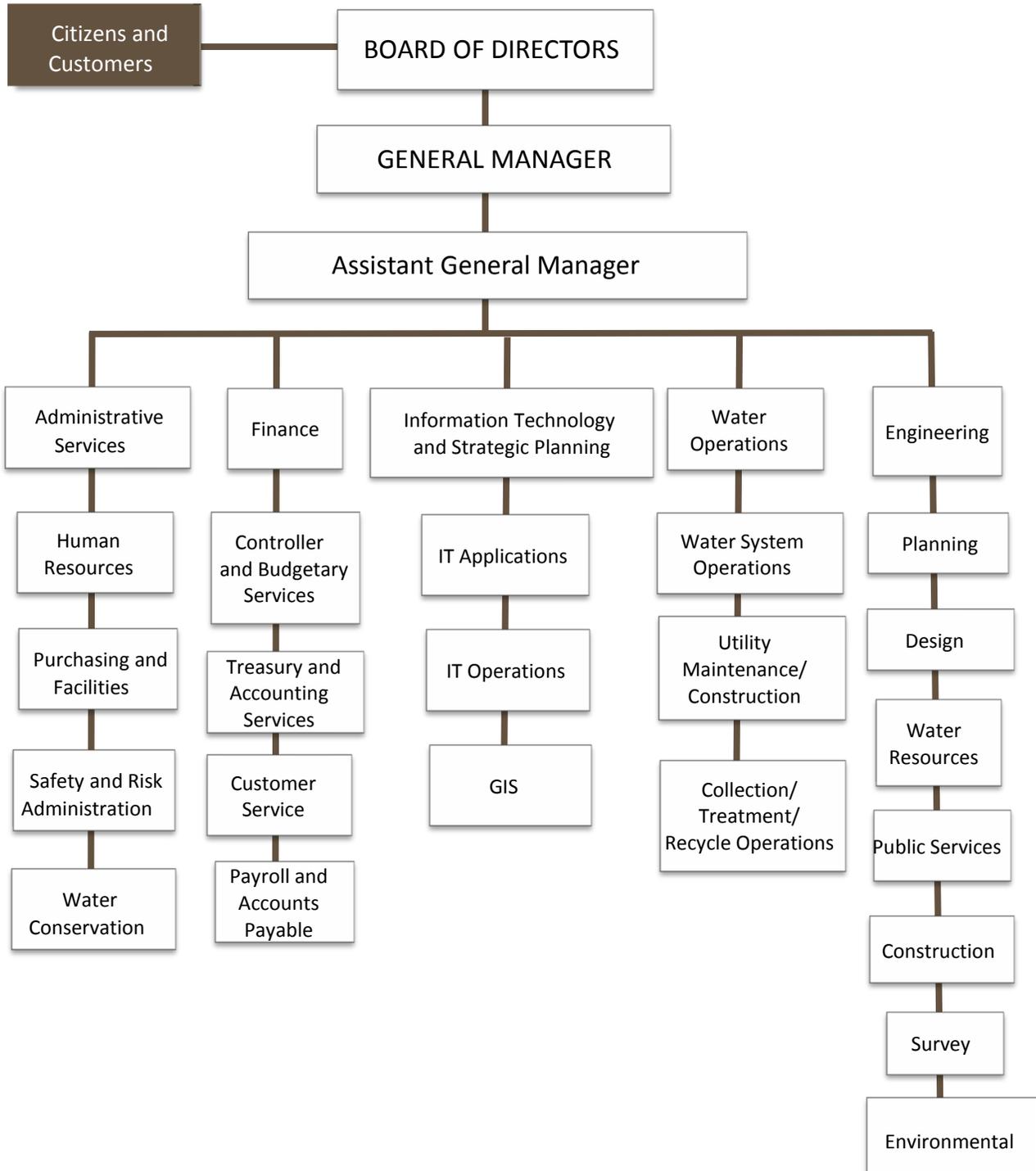
SANDAG creates and maintains a tremendous quantity of demographic, economic, land use, transportation and criminal justice information about the San Diego region. The demographic data include population characteristics like age, education, and employment. Because of the overlapping of the District's 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 2010 the population reached 243,916. This represents an increase of 159,989 in the past 30 years or a 190.6% increase, which correlates to the District's rapid growth for the same period.

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



Organization Chart



CIP Budget Calendar

Each year, the Engineering Department prepares budget instructions for distribution to the departments. These instructions give direction and deadlines for each phase of the CIP budgeting process. The CIP Budget Process is explained on pages 12 and 13.

January 11, 2012	Budget workbooks and instructions for the Operating and Capital Budget are distributed to departments.
January 11, 2012 to February 24, 2012	<p>Departments begin CIP Budget Process which includes:</p> <ul style="list-style-type: none"> • Review existing FY 2012 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 6/30/12 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 6, 2012	Engineering Department reviews all CIP budget requests with Assistant General Manager and adjusts, if necessary.
March 12, 2012	Engineering reviews and prepares CIP budget and submits to Finance for review and to incorporate into rate model to determine proposed rates.
March 23, 2012	CIP budget presented to the General Manager for review and comments.
April 2, 2012	Review Assumptions and Rates
April 12, 2012	General Manager performs preliminary review of budget.
May 3, 2012	Final review of proposed budget and rates is done by the General Manager.
May 15, 2012	Board of Directors adopts Fiscal Year 2012-2013 Operating and Capital Budget.

CIP Budget Process

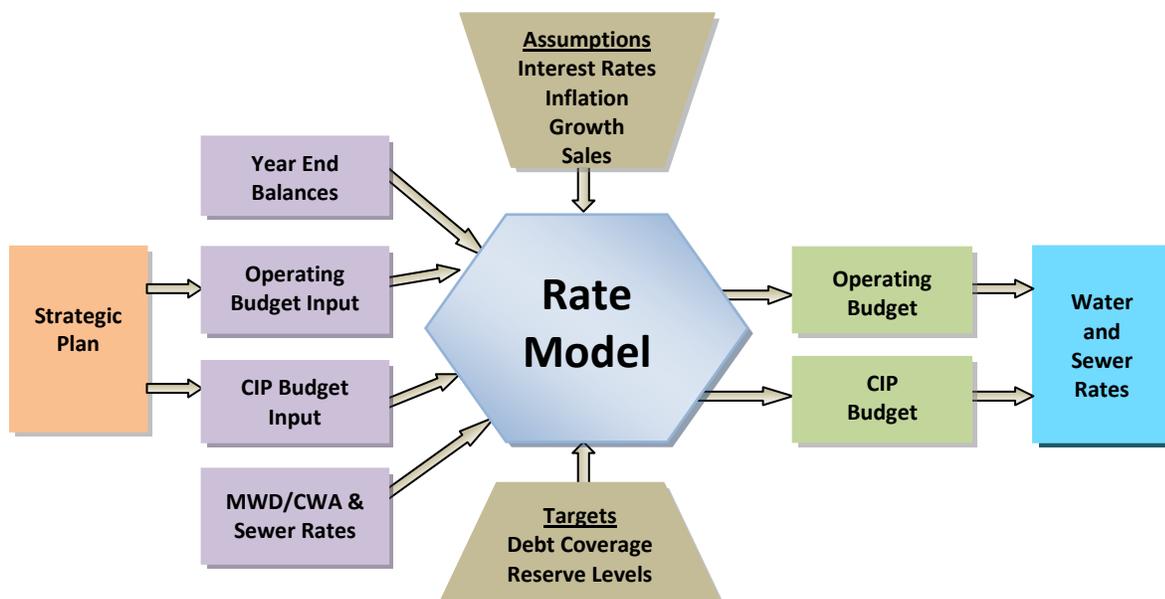
The District has integrated the Capital Improvement Program (CIP) Budget and the Operating Budget. Appropriate budget amounts are determined by using the historical data of operations, growth, developers' input, SANDAG projections, and the economic outlook. Additionally, these budgets are developed based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

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

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

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

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



CIP Budget Process

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

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

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

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

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

The District is accounted for and budgeted as an enterprise fund and conforms to the guidelines of generally accepted accounting principles (GAAP). The Budget Report is intended as a financial guide and may be modified by the Board of Directors during the 2013 fiscal year.



944-I R Recycled Water Pump Station

RESOLUTION NO. 4195

A RESOLUTION OF THE BOARD OF DIRECTORS OF
OTAY WATER DISTRICT ADOPTING THE
FISCAL YEAR 2012-2013
OPERATING AND CAPITAL BUDGET AND
THE PROPOSED WATER AND SEWER INCREASES AS
AMENDED IN APPENDIX A OF THE
CODE OF ORDINANCES

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 2012-2013; and

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

WHEREAS, the amended Appendix A with the proposed water and sewer rate increases, as presented in the Fiscal Year 2012-2013 Operating and Capital Budget, have been reviewed and considered by the Board;

WHEREAS, it is in the interest of the District to adopt a budget for said year; and to adopt the water and sewer rate increases on all billing cycles that begin in calendar year 2013.

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 2012-2013.

PASSED, APPROVED AND ADOPTED by the Board of Directors of Otay Water District at a special board meeting held this 15th day of May 2012, by the following vote:

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


President

ATTEST:


District Secretary

Capital Improvement Program

The District provides water service to a population of approximately 208,000 which is expected to ultimately increase to 285,000 by the year 2035. This growth as well as the maintenance of existing assets requires long term capital planning. The process is dynamic, due to the evolving needs of the community, the water supply issues, and changing regulations. As such, capital planning is part of the District's overall strategic planning. The capital planning process involves identifying current needs, future needs, and prioritizing them based on certain operating assumptions. The primary objective of this planning effort is to support an orderly and efficient program of expansion, new water supply, replacement, and betterment, while maintaining a stable long-range financial plan.

To accommodate this growth requires that the District invest \$475 million in capital assets through ultimate build-out. The Fiscal Year 2013 Capital Budget is \$18 million and the six-year Capital Improvement Program (CIP) totals \$116.4 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 CIP is developed based on the District's Water Resources Master Plan, incorporating historical data, growth, developers' input, SANDAG projections, and long-term economic outlook.

The Water Resources Master Plan was built using several major assumptions and design criteria as follows:

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

CIP Justification and Impact on Operating Budget

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

Capital Improvement Program

Capital Purchases and Facilities

All capital expenditures are in the CIP. This includes capital facilities and capital purchases. Capital purchases are non-recurring operating expenditures for assets that cost more than \$10,000 each and have an estimated useful life of two years or more. The Capital Purchase Projects include Vehicle, Office Equipment, Furniture, and Field Equipment purchases. The details of these purchases can be found on page 185. Capital Facility Projects are items that exceed \$10,000 or \$20,000 for infrastructure related items (as defined under Capital Equipment on page 251 of the Glossary) and have a useful life of at least two years.

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

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

The following are the four categories of CIP projects:

New Water Supply

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

Expansion

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

Betterment

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

Replacement

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

Major CIP Projects

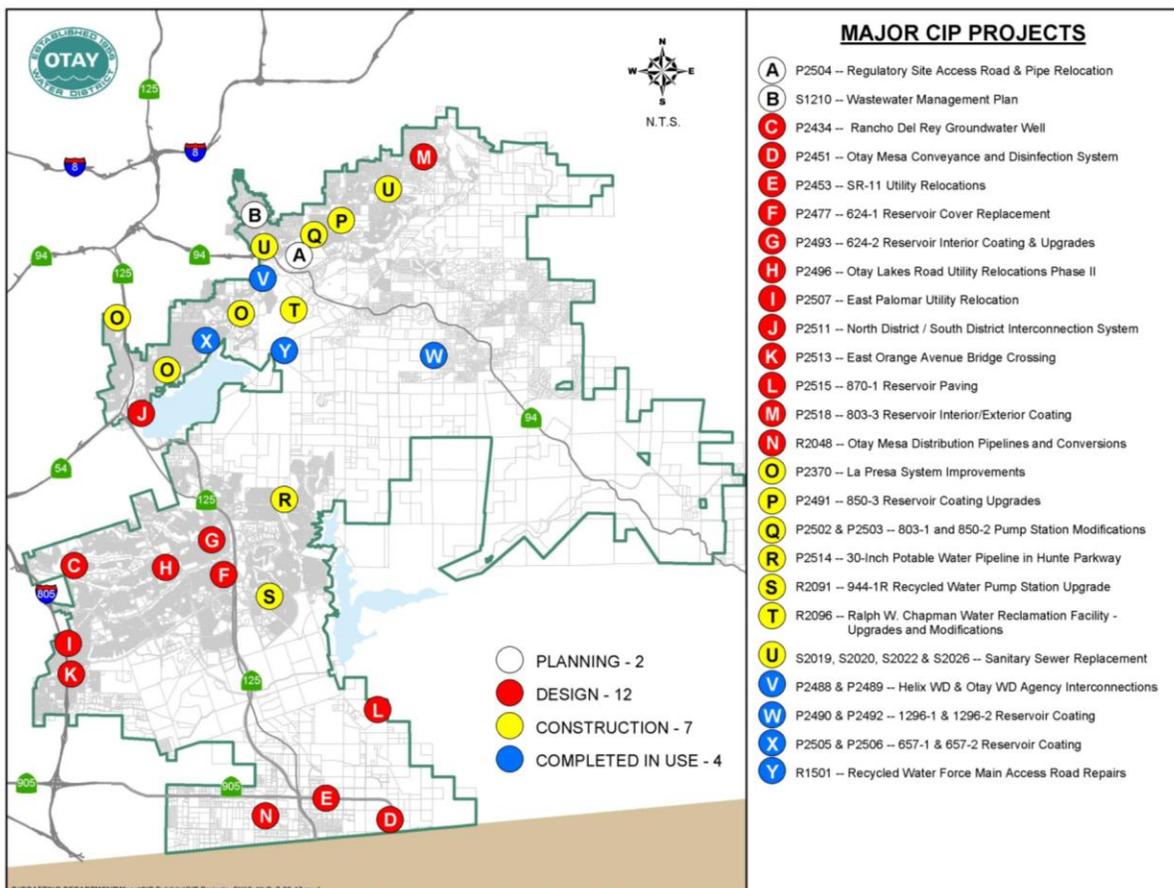
Capital Improvement Projects

The 2013 Fiscal Year CIP Budget contains 70 projects. The cost of the work planned for Fiscal Year 2013 is \$18 million. Of the 70 projects planned for Fiscal Year 2013, only three are designated as reimbursable projects with estimated costs totaling \$63,000. These projects are built by developers and reimbursed by the District.

The following shows how the \$18 million of projects are broken down into four categories:

1. Capital facilities \$ 6.9 million
2. Replacement or renewal projects \$ 9.9 million
3. Capital purchase projects \$ 1.1 million
4. Developer reimbursement projects \$.1 million

The Six-Year CIP and Fiscal Year 2013 Capital Budgets are consistent with the District's Water Resources Master Plan, current capacity fees, and the District's strategic financial objectives.



CIP Projects in Construction

**Phase I of 944-1R
Recycled Water Pump
Station Upgrades and
System Enhancements
(R2091)**



*New Suction Header and Grating
at 944-1R Pump Station*



New Pressure Reducing Station on Eastlake Parkway

- Phase I of 944-1R Recycled Water Pump Station Improvements
- Installation of New Pump
- New Instrumentation
- New Suction Header Piping
- Three new Pressure Reducing Stations
- \$1.88M Budget
- Start: June 2011
- Estimated Completion: September 2012

CIP Projects in Construction

RWCRWF Upgrades and Modifications (R2096)



New Air Scour Facility for the Filters



Refurbished Aeration Basin under Operation

- RWCRWF Upgrades
- New Aeration System, Blower System, and Electrical Instrumentation
- \$4.95M Budget
- Start: July 2011
- Estimated Completion: August 2012

CIP Projects in Construction



*Completed PRV Station
at La Presa Site*

**La Presa System
Improvements
(P2370)**



Demolition of the Dorchester Reservoir and PRV

- La Presa System Improvements
- Demolition of 850-1 and 657-1 Pump Stations and Forebay Reservoir
- Multiple Interconnections Throughout Spring Valley
- Demolition of Dorchester Reservoir and Pressure Reducing Station
- \$1.24M Budget
- Start: November 2011
- Estimated Completion: August 2012

CIP Projects in Construction

**Sewer Main
Replacement Projects
(S2019, S2020, S2022,
& S2026)**



*Excavating for Sewer
Replacement on Calavo Drive*

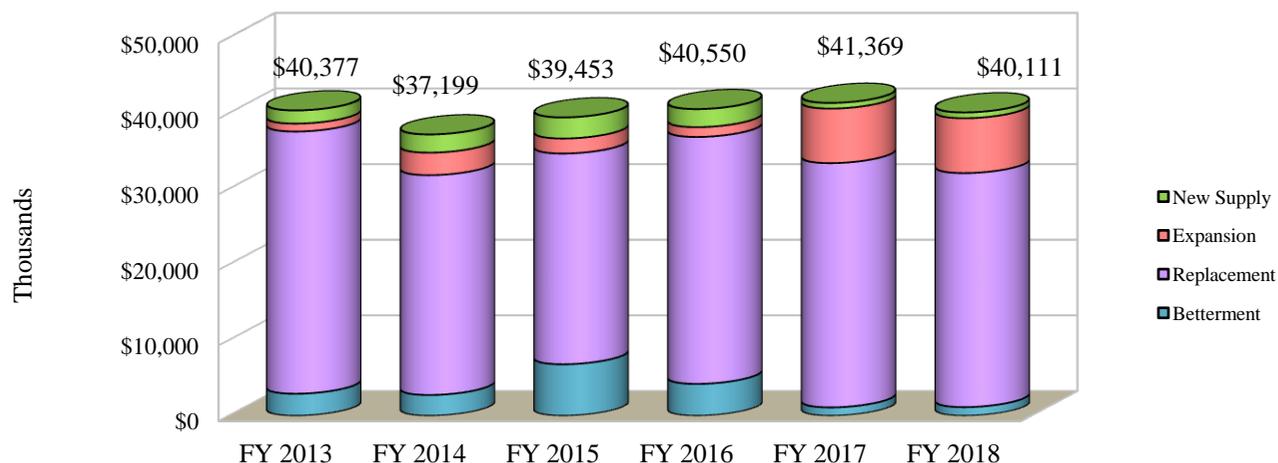
Installing New 15-Inch Sewer on Avocado Blvd.

- Calavo Garden Sewer Rehabilitation
- Replacement of 4,500 Linear Feet of Sewer
- Manhole Rehabilitation/Replacement
- Capacity Upgrades
- New Flow Control and Diversion Vault for Calavo Lift Station
- \$3.10M Budget
- Start: February 2012
- Estimated Completion: May 2013

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 CIPs and their funding sources, including fund transfers in accordance with the District's Reserve Policy, and planned debt issuances. This data is captured in the District's Rate Model on an annual basis in order to make these projections.

Reserve Fund Balances

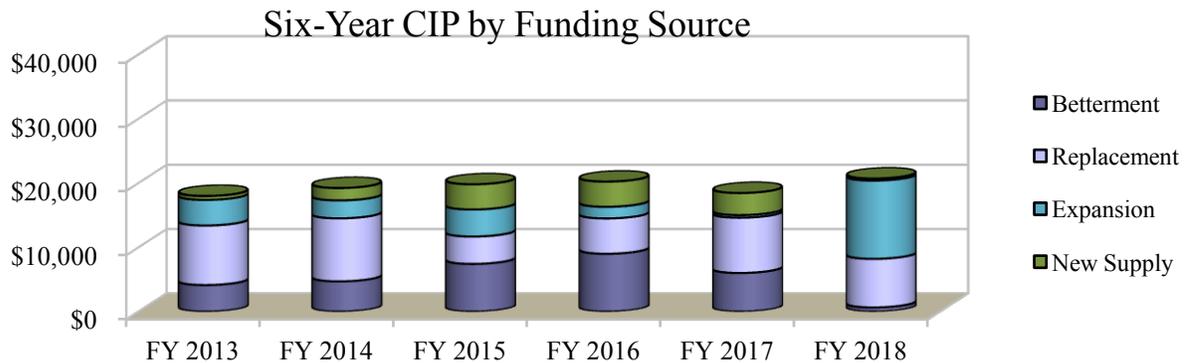


(Thousand \$000s)	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
Beginning Balance	\$ 48,044	\$ 40,377	\$ 37,199	\$ 39,454	\$ 40,550	\$ 41,369	
Capacity Fees	\$ 3,861	\$ 6,087	\$ 8,577	\$ 10,114	\$ 11,711	\$ 12,624	\$ 52,976
Debt financing	-	-	-	4,700	800	-	5,500
Grants	400	350	100	100	100	500	1,550
Interest	269	259	359	457	787	1,089	3,220
Betterment Charges	705	721	735	750	762	774	4,448
Temporary Meters	545	545	546	549	552	553	3,291
Availability (Betterment Portion)	519	530	540	550	560	569	3,268
New Supply Fee	399	644	912	1,052	1,214	1,305	5,527
COPS 2010B Reimbursement	5,380	7,587	8,703	830	830	830	24,160
Transfer from General Fund	7,899	8,907	11,182	12,113	11,720	10,925	62,746
Interfund Transfers	111	99	86	18	30	42	385
Total Sources	20,088	25,729	31,740	31,233	29,066	29,211	167,069
CIP Projects	17,994	19,228	19,807	20,224	18,455	20,699	116,407
Betterment Fees for Maintenance	689	695	704	714	725	737	4,264
Debt Service	7,891	7,962	7,944	8,159	8,016	7,971	47,942
Developer Services	1,181	1,022	1,030	1,040	1,051	1,062	6,385
Transfer to State Loan Reserve	-	-	-	-	-	-	-
Interfund Transfers	-	-	-	-	-	-	-
Total Uses	27,755	28,907	29,485	30,137	28,247	30,469	174,998
Net Sources (Uses)	\$ (7,667)	\$ (3,178)	\$ 2,255	\$ 1,096	\$ 819	\$ (1,258)	\$ (7,929)
Ending Balance	\$ 40,377	\$ 37,199	\$ 39,454	\$ 40,550	\$ 41,369	\$ 40,111	

CIP Funding Source and Category

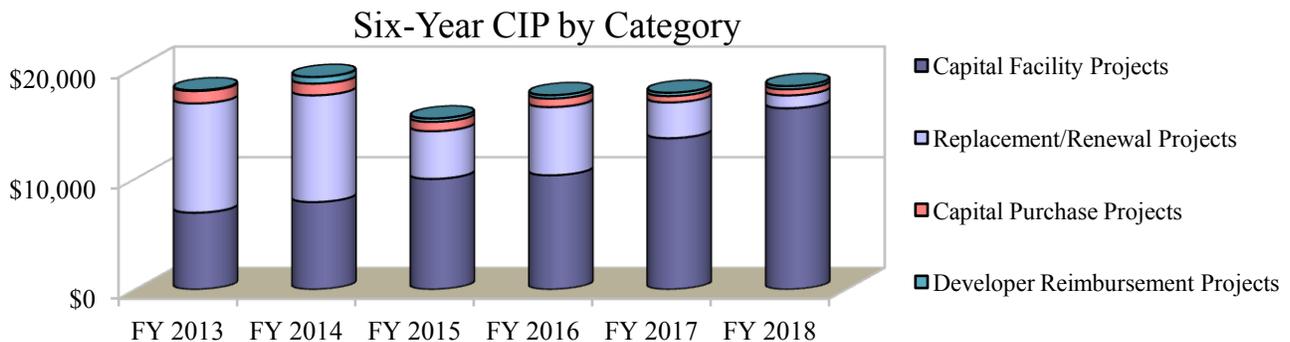
CIP Funding Source

(Thousands \$000s)	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	TOTAL
Expansion	\$ 3,988	\$ 2,794	\$ 4,205	\$ 1,805	\$ 400	\$ 12,171	\$ 25,363
Betterment	4,129	4,706	7,418	9,000	6,010	652	31,915
Replacement	9,273	9,808	4,264	5,499	8,605	7,560	45,009
New Supply	604	1,920	3,920	3,920	3,440	316	14,120
TOTAL	\$ 17,994	\$ 19,228	\$ 19,807	\$ 20,224	\$ 18,455	\$ 20,699	\$ 116,407



CIP Category

(Thousands \$000s)	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	TOTAL
Capital Facility Projects	\$ 6,938	\$ 7,902	\$ 9,992	\$ 10,317	\$ 13,666	\$ 16,375	\$ 65,190
Replacement/Renewal Projects	9,874	9,640	4,310	6,165	3,237	1,162	34,388
Capital Purchase Projects	1,119	1,062	844	774	575	551	4,925
Developer Reimbursement Projects	63	595	300	300	300	290	1,848
Subtotal	17,994	19,199	15,446	17,556	17,778	18,378	106,351
FY 2014 Through FY 2018 Projects	-	29	4,361	2,668	677	2,321	10,056
TOTAL	\$ 17,994	\$ 19,228	\$ 19,807	\$ 20,224	\$ 18,455	\$ 20,699	\$ 116,407



CIP Projects (\$1,000s)

The 2013 Fiscal Year CIP Budget contains 70 projects. The costs for the work planned for Fiscal Year 2013 is \$18 million. Of the 70 projects planned for Fiscal Year 2013, three are designated as reimbursable projects with an estimated cost of \$63 thousand. These projects are built by a developer and reimbursed by the District.

CIP No	Description	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
CAPITAL FACILITY PROJECTS								
P2009	PL - 36-Inch, SDCWA Otay FCF No. 14 to Regulatory Site	\$900						\$900
P2083	PS - 870-2 Pump Station Replacement (28,000 GPM)	50	1	1	750	5,250	5,948	12,000
P2267	36-Inch Main Pumpouts and Air/Vacuum Ventilation Installations	5	230	200				435
P2370	La Presa System Improvements	195						195
P2434	Rancho Del Rey Groundwater Well Development	500	3,100	1,500				5,100
P2451	Otay Mesa Desalination Conveyance and Disinfection System	1,000	1,500	8,000	9,500	8,300	500	28,800
P2466	Regional Training Facility	14	14					28
P2486	Asset Management Plan Condition Assessment and Data Acquisition	200	50	60	60	60	59	489
P2502	803-1 Pump Station Modifications	50						50
P2503	850-2 Pump Station Modifications	50						50
P2511	North District - South District Interconnection System	1,000	1,000					2,000
P2514	PL - 30-Inch, 980 Zone, Hunte Parkway - Proctor Valley/Use Area	1,150						1,150
P2527	1200-1 Pump Station Facility Cover	30						30
P2528	30-Inch Potable Water Pipeline Manifold at 624 Reservoirs	300	1,000					1,300
P2536	HMBP-Emergency Stand-By Generator Secondary Containment	60						60
P2537	Operations Yard Property Acquisition Improvements	250	50					300
R2048	RecPL - Otay Mesa Distribution Pipelines and Conversions	15	1	1	1	50	1,752	1,820
R2058	RecPL - 16-Inch, 860 Zone, Airway Road - Otay Mesa/Alta	5	1	1	1	1	2,141	2,150
R2077	RecPL - 24-Inch, 860 Zone, Alta Road - Alta Gate/Airway	950	950	224				2,124
R2087	RecPL - 24-Inch, 927 Zone, Wueste Road - Olympic/Otay WTP	5	5	5	5	5	5,975	6,000
R2091	RecPS - 927-1 Pump Station Upgrade (10,000 GPM) and System Enhancements	65						65
R2107	RWCWRF Screening Compactor and Chlorine Injectors Enclosure	115						115
S2039	Hidden Mountain Lift Station Enclosure	29						29
23	Total Capital Facility Projects	6,938	7,902	9,992	10,317	13,666	16,375	65,190
REPLACEMENT/RENEWAL PROJECTS								
P2366	APCD Engine Replacements and Retrofits	120	265	200	175	162	162	1,084
P2382	Safety and Security Improvements	300	300	300	300	300		1,500
P2440	I-905 Utility Relocations	5	5					10
P2453	SR-11 Utility Relocations	200	125	125	1,000	700		2,150
P2458	AMR Manual Meter Replacement	1,400	500					1,900
P2477	Res - 624-1 Reservoir Cover Replacement	690						690
P2484	Large Water Meter Testing and Replacement Program	150	100					250
P2485	SCADA Communication System and Software Replacement	629	491					1,120
P2491	850-3 Reservoir Exterior Coating	150						150
P2493	624-2 Reservoir Interior/Exterior Coating	8	1,450	390				1,848
P2494	Multiple Species Conservation Plan	93	30					123
P2495	San Miguel Habitat Management/Mitigation Area	120	200	200	200	200	200	1,120
P2496	Otay Lakes Road Utility Relocations	50						50
P2504	Regulatory Site Access Road and Pipeline Relocation	50	225	175				450
P2507	East Palomar Street Utility Relocation	150	330	235				715
P2508	Pipeline Cathodic Protection Replacement Program	80	50					130
P2513	East Orange Avenue Bridge Crossing	840	150					990
P2515	870-1 Reservoir Paving	100	425					525
P2518	803-3 Reservoir Interior/Exterior Coating	700	50					750
P2519	832-2 Reservoir Interior/Exterior Coating	725	50					775
P2520	Motorola Mobile Radio Upgrade	50						50
P2521	Large Meter Vault Upgrade Program	150	150	100	60			460
P2535	458-2 Reservoir Interior Coating	5	275	20				300
R2096	RWCWRF - Upgrades and Modifications	60						60
R2099	Recycled System Air and Vacuum Value Retrofit	233	233					466
S2012	San Diego County Sanitation District Outfall and RSD Outfall Replacement	100	450	450	450	450	800	2,700
S2019	Avocado Boulevard 8-Inch Sewer Main Improvement	1,375						1,375
S2020	Calavo Drive 8-Inch Sewer Main Replacement	210						210
S2022	Hidden Mesa Drive 8-Inch Sewer Main Rehabilitation	50						50
S2023	Calavo Drive Sewer Main Utility Relocation	60						60
S2024	Campo Road Sewer Main Replacement	50	275	1,250	3,120	800		5,495
S2026	Challenge Boulevard 8-Inch Sewer Main Replacement	155						155
S2027	Rancho San Diego Pump Station Rehabilitation	300	2,490					2,790
S2028	Explorer Way 8-Inch Sewer Main Replacement	1	1	30	60	25		117

CIP Projects (\$1,000s)

CIP No	Description	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total
REPLACEMENT/RENEWAL PROJECTS, continued								
S2033	Sewer System Various Locations Rehabilitation	200	420	150				770
S2040	Calavo Sewer Basin Improvements	275	525	450				1,250
S2041	Rancho San Diego Sewer Basin Improvements	40	75	235	800	600		1,750
38	Total Renewal & Replacements	9,874	9,640	4,310	6,165	3,237	1,162	34,388
CAPITAL PURCHASE PROJECTS								
P2282	Vehicle Capital Purchases	49	392	400	425	450	476	2,192
P2286	Field Equipment Capital Purchases	115	90	75	74	75	75	504
P2443	Wireless Communications System	200	130					330
P2461	Records Management System Upgrade 2	90						90
P2469	Information Technology Network and Hardware	120	250	169	75			614
P2470	Financial System Enhancements	220	200	200	200	50		870
S2042	Sewer Vehicle Capital Purchases	325						325
7	Total Capital Purchase	1,119	1,062	844	774	575	551	4,925
DEVELOPER REIMBURSEMENT PROJECTS								
P2325	PL - 10-inch to 12-inch Oversize, 1296 Zone, PB Road - Rolling Hills Hydro PS/PB Bndy	49						49
R2083	RecPL - 20-Inch, 680 Zone, Heritage Road - Village 2/Olympic	4	395					399
R2094	Potable Irrigation Meters to Recycled Water Conversions	10	200	300	300	300	290	1,400
3	Total Reimbursement Projects	63	595	300	300	300	290	1,848
71	Total- FY2013 Projects	17,994	19,199	15,446	17,556	17,778	18,378	106,351
17	Total- FY2014 Through FY 2018 Projects	-	29	4,361	2,668	677	2,321	10,056
Grand Totals		\$ 17,994	\$ 19,228	\$ 19,807	\$ 20,224	\$ 18,455	\$ 20,699	\$ 116,407

CIP Justification and Impact on Operating Budget

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

Projected Incremental Operating Expenditures ⁽¹⁾										
CIP #	Description	Cost Funding		FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	TOTAL ⁽⁴⁾
		Cat. ⁽²⁾	Source ⁽³⁾							
P2009	PL - 36-Inch, SDCWA Otay FCF No. 14 to Regulatory Site	M	E/B	\$9,600	\$9,900	\$10,200	\$10,500	\$10,800	\$11,100	\$62,100
P2325	PL - 10-inch to 12-inch Oversize, 1296 Zone, PB Road - Rolling Hills Hydro PS/PB Bndy	E	E	\$0	\$2,300	\$2,400	\$2,500	\$2,600	\$0	\$9,800
P2370	La Presa System Improvements	M	B	(\$1,900)	(\$2,000)	(\$2,100)	(\$2,200)	(\$2,300)	\$0	(\$10,500)
P2434	Rancho Del Rey Groundwater Well Development	M/E/C	N/B	\$0	\$604,000	\$604,000	\$604,000	\$604,000	\$604,000	\$3,020,000
P2443	Wireless Communications System	M	R/E	\$0	\$0	\$18,000	\$18,500	\$19,100	\$0	\$55,600
P2451	Otay Mesa Desalination Conveyance and Disinfection System	E/C	N/B	\$0	\$0	\$0	\$0	\$10,000	\$28,500	\$38,500
P2458	AMR Manual Meter Replacement	M	R	\$0	\$0	\$0	(\$226,400)	(\$233,200)	(\$240,000)	(\$699,600)
P2502	803-1 Pump Station Modifications	E	B	\$0	(\$40,950)	(\$81,900)	(\$84,400)	(\$86,900)	(\$89,500)	(\$383,650)
P2503	850-2 Pump Station Modifications	E	B	\$0	(\$25,200)	(\$50,400)	(\$51,900)	(\$53,500)	(\$55,100)	(\$236,100)
P2514	PL - 30-Inch, 980 Zone, Hunte Parkway - Proctor Valley/Use Area	M	E	\$0	\$700	\$700	\$700	\$700	\$0	\$2,800
R2082	RecPL - 24-Inch, 680 Zone, Olympic Parkway - Village 2/Heritage	M	E	\$0	\$0	\$0	\$1,200	\$1,200	\$0	\$2,400
R2083	RecPL - 20-Inch, 680 Zone, Heritage Road - Village 2/Olympic	M	E	\$0	\$0	\$700	\$700	\$700	\$0	\$2,100
R2084	RecPL - 20-Inch, 680 Zone, Village 2 - Heritage/La Media	M	E	\$0	\$0	\$0	\$0	\$1,900	\$0	\$1,900
R2085	RecPL - 20-Inch, 680 Zone, La Media - State/Olympic	M	E	\$0	\$0	\$0	\$1,300	\$1,300	\$0	\$2,600
Total Operating Budget Cost Impact				\$7,700	\$548,750	\$501,600	\$274,500	\$276,400	\$259,000	\$1,867,950

Cost Category	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	TOTAL
Maintenance (M)	\$7,700	\$338,600	\$357,500	\$134,300	\$130,200	\$101,100	\$1,069,400
Energy (E)	\$0	\$196,150	\$130,100	\$126,200	\$131,200	\$140,400	\$724,050
Chemical (C)	\$0	\$14,000	\$14,000	\$14,000	\$15,000	\$17,500	\$74,500
Total Operating Budget Cost Impact	\$7,700	\$548,750	\$501,600	\$274,500	\$276,400	\$259,000	\$1,867,950

- ⁽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⁾ Cost Category - Indicates maintenance cost, energy cost, or chemical cost, based on the project type and Engineer's estimates.
- ⁽³⁾ Funding Source - Some projects have multiple funding sources as indicated by a slash (/): E - Expansion B - Betterment R - Replacement N - New Supply
- ⁽⁴⁾ Negative cost reflect savings gained from operational efficiencies or the retirement of a facility.

Note: See pages 182-183 for complete description of CIP projects.

Otay Water District
 FY 2013 - FY 2018
 CIP Project Schedule

Task Name	Project Name	Start	Finish	2013		2014		2015		2016		2017		2018	
				H2	H1	H2									
P2009	PL - 36-Inch, SDCWA Otay FCF No. 14 to Regulatory Site	Tue 4/24/12	Tue 4/24/12												
	Construction	Wed 7/1/09	Wed 1/1/14	█											
P2083	PS - 870-2 Pump Station Replacement (28,000 GPM)	Tue 4/24/12	Tue 4/24/12												
	Planning	Tue 4/24/12	Sat 6/1/13	█											
	Design	Mon 7/1/13	Mon 11/30/15			█									
	Construction	Tue 4/24/12	Mon 12/31/18	█											
P2104	PL - 12-Inch, 711 Zone, La Media Road - Birch/Rock Mountain	Tue 4/24/12	Tue 4/24/12												
	Planning	Thu 7/1/04	Fri 5/31/13	█											
	Design	Mon 7/1/13	Fri 5/30/14			█									
	Construction	Tue 7/1/14	Fri 5/29/15					█							
P2107	PL - 12-Inch, 711 Zone, Rock Mountain Road - La Media/SR 125	Tue 4/24/12	Tue 4/24/12												
	Planning	Thu 7/1/04	Fri 5/31/13	█											
	Design	Mon 7/1/13	Fri 5/30/14			█									
	Construction	Tue 7/1/14	Fri 5/29/15					█							
P2190	PL - 10-Inch, 1485 Zone, Jamul Highlands	Tue 4/24/12	Tue 4/24/12												
	Planning	Fri 7/1/05	Thu 5/31/07												
	Design	Mon 7/2/07	Tue 5/31/11												
	Construction	Mon 7/11/11	Fri 5/31/13	█											
P2267	36-Inch Main Pumpouts and Air/Vacuum Ventilation	Tue 4/24/12	Tue 4/24/12												
	Construction	Tue 7/1/97	Fri 5/29/15	█											
P2282	Vehicle Capital Purchases	Tue 4/24/12	Tue 4/24/12												
	Planning	Fri 12/1/00	Thu 5/31/18	█											
P2285	Office Equipment and Furniture Capital Purchases	Tue 4/24/12	Tue 4/24/12												
	Planning	Fri 12/1/00	Wed 5/31/17	█											
P2286	Field Equipment Capital Purchases	Tue 4/24/12	Tue 4/24/12												
	Planning	Fri 12/1/00	Thu 5/31/18	█											
P2325	PL - 10" to 12" Oversize, 1296 Zone, PB Road - Rolling Hills	Tue 4/24/12	Tue 4/24/12												
	Planning	Thu 7/1/04	Fri 5/31/13	█											
	Design	Mon 9/2/13	Fri 11/29/13			█									
	Construction	Wed 1/1/14	Fri 5/30/14					█							
P2366	APCD Engine Replacements and Retrofits	Tue 4/24/12	Tue 4/24/12												
	Construction	Thu 7/1/10	Thu 5/31/18	█											
P2370	La Presa System Improvements	Tue 4/24/12	Tue 4/24/12												
	Construction	Mon 8/1/11	Fri 6/29/12												
P2382	Safety and Security Improvements	Tue 4/24/12	Tue 4/24/12												
	Design	Mon 9/1/03	Mon 5/31/10												
	Construction	Mon 8/2/04	Wed 5/31/17	█											
P2403	PL - 12-Inch, 624 Zone, Heritage Road - Olympic/Otay Valley	Tue 4/24/12	Tue 4/24/12												
	Design	Mon 7/3/06	Wed 5/31/17	█											
	Construction	Mon 7/3/17	Thu 5/31/18											█	
P2434	Rancho Del Rey Groundwater Well Development	Tue 4/24/12	Tue 4/24/12												
	Design	Mon 1/3/11	Fri 6/29/12												
	Construction	Wed 8/1/12	Fri 7/31/15	█											
P2440	I-905 Utility Relocations	Tue 4/24/12	Tue 4/24/12												
	Construction	Mon 10/2/06	Fri 11/29/13	█											
P2443	Wireless Communications System	Tue 4/24/12	Tue 4/24/12												
	Planning	Fri 7/1/05	Thu 5/31/18	█											

Otay Water District
 FY 2013 - FY 2018
 CIP Project Schedule

Task Name	Project Name	Start	Finish	2013		2014		2015		2016		2017		2018	
				H2	H1	H2									
P2451	Otay Mesa Desalination Conveyance and Disinfection	Tue 4/24/12	Tue 4/24/12												
	Planning	Mon 7/3/06	Thu 2/28/13	■											
	Design	Fri 3/1/13	Fri 8/29/14		■	■									
	Construction	Wed 10/1/14	Fri 9/30/16					■	■	■					
P2453	SR-11 Utility Relocations	Tue 4/24/12	Tue 4/24/12												
	Planning	Mon 7/3/06	Mon 5/31/10												
	Design	Wed 7/1/09	Thu 9/30/10												
	Construction	Mon 11/1/10	Fri 5/30/14	■	■	■									
P2458	AMR Manual Meter Replacement	Tue 4/24/12	Tue 4/24/12												
	Construction	Mon 7/3/06	Fri 5/30/14	■	■	■									
P2461	Records Management System Upgrade 2	Tue 4/24/12	Tue 4/24/12												
	Planning	Mon 7/2/07	Thu 5/31/18	■	■	■	■	■	■	■	■	■	■	■	■
P2466	Regional Training Facility	Tue 4/24/12	Tue 4/24/12												
	Planning	Tue 8/1/06	Fri 6/28/13	■	■										
P2469	Information Technology Network and Hardware	Tue 4/24/12	Tue 4/24/12												
	Planning	Tue 7/1/08	Wed 6/29/16	■	■	■	■	■	■	■	■	■	■	■	■
P2470	Application Systems Development	Tue 4/24/12	Tue 4/24/12												
	Planning	Tue 4/24/12	Tue 5/31/16	■	■	■	■	■	■	■	■	■	■	■	■
P2477	Res - 624-1 Reservoir Cover Replacement	Tue 4/24/12	Tue 4/24/12												
	Planning	Tue 7/1/08	Tue 1/31/12												
	Design	Wed 2/1/12	Fri 9/28/12	■											
	Construction	Mon 10/1/12	Thu 1/31/13	■											
P2484	Large Water Meter Testing and Replacement Program	Tue 4/24/12	Tue 4/24/12												
	Construction	Wed 7/1/09	Fri 5/30/14	■	■	■									
P2485	SCADA Communication System and Software Replacement	Tue 4/24/12	Tue 4/24/12												
	Construction	Wed 7/1/09	Fri 5/30/14	■	■	■									
P2486	Asset Management Plan Condition Assessment and Data Acquisition	Tue 4/24/12	Tue 4/24/12												
	Planning	Wed 7/1/09	Thu 5/31/18	■	■	■	■	■	■	■	■	■	■	■	■
P2491	850-3 Reservoir Exterior Coating	Tue 4/24/12	Tue 4/24/12												
	Construction	Thu 12/1/11	Fri 5/31/13	■											
P2493	624-2 Reservoir Interior/Exterior Coating	Tue 4/24/12	Tue 4/24/12												
	Design	Wed 9/1/10	Mon 12/30/13	■	■	■									
	Construction	Wed 1/1/14	Thu 7/31/14				■								
P2494	Multiple Species Conservation Plan	Tue 4/24/12	Tue 4/24/12												
	Planning	Wed 7/1/09	Fri 6/28/13	■	■										
P2495	San Miguel Habitat Management/Mitigation Area	Tue 4/24/12	Tue 4/24/12												
	Planning	Wed 7/1/09	Fri 6/29/18	■	■	■	■	■	■	■	■	■	■	■	■
P2496	Otay Lakes Road Utility Relocations	Tue 4/24/12	Tue 4/24/12												
	Construction	Fri 1/1/10	Mon 12/30/13	■	■	■									
P2502	803-1 Pump Station Modifications	Tue 4/24/12	Tue 4/24/12												
	Construction	Mon 5/2/11	Fri 11/30/12	■											
P2503	850-2 Pump Station Modifications	Tue 4/24/12	Tue 4/24/12												
	Construction	Mon 5/2/11	Fri 11/30/12	■											
P2504	Regulatory Site Access Road and Pipeline Relocation	Tue 4/24/12	Tue 4/24/12												
	Design	Fri 10/1/10	Fri 11/30/12	■											
	Construction	Tue 1/1/13	Fri 8/29/14		■	■	■								
P2507	East Palomar Street Utility Relocation	Tue 4/24/12	Tue 4/24/12												
	Construction	Mon 1/2/12	Fri 5/30/14	■	■	■									

Otay Water District
FY 2013 - FY 2018
CIP Project Schedule

Task Name	Project Name	Start	Finish	2013		2014		2015		2016		2017		2018	
				H2	H1	H2									
P2508	Pipeline Cathodic Protection Replacement Program	Tue 4/24/12	Tue 4/24/12												
	Design	Fri 10/1/10	Fri 4/27/12												
	Construction	Tue 5/1/12	Mon 12/30/13	■											
P2511	North District - South District Interconnection System	Tue 4/24/12	Tue 4/24/12												
	Planning	Thu 7/1/10	Fri 12/28/12	■											
	Design	Mon 4/2/12	Fri 7/31/15	■											
	Construction	Mon 7/2/18	Wed 7/1/20												■
P2513	East Orange Avenue Bridge Crossin	Tue 4/24/12	Tue 4/24/12												
	Planning	Fri 7/1/11	Fri 5/31/13	■											
	Design	Mon 7/1/13	Fri 11/29/13			■									
	Construction	Wed 1/1/14	Tue 5/31/16					■							
P2514	PL - 30-Inch, 980 Zone, Hunte Parkway - Proctor Valley/Use Area	Tue 4/24/12	Tue 4/24/12												
	Design	Mon 1/2/12	Fri 11/30/12	■											
	Construction	Tue 1/1/13	Fri 8/30/13			■									
P2515	870-1 Reservoir Paving	Tue 4/24/12	Tue 4/24/12												
	Planning	Fri 7/1/11	Wed 11/30/11												
	Design	Mon 1/2/12	Fri 6/28/13	■											
	Construction	Mon 7/1/13	Mon 12/30/13			■									
P2518	803-3 Reservoir Interior/Exterior Coating	Tue 4/24/12	Tue 4/24/12												
	Planning	Fri 7/1/11	Fri 8/31/12	■											
	Design	Mon 10/1/12	Fri 11/29/13			■									
	Construction	Tue 1/1/13	Fri 8/30/13			■									
P2519	832-2 Reservoir Interior/Exterior Coating	Tue 4/24/12	Tue 4/24/12												
	Planning	Fri 7/1/11	Fri 8/31/12	■											
	Design	Mon 10/1/12	Fri 11/29/13			■									
	Construction	Tue 1/1/13	Fri 8/30/13			■									
P2520	Motorola Mobile Radio Upgrade	Tue 4/24/12	Tue 4/24/12												
	Construction	Mon 8/1/11	Fri 9/28/12	■											
P2521	Large Meter Vault Upgrade Program	Tue 4/24/12	Tue 4/24/12												
	Construction	Mon 8/1/11	Mon 11/30/15	■											
P2527	1200-1 Pump Station Facility Cover	Tue 4/24/12	Tue 4/24/12												
	Construction	Mon 7/1/13	Fri 5/30/14			■									
P2528	30-Inch Potable Water Pipeline Manifold at 624 Reservoirs	Tue 4/24/12	Tue 4/24/12												
	Planning	Mon 7/1/13	Mon 6/30/14			■									
	Design	Tue 7/1/14	Tue 6/30/15					■							
	Construction	Mon 7/2/18	Wed 7/1/20												■
P2529	711-2 Reservoir Interior & Exterior Coating	Tue 4/24/12	Tue 4/24/12												
	Planning	Mon 6/1/15	Fri 8/28/15					■							
	Design	Tue 9/1/15	Wed 12/30/15							■					
	Construction	Fri 1/1/16	Fri 7/29/16								■				
P2530	711-1 Reservoir Interior & Exterior Coating	Tue 4/24/12	Tue 4/24/12												
	Planning	Mon 6/1/15	Fri 8/28/15					■							
	Design	Tue 9/1/15	Wed 12/30/15							■					
	Construction	Fri 1/1/16	Fri 7/29/16								■				
P2531	944-1 Reservoir Interior & Exterior Coating	Tue 4/24/12	Tue 4/24/12												
	Planning	Mon 6/2/14	Fri 8/29/14					■							
	Design	Mon 9/1/14	Tue 12/30/14							■					
	Construction	Thu 1/1/15	Fri 7/31/15							■					
P2532	944-2 Reservoir Interior & Exterior Coating	Tue 4/24/12	Tue 4/24/12												

Otay Water District
FY 2013 - FY 2018
CIP Project Schedule

Task Name	Project Name	Start	Finish	2013		2014		2015		2016		2017		2018	
				H2	H1	H2									
	Planning	Mon 6/2/14	Fri 8/29/14												
	Design	Mon 9/1/14	Tue 12/30/14												
	Construction	Wed 1/1/14	Thu 7/31/14												
P2533	1200-1 Reservoir Interior & Exterior Coating	Tue 4/24/12	Tue 4/24/12												
	Planning	Wed 6/1/16	Thu 9/29/16												
	Design	Mon 10/3/16	Fri 12/30/16												
	Construction	Mon 1/2/17	Wed 8/30/17												
P2534	978-1 Reservoir Interior & Exterior Coating	Tue 4/24/12	Tue 4/24/12												
	Planning	Thu 6/2/16	Thu 9/29/16												
	Design	Mon 10/3/16	Fri 12/30/16												
	Construction	Mon 1/2/17	Mon 7/31/17												
P2535	458-2 Reservoir Interior Coating	Tue 4/24/12	Tue 4/24/12												
	Planning	Mon 6/3/13	Fri 9/27/13												
	Design	Tue 10/1/13	Tue 12/30/14												
	Construction	Wed 1/1/14	Fri 5/30/14												
P2536	HMBP-Emergency Stand-By Generator Secondary Containment	Tue 4/24/12	Tue 4/24/12												
	Construction	Mon 7/2/12	Fri 5/31/13												
P2537	Operations Yard Property Acquisition Improvements	Tue 4/24/12	Tue 4/24/12												
	Planning	Mon 11/3/08	Fri 9/28/12												
	Design	Thu 11/1/12	Mon 12/31/12												
	Construction	Fri 2/1/13	Thu 2/28/13												
R2028	RecPL - 8-Inch, 680 Zone, Heritage Road - Santa Victoria/Otay Valley	Tue 4/24/12	Tue 4/24/12												
	Design	Mon 7/3/06	Wed 5/31/17												
	Construction	Mon 7/3/17	Thu 5/31/18												
R2042	RecPL - 8-Inch, 927 Zone, Rock Mountain Road - SR-125/EastLake	Tue 4/24/12	Tue 4/24/12												
	Design	Fri 9/1/06	Wed 5/31/17												
	Construction	Mon 7/3/17	Thu 5/31/18												
R2047	RecPL - 12-Inch, 680 Zone, La Media Road - Birch/Rock Mountain	Tue 4/24/12	Tue 4/24/12												
	Design	Fri 9/1/06	Wed 5/31/17												
	Construction	Mon 7/3/17	Thu 5/31/18												
R2048	RecPL - Otay Mesa Distribution Pipelines and Conversions	Tue 4/24/12	Tue 4/24/12												
	Construction	Wed 7/1/15	Fri 6/29/18												
R2058	RecPL - 16-Inch, 860 Zone, Airway Road - Otay Mesa/Alta	Tue 4/24/12	Tue 4/24/12												
	Construction	Fri 7/1/11	Wed 5/31/17												
R2077	RecPL - 24-Inch, 860 Zone, Alta Road - Alta Gate/Airway	Tue 4/24/12	Tue 4/24/12												
	Construction	Fri 7/1/11	Fri 5/29/15												
R2082	RecPL - 24-Inch, 680 Zone, Olympic Parkway - Village	Tue 4/24/12	Tue 4/24/12												
	Planning	Thu 7/1/04	Thu 5/31/12												
	Design	Mon 7/2/12	Fri 5/29/15												
	Construction	Wed 7/1/15	Tue 5/31/16												
R2083	RecPL - 20-Inch, 680 Zone, Heritage Road - Village 2/Olympic	Tue 4/24/12	Tue 4/24/12												
	Construction	Mon 7/2/12	Fri 5/30/14												
R2084	RecPL - 20-Inch, 680 Zone, Village 2 - Heritage/La Media	Tue 4/24/12	Tue 4/24/12												
	Planning	Thu 7/1/04	Fri 5/31/13												
	Design	Mon 7/2/12	Mon 11/30/15												
	Construction	Wed 7/1/15	Tue 5/31/16												

Otay Water District
FY 2013 - FY 2018
CIP Project Schedule

Task Name	Project Name	Start	Finish	2013		2014		2015		2016		2017		2018	
				H2	H1	H2									
R2085	RecPL - 20-Inch, 680 Zone, La Media - State/Olympic	Tue 4/24/12	Tue 4/24/12												
	Planning	Thu 7/1/04	Fri 5/31/13	■	■										
	Design	Mon 7/1/13	Fri 5/30/14			■	■								
	Construction	Tue 7/1/14	Fri 5/29/15					■	■						
R2087	RecPL - 24-Inch, 927 Zone, Wueste Road - Olympic/Otay WTP	Tue 4/24/12	Tue 4/24/12												
	Construction	Fri 7/1/16	Wed 5/31/17									■	■		
R2091	RecPS - 927-1 Pump Station Upgrade (10,000 GPM) and System	Tue 4/24/12	Tue 4/24/12												
	Construction	Wed 6/1/11	Fri 6/29/12												
R2094	Potable Irrigation Meters to Recycled Water Conversions	Tue 4/24/12	Tue 4/24/12												
	Construction	Fri 7/1/11	Wed 5/31/17	■	■	■	■	■	■	■	■	■	■	■	■
R2096	RWCWRF - Upgrades and Modifications	Tue 4/24/12	Tue 4/24/12												
	Construction	Mon 5/2/11	Fri 5/31/13	■	■										
R2099	Recycled System Air and Vacuum Value Retrofit	Tue 4/24/12	Tue 4/24/12												
	Planning	Fri 7/1/11	Fri 5/30/14	■	■	■	■								
R2107	RWCWRF Screening Compactor and Chlorine Injectors Enclosure	Tue 4/24/12	Tue 4/24/12												
	Planning	Tue 4/24/12	Tue 4/24/12												
	Design	Tue 4/24/12	Tue 4/24/12												
	Construction	Mon 7/2/12	Fri 5/31/13	■	■										
S2012	San Diego County Sanitation District Outfall and RSD Outfall	Tue 4/24/12	Tue 4/24/12												
	Planning	Tue 7/1/03	Thu 5/31/18	■	■	■	■	■	■	■	■	■	■	■	■
S2019	Avocado Boulevard 8-Inch Sewer Main Improvement	Tue 4/24/12	Tue 4/24/12												
	Construction	Fri 10/1/10	Fri 11/30/12	■	■										
S2020	Calavo Drive 8-Inch Sewer Main Replacement	Tue 4/24/12	Tue 4/24/12												
	Construction	Fri 10/1/10	Fri 11/30/12	■	■										
S2022	Hidden Mesa Drive 8-Inch Sewer Main Rehabilitation	Tue 4/24/12	Tue 4/24/12												
	Construction	Fri 10/1/10	Fri 11/30/12	■	■										
S2023	Calavo Drive Sewer Main Utility Relocation	Tue 4/24/12	Tue 4/24/12												
	Planning	Wed 7/1/09	Mon 8/31/09												
	Design	Thu 10/1/09	Fri 6/29/12												
	Construction	Mon 7/2/12	Wed 2/27/13	■	■										
S2024	Campo Road Sewer Main Replacement	Tue 4/24/12	Tue 4/24/12												
	Planning	Thu 7/1/10	Fri 11/30/12	■	■										
	Design	Mon 1/2/12	Tue 12/31/13	■	■	■	■								
	Construction	Mon 2/2/15	Wed 5/31/17					■	■	■	■	■	■	■	■
S2026	Challenge Boulevard 8-Inch Sewer Main Replacement	Tue 4/24/12	Tue 4/24/12												
	Construction	Mon 1/2/12	Tue 4/30/13	■	■										
S2027	Rancho San Diego Pump Station Rehabilitation	Tue 4/24/12	Tue 4/24/12												
	Planning	Fri 7/1/11	Thu 5/31/12												
	Design	Mon 7/2/12	Fri 11/30/12	■	■										
	Construction	Tue 1/1/13	Fri 8/29/14			■	■	■	■						
S2028	Explorer Way 8-Inch Sewer Main Replacement	Tue 4/24/12	Tue 4/24/12												
	Planning	Fri 7/1/11	Tue 12/30/14	■	■	■	■	■	■						
	Design	Thu 1/1/15	Tue 6/30/15					■	■						
	Construction	Tue 9/1/15	Wed 8/31/16							■	■				

Otay Water District
FY 2013 - FY 2018
CIP Project Schedule

Task Name	Project Name	Start	Finish	2013		2014		2015		2016		2017		2018	
				H2	H1	H2									
S2033	Sewer System Various Locations Rehabilitation	Tue 4/24/12	Tue 4/24/12												
	Planning	Fri 7/1/11	Fri 5/31/13	■											
	Design	Mon 7/2/12	Fri 6/28/13	■											
	Construction	Mon 9/2/13	Mon 8/31/15			■									
S2039	Hidden Mountain Lift Station Enclosure	Tue 4/24/12	Tue 4/24/12												
	Planning	Tue 4/24/12	Tue 4/24/12												
	Design	Tue 4/24/12	Tue 4/24/12												
	Construction	Mon 7/2/12	Fri 5/31/13	■											
S2040	Calavo Sewer Basin Improvements	Tue 4/24/12	Tue 4/24/12												
	Planning	Mon 7/2/12	Fri 12/28/12	■											
	Design	Tue 1/1/13	Fri 6/28/13		■										
	Construction	Mon 9/2/13	Fri 8/29/14			■									
S2041	Rancho San Diego Sewer Basin Improvements	Tue 4/24/12	Tue 4/24/12												
	Planning	Mon 7/2/12	Mon 12/30/13	■											
	Design	Wed 1/1/14	Tue 6/30/15			■									
	Construction	Tue 9/1/15	Wed 8/31/16					■							
S2042	Sewer Vehicle Capital Purchases	Tue 4/24/12	Tue 4/24/12												
	Planning	Mon 7/2/12	Fri 5/31/13	■											
	Design	Tue 4/24/12	Tue 4/24/12												
	Construction	Tue 4/24/12	Tue 4/24/12												

FY 2013 Capital Purchases

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

<u>Item#</u>	<u>Description</u>	<u>Amount</u>	<u>Type</u>
Field Equipment			
Engineering Development Services			
2	GPS Base Station consisting of a NetR9 receiver and Zephyr Geodetic II Antenna (P2286)	20,000.00	R
Operations			
7	Crane for Unit 174 (P2286)	26,000.00	R
8	Heavy equipment trailer. (P2286)	23,000.00	R
9	Heavy equipment trailer. (P2286)	23,000.00	R
10	Portable light tower. (P2366)	15,000.00	R
11	Replacement backhoe (P2366)	105,000.00	R
1	Mueller CL-12 Tapping Machine (P2286)	22,600.00	R
Total of Field Equipment		234,600.00	
Vehicles			
Operations			
3	This vehicle (Unit 110) is a Class 8 sewer line cleaning vehicle utilized to maintain the District's sewer collection system as required by the San Diego Regional Water Quality Control Board. The funding for this replacement will come from the Vehicle Capital Replacement Purchases (S2042)	325,000.00	R
4	2012 Ford F150 (P2282)	26,000.00	R
6	2012 Toyota Matrix (P2282)	23,000.00	R
Total of Vehicles		374,000.00	
		Grand Total :	608,600.00

Summary by Project

P2366 APCD	\$ 120,000
P2282 Vehicle	\$ 49,000
P2286 Field	\$ 114,600
S2042 Sewer Vehicle	\$ 325,000
	<u>\$ 608,600</u>

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

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

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

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

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

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

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

CIP Number: P2009

PROJECT MANAGER:	Ron Ripperger	DIRECTOR DIVISION:	5
ORIGINAL APPROVED DATE:	7/16/1997	I.D. LOCATION:	3 & 20
RELATED CIP PROJECTS:		PRIORITY:	1
		BUDGET AMOUNT:	\$21,600,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

The SDCWA has provided \$4.2 million in funds towards construction of 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.

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Betterment ID 1	0 %	5 %	0 %	0 %	5 %
Betterment ID 2	0 %	2 %	0 %	0 %	2 %
Betterment ID 3	0 %	4 %	0 %	0 %	4 %
Betterment ID 5	0 %	1 %	0 %	0 %	1 %
Betterment ID 7	0 %	5 %	0 %	0 %	5 %
Betterment ID 9	0 %	2 %	0 %	0 %	2 %
Betterment ID 10	0 %	4 %	0 %	0 %	4 %
Betterment ID 20	0 %	7 %	0 %	0 %	7 %
Betterment ID 22	0 %	30 %	0 %	0 %	30 %
Expansion	40 %	0 %	0 %	0 %	40 %
TOTAL:	40 %	60 %	0 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
	\$20,700	\$900	\$0	\$0	\$0	\$0	\$21,600

CIP Number: P2009

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/1997	10/1/2007	\$309
DESIGN:	11/1/2007	6/1/2009	\$2,691
CONSTRUCTION:	7/1/2009	1/1/2014	\$18,600

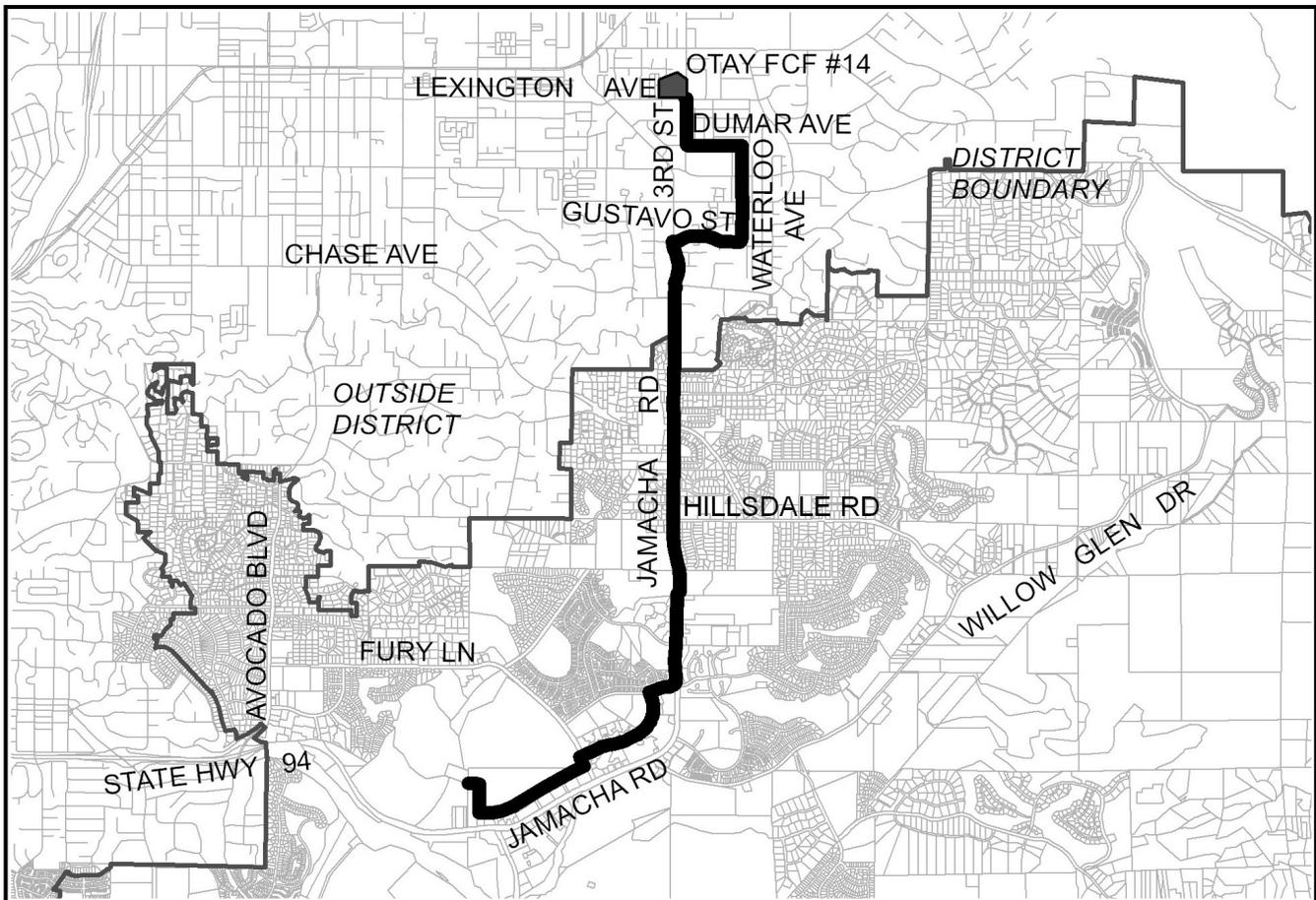
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$9,600	\$9,900	\$10,200	\$10,500	\$10,800	\$11,100	\$62,100
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1272

OWD Map Book: 356



Submitted By: Ron Ripperger

Date: 9/22/2011

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

CIP Number: P2083

PROJECT MANAGER: Jeff Marchioro

DIRECTOR DIVISION: 2

ORIGINAL APPROVED DATE: 5/17/1995

I.D. LOCATION: 7

RELATED CIP PROJECTS: P2451

PRIORITY: 1

BUDGET AMOUNT: \$12,581,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Replacement	0 %	0 %	100 %	0 %	100 %
TOTAL:	0 %	0 %	100 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY							
TOTAL	2013	2014	2015	2016	2017	2018	Total	
	\$581	\$50	\$1	\$1	\$750	\$5,250	\$5,948	\$12,581

CIP Number: P2083

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:		6/1/2013	\$650
DESIGN:	7/1/2013	12/1/2015	\$1,100
CONSTRUCTION:	1/1/2016	1/1/2019	\$10,831

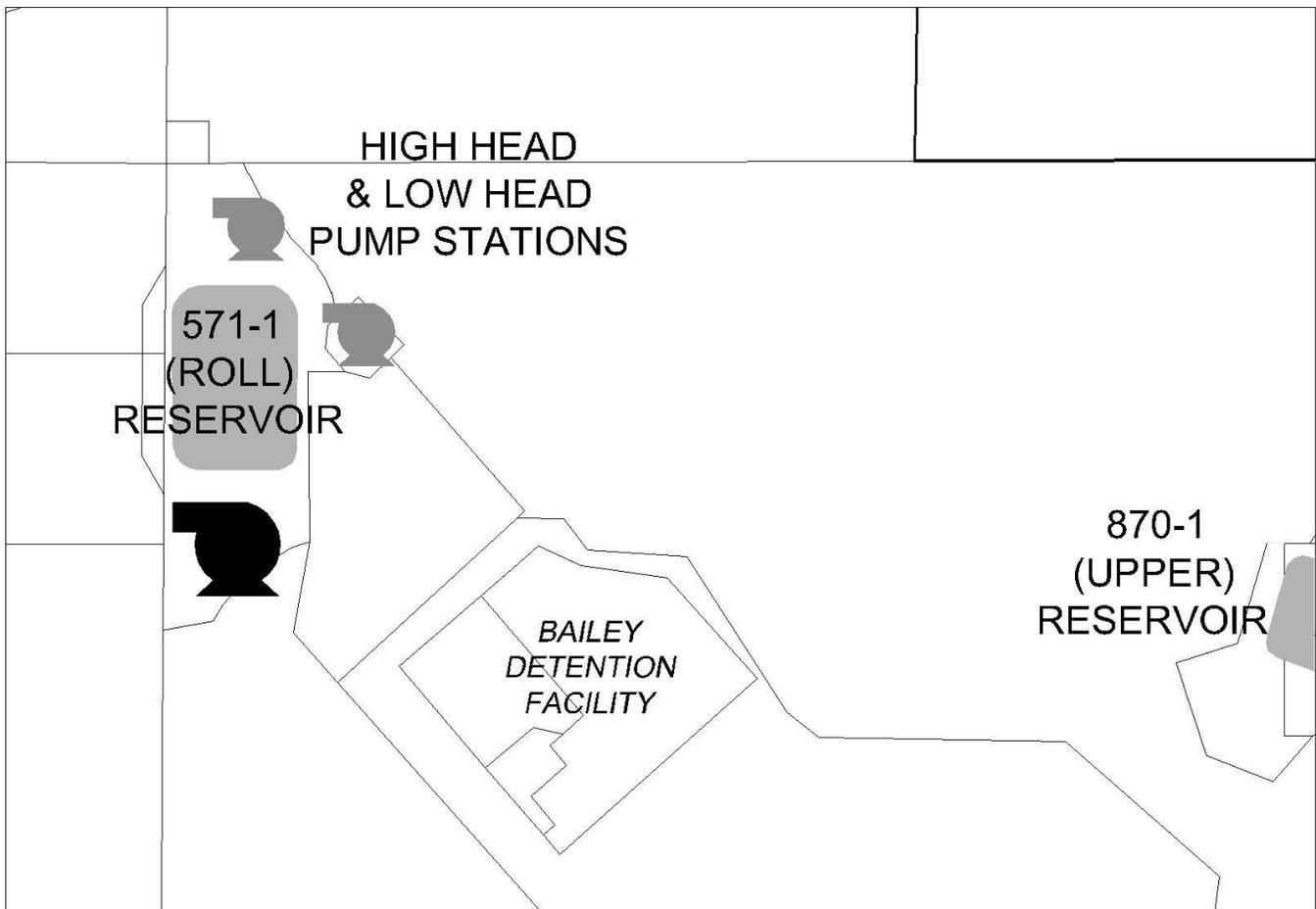
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1332

OWD Map Book: 055



Submitted By: Jeff Marchioro

Date: 9/22/2011

PROJECT TITLE: 36-Inch Main Pumpouts and Air/Vacuum Ventilation Installations

CIP Number: P2267

PROJECT MANAGER:	Tadeo Vasquez	DIRECTOR DIVISION:	3
ORIGINAL APPROVED DATE:	6/3/1996	I.D. LOCATION:	1
RELATED CIP PROJECTS:		PRIORITY:	2
		BUDGET AMOUNT:	\$435,000

DESCRIPTION OF PROJECT:

Installation of ventilation equipment on the existing pump out and air/vacuum vaults on 36-inch transmission main from the San Diego County Water Authority Otay FCF No. 11 to the Regulatory Site. This project also includes upsizing the existing 2-inch air/vacuum valves to 6-inch.

JUSTIFICATION OF PROJECT:

The vault openings do not stay in place when refilling because they lack ventilation. By installing vents in these vaults, the lids will stay in place, thus eliminating a safety hazard. Draining and filling the 36-inch main at higher flow rates is required to return the system to service in shorter periods of time.

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Betterment ID 1	0 %	100 %	0 %	0 %	100 %
TOTAL:	0 %	100 %	0 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
	\$0	\$5	\$230	\$200	\$0	\$0	\$435

CIP Number: P2267

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/1997	6/1/2015	\$435

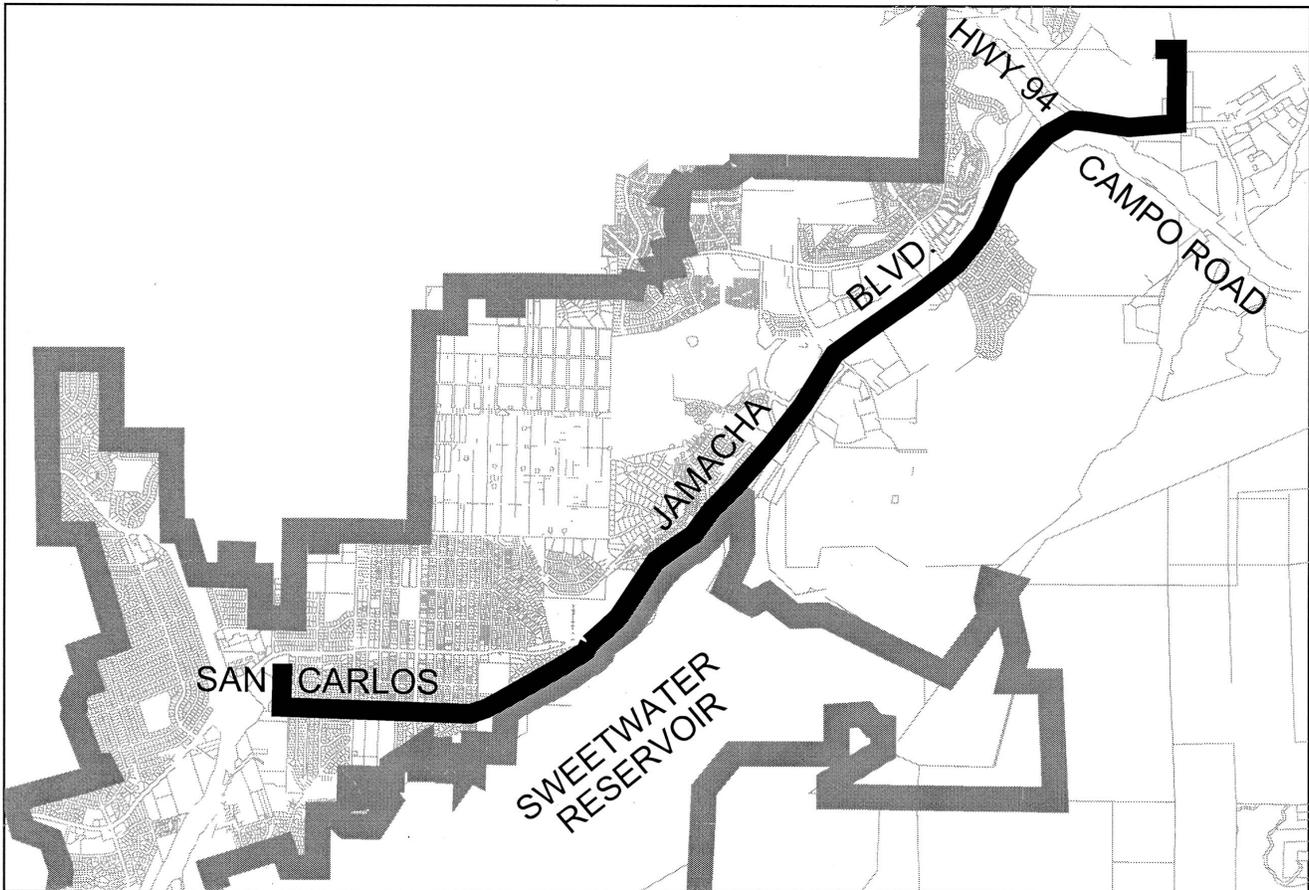
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1291

OWD Map Book: 198



Submitted By: Tadeo Vasquez

Date: 10/19/2011

PROJECT TITLE: La Presa System Improvements		CIP Number: P2370					
PROJECT MANAGER: Daniel Kay		DIRECTOR DIVISION: 3		I.D. LOCATION: 1			
ORIGINAL APPROVED DATE: 7/16/1997		PRIORITY: 1		BUDGET AMOUNT: \$1,430,000			
RELATED CIP PROJECTS:							
DESCRIPTION OF PROJECT:							
<p>This project includes the construction of four interconnections in the La Presa System. Three of the connections are between the 36-inch main and 6-inch main in San Carlos Street. The fourth connection is in Paradise Valley Road at the beginning of the 42-inch main and the 16-inch pipeline. The project will also demolish the existing Dorchester Reservoir and hydro-pneumatic pump station on Dorchester Street. The La Presa 657-1 and 850-1 Pump Stations will be demolished after a new pressure reducing station between the 850/657 pressure zone is constructed.</p>							
JUSTIFICATION OF PROJECT:							
<p>The interconnections will provide enhanced capacity, increased reliability, and operational flexibility for the La Presa System. The existing reservoir and pump station are no longer required to serve customers. The pressure reducing station will allow for necessary increased flow rates into the 657 Pressure Zone to meet supply requirements.</p>							
COMMENTS:							
FUND DETAILS:							
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total		
Betterment ID 1	0 %	100 %	0 %	0 %	100 %		
TOTAL:	0 %	100 %	0 %	0 %	100 %		
EXPENDITURE SCHEDULE (X \$1,000):							
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2013	2014	2015	2016	2017	2018	Total
\$1,235	\$195	\$0	\$0	\$0	\$0	\$0	\$1,430

CIP Number: P2370

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2005	11/1/2010	\$3
DESIGN:	12/1/2010	7/1/2011	\$110
CONSTRUCTION:	8/1/2011	7/1/2012	\$1,317

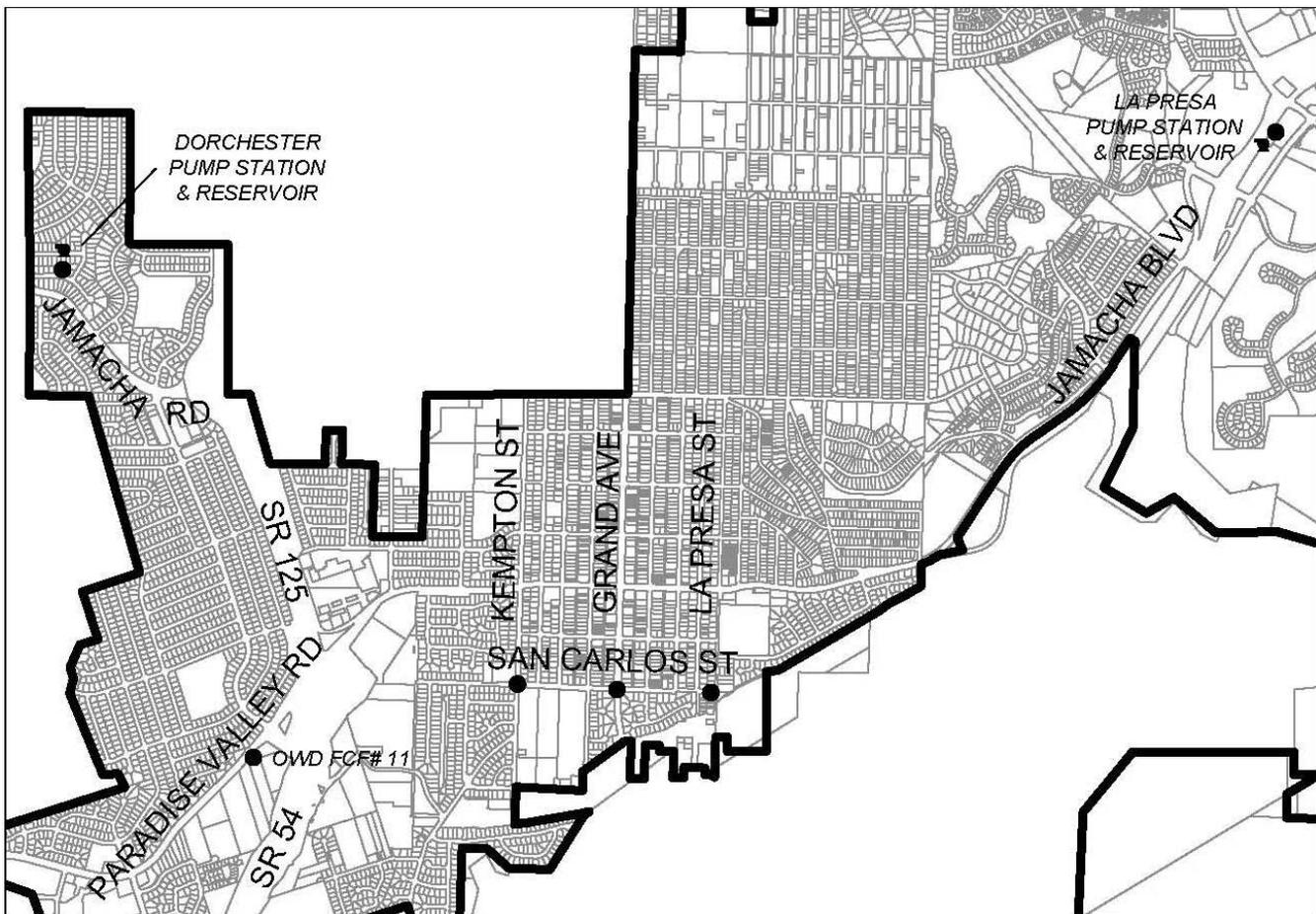
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	(\$1,900)	(\$2,000)	(\$2,100)	(\$2,200)	(\$2,300)	\$0	(\$10,500)
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1290

OWD Map Book: 301



Submitted By: Daniel Kay

Date: 10/19/2011

PROJECT TITLE: Rancho Del Rey Groundwater Well Development

CIP Number: P2434

PROJECT MANAGER: Jeff Marchioro

DIRECTOR DIVISION: 2

ORIGINAL APPROVED DATE: 5/21/2009

I.D. LOCATION: 22

RELATED CIP PROJECTS:

PRIORITY: 1

BUDGET AMOUNT: \$8,700,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

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

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Betterment ID 1	0 %	5 %	0 %	0 %	5 %
Betterment ID 2	0 %	2 %	0 %	0 %	2 %
Betterment ID 3	0 %	4 %	0 %	0 %	4 %
Betterment ID 5	0 %	1 %	0 %	0 %	1 %
Betterment ID 7	0 %	5 %	0 %	0 %	5 %
Betterment ID 9	0 %	2 %	0 %	0 %	2 %
Betterment ID 10	0 %	4 %	0 %	0 %	4 %
Betterment ID 20	0 %	7 %	0 %	0 %	7 %
Betterment ID 22	0 %	30 %	0 %	0 %	30 %
New Water Supply Fee Projects	0 %	0 %	0 %	40 %	40 %
TOTAL:	0 %	60 %	0 %	40 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
	\$3,600	\$500	\$3,100	\$1,500	\$0	\$0	\$8,700

CIP Number: P2434

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/1994	12/1/2010	\$2,600
DESIGN:	1/1/2011	7/1/2012	\$1,050
CONSTRUCTION:	8/1/2012	8/1/2015	\$5,050

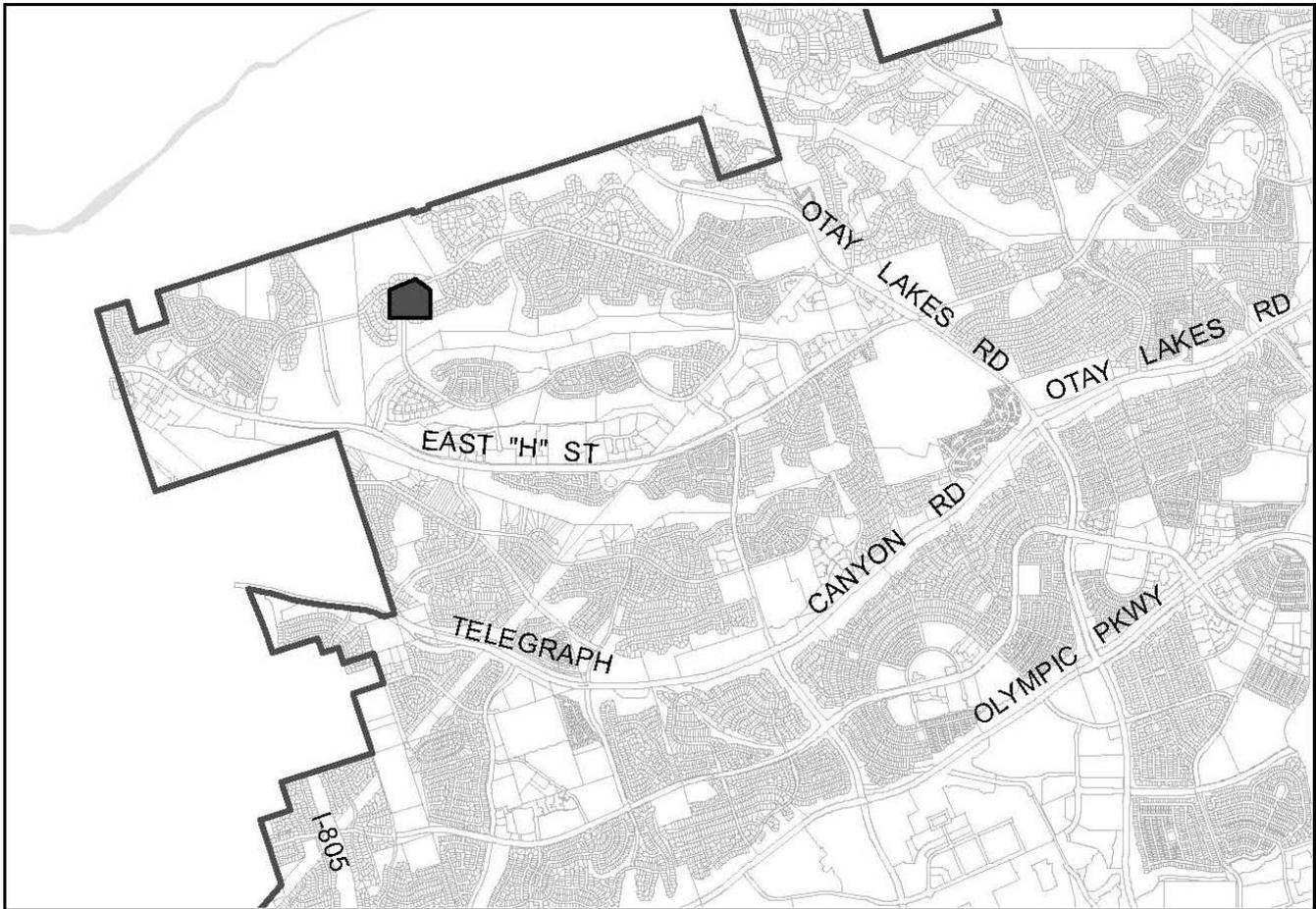
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$330,000	\$330,000	\$330,000	\$330,000	\$330,000	\$1,650,000
ENERGY:	\$0	\$260,000	\$260,000	\$260,000	\$260,000	\$260,000	\$1,300,000
CHEMICAL:	\$0	\$14,000	\$14,000	\$14,000	\$14,000	\$14,000	\$70,000

PROJECT LOCATION:

Thomas Bros. Map: 1310

OWD Map Book: 127



Submitted By: Jeff Marchioro

Date: 10/20/2011

PROJECT TITLE: Otay Mesa Desalination Conveyance and Disinfection System

CIP Number: P2451

PROJECT MANAGER:	Bob Kennedy	DIRECTOR DIVISION:	2
ORIGINAL APPROVED DATE:	5/23/2006	I.D. LOCATION:	7
RELATED CIP PROJECTS:	P2083	PRIORITY:	1
		BUDGET AMOUNT:	\$30,000,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Betterment ID 1	0 %	5 %	0 %	0 %	5 %
Betterment ID 2	0 %	2 %	0 %	0 %	2 %
Betterment ID 3	0 %	4 %	0 %	0 %	4 %
Betterment ID 5	0 %	1 %	0 %	0 %	1 %
Betterment ID 7	0 %	5 %	0 %	0 %	5 %
Betterment ID 9	0 %	2 %	0 %	0 %	2 %
Betterment ID 10	0 %	4 %	0 %	0 %	4 %
Betterment ID 20	0 %	7 %	0 %	0 %	7 %
Betterment ID 22	0 %	30 %	0 %	0 %	30 %
New Water Supply Fee Projects	0 %	0 %	0 %	40 %	40 %
TOTAL:	0 %	60 %	0 %	40 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
\$1,200	\$1,000	\$1,500	\$8,000	\$9,500	\$8,300	\$500	\$30,000

CIP Number: P2451

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2006	3/1/2013	\$1,200
DESIGN:	3/1/2013	9/1/2014	\$3,300
CONSTRUCTION:	10/1/2014	10/1/2016	\$25,500

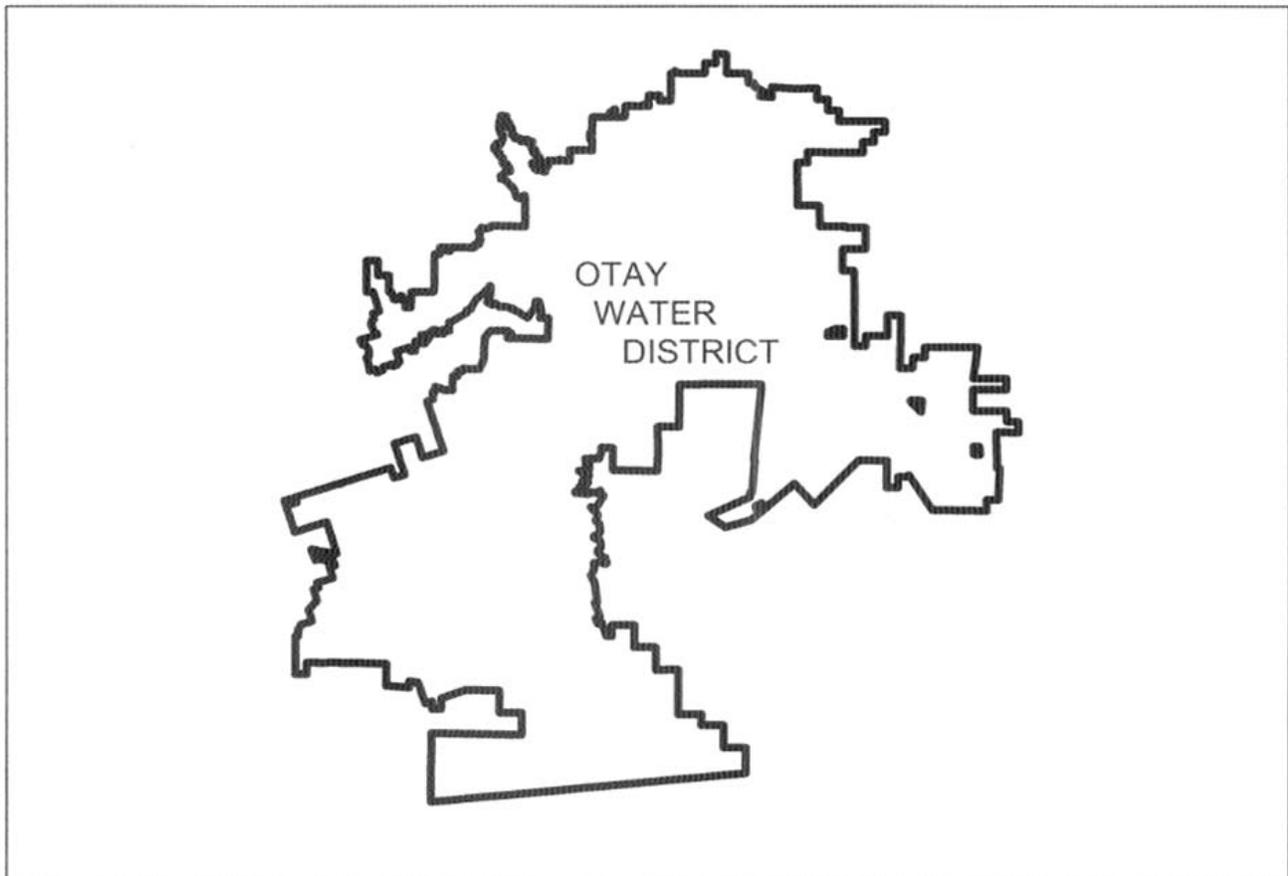
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$9,000	\$25,000	\$34,000
CHEMICAL:	\$0	\$0	\$0	\$0	\$1,000	\$3,500	\$4,500

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Bob Kennedy

Date: 10/20/2011

PROJECT TITLE: Regional Training Facility

CIP Number: P2466

PROJECT MANAGER: Lisa Coburn-Boyd

DIRECTOR DIVISION: 5

ORIGINAL APPROVED DATE: 5/29/2007

I.D. LOCATION: 20

RELATED CIP PROJECTS: P2504

PRIORITY: 1

BUDGET AMOUNT: \$300,000

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 Water District 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 DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Betterment ID 2	0 %	2 %	0 %	0 %	2 %
Betterment ID 3	0 %	4 %	0 %	0 %	4 %
Betterment ID 5	0 %	1 %	0 %	0 %	1 %
Betterment ID 7	0 %	5 %	0 %	0 %	5 %
Betterment ID 9	0 %	2 %	0 %	0 %	2 %
Betterment ID 10	0 %	4 %	0 %	0 %	4 %
Betterment ID 20	0 %	7 %	0 %	0 %	7 %
Betterment ID 22	0 %	30 %	0 %	0 %	30 %
Betterment ID 1	0 %	5 %	0 %	0 %	5 %
Expansion	40 %	0 %	0 %	0 %	40 %
TOTAL:	40 %	60 %	0 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
	\$272	\$14	\$14	\$0	\$0	\$0	\$300

CIP Number: P2466

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	8/1/2006	6/30/2013	\$300
DESIGN:			\$0
CONSTRUCTION:			\$0

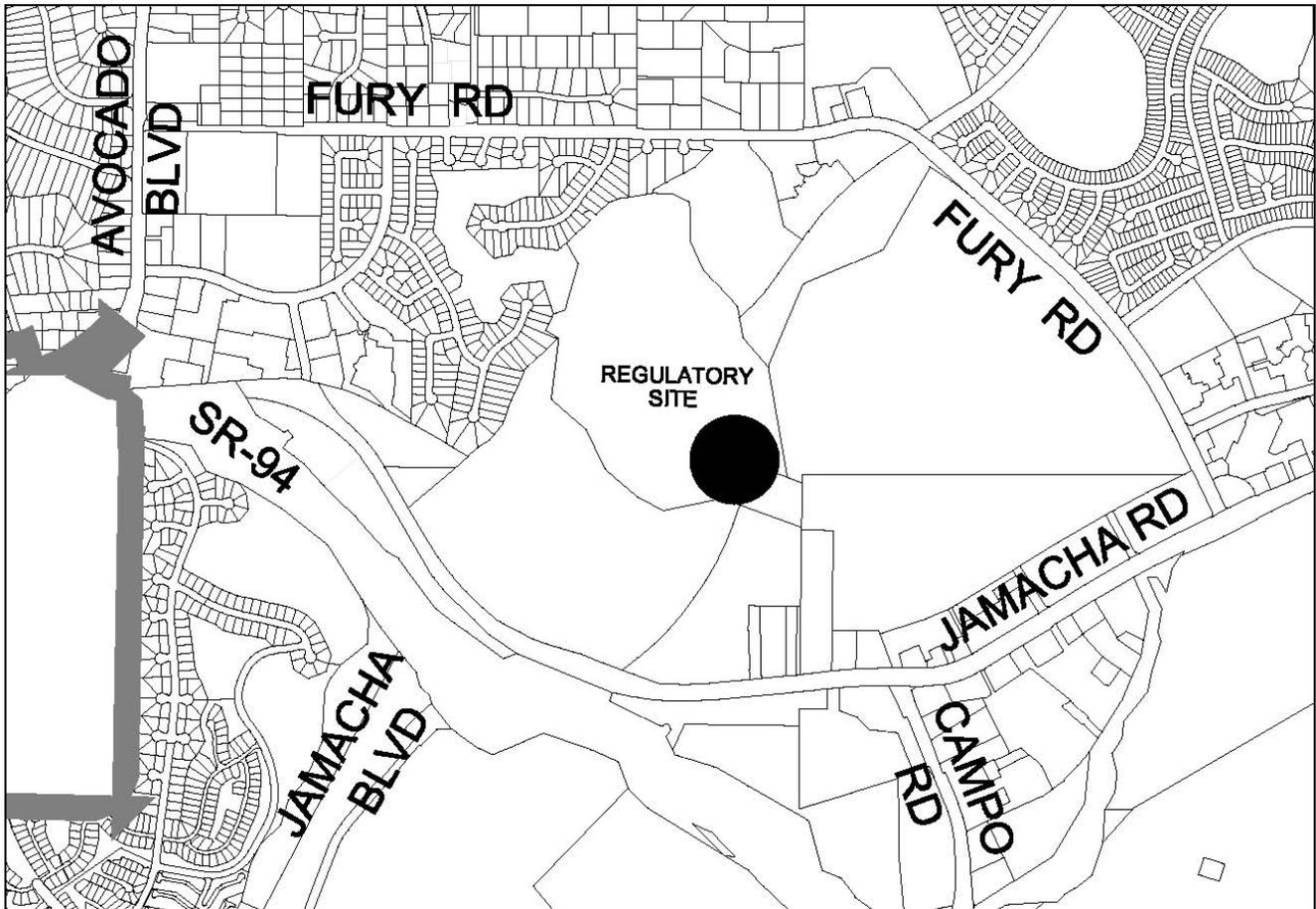
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1271

OWD Map Book: 343



Submitted By: Lisa Coburn-Boyd

Date: 10/20/2011

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE: Asset Management Plan Condition Assessment and Data Acquisition		CIP Number: P2486	
PROJECT MANAGER: Geoff Stevens		DIRECTOR DIVISION:	
ORIGINAL APPROVED DATE: 5/21/2009		I.D. LOCATION: District Wide	
RELATED CIP PROJECTS:		PRIORITY: 1	
		BUDGET AMOUNT: \$1,350,000	

DESCRIPTION OF PROJECT:
This project is for the development of an integrated Asset Management and replacement of GBA work order system with Azteca system.

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:
Work order and field systems implementation - 100K
Internal labor - 40K
Decision Support/Consulting/Implementation - 60K
*Reallocating funds not spent in FY12, not increasing overall budget.

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Replacement	0 %	0 %	100 %	0 %	100 %
TOTAL:	0 %	0 %	100 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY	
TOTAL	2013	2014	2015	2016	2017	2018	Total	
	\$861	\$200	\$50	\$60	\$60	\$60	\$59	\$1,350

CIP Number: P2486

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2009	6/1/2018	\$1,350
DESIGN:			\$0
CONSTRUCTION:			\$0

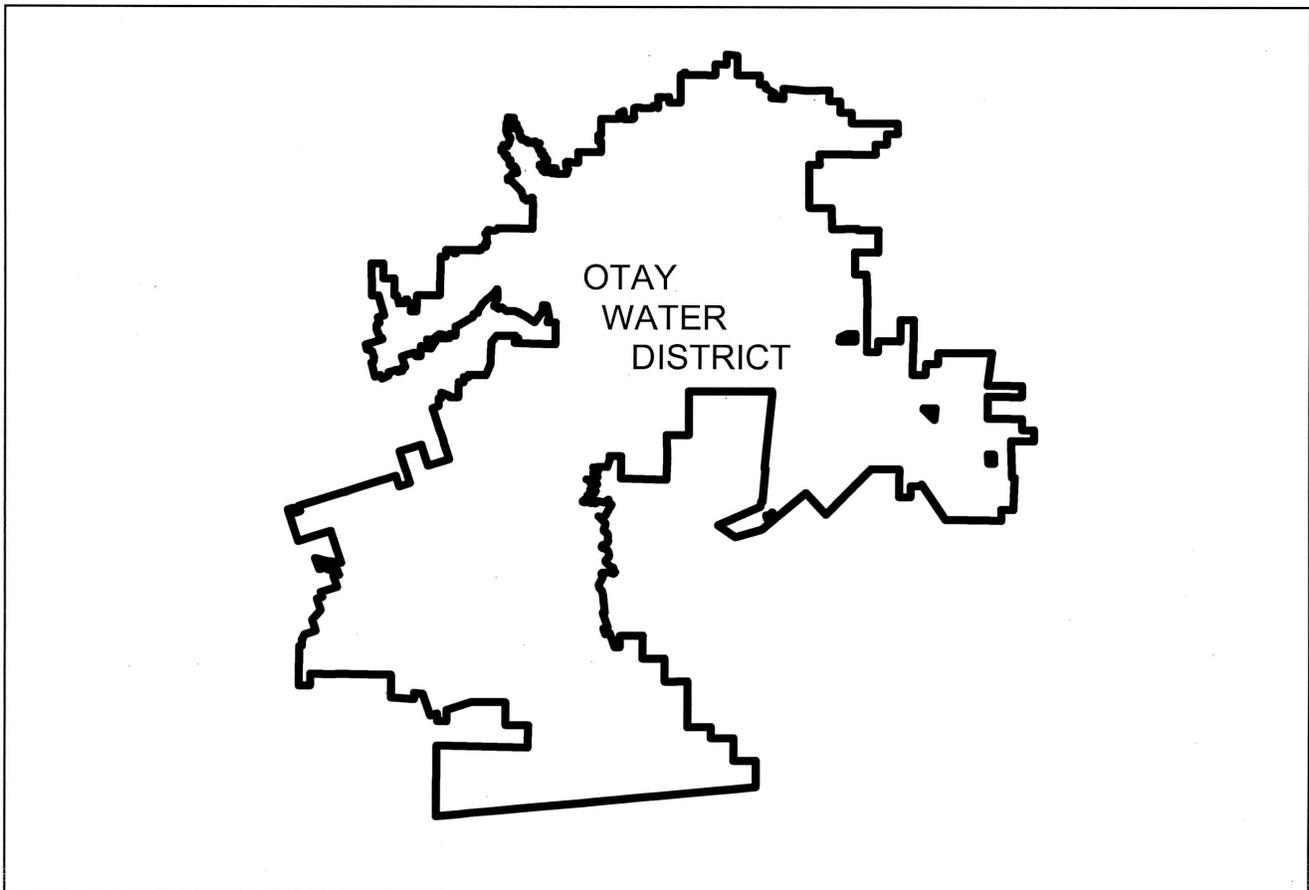
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Geoff Stevens

Date: 4/13/2011

PROJECT TITLE: 803-1 Pump Station Modifications		CIP Number: P2502					
PROJECT MANAGER: Jeff Marchioro		DIRECTOR DIVISION: 5		I.D. LOCATION: 20		PRIORITY: 1	
ORIGINAL APPROVED DATE: 5/17/2010		RELATED CIP PROJECTS: P2503		BUDGET AMOUNT: \$625,000			
DESCRIPTION OF PROJECT:							
<p>Modify the existing pumps within the pump station to allow for suction from the 640 Reservoirs. The concept is to install variable frequency drives and rebuild the existing pump motors to inverter duty.</p>							
JUSTIFICATION OF PROJECT:							
<p>The completion of the 640 reservoir project allows for a reduced static lift of 120 feet resulting in significant electrical energy savings.</p>							
COMMENTS:							
FUND DETAILS:							
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total		
Betterment ID 3	0 %	100 %	0 %	0 %	100 %		
TOTAL:	0 %	100 %	0 %	0 %	100 %		
EXPENDITURE SCHEDULE (X \$1,000):							
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2013	2014	2015	2016	2017	2018	Total
	\$575	\$50	\$0	\$0	\$0	\$0	\$625

CIP Number: P2502

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2010	9/1/2010	\$5
DESIGN:	10/1/2010	4/1/2011	\$45
CONSTRUCTION:	5/1/2011	12/1/2012	\$575

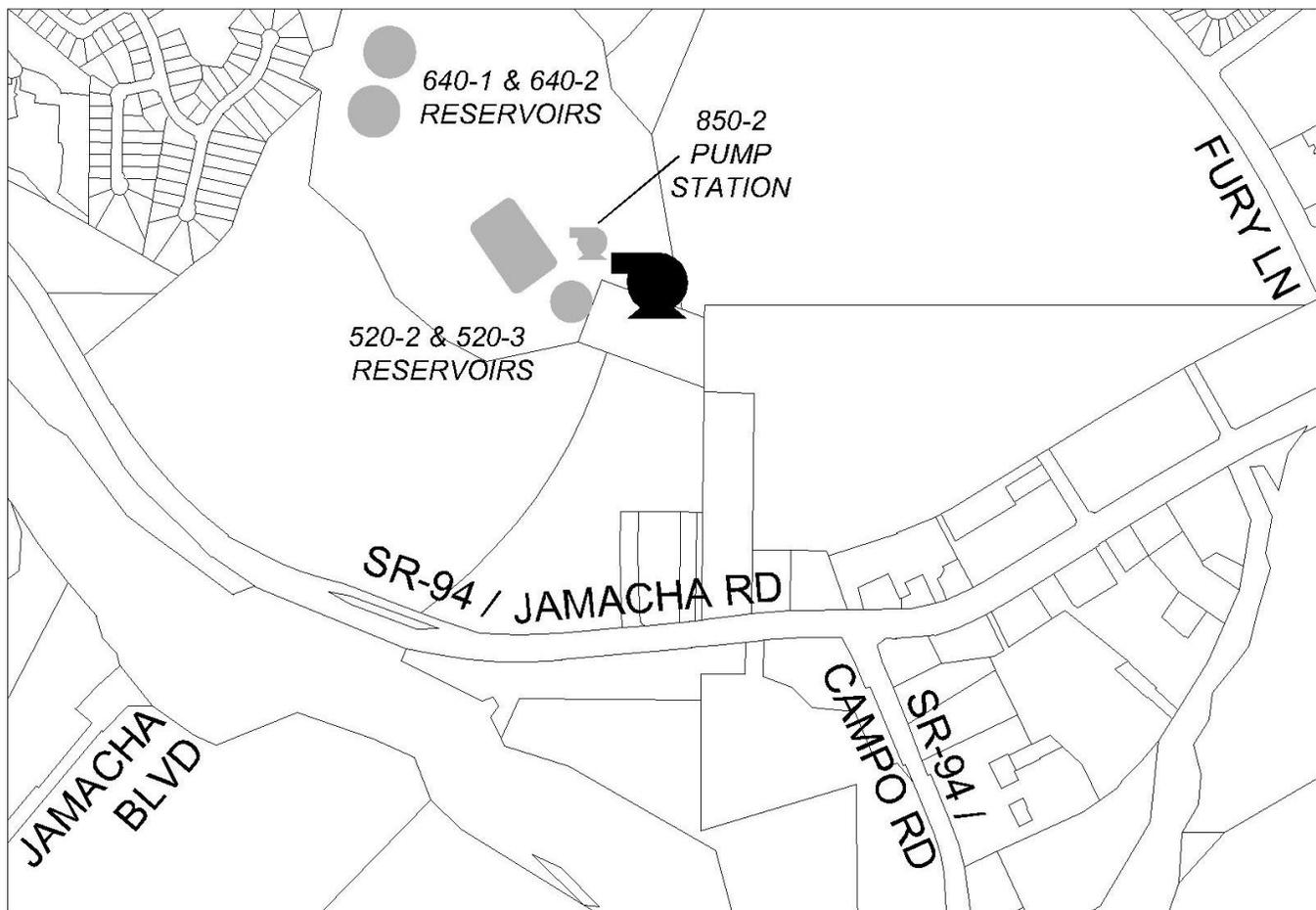
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	(\$40,950)	(\$81,900)	(\$84,400)	(\$86,900)	(\$89,500)	(\$383,650)
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1271

OWD Map Book: 343



Submitted By: Jeff Marchioro

Date: 10/24/2011

PROJECT TITLE: 850-2 Pump Station Modifications

CIP Number: P2503

PROJECT MANAGER: Jeff Marchioro

DIRECTOR DIVISION: 5

ORIGINAL APPROVED DATE: 5/17/2010

I.D. LOCATION: 20

RELATED CIP PROJECTS: P2502

PRIORITY: 1

BUDGET AMOUNT: \$525,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Betterment ID 20	0 %	100 %	0 %	0 %	100 %
TOTAL:	0 %	100 %	0 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
\$475	\$50	\$0	\$0	\$0	\$0	\$0	\$525

CIP Number: P2503

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2010	9/1/2010	\$5
DESIGN:	10/1/2010	4/1/2011	\$45
CONSTRUCTION:	5/1/2011	12/1/2012	\$475

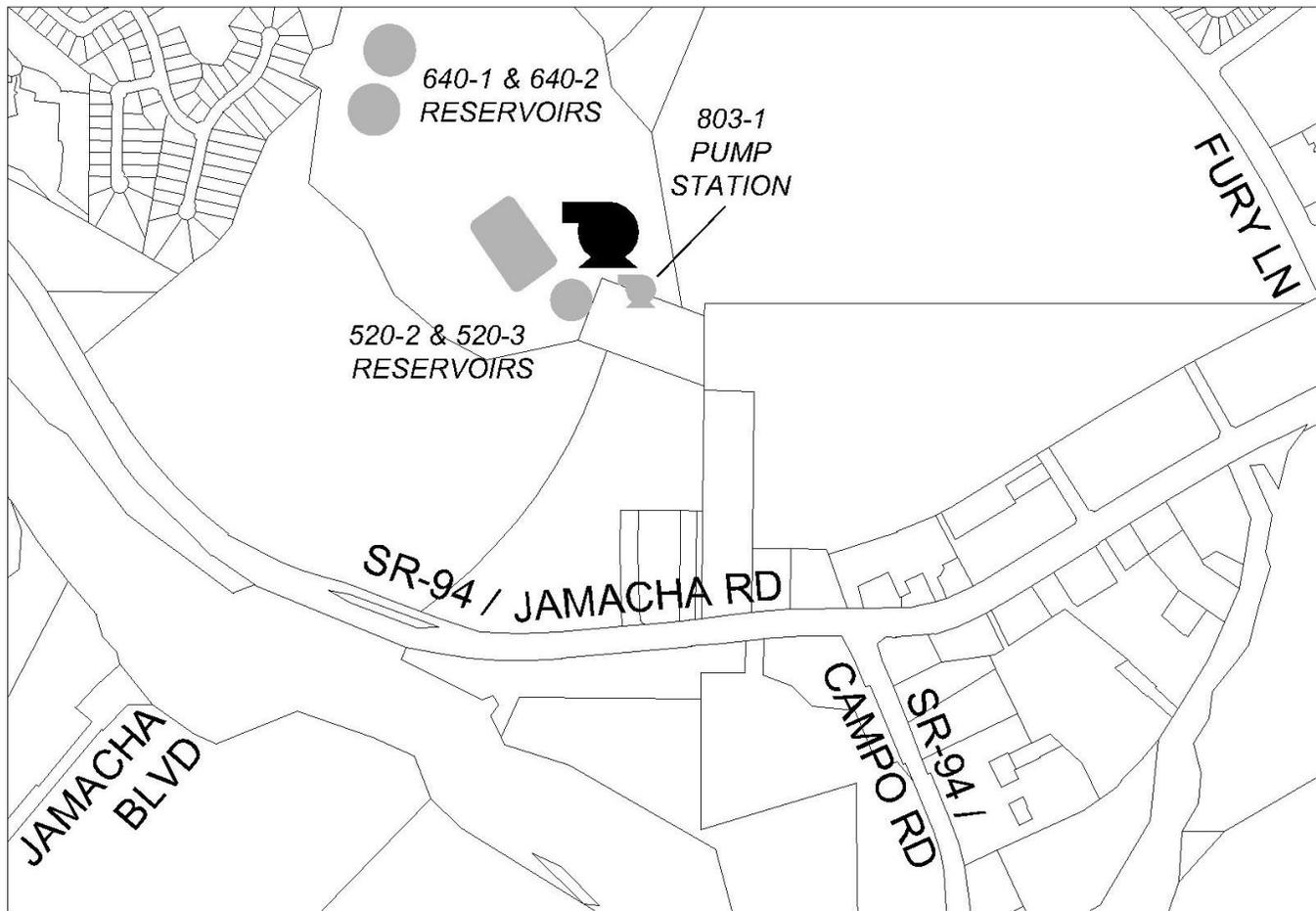
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	(\$25,200)	(\$50,400)	(\$51,900)	(\$53,500)	(\$55,100)	(\$236,100)
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1271

OWD Map Book: 343



Submitted By: Jeff Marchioro

Date: 10/24/2011

PROJECT TITLE: North District - South District Interconnection System

CIP Number: P2511

PROJECT MANAGER:	Jeff Marchioro	DIRECTOR DIVISION:	3
ORIGINAL APPROVED DATE:	5/17/2010	I.D. LOCATION:	1
RELATED CIP PROJECTS:	P2528	PRIORITY:	1
		BUDGET AMOUNT:	\$37,300,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

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

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Expansion	40 %	0 %	0 %	0 %	40 %
Betterment ID 1	0 %	5 %	0 %	0 %	5 %
Betterment ID 2	0 %	2 %	0 %	0 %	2 %
Betterment ID 3	0 %	4 %	0 %	0 %	4 %
Betterment ID 5	0 %	1 %	0 %	0 %	1 %
Betterment ID 7	0 %	5 %	0 %	0 %	5 %
Betterment ID 9	0 %	2 %	0 %	0 %	2 %
Betterment ID 10	0 %	4 %	0 %	0 %	4 %
Betterment ID 20	0 %	7 %	0 %	0 %	7 %
Betterment ID 22	0 %	30 %	0 %	0 %	30 %
TOTAL:	40 %	60 %	0 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
	\$1,550	\$1,000	\$0	\$0	\$0	\$0	\$3,550

CIP Number: P2511

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2010	12/31/2012	\$1,250
DESIGN:	4/1/2012	8/1/2015	\$2,200
CONSTRUCTION:	7/1/2018	7/1/2020	\$33,850

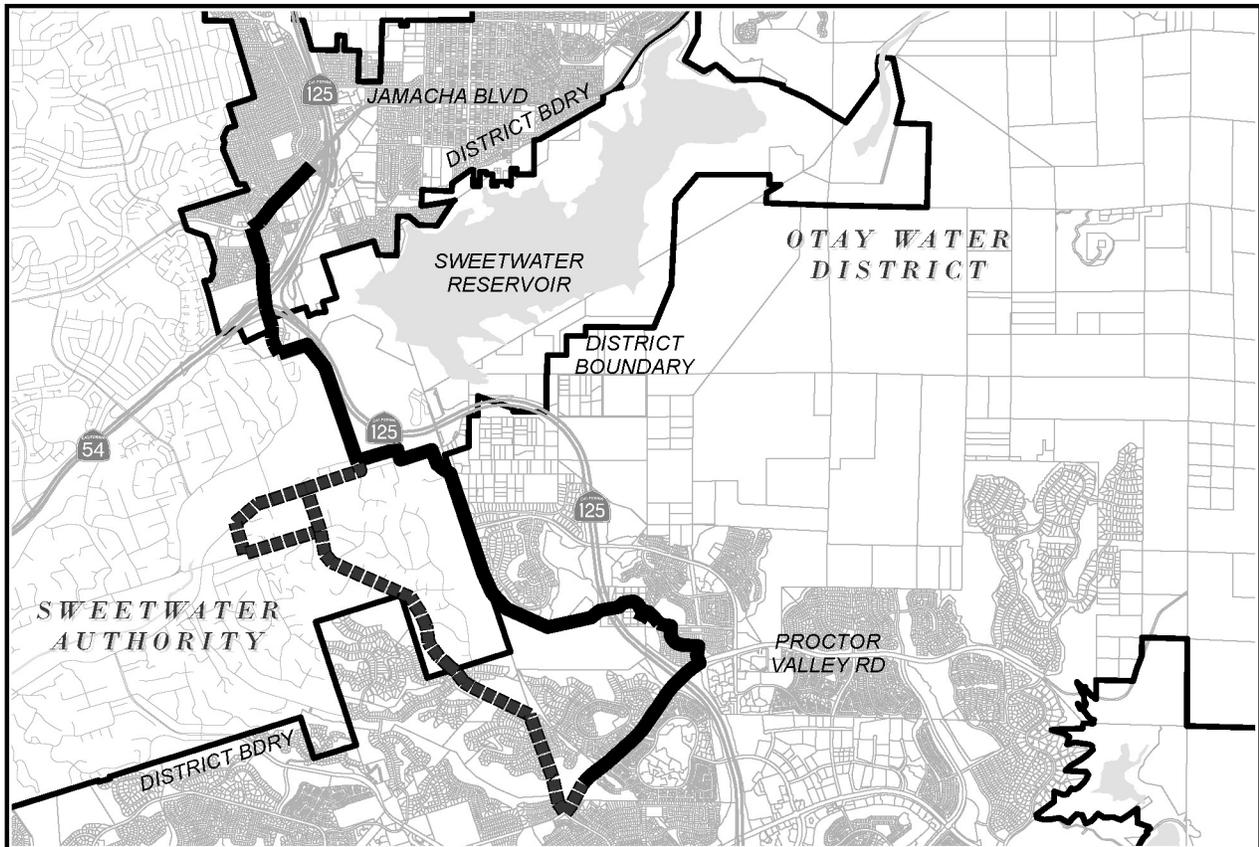
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1291

OWD Map Book: 184



Submitted By: Jeff Marchioro

Date: 10/24/2011

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

CIP Number: P2514

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

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Expansion	100 %	0 %	0 %	0 %	100 %
TOTAL:	100 %	0 %	0 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
\$400	\$1,150	\$0	\$0	\$0	\$0	\$0	\$1,550

CIP Number: P2514

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2011	12/1/2011	\$100
DESIGN:	1/1/2012	12/1/2012	\$200
CONSTRUCTION:	1/1/2013	9/1/2013	\$1,250

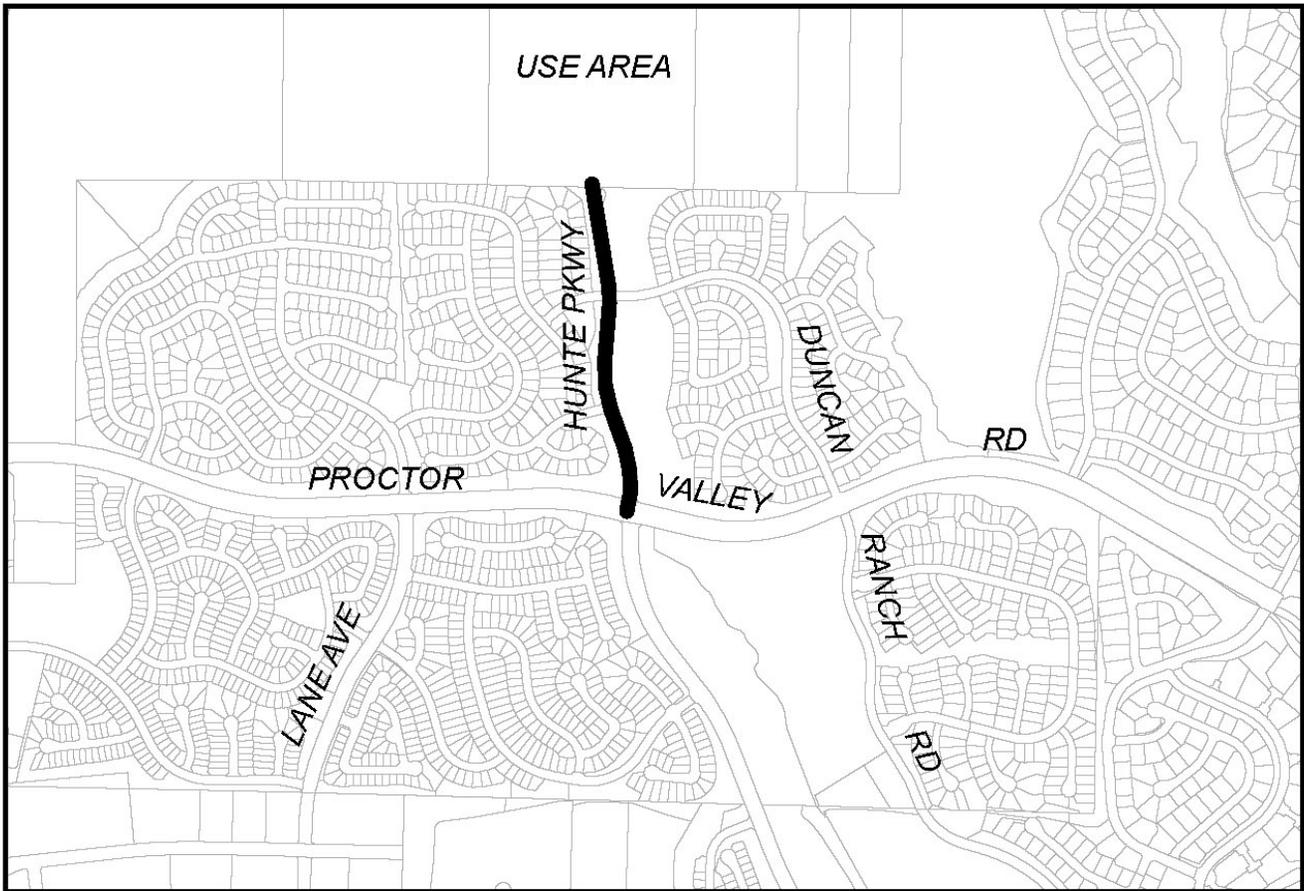
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$700	\$700	\$700	\$700	\$0	\$2,800
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1311

OWD Map Book: 159



Submitted By: Daniel Kay

Date: 10/24/2011

PROJECT TITLE: 1200-1 Pump Station Facility Cover

CIP Number: P2527

PROJECT MANAGER: Gary Stalker

DIRECTOR DIVISION: 5

ORIGINAL APPROVED DATE:

I.D. LOCATION: 03

RELATED CIP PROJECTS:

PRIORITY: 2

BUDGET AMOUNT: \$30,000

DESCRIPTION OF PROJECT:

Install a cover over the 1200-1 pump station.

JUSTIFICATION OF PROJECT:

The cover will protect the motor casings, electrical conduit, and rubber seals from deterioration at the 1200-1 pump station.

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Betterment ID 3	0 %	100 %	0 %	0 %	100 %
TOTAL:	0 %	100 %	0 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
	\$0	\$30	\$0	\$0	\$0	\$0	\$30

CIP Number: P2527

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2013	6/1/2014	\$30

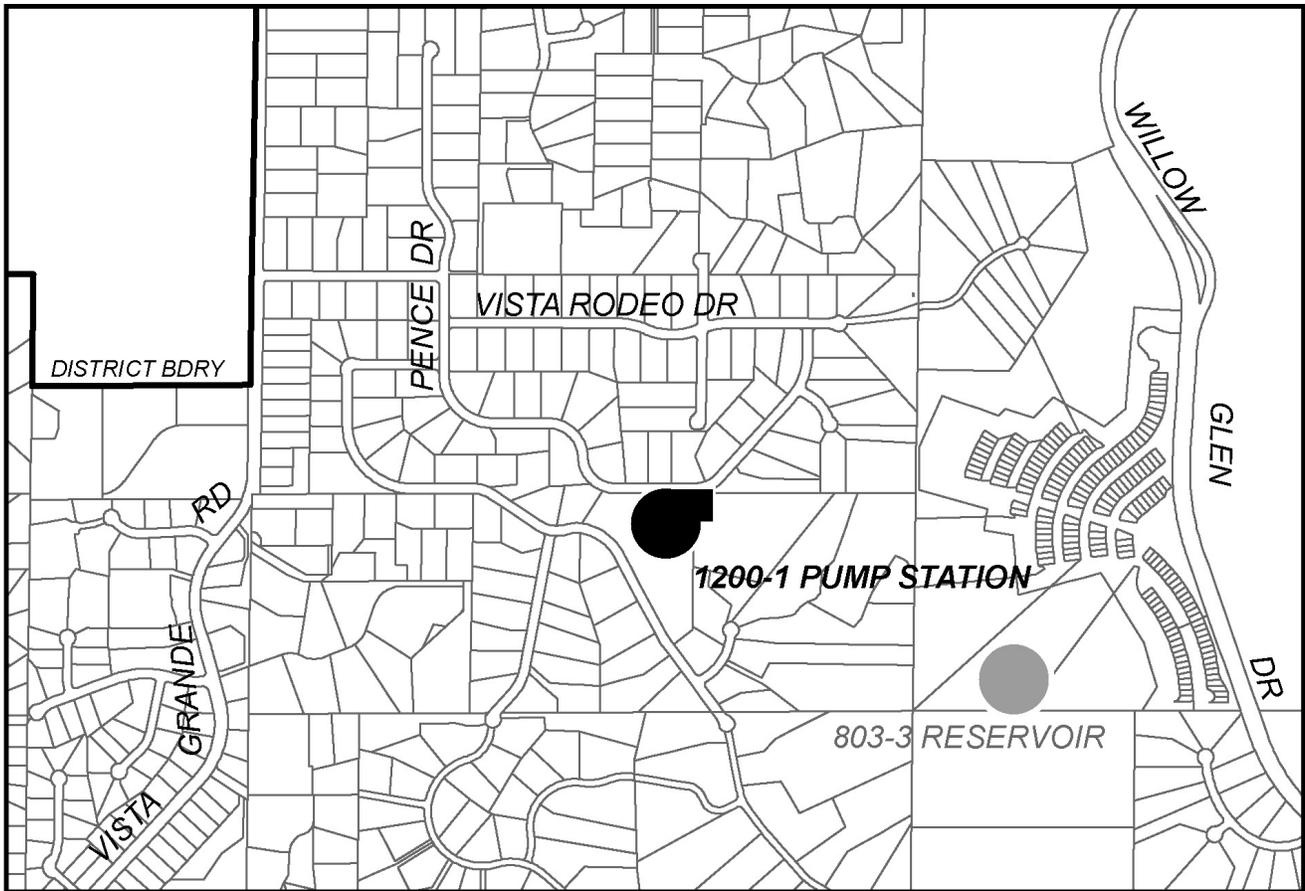
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1252 E7

OWD Map Book: 378



Submitted By: Gary Stalker

Date: 2/21/2012

PROJECT TITLE: 30-Inch Potable Water Pipeline Manifold at 624 Reservoirs

CIP Number: P2528

PROJECT MANAGER:	Jeff Marchioro	DIRECTOR DIVISION:	1
ORIGINAL APPROVED DATE:		I.D. LOCATION:	22/27
RELATED CIP PROJECTS:	P2511	PRIORITY:	1
		BUDGET AMOUNT:	\$7,000,000

DESCRIPTION OF PROJECT:

Construction of approximately 8,000 feet of 30-inch potable water pipeline with control valving between the 624-1 and 624-2 reservoirs.

JUSTIFICATION OF PROJECT:

This project is needed to fully utilize the Otay Interconnect Pipeline (also known as North District - South District Interconnection System, CIP Number P2511) Project to its planned 10,000 gpm capacity.

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Expansion	40 %	0 %	0 %	0 %	40 %
Betterment ID 1	0 %	5 %	0 %	0 %	5 %
Betterment ID 2	0 %	2 %	0 %	0 %	2 %
Betterment ID 3	0 %	4 %	0 %	0 %	4 %
Betterment ID 5	0 %	1 %	0 %	0 %	1 %
Betterment ID 7	0 %	5 %	0 %	0 %	5 %
Betterment ID 9	0 %	2 %	0 %	0 %	2 %
Betterment ID 10	0 %	4 %	0 %	0 %	4 %
Betterment ID 20	0 %	7 %	0 %	0 %	7 %
Betterment ID 22	0 %	30 %	0 %	0 %	30 %
TOTAL:	40 %	60 %	0 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
	\$0	\$300	\$1,000	\$0	\$0	\$0	\$1,300

CIP Number: P2528

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2013	7/1/2014	\$300
DESIGN:	7/1/2014	7/1/2015	\$1,000
CONSTRUCTION:	7/1/2018	7/1/2020	\$5,700

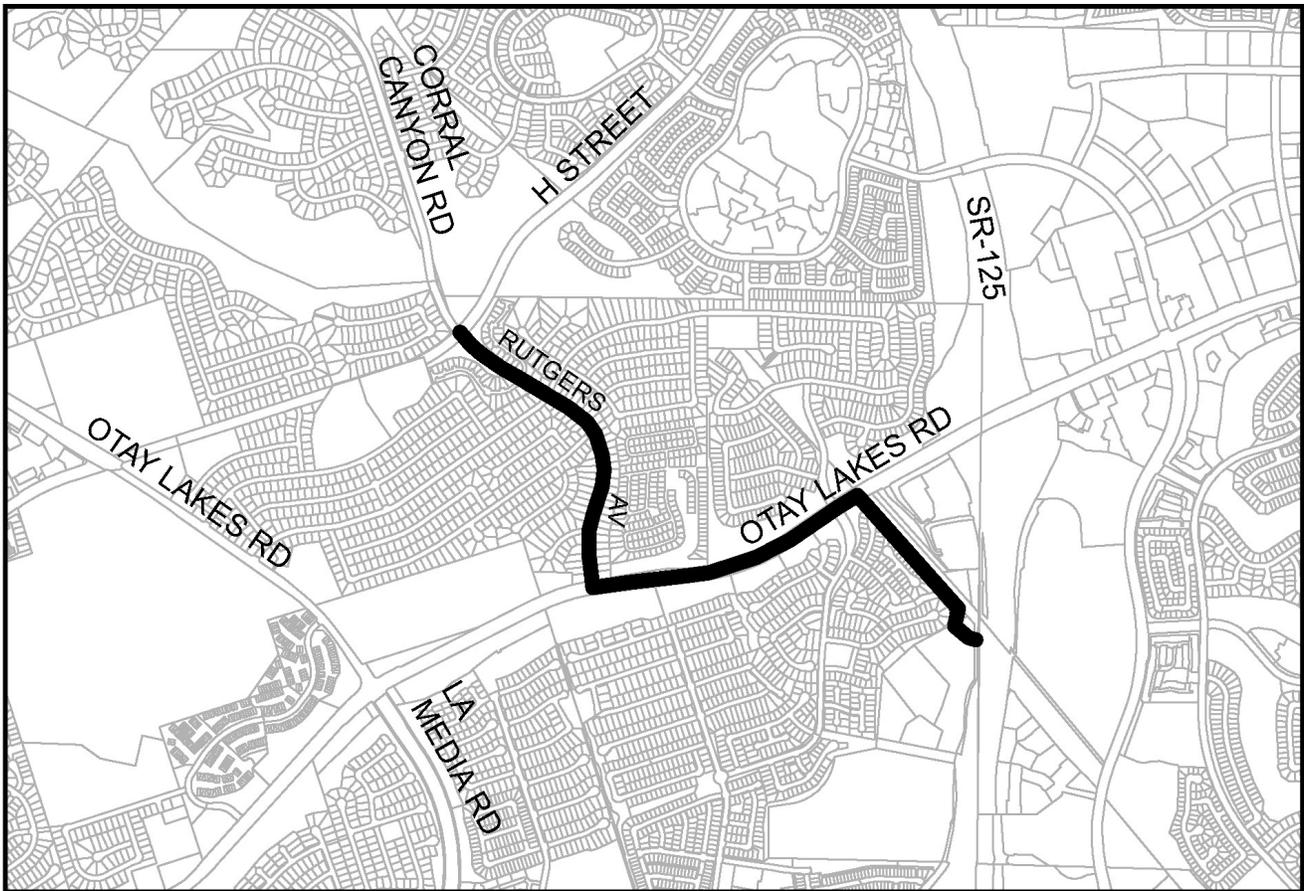
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1311

OWD Map Book: 130



Submitted By: Jeff Marchioro

Date: 2/3/2012

PROJECT TITLE: HMBP-Emergency Stand-By Generator Secondary Containment

CIP Number: P2536

DIRECTOR DIVISION:

PROJECT MANAGER: Rick Acuna

I.D. LOCATION: District Wide

ORIGINAL APPROVED DATE:

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$60,000

DESCRIPTION OF PROJECT:

The Otay Water District Hazardous Material Business Plan has identified the need for secondary containment at 10 sites with emergency stand-by generators.

JUSTIFICATION OF PROJECT:

Secondary containment will prevent spills from stand-by generator diesel fuel or engine coolant from running off District property by containing it inside a block enclosure where it can be safely cleaned up.

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Betterment ID 1	0 %	5 %	0 %	0 %	5 %
Betterment ID 2	0 %	2 %	0 %	0 %	2 %
Betterment ID 3	0 %	4 %	0 %	0 %	4 %
Betterment ID 7	0 %	5 %	0 %	0 %	5 %
Betterment ID 9	0 %	2 %	0 %	0 %	2 %
Betterment ID 10	0 %	4 %	0 %	0 %	4 %
Betterment ID 20	0 %	7 %	0 %	0 %	7 %
Betterment ID 22	0 %	30 %	0 %	0 %	30 %
Betterment ID 5	0 %	1 %	0 %	0 %	1 %
Expansion	40 %	0 %	0 %	0 %	40 %
TOTAL:	40 %	60 %	0 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
	\$0	\$60	\$0	\$0	\$0	\$0	\$60

CIP Number: P2536

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2012	6/1/2013	\$60

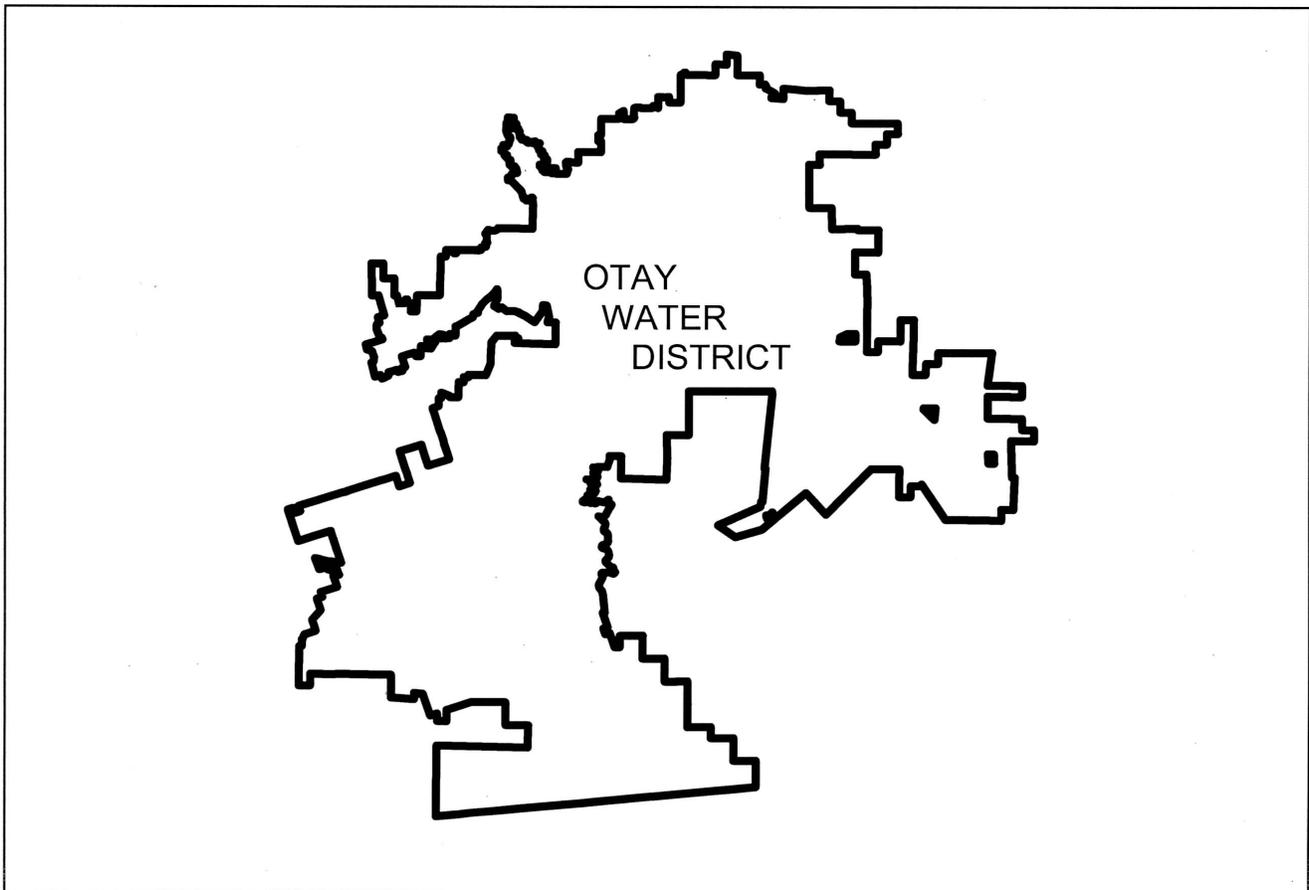
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Rick Acuna

Date: 2/17/2012

PROJECT TITLE: Operations Yard Property Acquisition Improvements

CIP Number: P2537

PROJECT MANAGER: Daniel Kay

DIRECTOR DIVISION: 4

ORIGINAL APPROVED DATE: 11/13/2008

I.D. LOCATION: 20

RELATED CIP PROJECTS: P2479

PRIORITY: 1

BUDGET AMOUNT: \$300,000

DESCRIPTION OF PROJECT:

The project will provide site improvements including fencing, grading, and paving for vehicle parking and equipment storage.

JUSTIFICATION OF PROJECT:

The site improvements are required to provide flexibility in operations and for future expansion purposes.

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Expansion	100 %	0 %	0 %	0 %	100 %
TOTAL:	100 %	0 %	0 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
	\$0	\$250	\$50	\$0	\$0	\$0	\$300

CIP Number: P2537

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	11/1/2008	10/1/2012	\$5
DESIGN:	11/1/2012	1/1/2013	\$20
CONSTRUCTION:	2/1/2013	3/1/2013	\$275

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1291

OWD Map Book: 318



Submitted By: Daniel Kay

Date: 12/14/2011

PROJECT TITLE: RecPL - Otay Mesa Distribution Pipelines and Conversions		CIP Number: R2048					
PROJECT MANAGER: Daniel Kay		DIRECTOR DIVISION: 2		I.D. LOCATION: 7			
ORIGINAL APPROVED DATE: 6/23/2008		PRIORITY: 1					
RELATED CIP PROJECTS: R2058, R2077, R2087		BUDGET AMOUNT: \$2,200,000					
DESCRIPTION OF PROJECT:							
Construction of various distribution pipeline links and conversion of existing pipelines for recycled water use within the 860 Pressure Zone of the Otay Mesa System.							
JUSTIFICATION OF PROJECT:							
This project will connect the existing distribution recycled water pipelines, currently supplied with potable water, to the planned construction of pipeline links to supply all those existing water demands within the Otay Mesa System with recycled water.							
COMMENTS:							
Funding opportunity is the United States Bureau of Reclamation Water Reclamation and Reuse Program, Title XVI of P.L. 102-575.							
FUND DETAILS:							
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total		
Expansion	100 %	0 %	0 %	0 %	100 %		
TOTAL:	100 %	0 %	0 %	0 %	100 %		
EXPENDITURE SCHEDULE (X \$1,000):							
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2013	2014	2015	2016	2017	2018	Total
\$380	\$15	\$1	\$1	\$1	\$50	\$1,752	\$2,200

CIP Number: R2048

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2008	12/1/2008	\$80
DESIGN:	1/1/2009	6/1/2011	\$220
CONSTRUCTION:	7/1/2015	6/30/2018	\$1,900

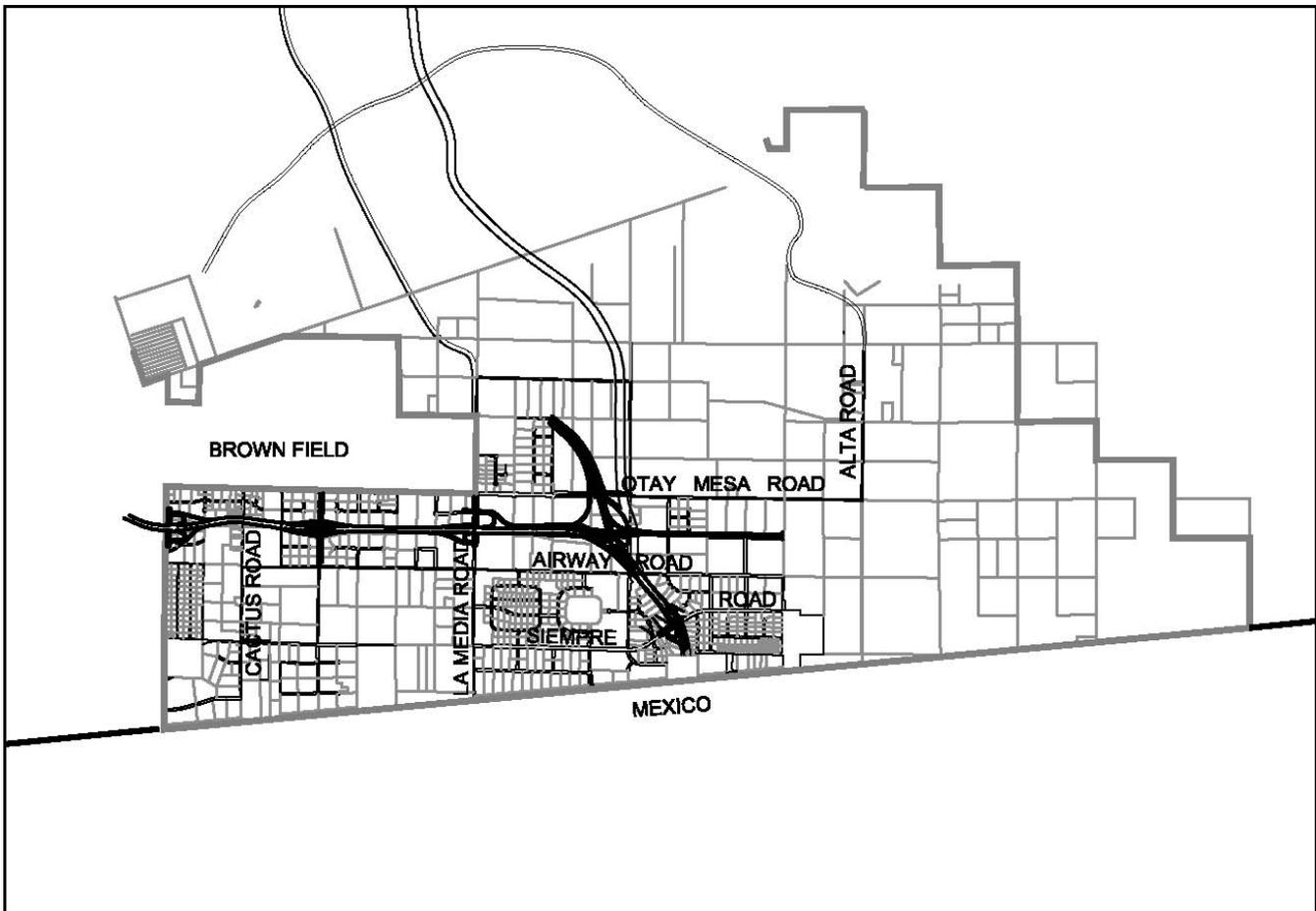
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1351

OWD Map Book: 12



Submitted By: Daniel Kay

Date: 10/25/2011

PROJECT TITLE: RecPL - 16-Inch, 860 Zone, Airway Road - Otay Mesa/Alta		CIP Number: R2058					
PROJECT MANAGER: Daniel Kay		DIRECTOR DIVISION:	2				
ORIGINAL APPROVED DATE: 6/16/1999		I.D. LOCATION:	7				
RELATED CIP PROJECTS: R2048, R2077, R2087		PRIORITY:	1				
		BUDGET AMOUNT:	\$3,500,000				
DESCRIPTION OF PROJECT:							
Construction of approximately 10,700 feet of 16-inch pipeline within the 860 Pressure Zone in Airway Road from Otay Mesa Road to Alta Road. Portions of this project will be constructed by developers and these are subject to reimbursement at actual cost per Board policy.							
JUSTIFICATION OF PROJECT:							
This project will provide transmission capacity for development of Otay Mesa within the 860 Pressure Zone.							
COMMENTS:							
Funding opportunity is the United States Bureau of Reclamation Water Reclamation and Reuse Program, Title XVI of P.L. 102-575.							
FUND DETAILS:							
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total		
Expansion	100 %	0 %	0 %	0 %	100 %		
TOTAL:	100 %	0 %	0 %	0 %	100 %		
EXPENDITURE SCHEDULE (X \$1,000):							
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2013	2014	2015	2016	2017	2018	Total
\$1,350	\$5	\$1	\$1	\$1	\$1	\$2,141	\$3,500

CIP Number: R2058

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2001	12/1/2009	\$120
DESIGN:	1/1/2010	6/1/2011	\$330
CONSTRUCTION:	7/1/2011	6/1/2017	\$3,050

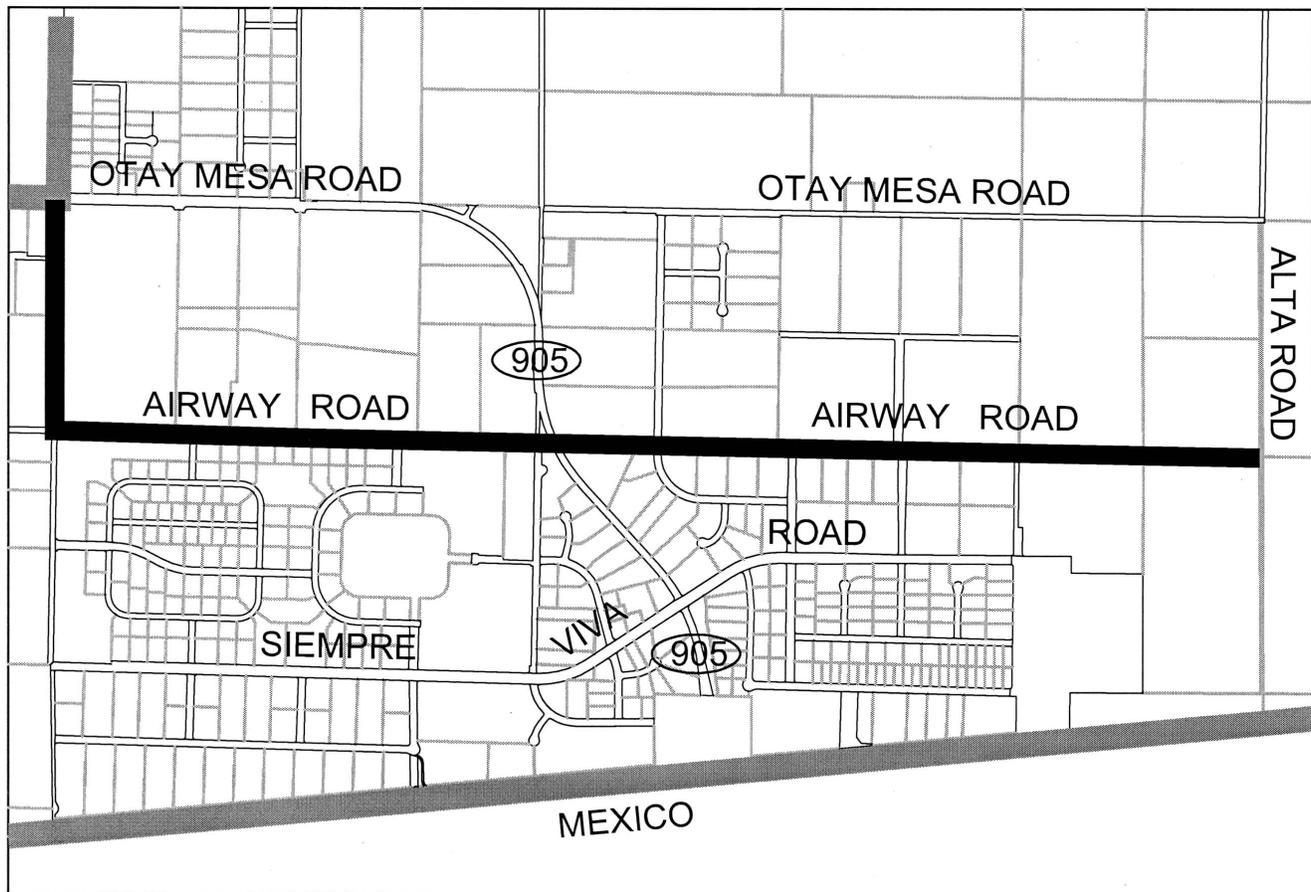
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1351

OWD Map Book: 12



Submitted By: Daniel Kay

Date: 10/25/2011

PROJECT TITLE: RecPL - 24-Inch, 860 Zone, Alta Road - Alta Gate/Airway		CIP Number: R2077					
PROJECT MANAGER: Daniel Kay		DIRECTOR DIVISION:	2				
ORIGINAL APPROVED DATE: 5/23/2006		I.D. LOCATION:	7				
RELATED CIP PROJECTS: R2048, R2058, R2087		PRIORITY:	1				
		BUDGET AMOUNT:	\$4,500,000				
DESCRIPTION OF PROJECT:							
Construction of approximately 9,300 feet 24-inch pipeline within the 860 Pressure Zone in Alta Road from the Alta Gate location to Airway Road. This project will be constructed as part of the Otay Mesa recycled water system.							
JUSTIFICATION OF PROJECT:							
This project will provide transmission capacity for development of Otay Mesa and link the planned 860-1 Reservoir with the recycled water transmission system in Otay Mesa.							
COMMENTS:							
Funding opportunity is the United States Bureau of Reclamation Water Reclamation and Reuse Program, Title XVI of P.L. 102-575.							
FUND DETAILS:							
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total		
Expansion	100 %	0 %	0 %	0 %	100 %		
TOTAL:	100 %	0 %	0 %	0 %	100 %		
EXPENDITURE SCHEDULE (X \$1,000):							
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2013	2014	2015	2016	2017	2018	Total
\$2,376	\$950	\$950	\$224	\$0	\$0	\$0	\$4,500

CIP Number: R2077

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2001	12/1/2009	\$164
DESIGN:	1/1/2010	6/1/2011	\$451
CONSTRUCTION:	7/1/2011	6/1/2015	\$3,885

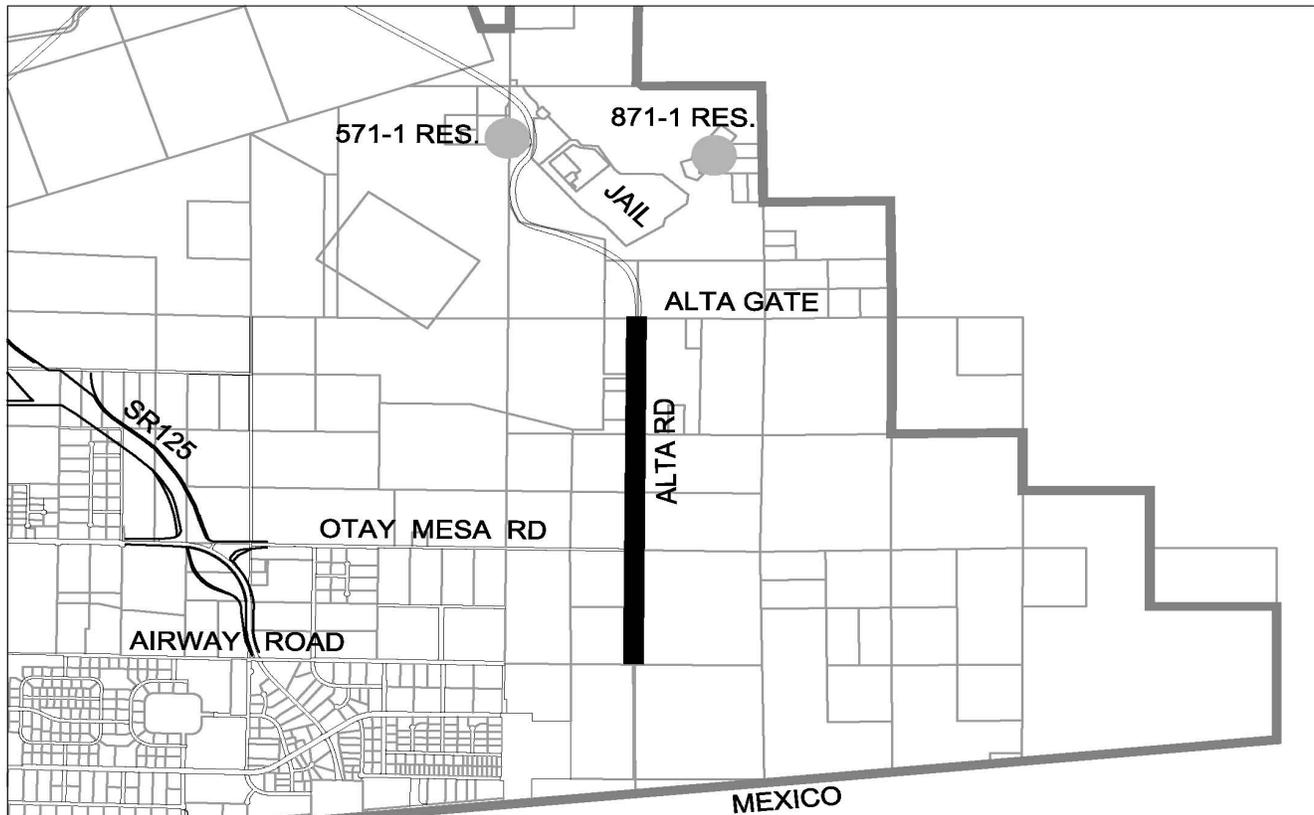
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1332

OWD Map Book: 39



Submitted By: Daniel Kay

Date: 10/25/2011

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

CIP Number: R2087

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

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

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

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Expansion	100 %	0 %	0 %	0 %	100 %
TOTAL:	100 %	0 %	0 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
\$1,000	\$5	\$5	\$5	\$5	\$5	\$5,975	\$7,000

CIP Number: R2087

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	9/1/2006	12/1/2009	\$180
DESIGN:	1/1/2010	6/1/2011	\$765
CONSTRUCTION:	7/1/2016	6/1/2017	\$6,055

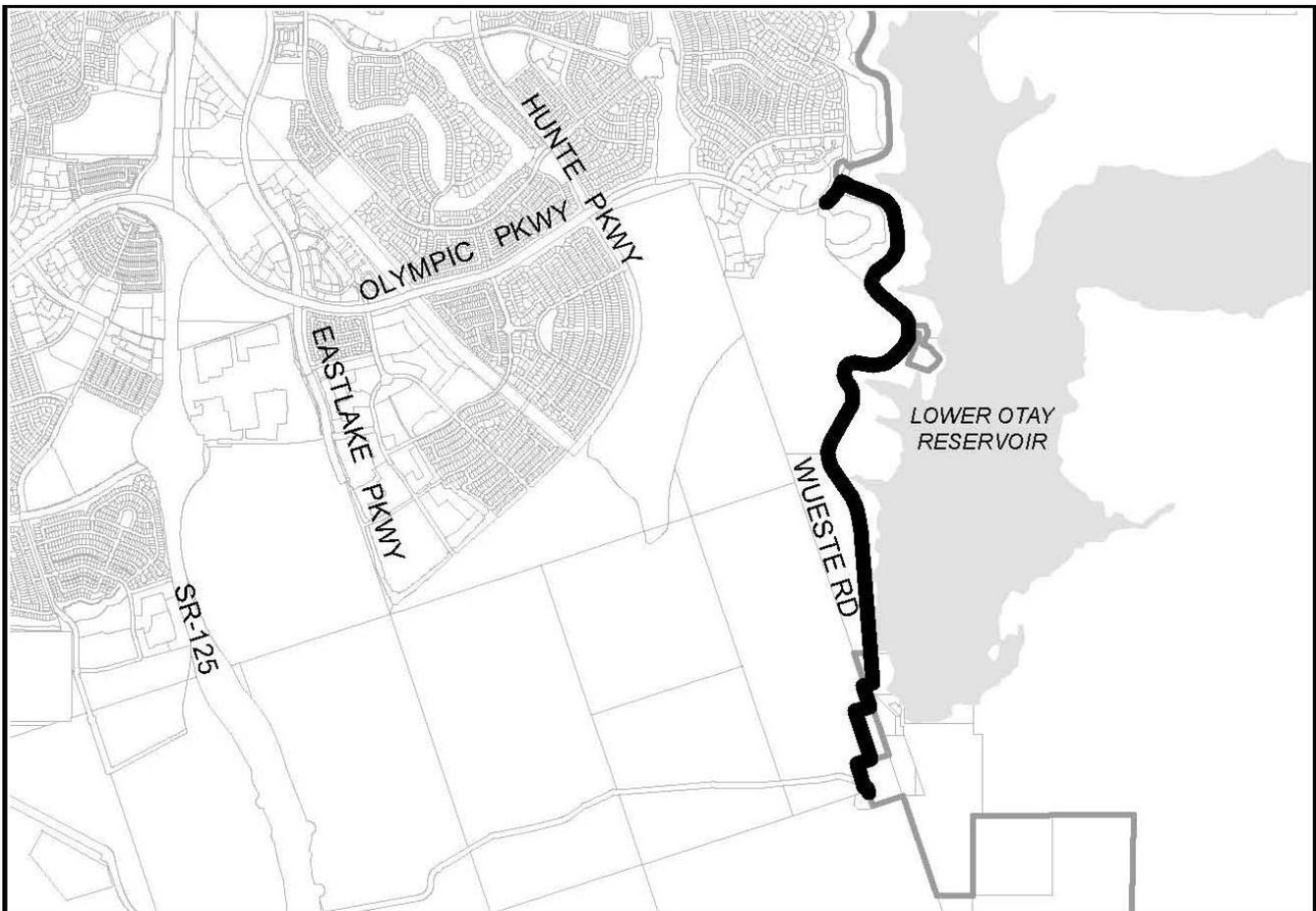
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1312

OWD Map Book: 85



Submitted By: Kevin Cameron

Date: 10/26/2011

PROJECT TITLE: RecPS - 927-1 Pump Station Upgrade (10,000 GPM) and System Enhancements		CIP Number: R2091					
PROJECT MANAGER: Daniel Kay		DIRECTOR DIVISION: 1		I.D. LOCATION: 22			
ORIGINAL APPROVED DATE: 5/29/2007		PRIORITY: 1					
RELATED CIP PROJECTS:		BUDGET AMOUNT: \$1,880,000					
DESCRIPTION OF PROJECT:							
<p>This project consists of increasing the capacity of the existing station from 6,600 gallons per minute (gpm) to 10,000 gpm, installing three pressure reducing stations in the 927 Pressure Zone, replacing service saddles in a few streets, replacing 1,800 feet of 16-inch pipeline in EastLake Parkway, and replacing 1,200 of 16-inch pipeline in Hunte Parkway.</p>							
JUSTIFICATION OF PROJECT:							
<p>The overall operating conditions of the pump station have been modified as a result of the planned service to the Otay Mesa System recycled water system from the Central Area System. As a result the existing pumps within the station are undersized and some of the existing recycled water system pipelines will experience operating pressures above their rated pipeline pressure class. The project is planned to be accomplished in two phases.</p>							
COMMENTS:							
FUND DETAILS:							
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total		
Expansion	100 %	0 %	0 %	0 %	100 %		
TOTAL:	100 %	0 %	0 %	0 %	100 %		
EXPENDITURE SCHEDULE (X \$1,000):							
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2013	2014	2015	2016	2017	2018	Total
\$1,815	\$65	\$0	\$0	\$0	\$0	\$0	\$1,880

CIP Number: R2091

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2007	4/1/2008	\$60
DESIGN:	5/1/2008	1/1/2011	\$120
CONSTRUCTION:	6/1/2011	6/30/2012	\$1,700

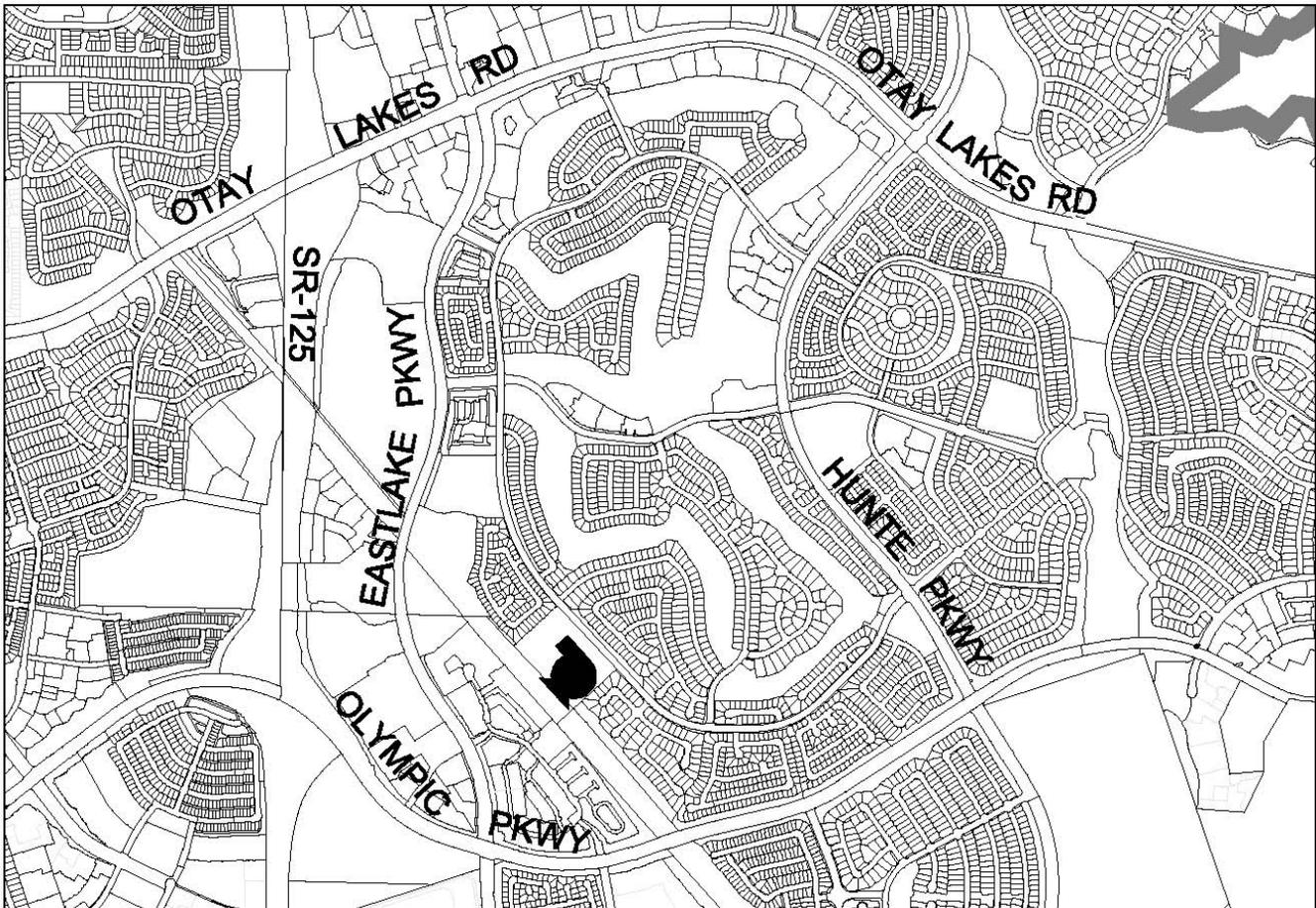
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1311

OWD Map Book: 115



Submitted By: Daniel Kay

Date: 10/26/2011

PROJECT TITLE: RWCWRF Screening Compactor and Chlorine Injectors Enclosure		CIP Number: R2107					
PROJECT MANAGER:	Gary Stalker	DIRECTOR DIVISION:	3				
ORIGINAL APPROVED DATE:		I.D. LOCATION:	20				
RELATED CIP PROJECTS:		PRIORITY:	2				
		BUDGET AMOUNT:	\$115,000				
DESCRIPTION OF PROJECT:							
Install screening compactor at the RWCWRF headwork and a 3-sided enclosure around the chlorine injectors at the reclamation plant chlorine contact basin.							
JUSTIFICATION OF PROJECT:							
The screening compactor will remove waste material at the headwork to the RWCWRF and compact the material for disposal to a landfill. This will result in reducing the amount of solids discharged back to Metro.							
The PVC chlorine injectors at the chlorine contact basin at the reclamation plant need to be protected from sunlight.							
COMMENTS:							
FUND DETAILS:							
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total		
Replacement	0 %	0 %	100 %	0 %	100 %		
TOTAL:	0 %	0 %	100 %	0 %	100 %		
EXPENDITURE SCHEDULE (X \$1,000):							
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2013	2014	2015	2016	2017	2018	Total
\$0	\$115	\$0	\$0	\$0	\$0	\$0	\$115

CIP Number: R2107

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2012	6/1/2013	\$115

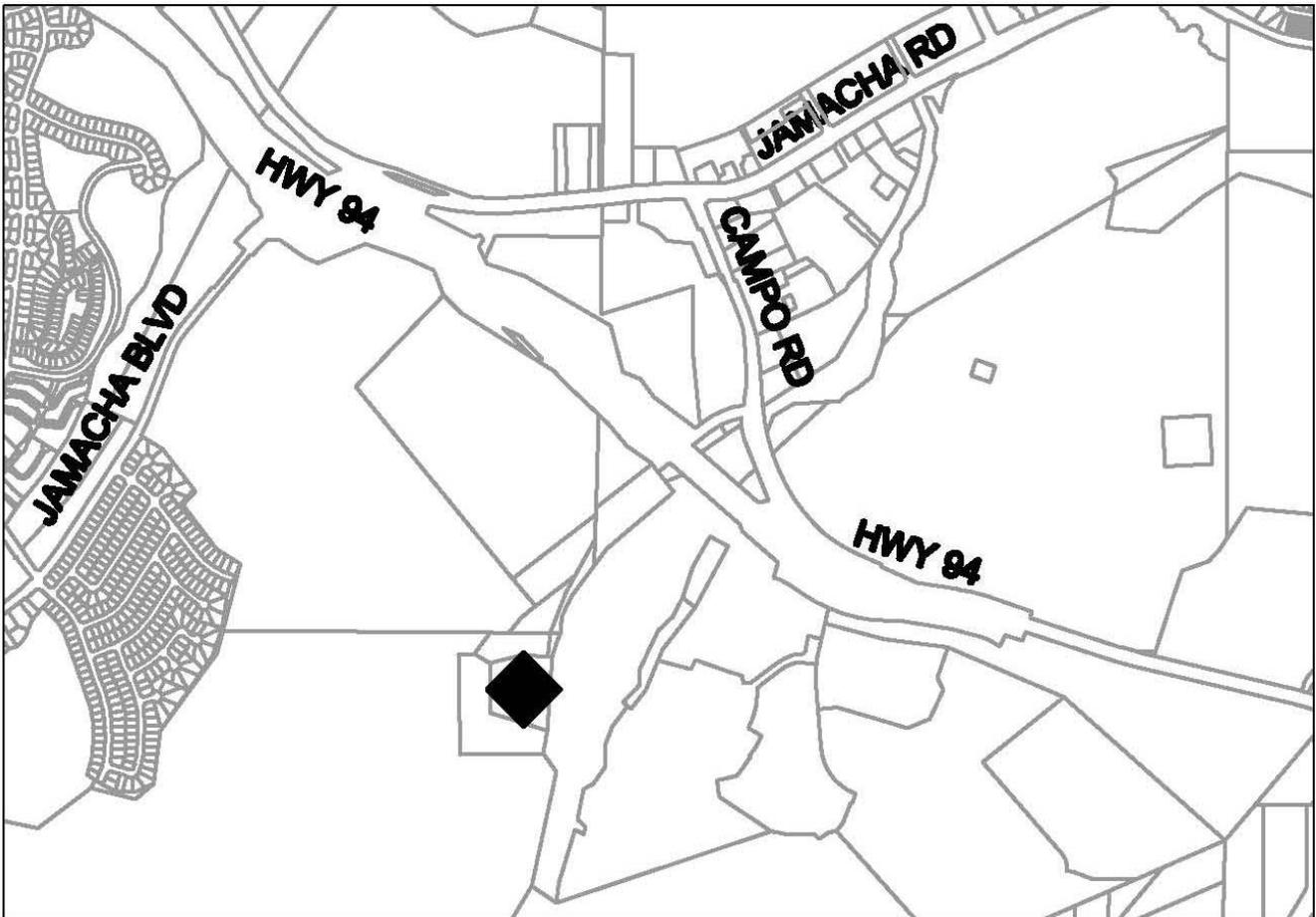
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1271

OWD Map Book: 319



Submitted By: Gary Stalker

Date: 2/24/2012

PROJECT TITLE: Hidden Mountain Lift Station Enclosure		CIP Number: S2039					
PROJECT MANAGER: Gary Stalker		DIRECTOR DIVISION:	5				
ORIGINAL APPROVED DATE:		I.D. LOCATION:	18				
RELATED CIP PROJECTS:		PRIORITY:	2				
		BUDGET AMOUNT:	\$29,000				
DESCRIPTION OF PROJECT:							
Install a larger enclosure around the Hidden Mountain lift station.							
JUSTIFICATION OF PROJECT:							
The Hidden Mountain lift station enclosure is too small to provide staff access for the preventative and corrective maintenance of the station. The three way valve at this lift station cannot be accessed for exercising and maintenance.							
COMMENTS:							
FUND DETAILS:							
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total		
Betterment ID 18	0 %	100 %	0 %	0 %	100 %		
TOTAL:	0 %	100 %	0 %	0 %	100 %		
EXPENDITURE SCHEDULE (X \$1,000):							
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2013	2014	2015	2016	2017	2018	Total
	\$0	\$29	\$0	\$0	\$0	\$0	\$29

CIP Number: S2039

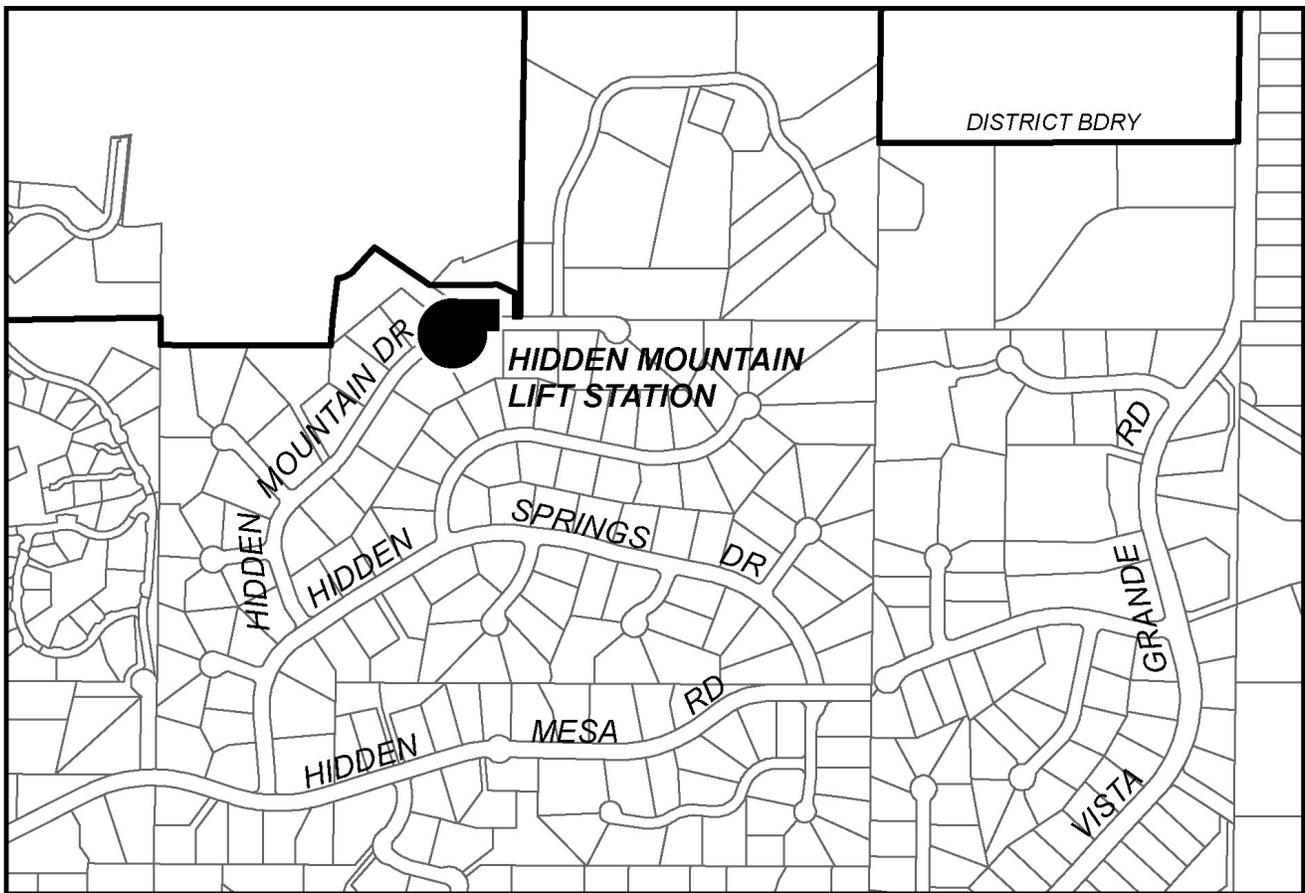
PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2012	6/1/2013	\$29

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION: Thomas Bros. Map: 1272 C1 OWD Map Book: 377



Submitted By: Gary Stalker

Date: 2/24/2012

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE: APCD Engine Replacements and Retrofits		CIP Number: P2366	
		DIRECTOR DIVISION:	
PROJECT MANAGER:	Doug Rahders	I.D. LOCATION:	District Wide
ORIGINAL APPROVED DATE:	12/6/2000	PRIORITY:	1
RELATED CIP PROJECTS:		BUDGET AMOUNT:	\$3,488,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

The Otay Water District 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 Water District also needs to replace, repower, and/or retrofit the heavy vehicle diesel fleet to meet future emissions requirements.

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Replacement	0 %	0 %	100 %	0 %	100 %
TOTAL:	0 %	0 %	100 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2013	2014	2015	2016	2017	2018	Total
	\$2,404	\$120	\$265	\$200	\$175	\$162	\$3,488

CIP Number: P2366

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	12/1/2000	6/1/2001	\$113
DESIGN:	7/1/2001	6/1/2010	\$312
CONSTRUCTION:	7/1/2010	6/1/2018	\$3,063

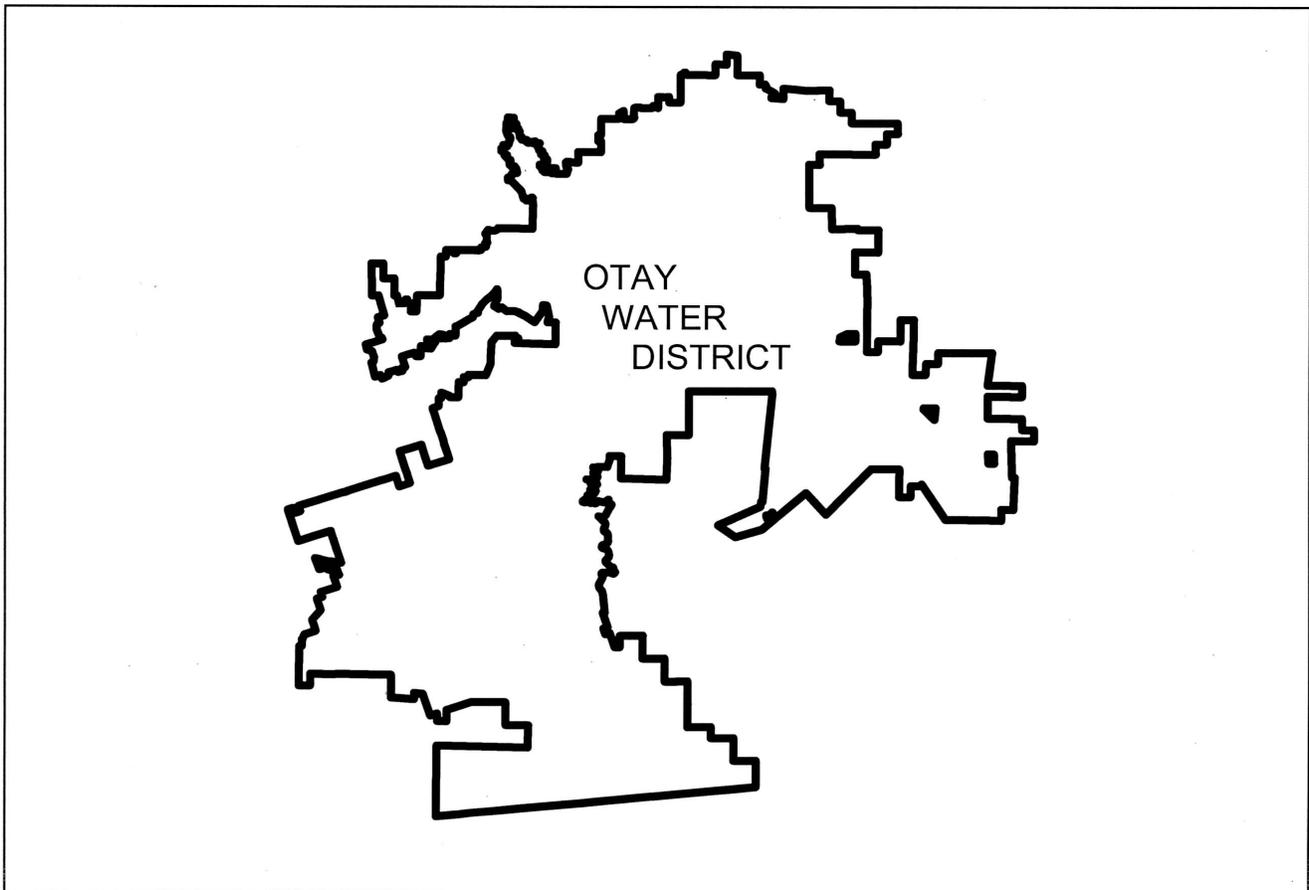
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Doug Rahders

Date: 10/19/2011

PROJECT TITLE: Safety and Security Improvements

CIP Number: P2382

PROJECT MANAGER: Jerry Munoz

DIRECTOR DIVISION:

I.D. LOCATION: District Wide

ORIGINAL APPROVED DATE: 6/5/2002

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$3,397,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

General Fund at 40% expansion and 60% replacement.

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Expansion	40 %	0 %	60 %	0 %	100 %
TOTAL:	40 %	0 %	60 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
\$1,897	\$300	\$300	\$300	\$300	\$300	\$0	\$3,397

CIP Number: P2382

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2002	8/1/2003	\$62
DESIGN:	9/1/2003	6/1/2010	\$169
CONSTRUCTION:	8/1/2004	6/1/2017	\$3,166

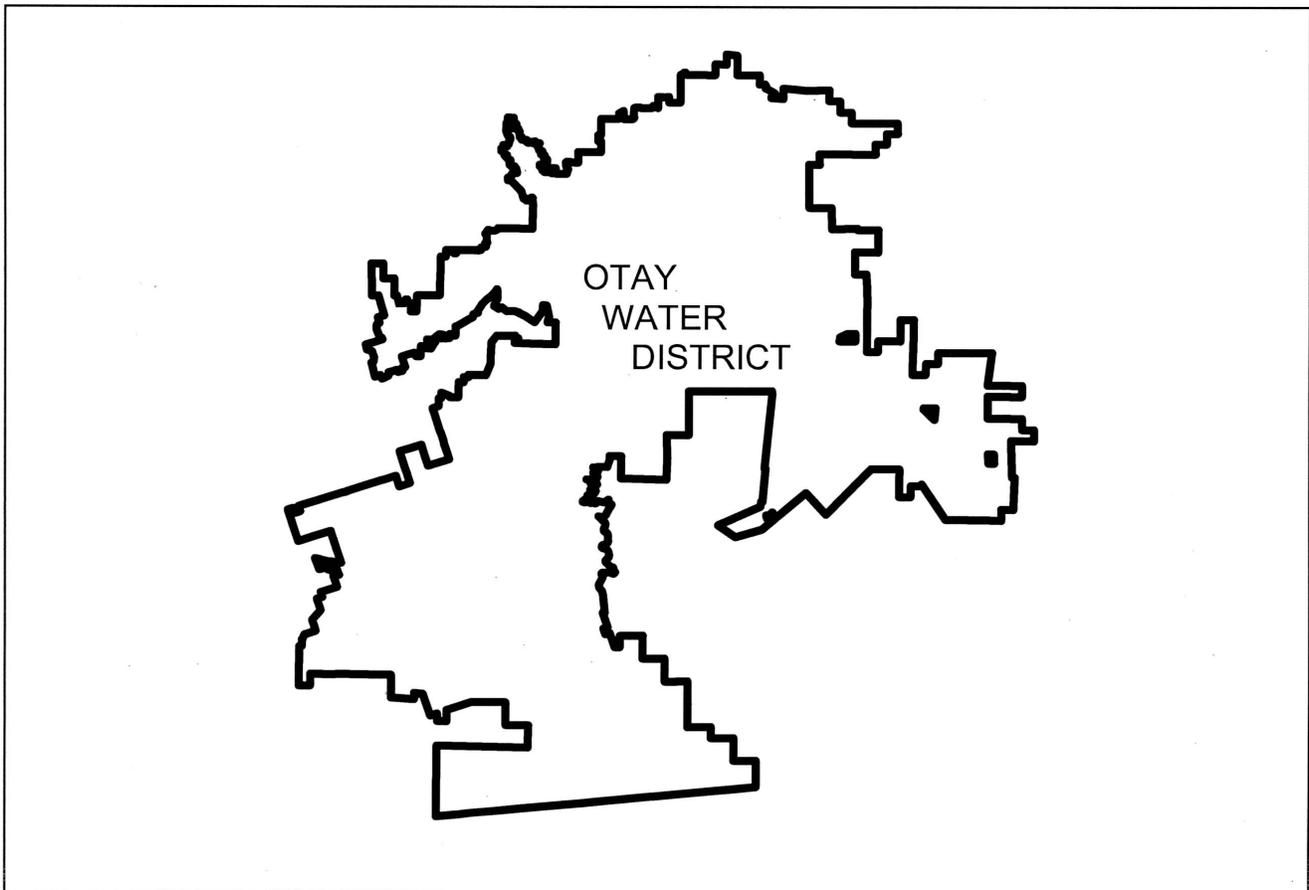
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Jerry Munoz

Date: 10/19/2011

PROJECT TITLE: I-905 Utility Relocations

CIP Number: P2440

PROJECT MANAGER: Jeff Marchioro

DIRECTOR DIVISION: 2

ORIGINAL APPROVED DATE: 6/2/2004

I.D. LOCATION: 7

RELATED CIP PROJECTS:

PRIORITY: 1

BUDGET AMOUNT: \$1,600,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

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

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Replacement	0 %	0 %	100 %	0 %	100 %
TOTAL:	0 %	0 %	100 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
\$1,590	\$5	\$5	\$0	\$0	\$0	\$0	\$1,600

CIP Number: P2440

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	1/1/2003	9/1/2006	\$121
DESIGN:	10/1/2003	9/1/2006	\$332
CONSTRUCTION:	10/1/2006	12/1/2013	\$1,147

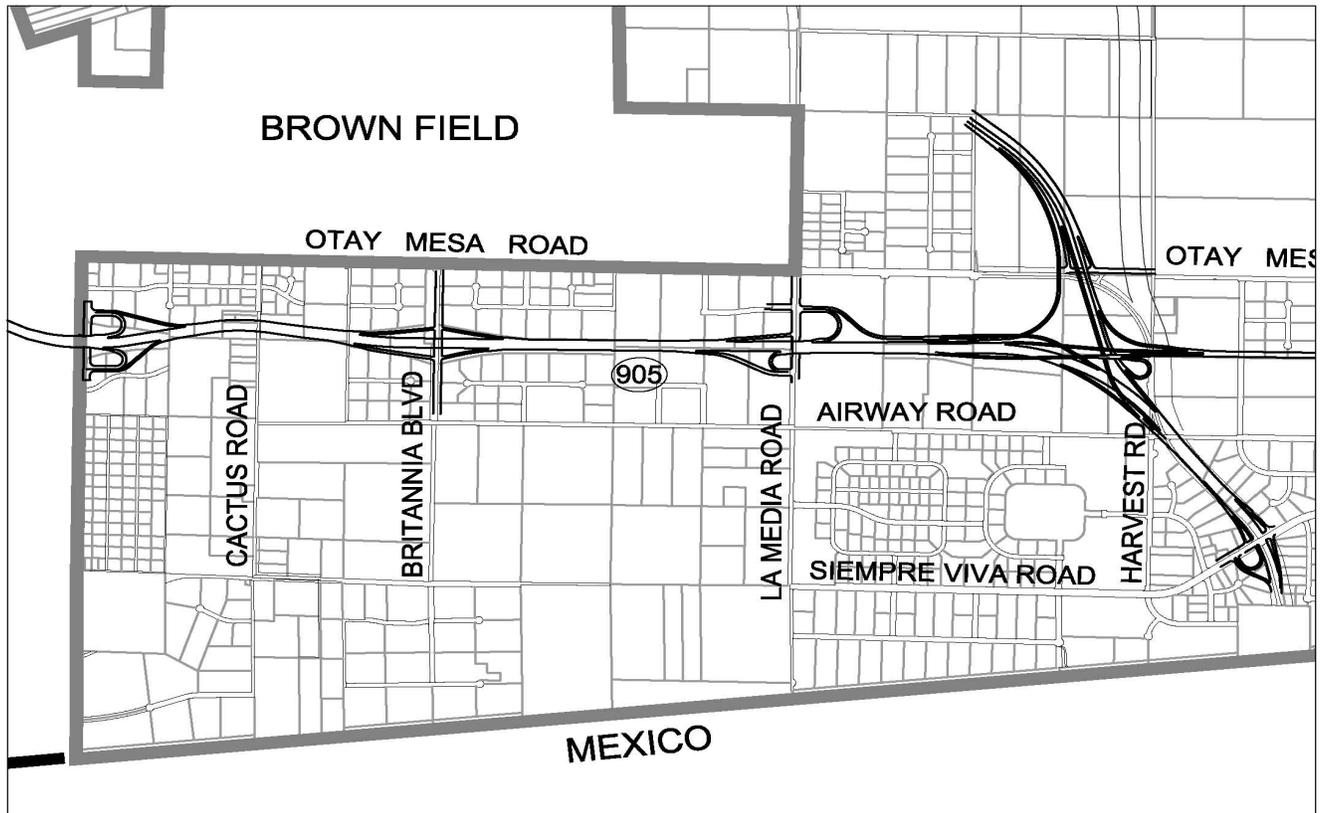
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1351

OWD Map Book: 10



Submitted By: Jeff Marchioro

Date: 10/20/2011

PROJECT TITLE: SR-11 Utility Relocations		CIP Number: P2453					
PROJECT MANAGER: Daniel Kay		DIRECTOR DIVISION: 2		I.D. LOCATION: 7			
ORIGINAL APPROVED DATE: 5/23/2006		PRIORITY: 1		BUDGET AMOUNT: \$2,250,000			
RELATED CIP PROJECTS:							
DESCRIPTION OF PROJECT:							
<p>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.</p>							
JUSTIFICATION OF PROJECT:							
<p>Caltrans will construct SR-11, which will result in utility conflicts with existing Otay Water District facilities at various locations. In most cases, the Otay Water District 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.</p>							
COMMENTS:							
FUND DETAILS:							
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total		
Replacement	0 %	0 %	100 %	0 %	100 %		
TOTAL:	0 %	0 %	100 %	0 %	100 %		
EXPENDITURE SCHEDULE (X \$1,000):							
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2013	2014	2015	2016	2017	2018	Total
\$100	\$200	\$125	\$125	\$1,000	\$700	\$0	\$2,250

CIP Number: P2453

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2006	6/1/2010	\$20
DESIGN:	7/1/2009	10/1/2010	\$250
CONSTRUCTION:	11/1/2010	6/1/2014	\$1,980

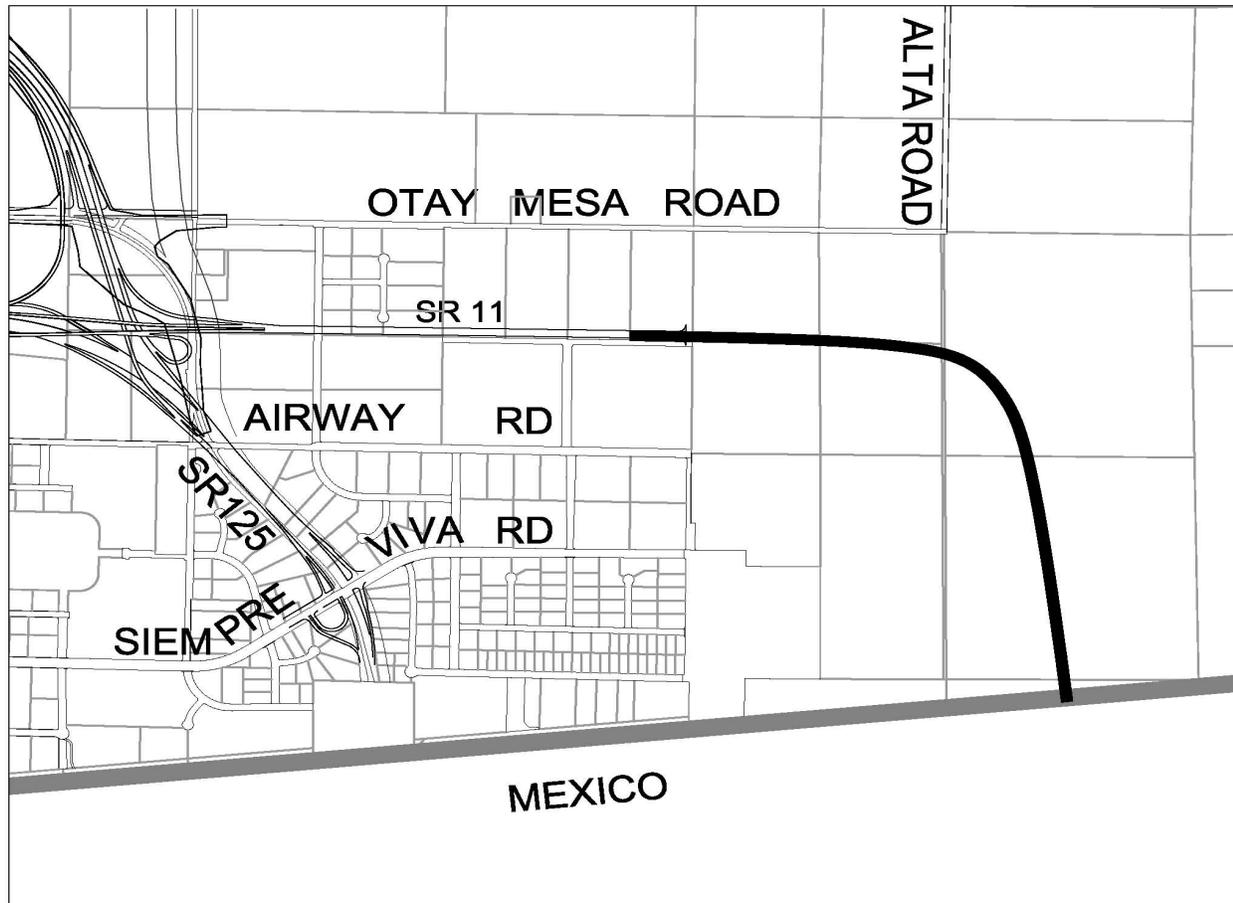
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1351

OWD Map Book: 5



Submitted By: Daniel Kay

Date: 10/20/2011

PROJECT TITLE: AMR Manual Meter Replacement

CIP Number: P2458

PROJECT MANAGER: Tim Keeran

DIRECTOR DIVISION:

I.D. LOCATION: District Wide

ORIGINAL APPROVED DATE: 5/23/2006

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$9,400,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

This program will benefit the Otay Water District by reducing manpower resources. The goal is to complete twelve routes or approximately 5,760 existing meters per year.

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Replacement	0 %	0 %	100 %	0 %	100 %
TOTAL:	0 %	0 %	100 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
\$7,500	\$1,400	\$500	\$0	\$0	\$0	\$0	\$9,400

CIP Number: P2458

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2006	6/1/2014	\$9,400

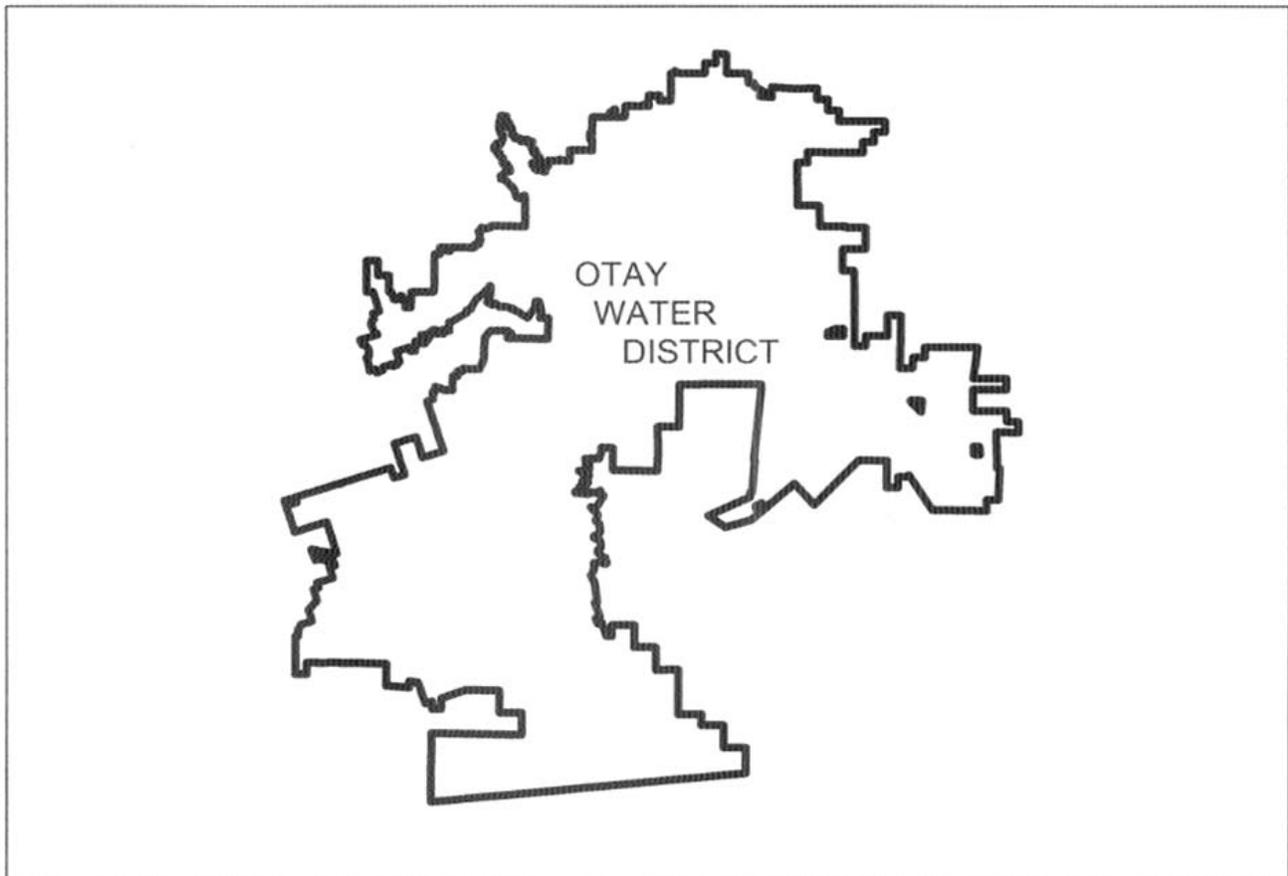
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	(\$226,400)	(\$233,200)	(\$240,000)	(\$699,600)
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Tim Keeran

Date: 10/20/2011

PROJECT TITLE: Res - 624-1 Reservoir Cover Replacement

CIP Number: P2477

PROJECT MANAGER: Jeff Marchioro

DIRECTOR DIVISION: 1

ORIGINAL APPROVED DATE: 6/23/2008

I.D. LOCATION: 22

RELATED CIP PROJECTS:

PRIORITY: 2

BUDGET AMOUNT: \$800,000

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 DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Replacement	0 %	0 %	100 %	0 %	100 %
TOTAL:	0 %	0 %	100 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
\$110	\$690	\$0	\$0	\$0	\$0	\$0	\$800

CIP Number: P2477

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2008	2/1/2012	\$8
DESIGN:	2/1/2012	10/1/2012	\$110
CONSTRUCTION:	10/1/2012	2/1/2013	\$682

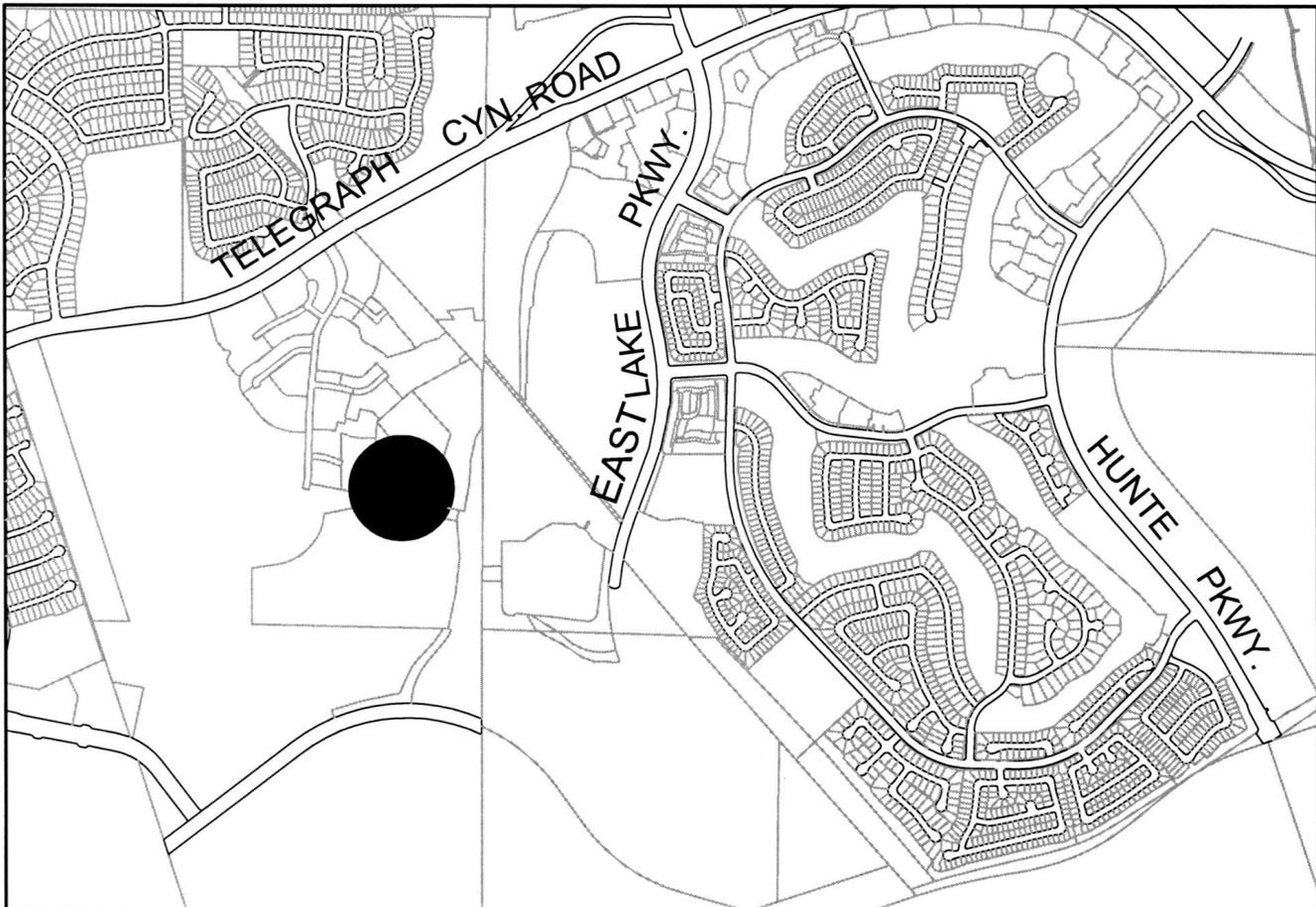
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1311

OWD Map Book: 114



Submitted By: Jeff Marchioro

Date: 10/20/2011

PROJECT TITLE: Large Water Meter Testing and Replacement Program

CIP Number: P2484

PROJECT MANAGER: Tim Keeran

DIRECTOR DIVISION:

ORIGINAL APPROVED DATE: 5/21/2009

I.D. LOCATION: District Wide

RELATED CIP PROJECTS:

PRIORITY: 1

BUDGET AMOUNT: \$835,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Replacement	0 %	0 %	100 %	0 %	100 %
TOTAL:	0 %	0 %	100 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
\$585	\$150	\$100	\$0	\$0	\$0	\$0	\$835

CIP Number: P2484

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2009	6/1/2014	\$835

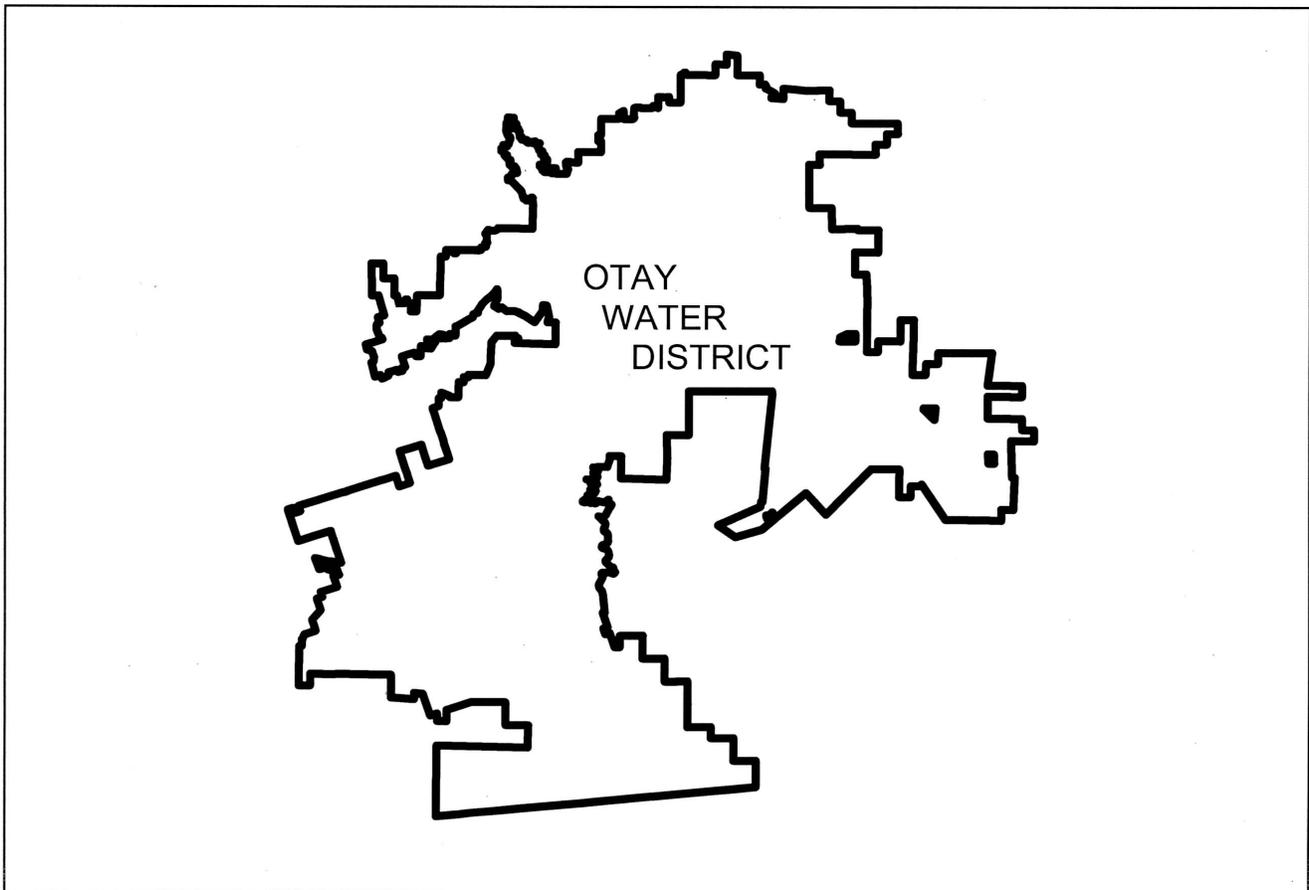
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Tim Keeran

Date: 10/24/2011

PROJECT TITLE: SCADA Communication System and Software Replacement

CIP Number: P2485

PROJECT MANAGER:	Gary Stalker	DIRECTOR DIVISION:	
ORIGINAL APPROVED DATE:	5/21/2009	I.D. LOCATION:	District Wide
RELATED CIP PROJECTS:		PRIORITY:	1
		BUDGET AMOUNT:	\$1,846,000

DESCRIPTION OF PROJECT:

This project will replace the existing SCADA software and radio communication system and install fuel level transmitters on all diesel fuel tanks. A Battery Backup System will be installed at remote SCADA/Radio sites without emergency power generators.

JUSTIFICATION OF PROJECT:

The vendor will no longer be upgrading or supporting the existing system beginning 2012. The radio equipment needs replacement to allow for increased band width capability to increase security systems functionality. The fuel level transmitters on all diesel fuel tanks and remote SCADA monitoring will provide supervisors with real time fuel levels to monitor available runtime on stand-by engines during extended power outages. The battery backup system will provide continuous communications and SCADA monitoring and control for 3 days, if the District lost power at sites without emergency power generators.

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Replacement	0 %	0 %	100 %	0 %	100 %
TOTAL:	0 %	0 %	100 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
	\$726	\$629	\$491	\$0	\$0	\$0	\$1,846

CIP Number: P2485

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2009	6/1/2014	\$1,846

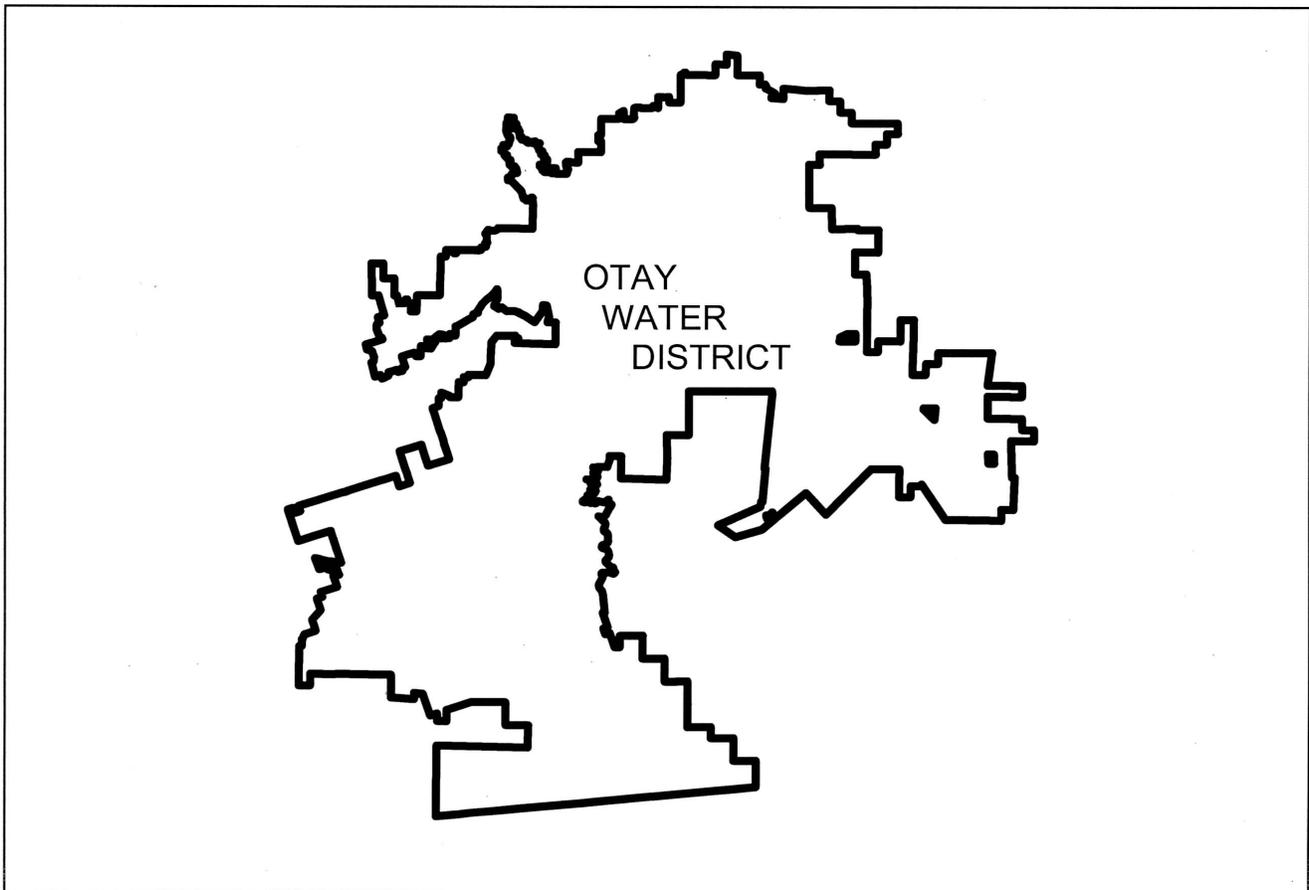
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Gary Stalker

Date: 10/24/2011

PROJECT TITLE: 850-3 Reservoir Exterior Coating

CIP Number: P2491

PROJECT MANAGER: Kevin Cameron

DIRECTOR DIVISION: 5

ORIGINAL APPROVED DATE: 5/21/2009

I.D. LOCATION: 20

RELATED CIP PROJECTS:

PRIORITY: 1

BUDGET AMOUNT: \$350,000

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 DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Replacement	0 %	0 %	100 %	0 %	100 %
TOTAL:	0 %	0 %	100 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
\$200	\$150	\$0	\$0	\$0	\$0	\$0	\$350

CIP Number: P2491

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2009	8/1/2009	\$5
DESIGN:	9/1/2009	11/1/2011	\$30
CONSTRUCTION:	12/1/2011	6/1/2013	\$315

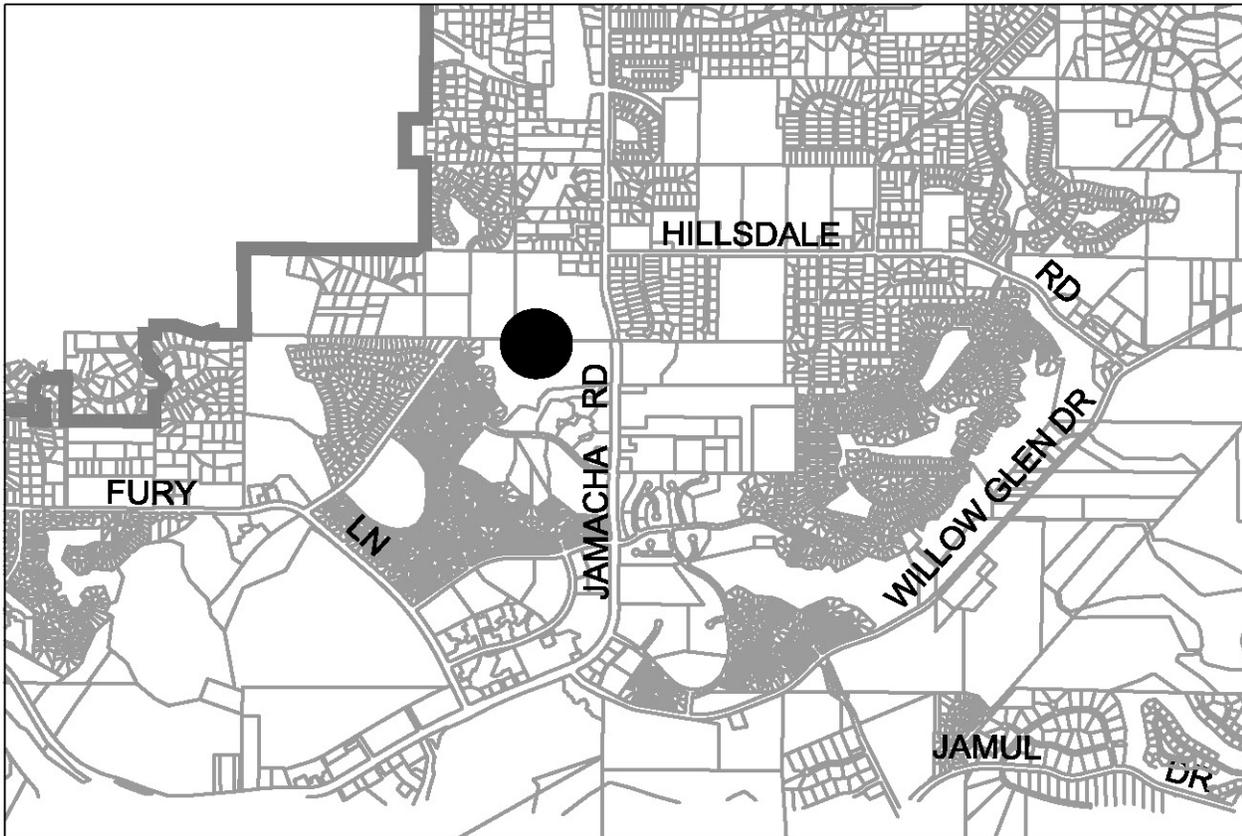
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1272

OWD Map Book: 355



Submitted By: Kevin Cameron

Date: 10/24/2011

PROJECT TITLE: 624-2 Reservoir Interior/Exterior Coating

CIP Number: P2493

PROJECT MANAGER: Kevin Cameron

DIRECTOR DIVISION: 4

ORIGINAL APPROVED DATE: 5/21/2009

I.D. LOCATION: 22

RELATED CIP PROJECTS:

PRIORITY: 1

BUDGET AMOUNT: \$1,850,000

DESCRIPTION OF PROJECT:

This project provides funding for the interior and exterior 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. Based on the FY 2012 Corrosion Report for Reservoir Coatings, the exterior is scheduled to be replaced in FY 2013.

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Replacement	0 %	0 %	100 %	0 %	100 %
TOTAL:	0 %	0 %	100 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
\$2	\$8	\$1,450	\$390	\$0	\$0	\$0	\$1,850

CIP Number: P2493

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2009	8/1/2010	\$5
DESIGN:	9/1/2010	12/31/2013	\$55
CONSTRUCTION:	1/1/2014	8/1/2014	\$1,790

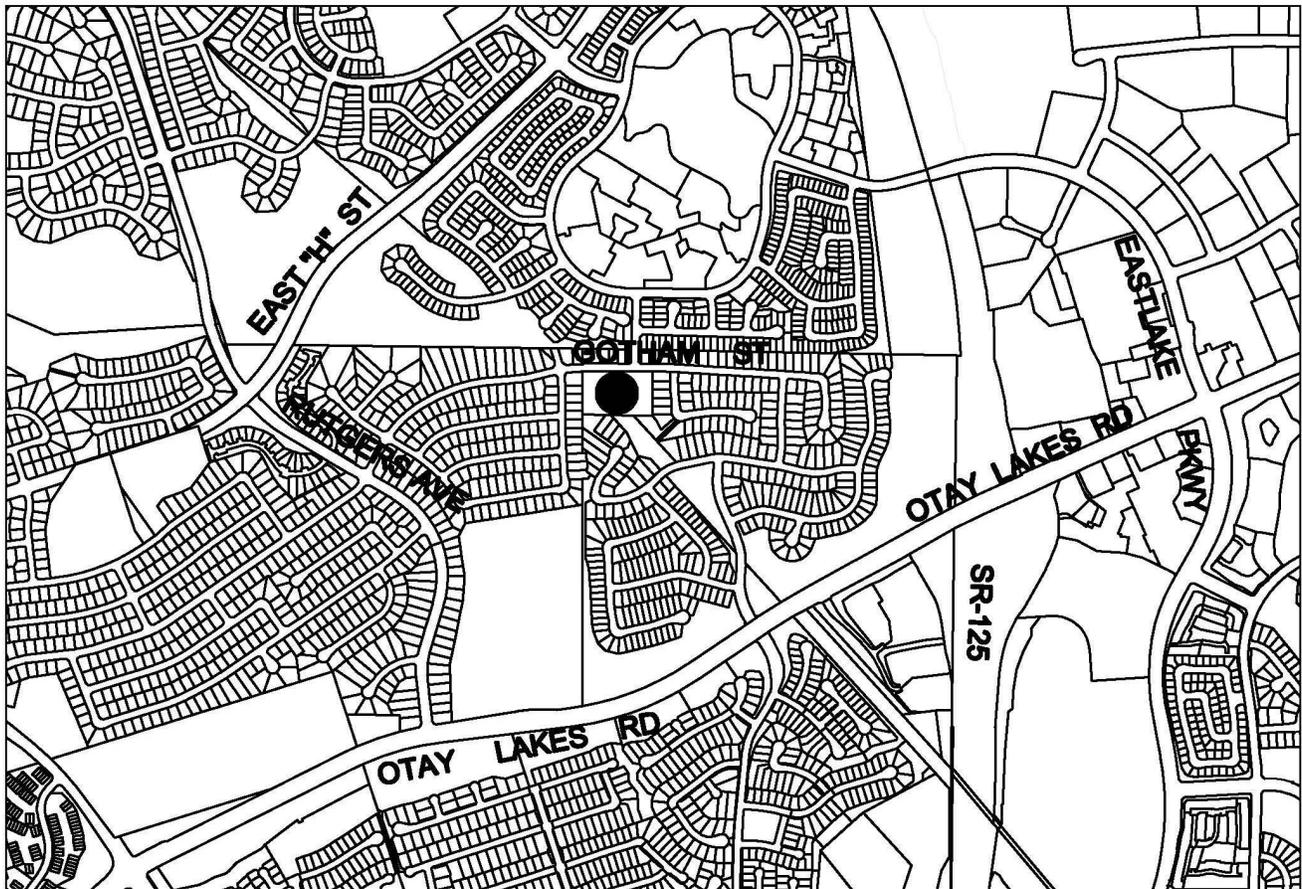
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1311

OWD Map Book: 130



Submitted By: Kevin Cameron

Date: 10/24/2011

PROJECT TITLE: Multiple Species Conservation Plan

CIP Number: P2494

PROJECT MANAGER: Lisa Coburn-Boyd

DIRECTOR DIVISION:

ORIGINAL APPROVED DATE: 5/21/2009

I.D. LOCATION: District Wide

RELATED CIP PROJECTS: P2495

PRIORITY: 1

BUDGET AMOUNT: \$930,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Expansion	100 %	0 %	0 %	0 %	100 %
TOTAL:	100 %	0 %	0 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
	\$807	\$93	\$30	\$0	\$0	\$0	\$930

CIP Number: P2494

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2009	6/30/2013	\$930
DESIGN:			\$0
CONSTRUCTION:			\$0

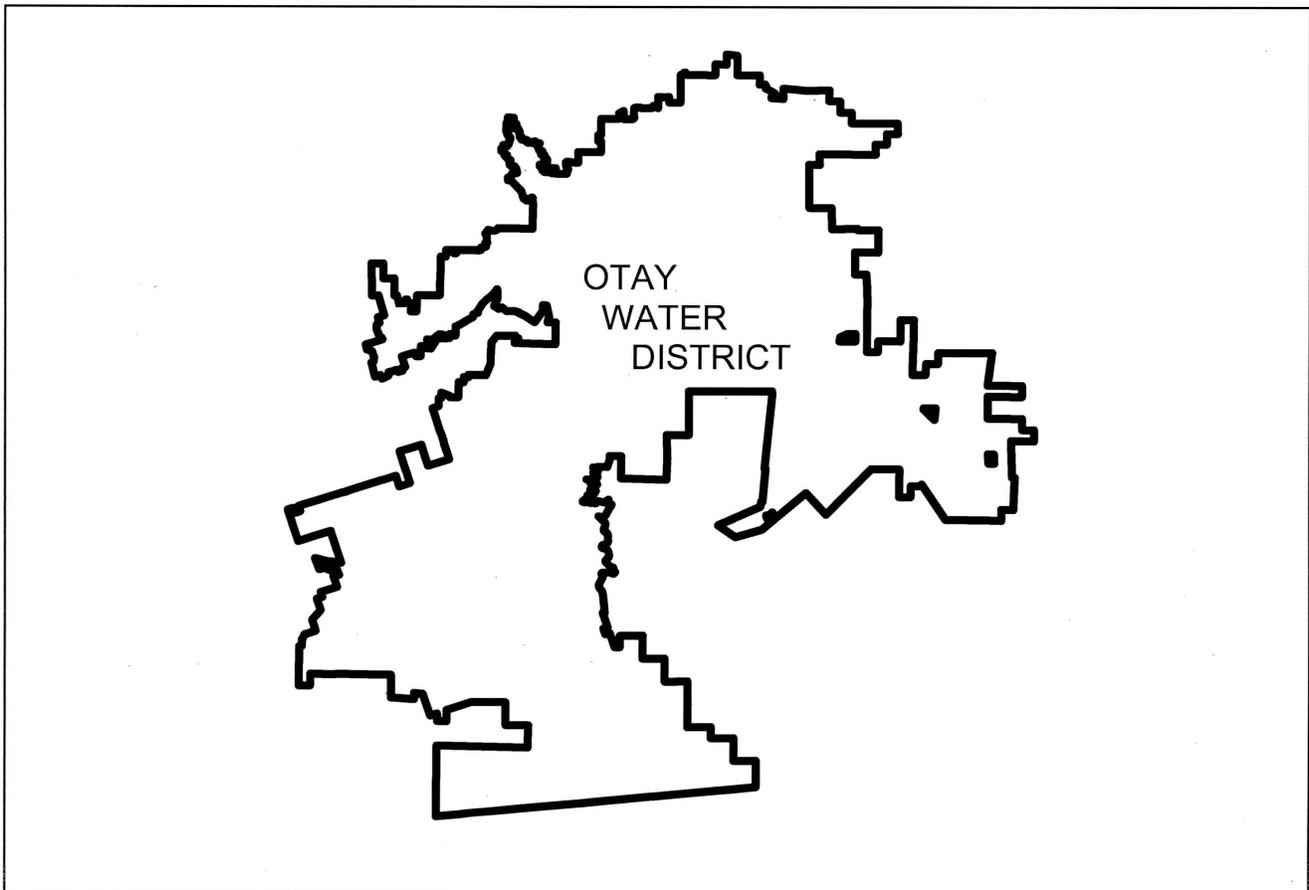
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Lisa Coburn-Boyd

Date: 10/24/2011

PROJECT TITLE: San Miguel Habitat Management/Mitigation Area		CIP Number: P2495					
PROJECT MANAGER:	Lisa Coburn-Boyd	DIRECTOR DIVISION:	5				
ORIGINAL APPROVED DATE:	5/21/2009	I.D. LOCATION:	22				
RELATED CIP PROJECTS:	P2494	PRIORITY:	1				
		BUDGET AMOUNT:	\$1,900,000				
DESCRIPTION OF PROJECT:							
<p>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.</p>							
JUSTIFICATION OF PROJECT:							
<p>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 construction activities.</p>							
COMMENTS:							
FUND DETAILS:							
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total		
Expansion	100 %	0 %	0 %	0 %	100 %		
TOTAL:	100 %	0 %	0 %	0 %	100 %		
EXPENDITURE SCHEDULE (X \$1,000):							
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2013	2014	2015	2016	2017	2018	Total
\$780	\$120	\$200	\$200	\$200	\$200	\$200	\$1,900

CIP Number: P2495

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2009	6/30/2018	\$1,900
DESIGN:			\$0
CONSTRUCTION:			\$0

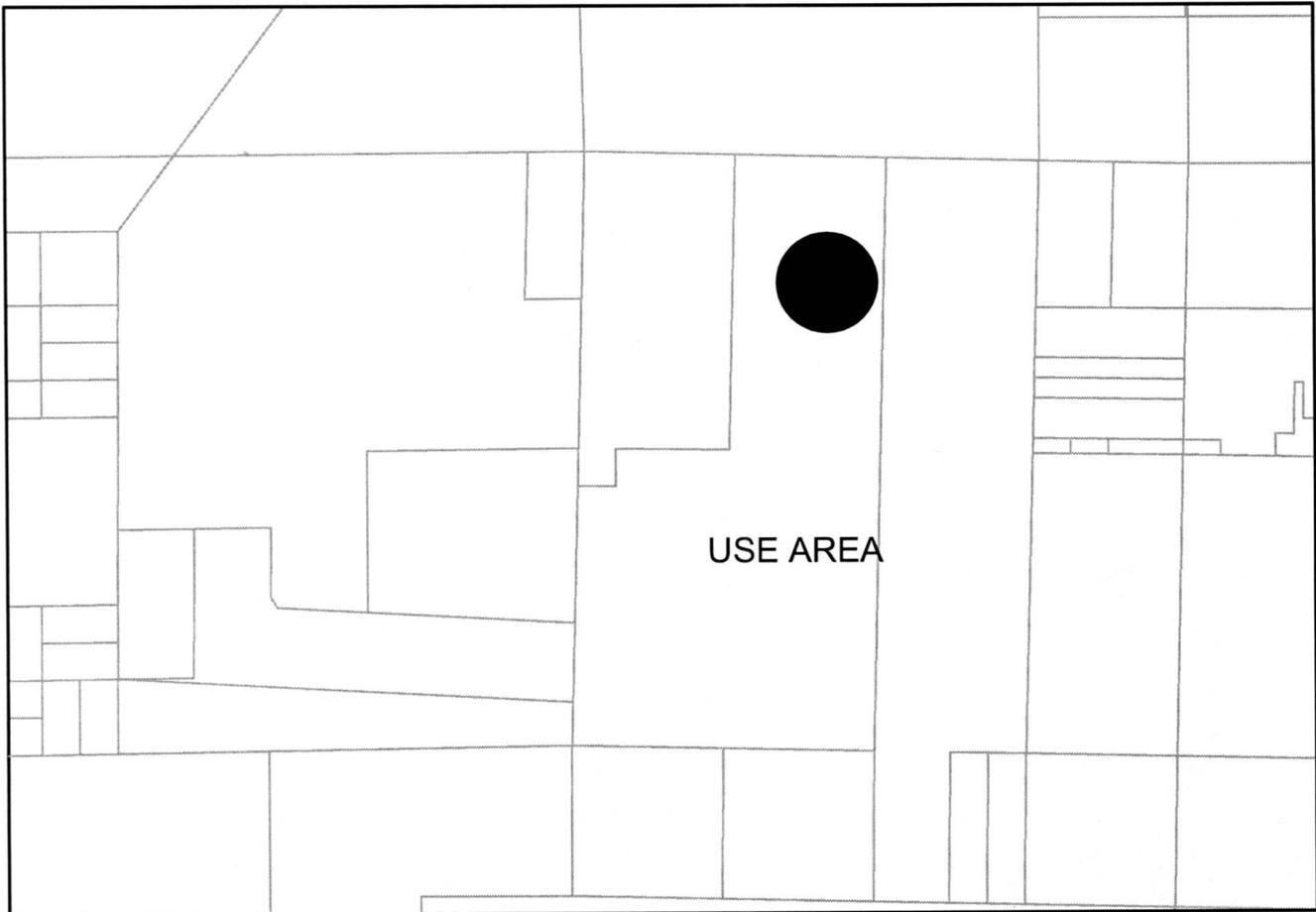
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1311

OWD Map Book: 159



Submitted By: Lisa Coburn-Boyd

Date: 10/24/2011

PROJECT TITLE: Otay Lakes Road Utility Relocations

CIP Number: P2496

PROJECT MANAGER: Daniel Kay

DIRECTOR DIVISION: 4

ORIGINAL APPROVED DATE: 5/21/2009

I.D. LOCATION: 5

RELATED CIP PROJECTS:

PRIORITY: 1

BUDGET AMOUNT: \$275,000

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 DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Replacement	0 %	0 %	100 %	0 %	100 %
TOTAL:	0 %	0 %	100 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
\$225	\$50	\$0	\$0	\$0	\$0	\$0	\$275

CIP Number: P2496

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2009	8/1/2009	\$4
DESIGN:	9/1/2009	12/1/2009	\$11
CONSTRUCTION:	1/1/2010	12/31/2013	\$260

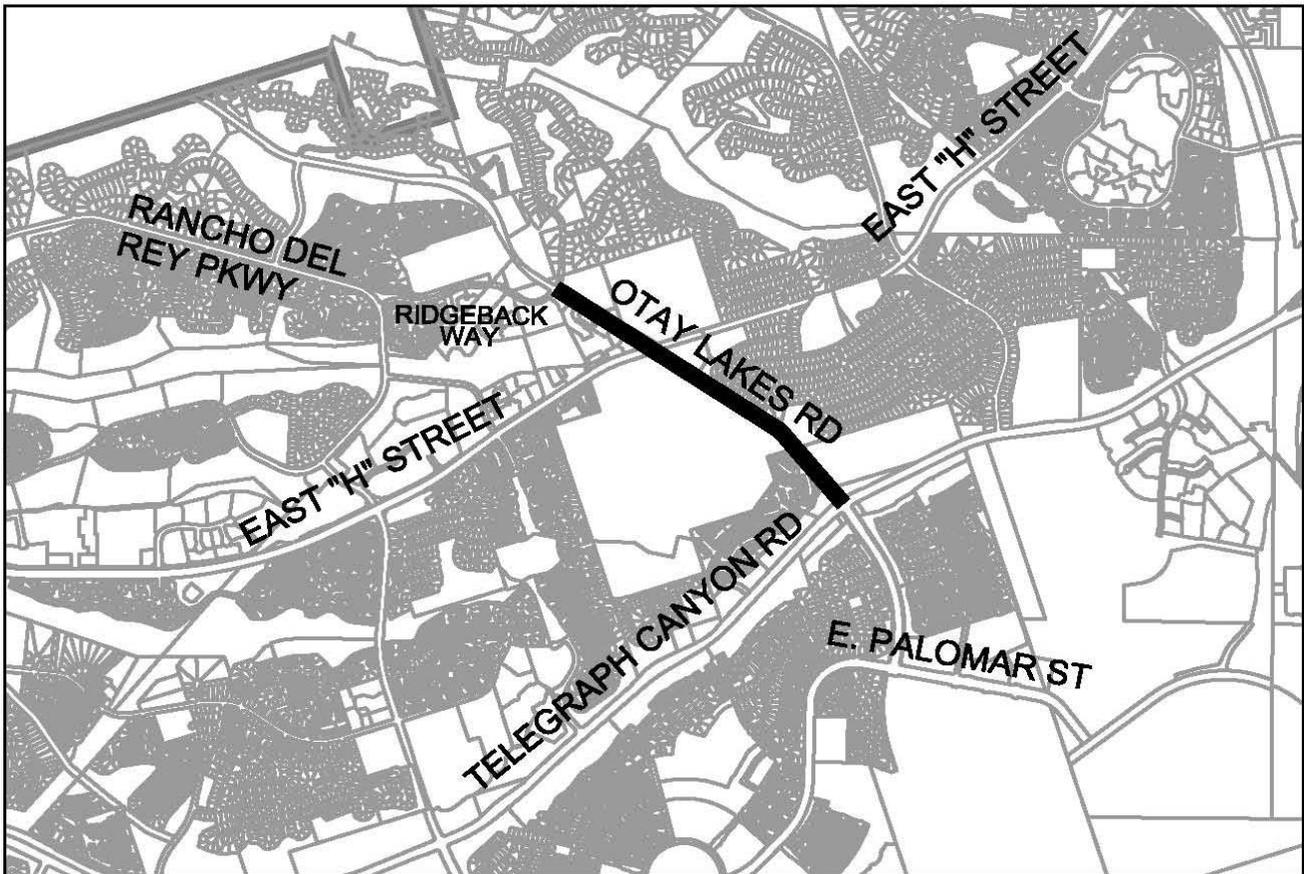
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1311

OWD Map Book: 113



Submitted By: Daniel Kay

Date: 10/24/2011

PROJECT TITLE: Regulatory Site Access Road and Pipeline Relocation		CIP Number: P2504					
PROJECT MANAGER: Kevin Cameron		DIRECTOR DIVISION:	5				
ORIGINAL APPROVED DATE: 5/17/2010		I.D. LOCATION:	20				
RELATED CIP PROJECTS: P2466		PRIORITY:	1				
		BUDGET AMOUNT:	\$600,000				
DESCRIPTION OF PROJECT:							
Improve the existing access road from the proposed sheriff substation site to the Regulatory Reservoir Site.							
JUSTIFICATION OF PROJECT:							
Improving the existing access road will provide for increased safety and all weather permanent access to the Regulatory Reservoir Site.							
COMMENTS:							
FUND DETAILS:							
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total		
Betterment ID 1	0 %	50 %	0 %	0 %	50 %		
Replacement	0 %	0 %	50 %	0 %	50 %		
TOTAL:	0 %	50 %	50 %	0 %	100 %		
EXPENDITURE SCHEDULE (X \$1,000):							
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2013	2014	2015	2016	2017	2018	Total
\$150	\$50	\$225	\$175	\$0	\$0	\$0	\$600

CIP Number: P2504

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2010	9/1/2010	\$55
DESIGN:	10/1/2010	12/1/2012	\$95
CONSTRUCTION:	1/1/2013	9/1/2014	\$450

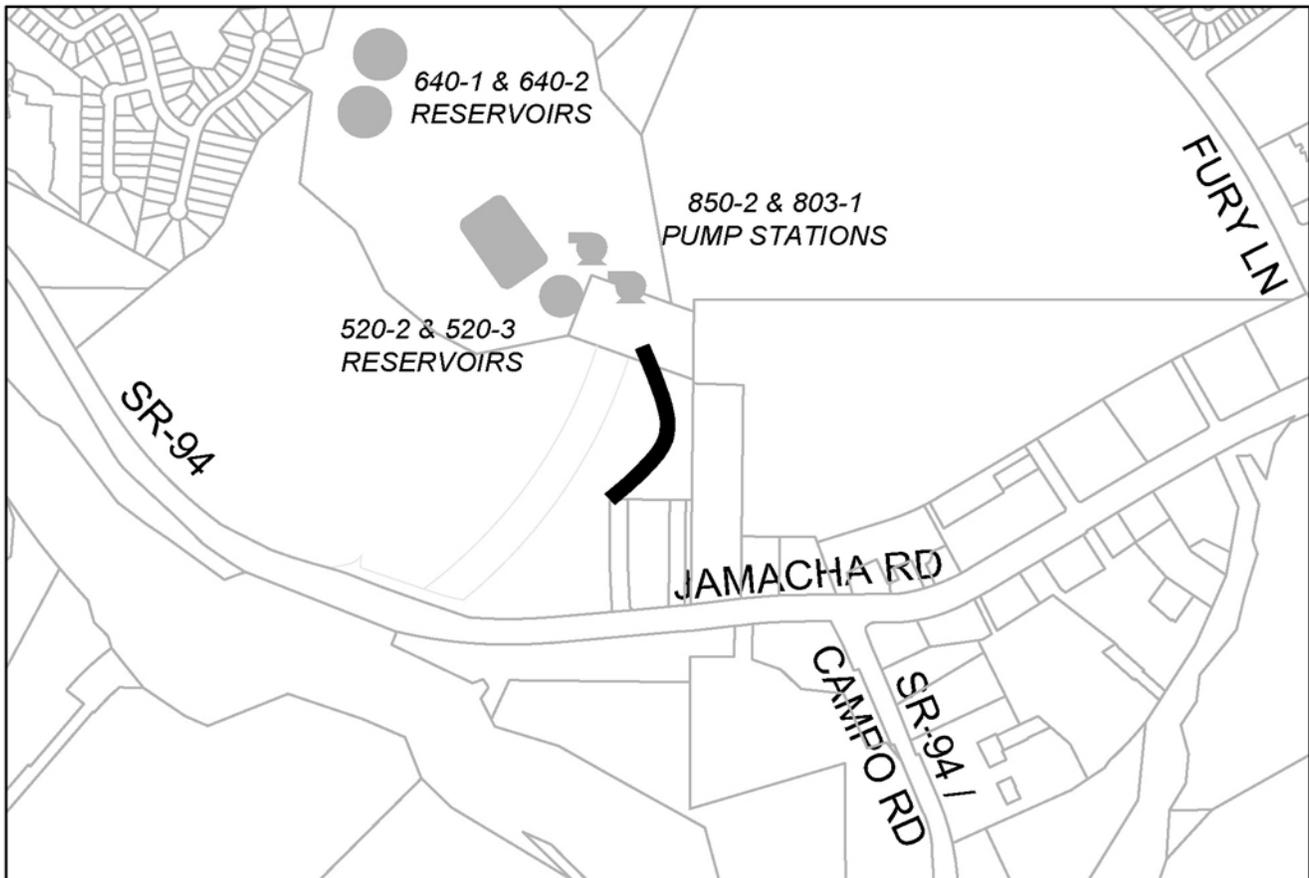
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1271

OWD Map Book: 331



Submitted By: Kevin Cameron

Date: 10/24/2011

PROJECT TITLE: East Palomar Street Utility Relocation

CIP Number: P2507

PROJECT MANAGER: Kevin Cameron

DIRECTOR DIVISION: 2

ORIGINAL APPROVED DATE: 5/17/2010

I.D. LOCATION: 10

RELATED CIP PROJECTS:

PRIORITY: 2

BUDGET AMOUNT: \$900,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Replacement	0 %	0 %	100 %	0 %	100 %
TOTAL:	0 %	0 %	100 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
\$185	\$150	\$330	\$235	\$0	\$0	\$0	\$900

CIP Number: P2507

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2010	12/1/2010	\$5
DESIGN:	1/1/2011	12/1/2011	\$195
CONSTRUCTION:	1/1/2012	6/1/2014	\$700

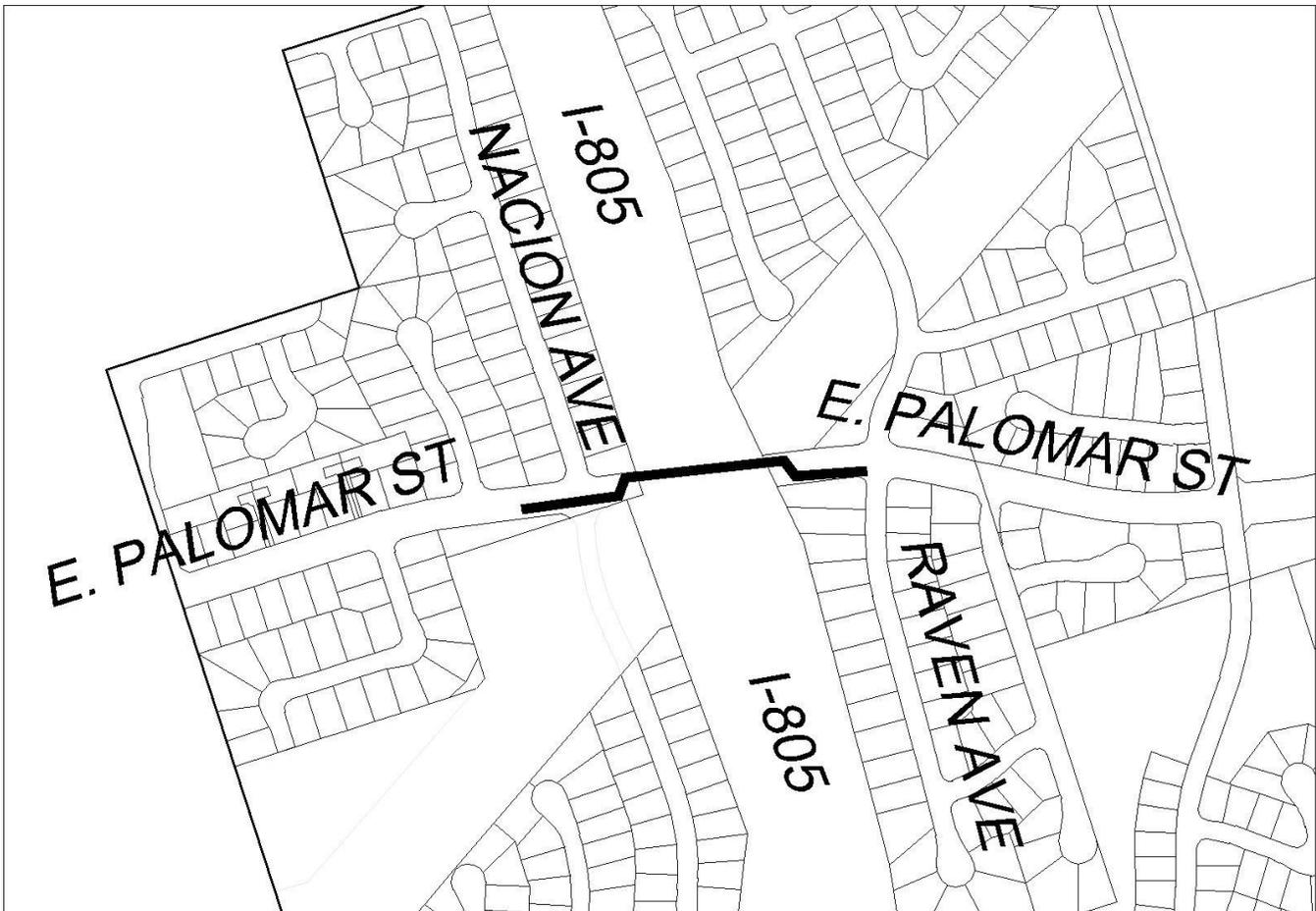
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1330

OWD Map Book: 80



Submitted By: Kevin Cameron

Date: 10/24/2011

PROJECT TITLE: Pipeline Cathodic Protection Replacement Program

CIP Number: P2508

PROJECT MANAGER: Daniel Kay

DIRECTOR DIVISION:

ORIGINAL APPROVED DATE: 5/17/2010

I.D. LOCATION: District Wide

RELATED CIP PROJECTS:

PRIORITY: 1

BUDGET AMOUNT: \$150,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Replacement	0 %	0 %	100 %	0 %	100 %
TOTAL:	0 %	0 %	100 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
	\$20	\$80	\$50	\$0	\$0	\$0	\$150

CIP Number: P2508

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2010	9/1/2010	\$5
DESIGN:	10/1/2010	4/30/2012	\$30
CONSTRUCTION:	5/1/2012	12/31/2013	\$115

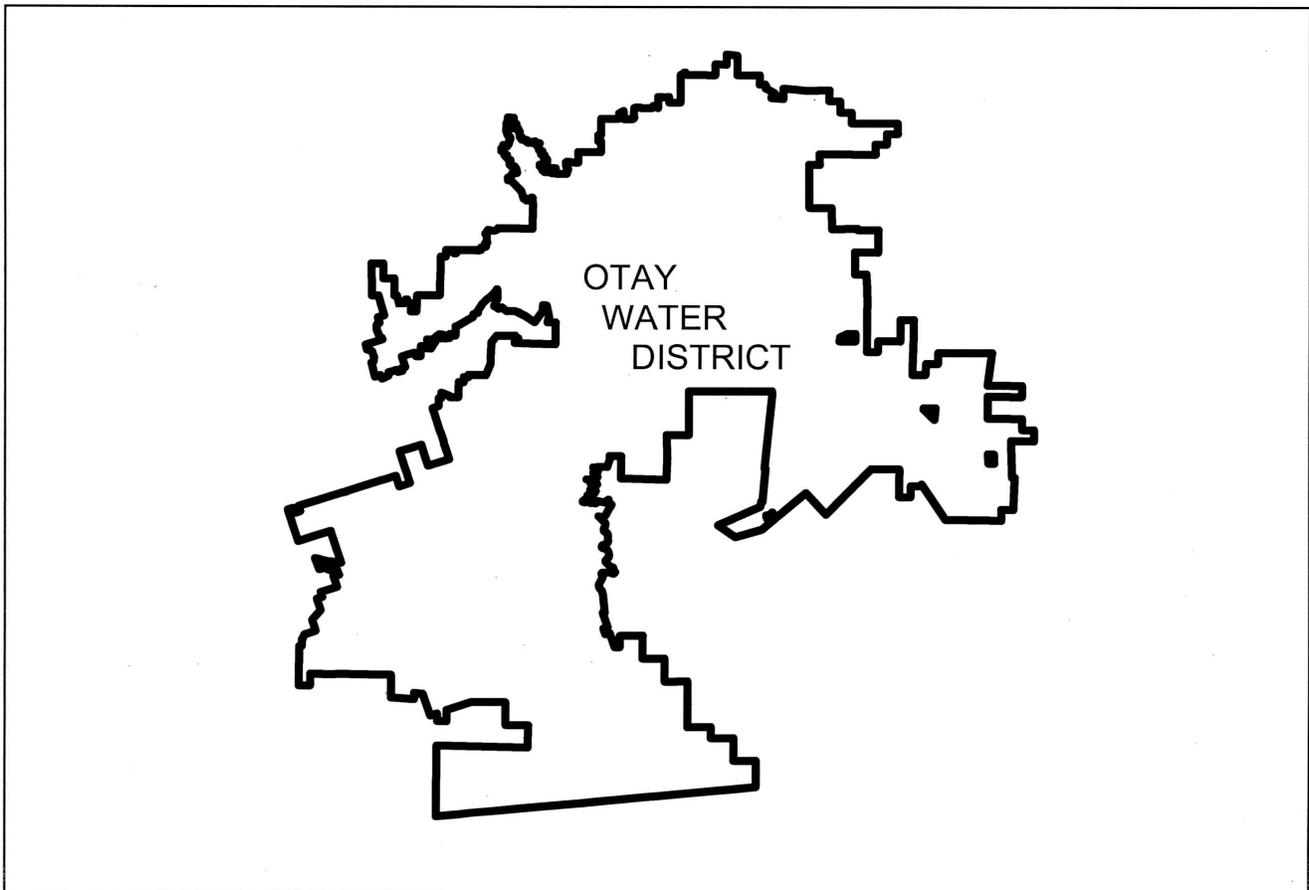
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Daniel Kay

Date: 10/24/2011

PROJECT TITLE: East Orange Avenue Bridge Crossing

CIP Number: P2513

PROJECT MANAGER: Kevin Cameron

DIRECTOR DIVISION: 2

ORIGINAL APPROVED DATE:

I.D. LOCATION: 10

RELATED CIP PROJECTS:

PRIORITY: 1

BUDGET AMOUNT: \$1,200,000

DESCRIPTION OF PROJECT:

Construction of approximately 1,900 feet of 12-inch pipeline in Olympic Pkwy. / East Orange Ave. across I-805. This project will provide a needed and redundant pipeline to the area west of I 805.

JUSTIFICATION OF PROJECT:

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

COMMENTS:

City of Chula Vista and Caltrans are requiring work to be done at night to limit traffic impacts.

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Replacement	0 %	0 %	100 %	0 %	100 %
TOTAL:	0 %	0 %	100 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
	\$210	\$840	\$150	\$0	\$0	\$0	\$1,200

CIP Number: P2513

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2011	6/1/2013	\$25
DESIGN:	7/1/2013	12/1/2013	\$175
CONSTRUCTION:	1/1/2014	6/1/2016	\$1,000

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1330

OWD Map Book: 65



Submitted By: Kevin Cameron

Date: 10/24/2011

PROJECT TITLE: 870-1 Reservoir Paving

CIP Number: P2515

PROJECT MANAGER: Kevin Cameron

DIRECTOR DIVISION: 2

ORIGINAL APPROVED DATE:

I.D. LOCATION: 7

RELATED CIP PROJECTS:

PRIORITY: 2

BUDGET AMOUNT: \$550,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Replacement	0 %	0 %	100 %	0 %	100 %
TOTAL:	0 %	0 %	100 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
	\$25	\$100	\$425	\$0	\$0	\$0	\$550

CIP Number: P2515

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2011	12/1/2011	\$50
DESIGN:	1/1/2012	6/30/2013	\$75
CONSTRUCTION:	7/1/2013	12/31/2013	\$425

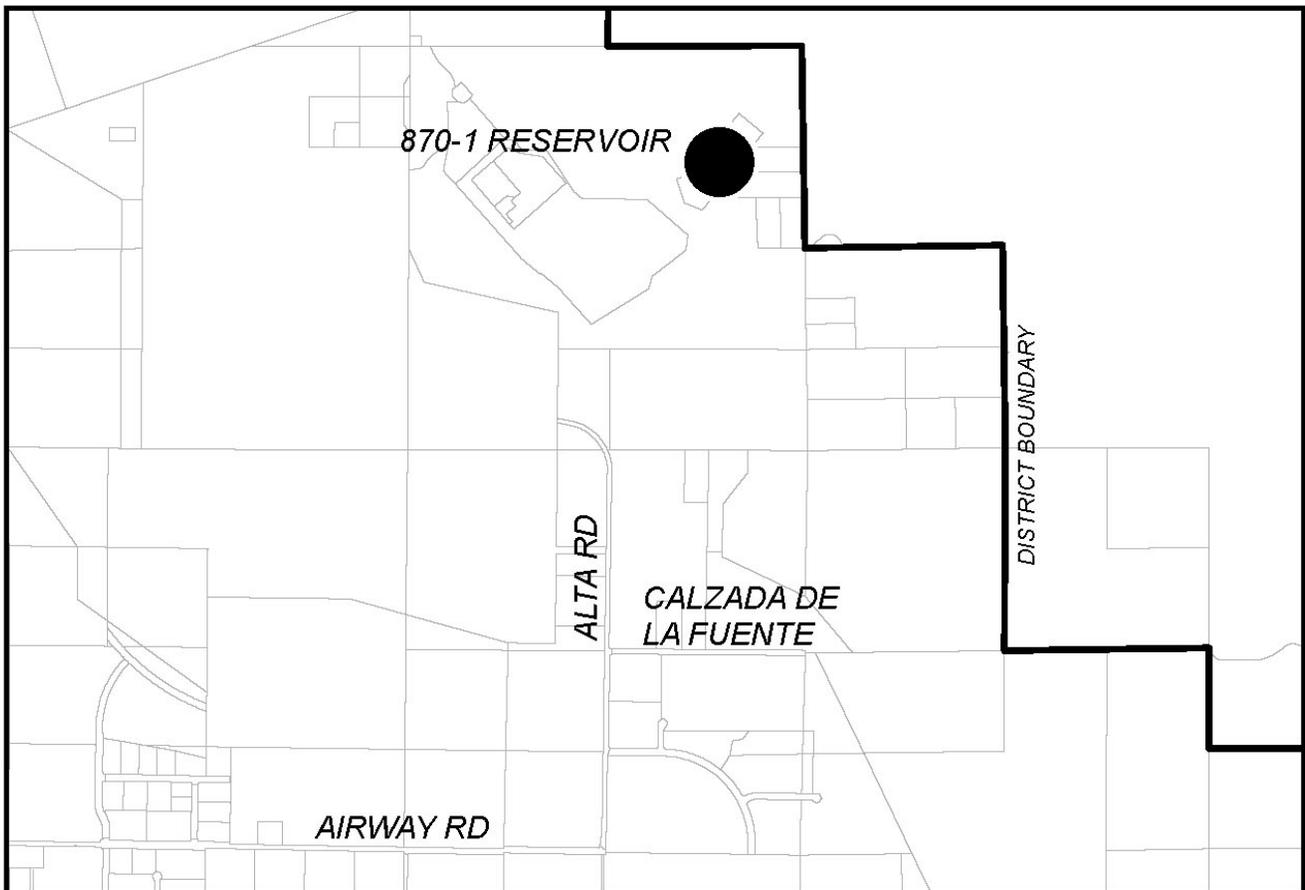
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1332

OWD Map Book: 55



Submitted By: Kevin Cameron

Date: 10/24/2011

PROJECT TITLE: 803-3 Reservoir Interior/Exterior Coating

CIP Number: P2518

PROJECT MANAGER: Kevin Cameron

DIRECTOR DIVISION: 5

ORIGINAL APPROVED DATE:

I.D. LOCATION: 20

RELATED CIP PROJECTS:

PRIORITY: 2

BUDGET AMOUNT: \$750,000

DESCRIPTION OF PROJECT:

This project provides funding for the interior and exterior coating of the 803-3 Reservoir. In addition, an assessment of the facility will be accomplished to assure compliance to all applicable codes and OSHA standards.

JUSTIFICATION OF PROJECT:

Based upon the 2010 Cathodic Assessment Report, the 803-3 Reservoir interior and exterior coatings are in relatively poor condition and are in need of replacement.

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Replacement	0 %	0 %	100 %	0 %	100 %
TOTAL:	0 %	0 %	100 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
	\$0	\$700	\$50	\$0	\$0	\$0	\$750

CIP Number: P2518

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2011	9/1/2012	\$10
DESIGN:	10/1/2012	12/1/2013	\$50
CONSTRUCTION:	1/1/2013	9/1/2013	\$690

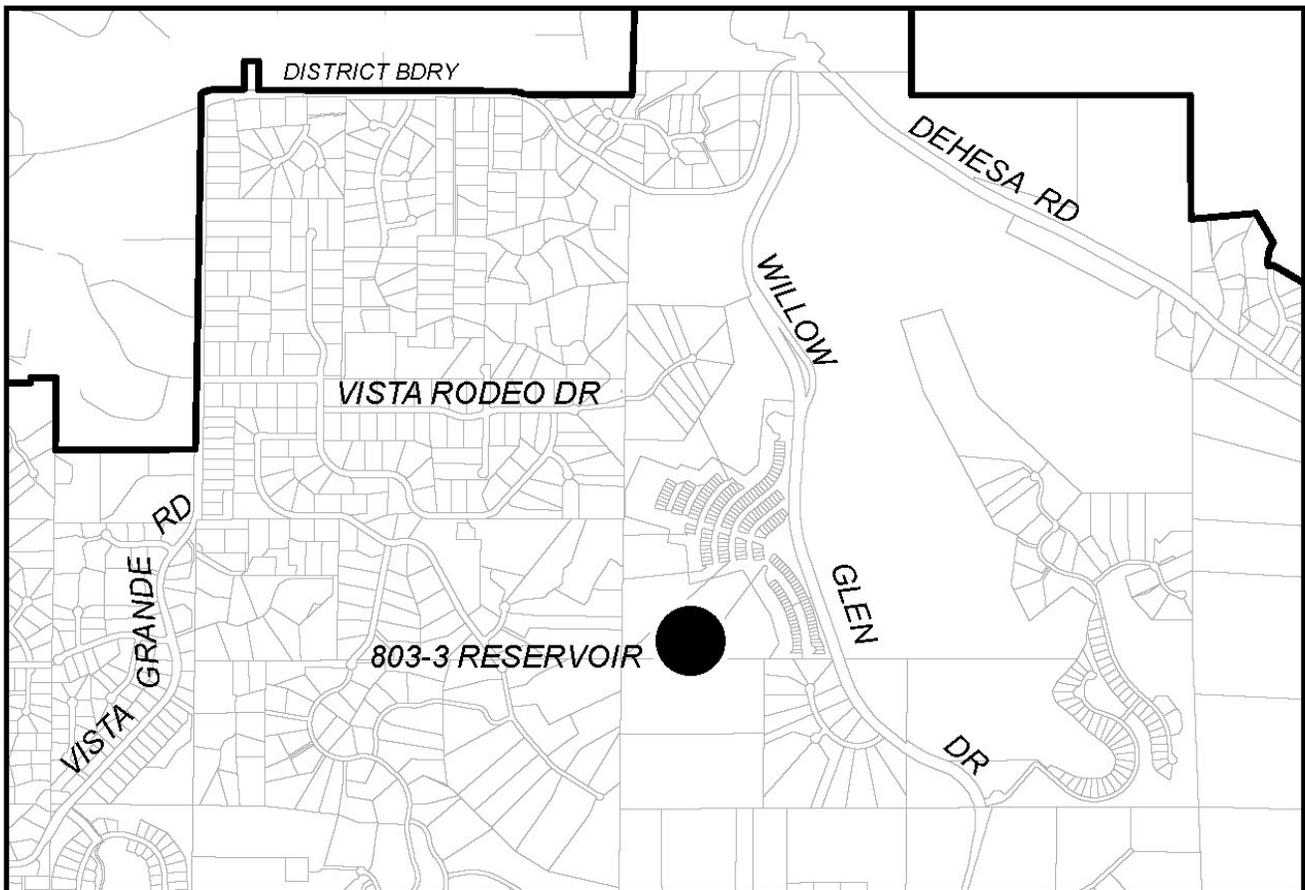
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1272

OWD Map Book: 370



Submitted By: Kevin Cameron

Date: 10/25/2011

PROJECT TITLE: 832-2 Reservoir Interior/Exterior Coating

CIP Number: P2519

PROJECT MANAGER: Kevin Cameron

DIRECTOR DIVISION: 5

ORIGINAL APPROVED DATE:

I.D. LOCATION: 2

RELATED CIP PROJECTS:

PRIORITY: 2

BUDGET AMOUNT: \$775,000

DESCRIPTION OF PROJECT:

This project provides funding for the interior and exterior coating of the 832-2 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 2010 Cathodic Assessment Report, the 832-2 Reservoir interior and exterior coatings are in relatively poor condition and are in need of replacement.

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Replacement	0 %	0 %	100 %	0 %	100 %
TOTAL:	0 %	0 %	100 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
	\$0	\$725	\$50	\$0	\$0	\$0	\$775

CIP Number: P2519

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2011	9/1/2012	\$10
DESIGN:	10/1/2012	12/1/2013	\$50
CONSTRUCTION:	1/1/2013	9/1/2013	\$715

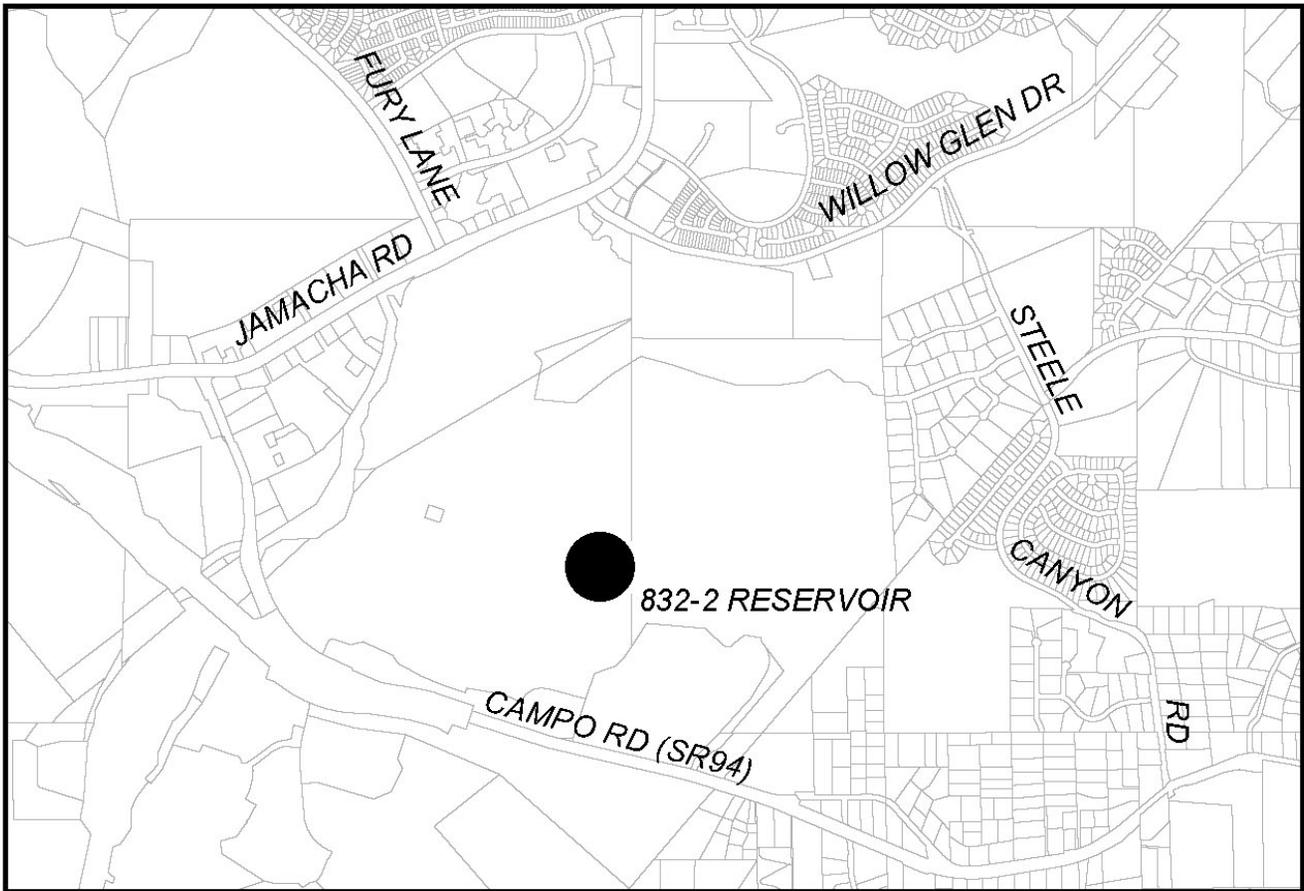
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1272

OWD Map Book: 332



Submitted By: Kevin Cameron

Date: 10/25/2011

PROJECT TITLE: Motorola Mobile Radio Upgrade

CIP Number: P2520

PROJECT MANAGER: Frank Anderson

DIRECTOR DIVISION:

I.D. LOCATION: District Wide

ORIGINAL APPROVED DATE:

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$100,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Replacement	0 %	0 %	100 %	0 %	100 %
TOTAL:	0 %	0 %	100 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
\$50	\$50	\$0	\$0	\$0	\$0	\$0	\$100

CIP Number: P2520

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	8/1/2011	10/1/2012	\$100

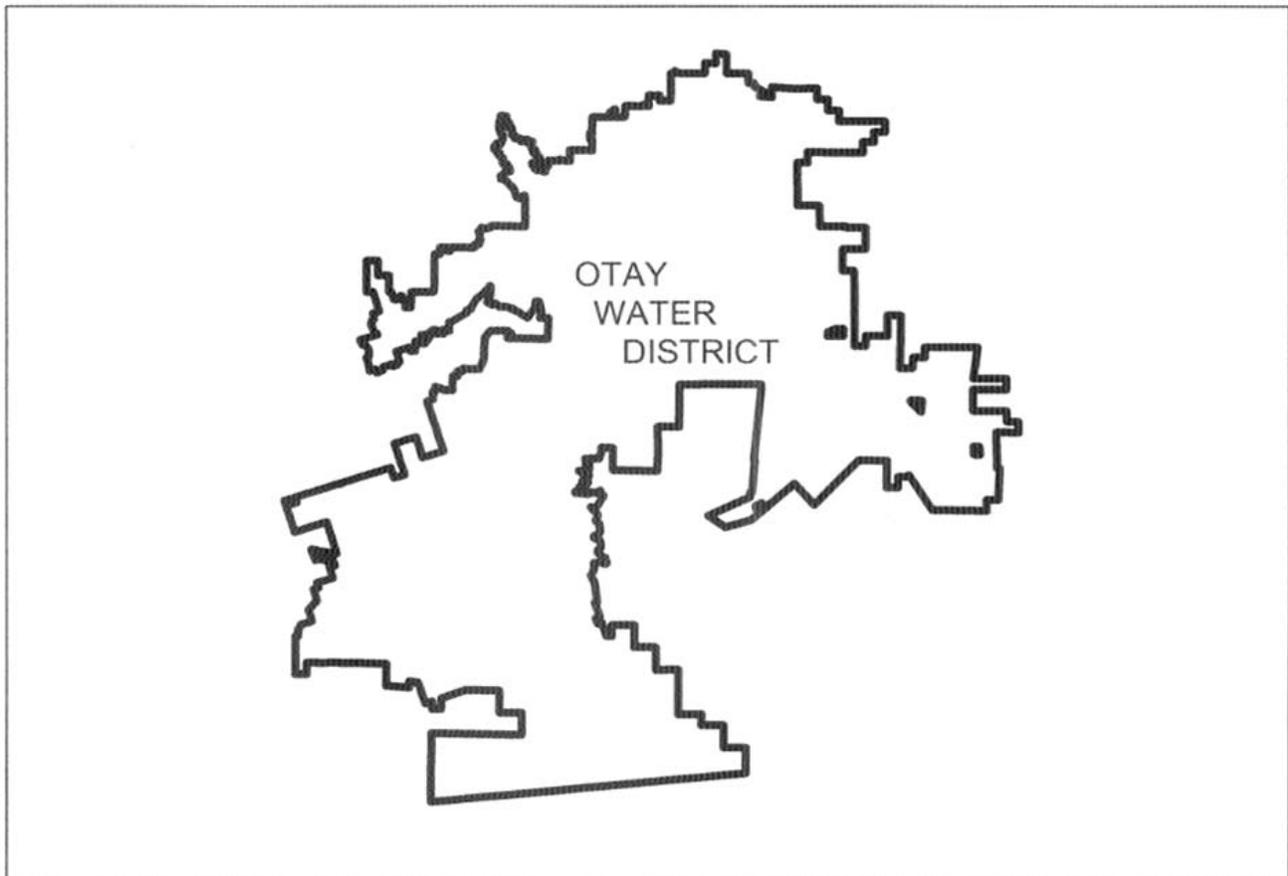
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Frank Anderson

Date: 10/25/2011

PROJECT TITLE: Large Meter Vault Upgrade Program

CIP Number: P2521

PROJECT MANAGER: Tim Keeran

DIRECTOR DIVISION:

I.D. LOCATION: District Wide

ORIGINAL APPROVED DATE:

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$600,000

DESCRIPTION OF PROJECT:

This project is for the retrofit and upgrade of approximately 40 large water meters and vaults to above ground standards.

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Replacement	0 %	0 %	100 %	0 %	100 %
TOTAL:	0 %	0 %	100 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
\$140	\$150	\$150	\$100	\$60	\$0	\$0	\$600

CIP Number: P2521

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	8/1/2011	12/1/2015	\$600

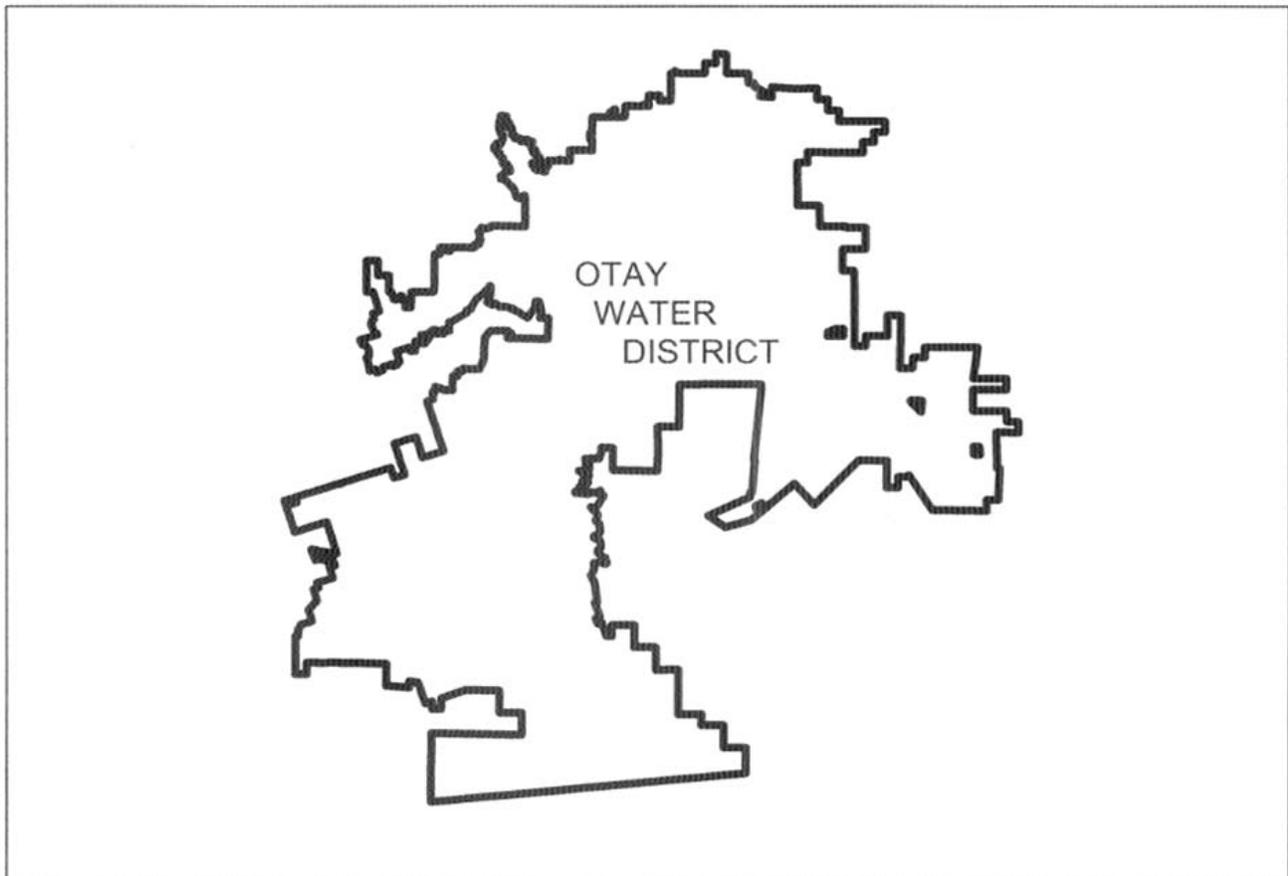
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Tim Keeran

Date: 10/25/2011

PROJECT TITLE: 458-2 Reservoir Interior Coating

CIP Number: P2535

PROJECT MANAGER: Kevin Cameron

DIRECTOR DIVISION: 2

ORIGINAL APPROVED DATE:

I.D. LOCATION: 9

RELATED CIP PROJECTS:

PRIORITY: 2

BUDGET AMOUNT: \$300,000

DESCRIPTION OF PROJECT:

This project provides funding for the interior coating of the 458-2 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 2011 Cathodic Assessment Report, the 458-2 Reservoir interior coating is in relatively poor condition and is in need of replacement.

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Replacement	0 %	0 %	100 %	0 %	100 %
TOTAL:	0 %	0 %	100 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
	\$0	\$5	\$275	\$20	\$0	\$0	\$300

CIP Number: P2535

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	6/1/2013	9/30/2013	\$5
DESIGN:	10/1/2013	12/31/2014	\$45
CONSTRUCTION:	1/1/2014	6/1/2014	\$250

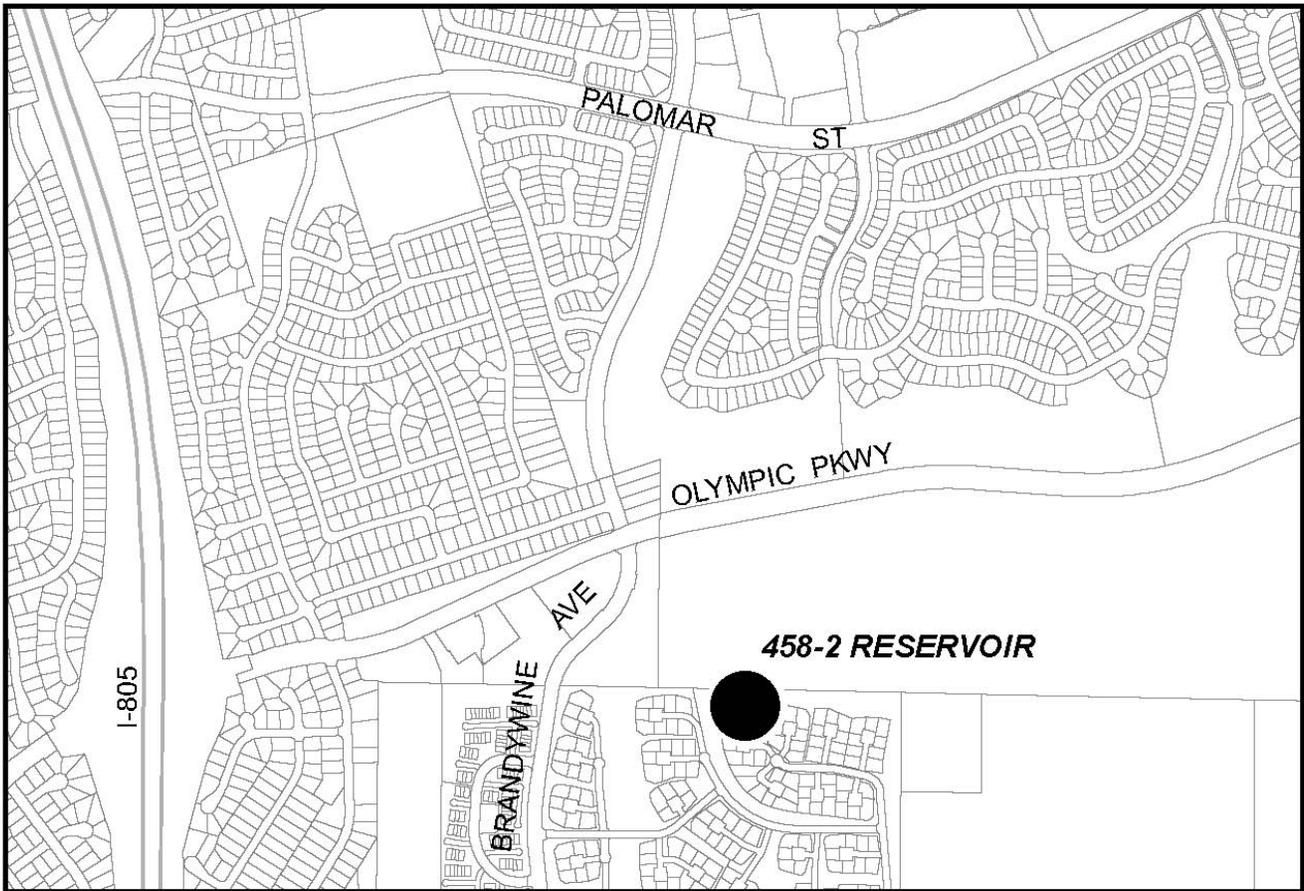
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1330-J4

OWD Map Book: 66



Submitted By: Kevin Cameron

Date: 2/21/2012

PROJECT TITLE: RWCWRF - Upgrades and Modifications		CIP Number: R2096					
PROJECT MANAGER: Daniel Kay		DIRECTOR DIVISION:	3				
ORIGINAL APPROVED DATE: 5/21/2009		I.D. LOCATION:	20				
RELATED CIP PROJECTS:		PRIORITY:	1				
		BUDGET AMOUNT:	\$4,995,000				
DESCRIPTION OF PROJECT:							
<p>This project includes the rehabilitation of the RWCWRF blower system, air pipeline replacement, and filter storage reservoir cover replacement along with the identification and implementation of modifications for optimization of the air system and other treatment systems to control total nitrogen.</p>							
JUSTIFICATION OF PROJECT:							
<p>The existing blowers are old and not efficient and the existing air piping system is leaking due to corrosion. The plant effluent is exceeding its discharge limit for total nitrogen thus the treatment process must be modified and optimized so that all discharge requirements can be met. The existing flexible membrane cover material is damaged and is in need of replacement. Recycled water quality is currently being comprised.</p>							
COMMENTS:							
FUND DETAILS:							
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total		
Replacement	0 %	0 %	100 %	0 %	100 %		
TOTAL:	0 %	0 %	100 %	0 %	100 %		
EXPENDITURE SCHEDULE (X \$1,000):							
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2013	2014	2015	2016	2017	2018	Total
\$4,935	\$60	\$0	\$0	\$0	\$0	\$0	\$4,995

CIP Number: R2096

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2009	9/1/2009	\$40
DESIGN:	10/1/2009	4/1/2011	\$110
CONSTRUCTION:	5/1/2011	6/1/2013	\$4,845

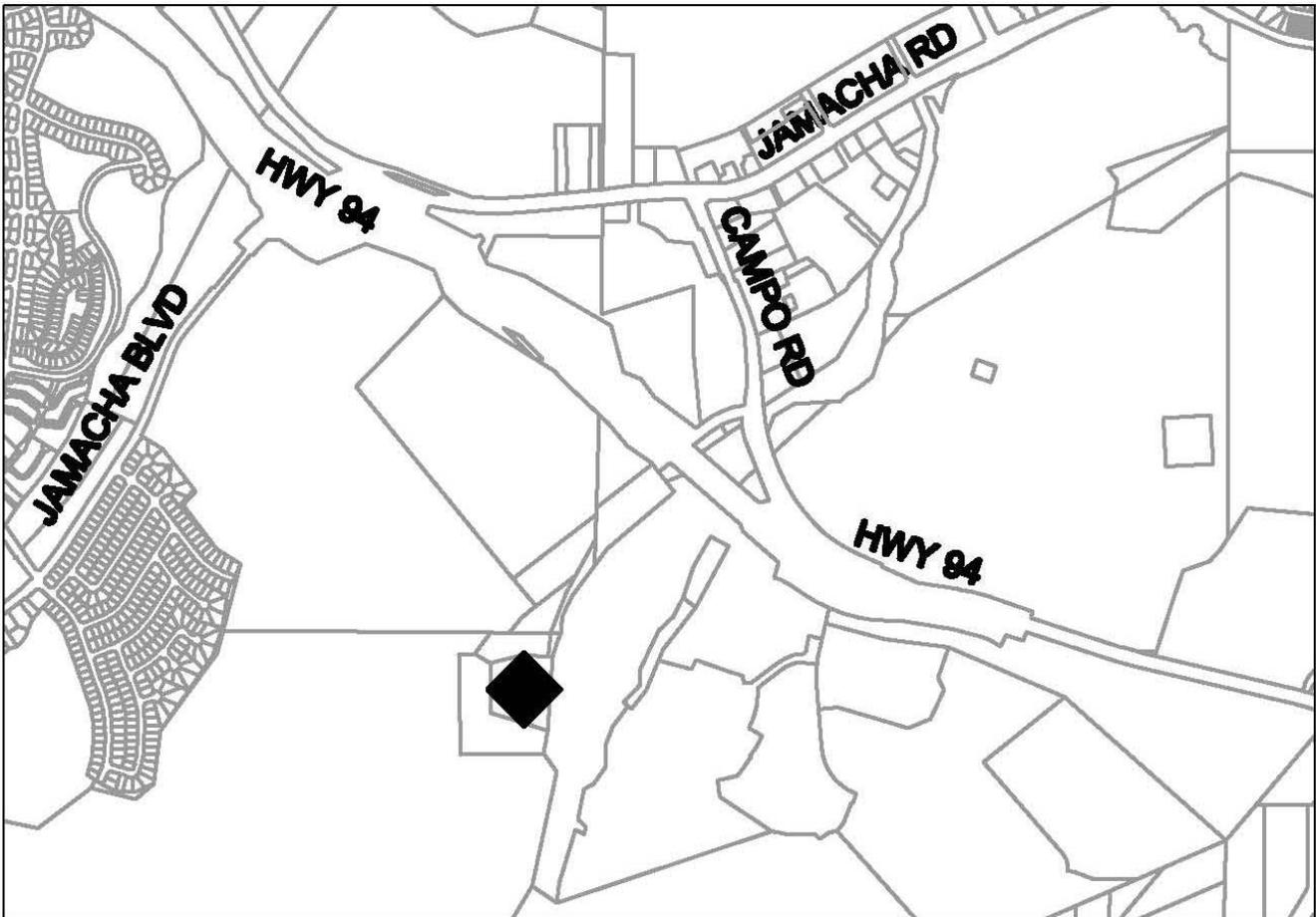
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1271

OWD Map Book: 319



Submitted By: Daniel Kay

Date: 10/26/2011

PROJECT TITLE: Recycled System Air and Vacuum Value Retrofit		CIP Number: R2099					
PROJECT MANAGER: Roger Holly		DIRECTOR DIVISION:	1				
ORIGINAL APPROVED DATE:		I.D. LOCATION:	22				
RELATED CIP PROJECTS:		PRIORITY:	1				
		BUDGET AMOUNT:	\$700,000				
DESCRIPTION OF PROJECT:							
<p>This project is to provide funding for the upgrading of approximately 274 existing recycled water system air and vacuum valves that are presently above grade to below grade installations.</p>							
JUSTIFICATION OF PROJECT:							
<p>Some of the recycled water system existing air and vacuum valves are located in streets, roadways, and other locations that are subject to being struck and damaged by vehicles. Some of these facilities will require extension of the piping outside of the traveled way.</p>							
COMMENTS:							
FUND DETAILS:							
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total		
Replacement	0 %	0 %	100 %	0 %	100 %		
TOTAL:	0 %	0 %	100 %	0 %	100 %		
EXPENDITURE SCHEDULE (X \$1,000):							
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2013	2014	2015	2016	2017	2018	Total
\$234	\$233	\$233	\$0	\$0	\$0	\$0	\$700

CIP Number: R2099

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2011	6/1/2014	\$700
DESIGN:			\$0
CONSTRUCTION:			\$0

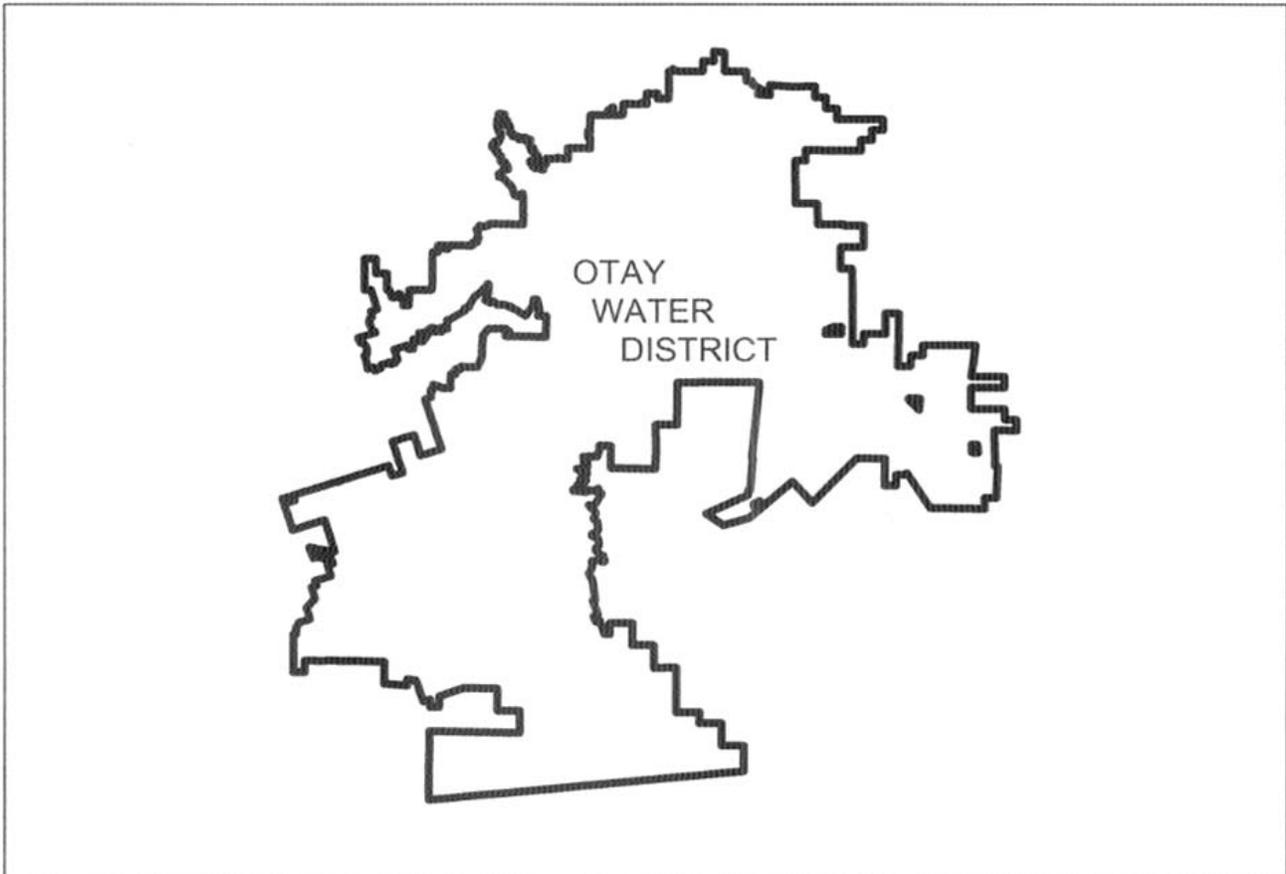
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Roger Holly

Date: 10/26/2011

PROJECT TITLE: San Diego County Sanitation District Outfall and RSD Outfall Replacement

CIP Number: S2012

PROJECT MANAGER: Bob Kennedy	DIRECTOR DIVISION: 3
ORIGINAL APPROVED DATE: 6/4/2003	I.D. LOCATION: 18
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$3,550,000

DESCRIPTION OF PROJECT:

This project provides funding for the Otay Water District proportionate share of the San Diego County Sanitation District 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 San Diego County Sanitation District Spring Valley Outfall and the Rancho San Diego Outfall are in very bad condition and are need of repair and/or replacement.

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Replacement	0 %	0 %	100 %	0 %	100 %
TOTAL:	0 %	0 %	100 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
	\$850	\$100	\$450	\$450	\$450	\$800	\$3,550

CIP Number: S2012

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2003	6/1/2018	\$3,550
DESIGN:			\$0
CONSTRUCTION:			\$0

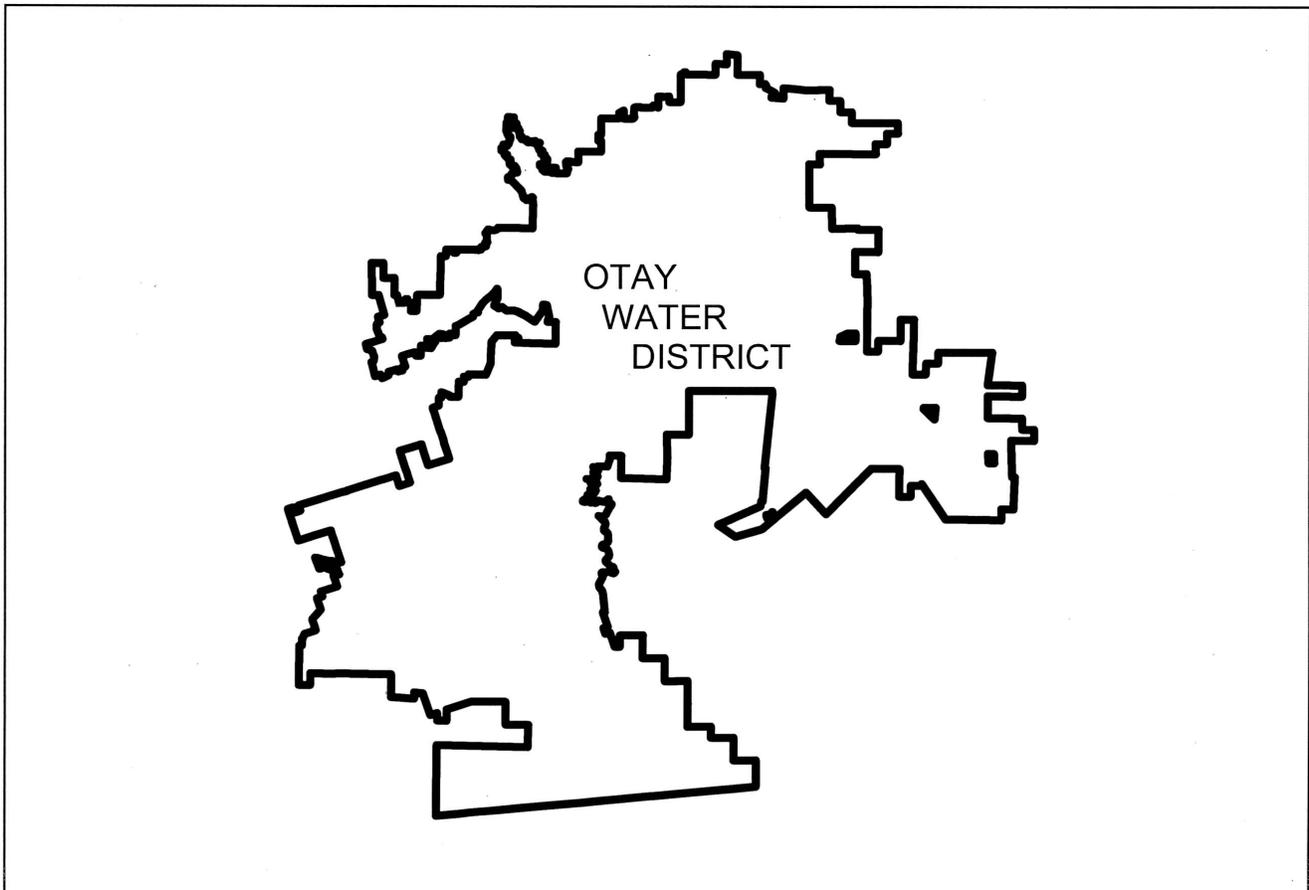
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Bob Kennedy

Date: 10/26/2011

PROJECT TITLE: Avocado Boulevard 8-Inch Sewer Main Improvement

CIP Number: S2019

PROJECT MANAGER: Daniel Kay

DIRECTOR DIVISION: 5

ORIGINAL APPROVED DATE: 5/21/2009

I.D. LOCATION: 18

RELATED CIP PROJECTS:

PRIORITY: 1

BUDGET AMOUNT: \$2,275,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Betterment ID 18	0 %	100 %	0 %	0 %	100 %
TOTAL:	0 %	100 %	0 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
\$900	\$1,375	\$0	\$0	\$0	\$0	\$0	\$2,275

CIP Number: S2019

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2009	2/1/2010	\$65
DESIGN:	3/1/2010	9/1/2010	\$275
CONSTRUCTION:	10/1/2010	12/1/2012	\$1,935

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1271

OWD Map Book: 342



Submitted By: Daniel Kay

Date: 10/26/2011

PROJECT TITLE: Calavo Drive 8-Inch Sewer Main Replacement

CIP Number: S2020

PROJECT MANAGER: Daniel Kay

DIRECTOR DIVISION: 5

ORIGINAL APPROVED DATE: 5/21/2009

I.D. LOCATION: 18

RELATED CIP PROJECTS:

PRIORITY: 1

BUDGET AMOUNT: \$600,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Replacement	0 %	0 %	100 %	0 %	100 %
TOTAL:	0 %	0 %	100 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
	\$390	\$210	\$0	\$0	\$0	\$0	\$600

CIP Number: S2020

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2009	2/1/2010	\$14
DESIGN:	3/1/2010	9/1/2010	\$60
CONSTRUCTION:	10/1/2010	12/1/2012	\$526

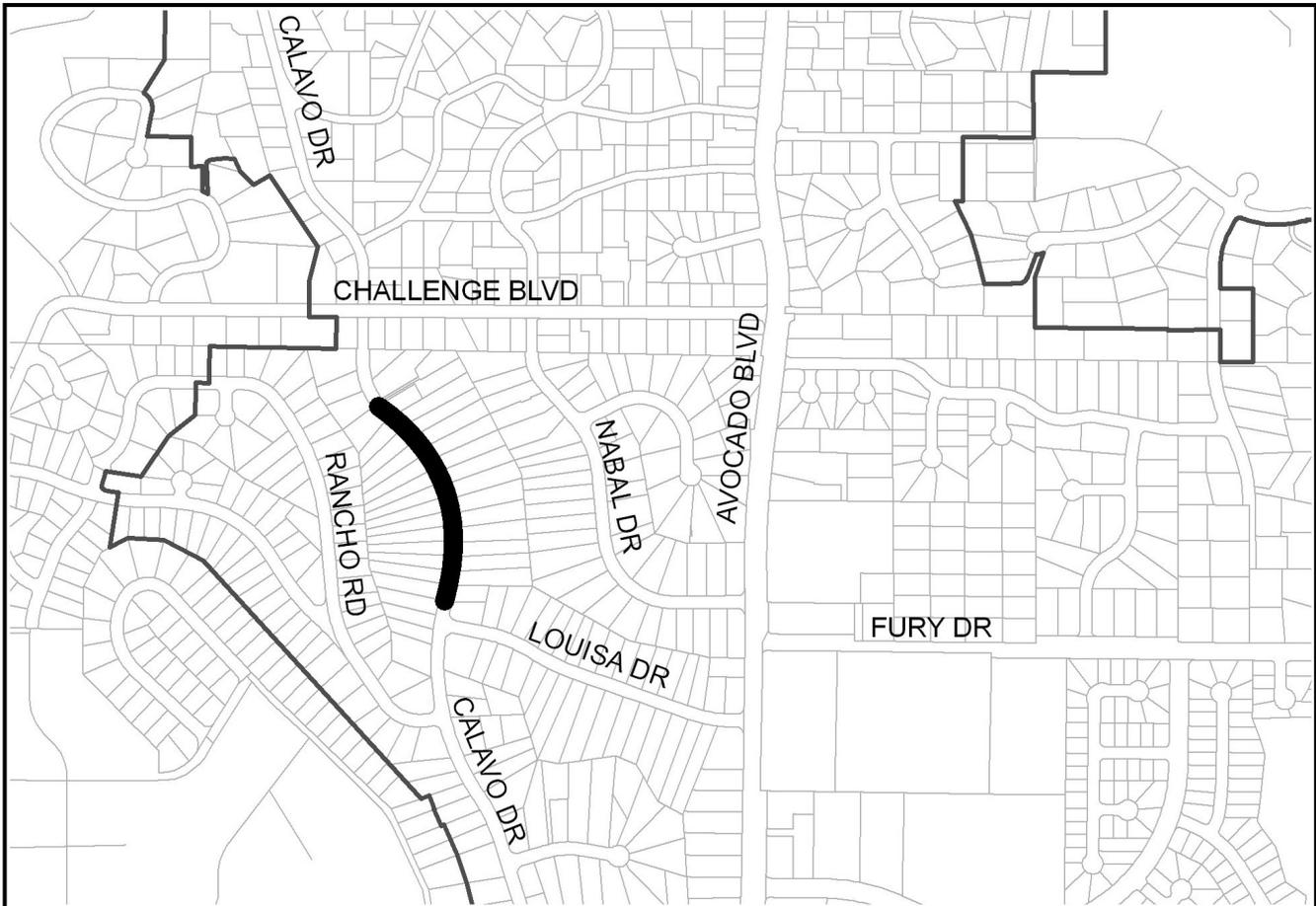
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1271

OWD Map Book: 342



Submitted By: Daniel Kay

Date: 10/26/2011

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

CIP Number: S2022

PROJECT MANAGER: Daniel Kay

DIRECTOR DIVISION: 5

ORIGINAL APPROVED DATE: 5/21/2009

I.D. LOCATION: 18

RELATED CIP PROJECTS:

PRIORITY: 1

BUDGET AMOUNT: \$180,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Betterment ID 18	0 %	100 %	0 %	0 %	100 %
TOTAL:	0 %	100 %	0 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
\$130	\$50	\$0	\$0	\$0	\$0	\$0	\$180

CIP Number: S2022

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2009	2/1/2010	\$2
DESIGN:	3/1/2010	9/1/2010	\$40
CONSTRUCTION:	10/1/2010	12/1/2012	\$138

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1272

OWD Map Book: 368



Submitted By: Daniel Kay

Date: 10/26/2011

PROJECT TITLE: Calavo Drive Sewer Main Utility Relocation

CIP Number: S2023

PROJECT MANAGER: Daniel Kay

DIRECTOR DIVISION: 5

ORIGINAL APPROVED DATE: 5/21/2009

I.D. LOCATION: 14

RELATED CIP PROJECTS:

PRIORITY: 1

BUDGET AMOUNT: \$80,000

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 Water District will be responsible for the cost to replace the sewer main.

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Replacement	0 %	0 %	100 %	0 %	100 %
TOTAL:	0 %	0 %	100 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
	\$20	\$60	\$0	\$0	\$0	\$0	\$80

CIP Number: S2023

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2009	9/1/2009	\$2
DESIGN:	10/1/2009	6/30/2012	\$18
CONSTRUCTION:	7/1/2012	2/28/2013	\$60

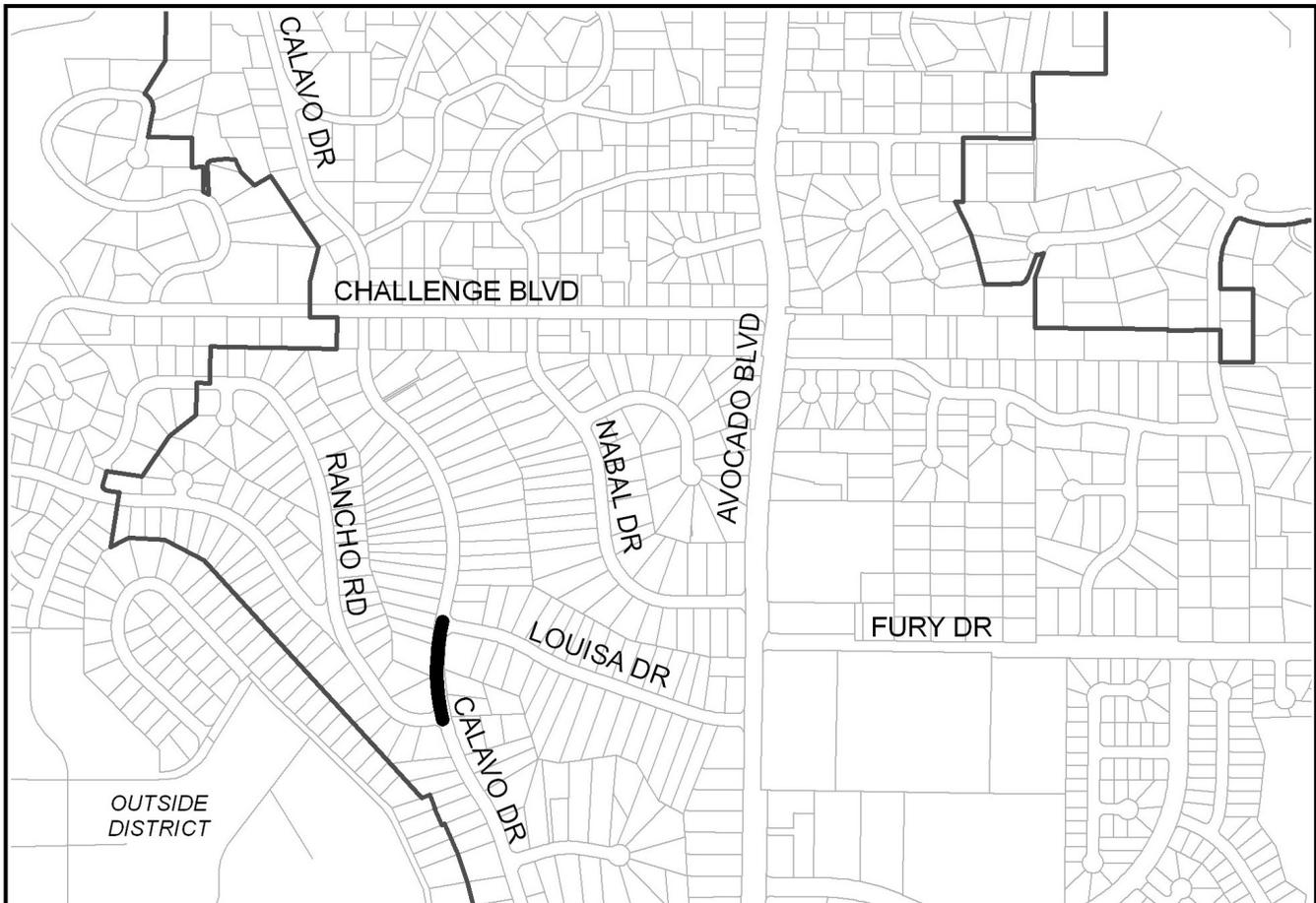
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1271

OWD Map Book: 342



Submitted By: Daniel Kay

Date: 10/26/2011

PROJECT TITLE: Campo Road Sewer Main Replacement

CIP Number: S2024

PROJECT MANAGER: Kevin Cameron

DIRECTOR DIVISION: 3

ORIGINAL APPROVED DATE: 5/17/2010

I.D. LOCATION: 18

RELATED CIP PROJECTS:

PRIORITY: 2

BUDGET AMOUNT: \$5,500,000

DESCRIPTION OF PROJECT:

This project provides funds to upgrade the sewer main capacity of approximately 11,050 feet of existing 10-inch PVC sewer main, 450 feet of 10-inch reinforced polymer mortar pipe sewer main, and 50 feet of 15-inch sewer main. The project location begins at the south end of Avocado Blvd, through the Rancho San Diego Village Shopping Center, paralleling SR-94/Campo Road in the adjacent open space.

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Betterment ID 18	0 %	100 %	0 %	0 %	100 %
TOTAL:	0 %	100 %	0 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY							
TOTAL	2013	2014	2015	2016	2017	2018	Total	
	\$5	\$50	\$275	\$1,250	\$3,120	\$800	\$0	\$5,500

CIP Number: S2024

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2010	12/1/2012	\$175
DESIGN:	1/1/2012	1/1/2014	\$725
CONSTRUCTION:	2/1/2015	6/1/2017	\$4,600

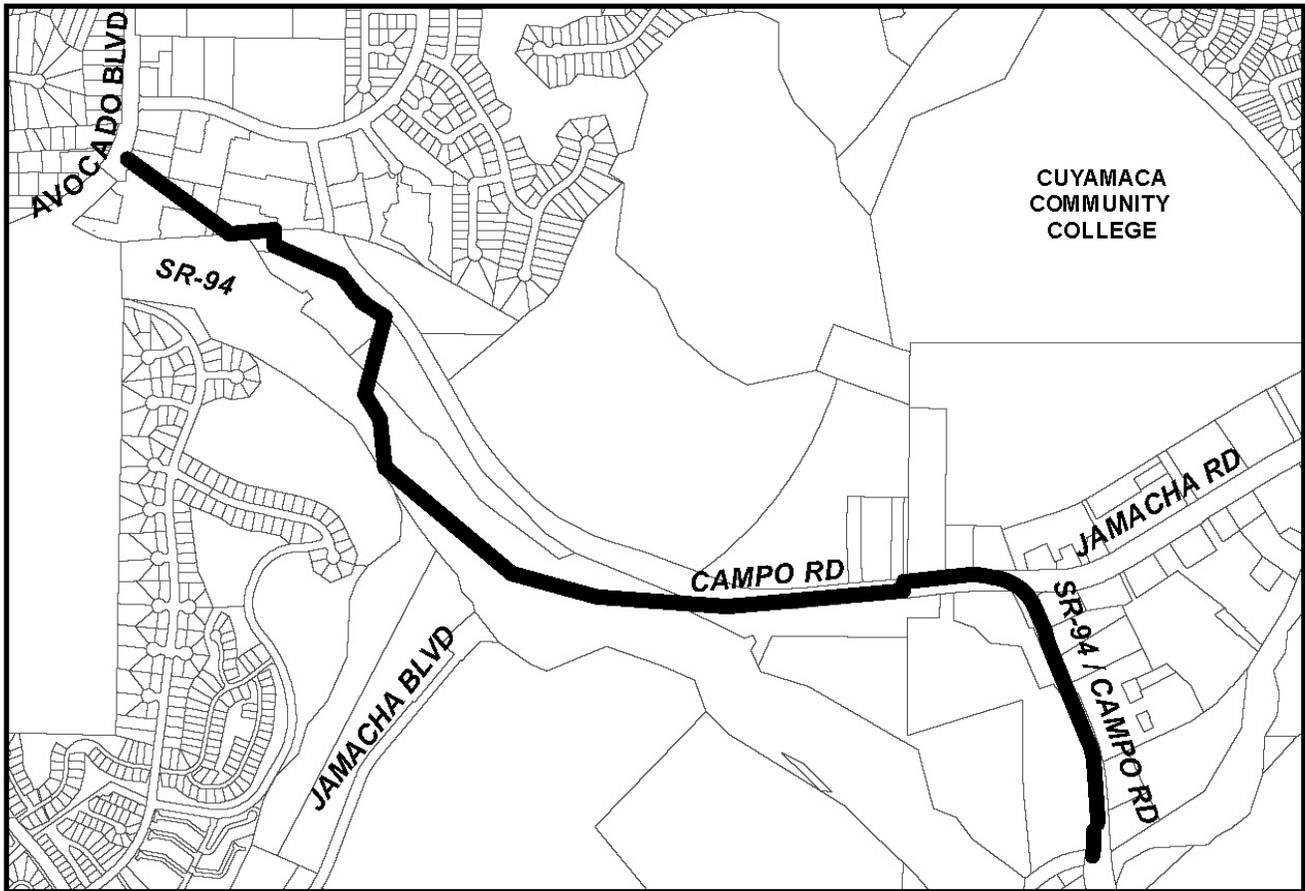
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1271

OWD Map Book: 330



Submitted By: Kevin Cameron

Date: 10/26/2011

PROJECT TITLE: Challenge Boulevard 8-Inch Sewer Main Replacement

CIP Number: S2026

PROJECT MANAGER: Daniel Kay	DIRECTOR DIVISION: 5
ORIGINAL APPROVED DATE:	I.D. LOCATION: 14
RELATED CIP PROJECTS:	PRIORITY: 2
	BUDGET AMOUNT: \$280,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Replacement	0 %	0 %	100 %	0 %	100 %
TOTAL:	0 %	0 %	100 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
	\$125	\$155	\$0	\$0	\$0	\$0	\$280

CIP Number: S2026

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2011	9/30/2011	\$2
DESIGN:	10/1/2011	12/31/2011	\$30
CONSTRUCTION:	1/1/2012	5/1/2013	\$248

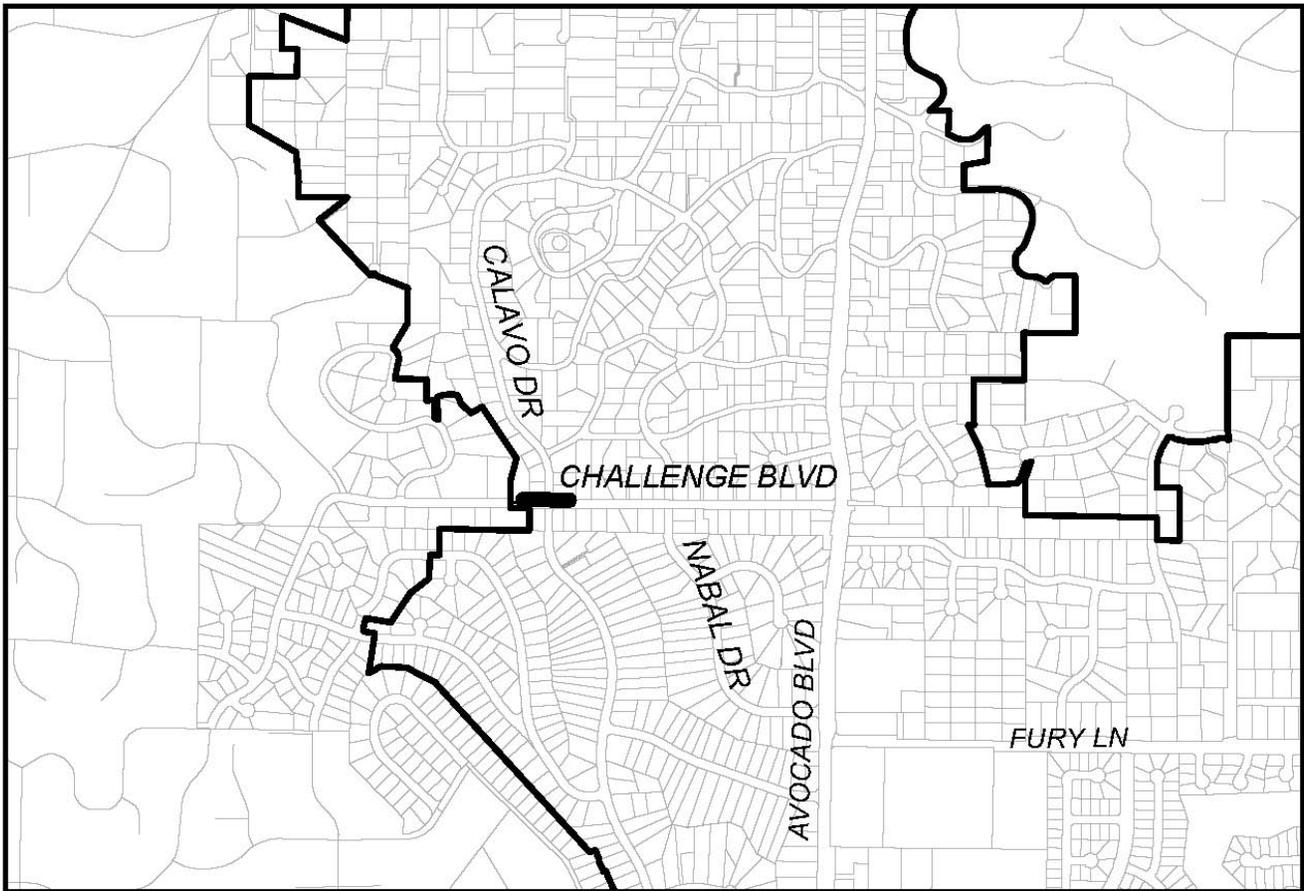
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1271

OWD Map Book: 354



Submitted By: Daniel Kay

Date: 10/26/2011

PROJECT TITLE: Rancho San Diego Pump Station Rehabilitation		CIP Number: S2027					
PROJECT MANAGER: Bob Kennedy		DIRECTOR DIVISION: 3		I.D. LOCATION: 18		PRIORITY: 2	
ORIGINAL APPROVED DATE:		BUDGET AMOUNT: \$2,800,000					
RELATED CIP PROJECTS:							
DESCRIPTION OF PROJECT:							
This project provides funding for the rehabilitation of the Rancho San Diego Pump Station located near Singer Lane.							
JUSTIFICATION OF PROJECT:							
The existing sewer pump station is over 20 years old and the pumps have reached the end of their useful lives. The pump station also needs improvements to bring the station up to current OSHA requirements.							
COMMENTS:							
FUND DETAILS:							
FUNDING SOURCE:		Expansion	Betterment	Replacement	New Water Supply	Total	
Replacement		0 %	0 %	100 %	0 %	100 %	
TOTAL:		0 %	0 %	100 %	0 %	100 %	
EXPENDITURE SCHEDULE (X \$1,000):							
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2013	2014	2015	2016	2017	2018	Total
\$10	\$300	\$2,490	\$0	\$0	\$0	\$0	\$2,800

CIP Number: S2027

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2011	6/1/2012	\$5
DESIGN:	7/1/2012	12/1/2012	\$50
CONSTRUCTION:	1/1/2013	9/1/2014	\$2,745

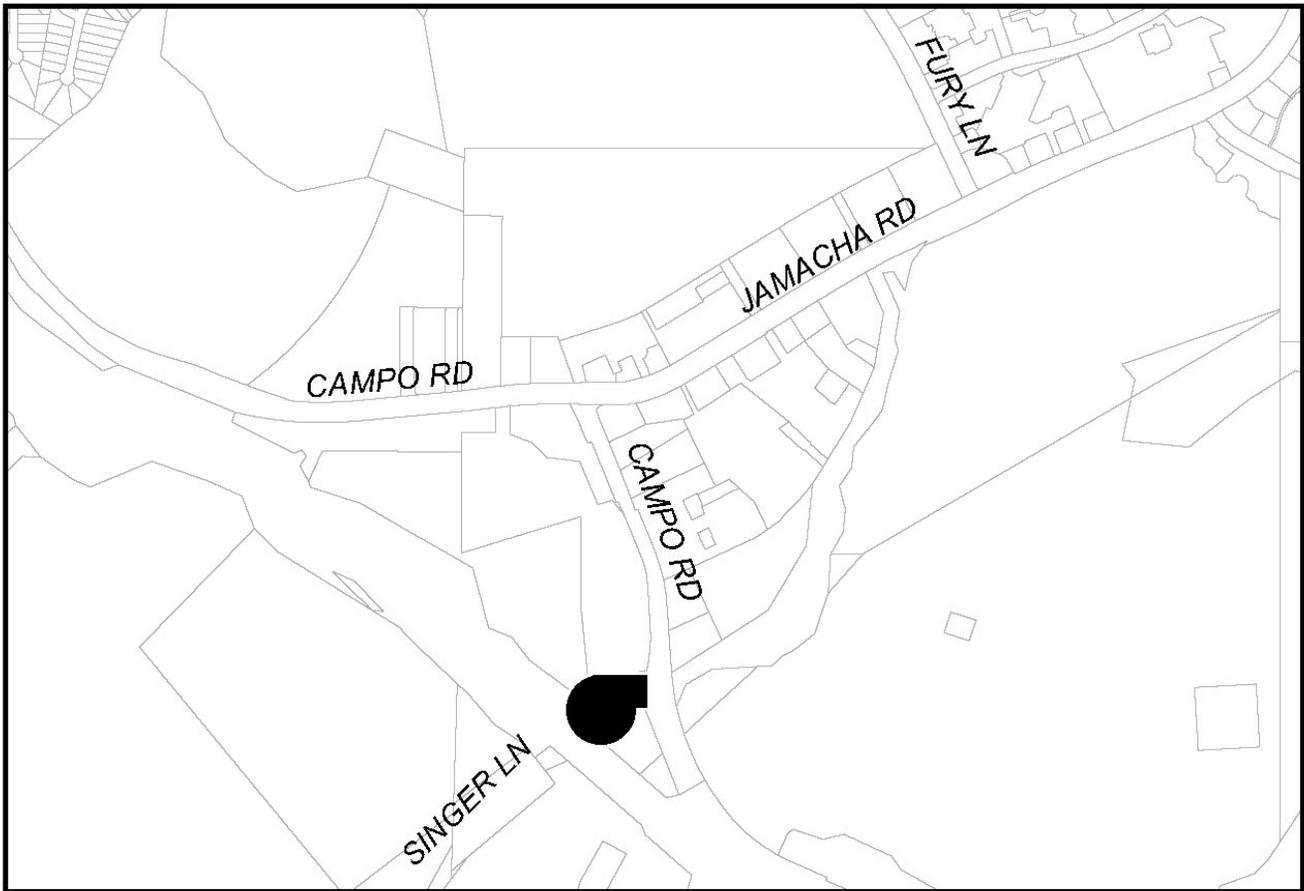
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1271

OWD Map Book: 331



Submitted By: Bob Kennedy

Date: 10/26/2011

PROJECT TITLE: Explorer Way 8-Inch Sewer Main Replacement

CIP Number: S2028

PROJECT MANAGER: Jeff Marchioro

DIRECTOR DIVISION: 5

ORIGINAL APPROVED DATE:

I.D. LOCATION: 18

RELATED CIP PROJECTS:

PRIORITY: 2

BUDGET AMOUNT: \$125,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Replacement	0 %	0 %	100 %	0 %	100 %
TOTAL:	0 %	0 %	100 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
\$8	\$1	\$1	\$30	\$60	\$25	\$0	\$125

CIP Number: S2028

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2011	12/31/2014	\$15
DESIGN:	1/1/2015	7/1/2015	\$25
CONSTRUCTION:	9/1/2015	9/1/2016	\$85

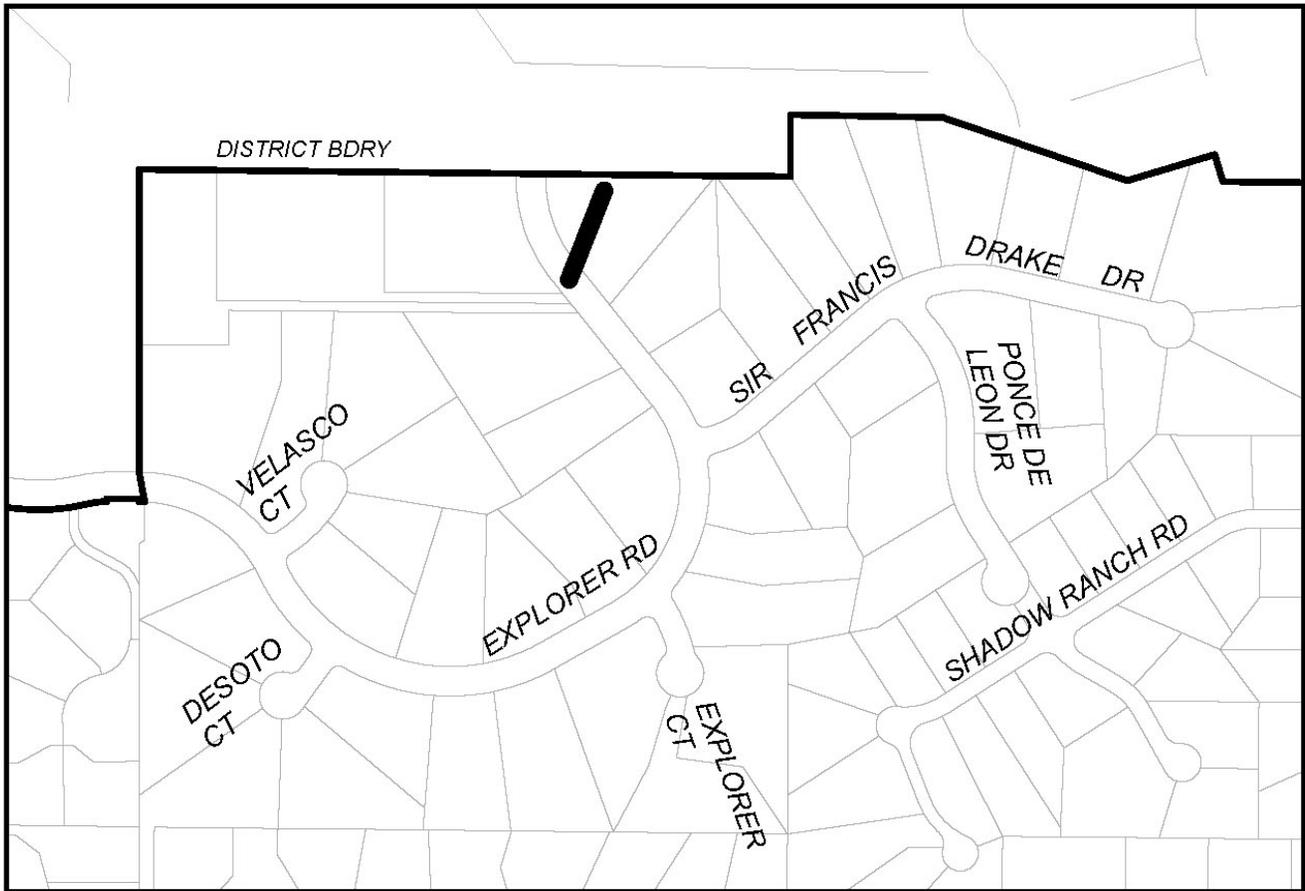
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1271

OWD Map Book: 354



Submitted By: Jeff Marchioro

Date: 10/26/2011

PROJECT TITLE: Sewer System Various Locations Rehabilitation		CIP Number: S2033					
PROJECT MANAGER: Jeff Marchioro		DIRECTOR DIVISION:	5				
ORIGINAL APPROVED DATE:		I.D. LOCATION:	18				
RELATED CIP PROJECTS: S2040/S2041		PRIORITY:	2				
		BUDGET AMOUNT:	\$800,000				
DESCRIPTION OF PROJECT:							
<p>This project provides funding for various sewer system rehabilitation efforts that have been identified. These efforts involve replacement of various very short segments of damaged sewer main, separated pipe joints, etc.</p>							
JUSTIFICATION OF PROJECT:							
<p>The closed circuit television sewer assessment program process have assisted in the identification of sewer mains that are damaged and need to be repaired.</p>							
COMMENTS:							
FUND DETAILS:							
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total		
Replacement	0 %	0 %	100 %	0 %	100 %		
TOTAL:	0 %	0 %	100 %	0 %	100 %		
EXPENDITURE SCHEDULE (X \$1,000):							
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2013	2014	2015	2016	2017	2018	Total
\$30	\$200	\$420	\$150	\$0	\$0	\$0	\$800

CIP Number: S2033

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2011	6/1/2013	\$50
DESIGN:	7/1/2012	7/1/2013	\$225
CONSTRUCTION:	9/1/2013	9/1/2015	\$525

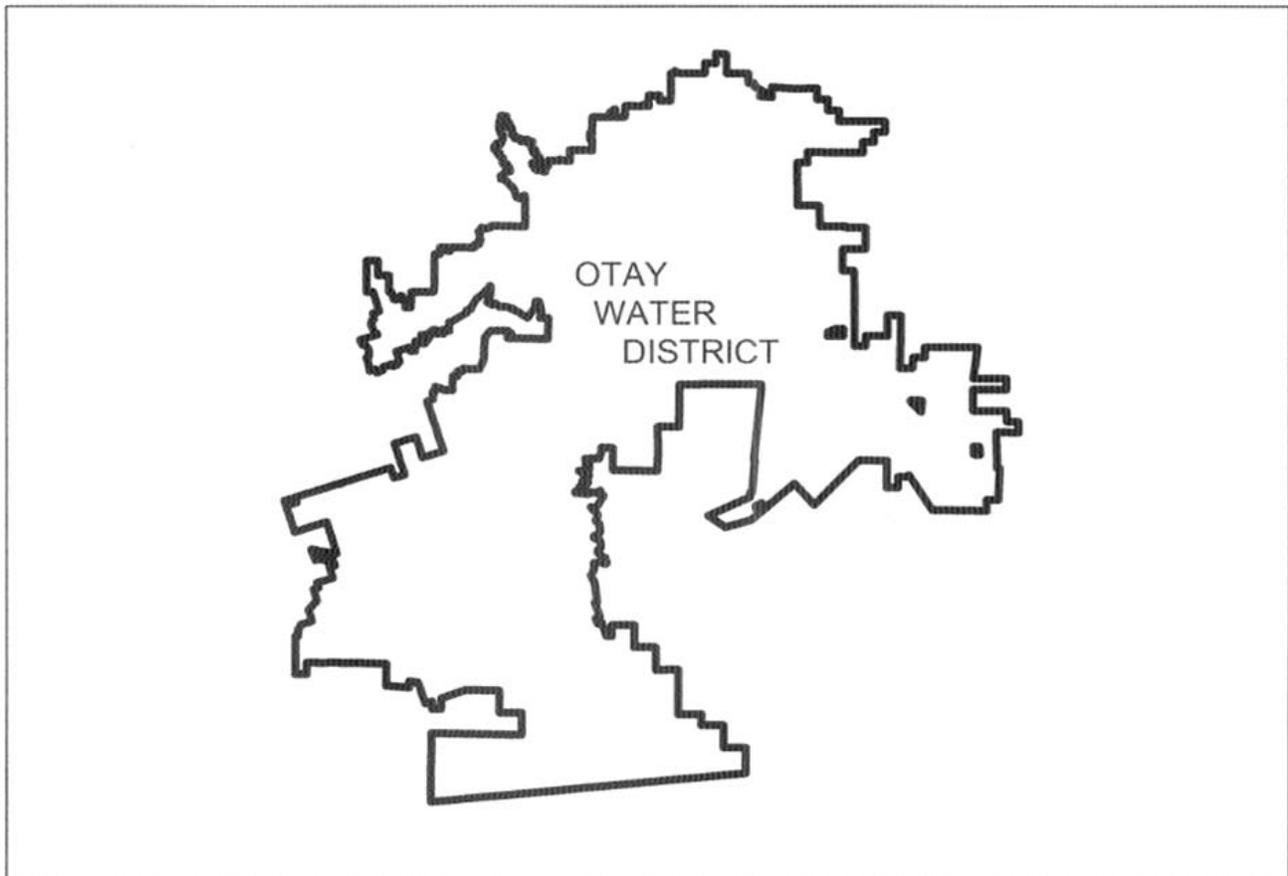
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Jeff Marchioro

Date: 10/27/2011

PROJECT TITLE: Calavo Sewer Basin Improvements		CIP Number: S2040					
PROJECT MANAGER: Jeff Marchioro		DIRECTOR DIVISION:	5				
ORIGINAL APPROVED DATE:		I.D. LOCATION:	18				
RELATED CIP PROJECTS: S2033		PRIORITY:	1				
		BUDGET AMOUNT:	\$1,250,000				
DESCRIPTION OF PROJECT:							
<p>This project provides funding for various sewer system rehabilitation efforts that have been identified. These efforts involve replacement of approximately 3,000 lineal feet of various failing or damaged pipe segments, separated pipe joints, etc.</p>							
JUSTIFICATION OF PROJECT:							
<p>The closed circuit television sewer assessment program process has assisted in the identification of sewer mains containing sags, which has allowed debris to form, and/or are damaged and need to be repaired.</p>							
COMMENTS:							
FUND DETAILS:							
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total		
Replacement	0 %	0 %	100 %	0 %	100 %		
TOTAL:	0 %	0 %	100 %	0 %	100 %		
EXPENDITURE SCHEDULE (X \$1,000):							
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2013	2014	2015	2016	2017	2018	Total
\$0	\$275	\$525	\$450	\$0	\$0	\$0	\$1,250

CIP Number: S2040

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2012	12/31/2012	\$75
DESIGN:	1/1/2013	7/1/2013	\$200
CONSTRUCTION:	9/1/2013	9/1/2014	\$975

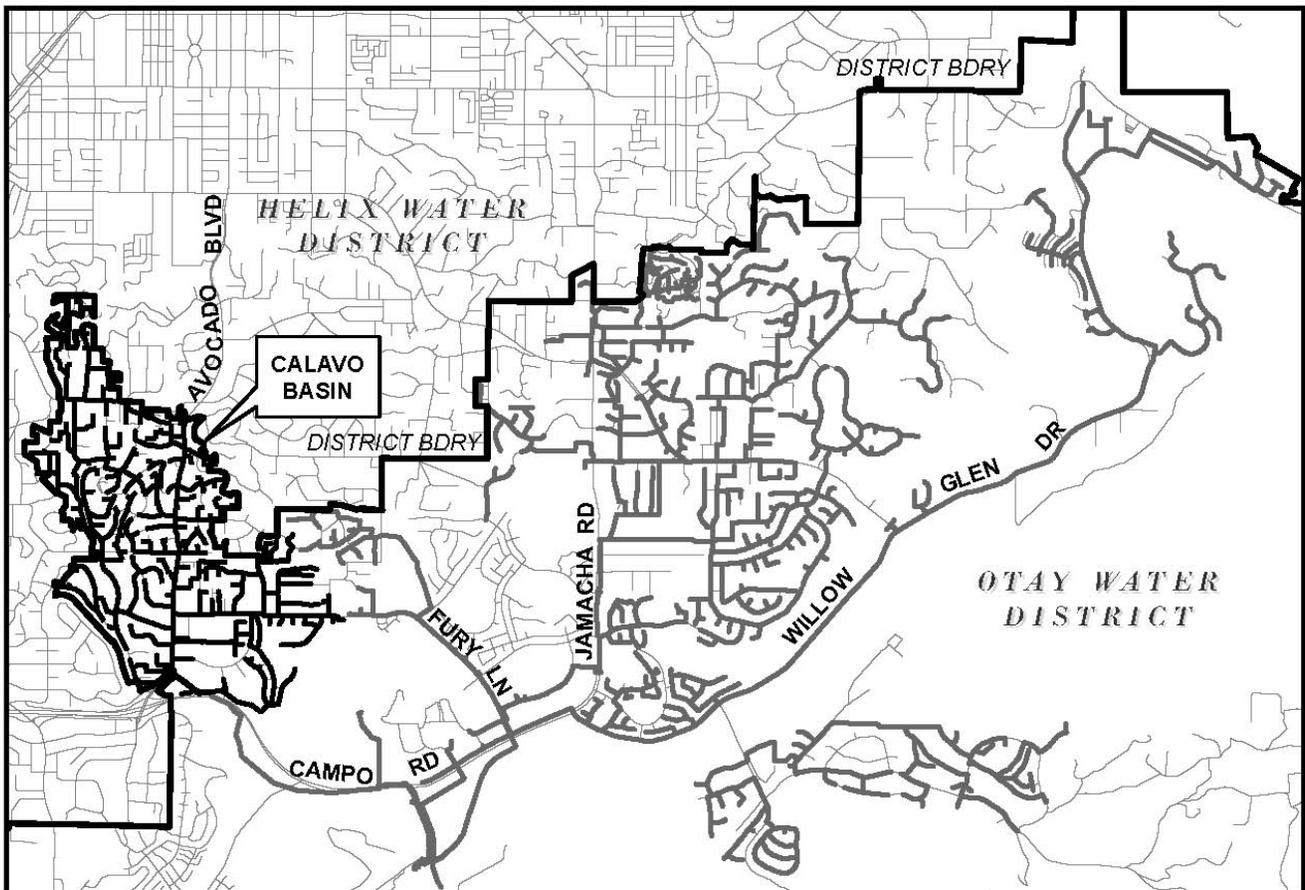
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1271

OWD Map Book: 342S, 353S,
354S, 36



Submitted By: Jeff Marchioro

Date: 2/15/2012

PROJECT TITLE: Rancho San Diego Sewer Basin Improvements		CIP Number: S2041					
PROJECT MANAGER: Jeff Marchioro		DIRECTOR DIVISION:	5				
ORIGINAL APPROVED DATE:		I.D. LOCATION:	18				
RELATED CIP PROJECTS: S2033		PRIORITY:	2				
		BUDGET AMOUNT:	\$1,750,000				
DESCRIPTION OF PROJECT:							
<p>This project provides funding for various sewer system rehabilitation efforts that have been identified. These efforts involve replacement of approximately 4,000 lineal feet of various failing or damaged pipe segments, separated pipe joints, etc.</p>							
JUSTIFICATION OF PROJECT:							
<p>The closed circuit television sewer assessment program process has assisted in the identification of sewer mains containing sags, which has allowed debris to form, and/or are damaged and need to be repaired.</p>							
COMMENTS:							
FUND DETAILS:							
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total		
Replacement	0 %	0 %	100 %	0 %	100 %		
TOTAL:	0 %	0 %	100 %	0 %	100 %		
EXPENDITURE SCHEDULE (X \$1,000):							
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2013	2014	2015	2016	2017	2018	Total
\$0	\$40	\$75	\$235	\$800	\$600	\$0	\$1,750

CIP Number: S2041

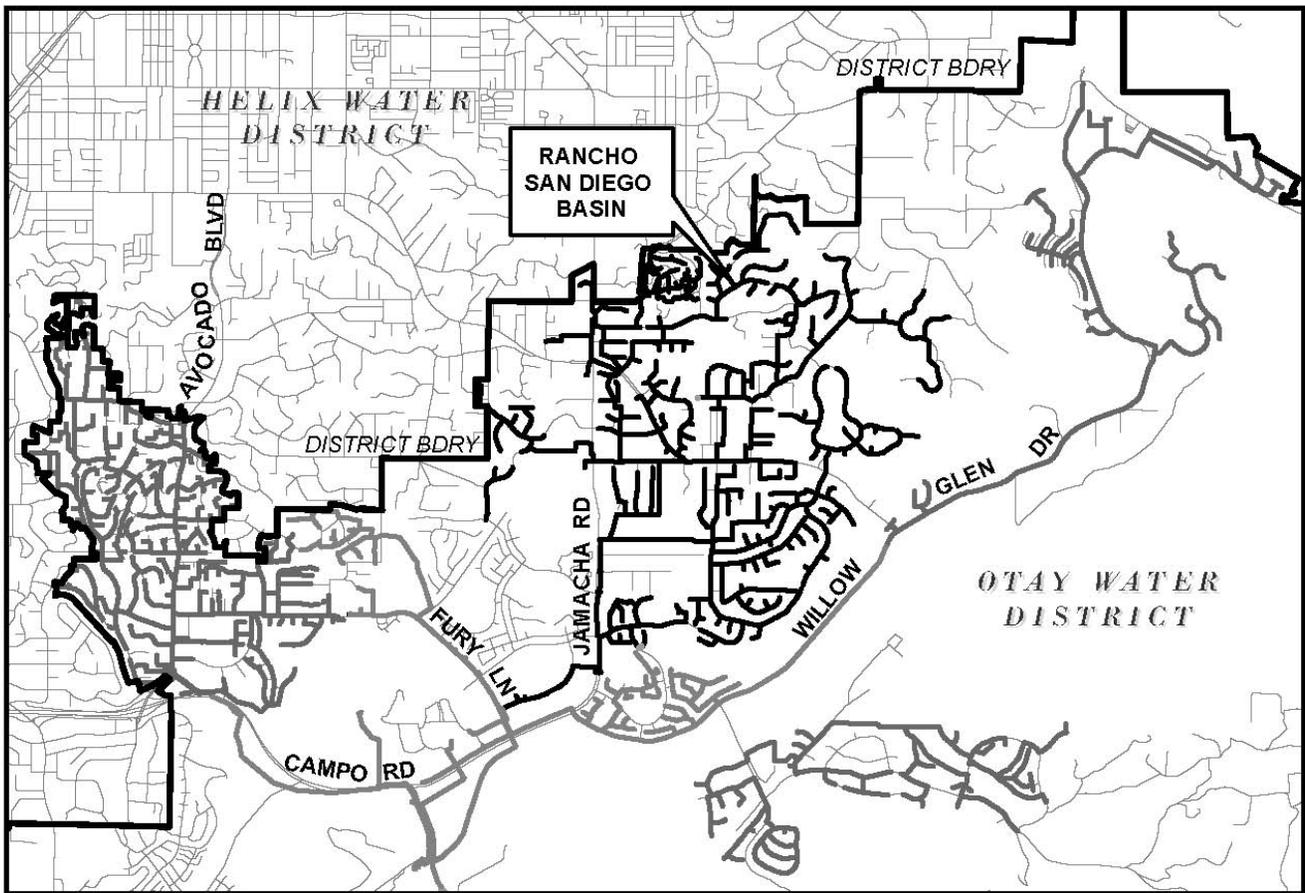
PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2012	12/31/2013	\$100
DESIGN:	1/1/2014	7/1/2015	\$250
CONSTRUCTION:	9/1/2015	9/1/2016	\$1,400

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION: Thomas Bros. Map: 1271, 1252, 1272 OWD Map Book: 344S, 356S, 357S, 36



Submitted By: Jeff Marchioro

Date: 2/15/2012

PROJECT TITLE: Vehicle Capital Purchases

CIP Number: P2282

PROJECT MANAGER: Doug Rahders

DIRECTOR DIVISION:

I.D. LOCATION: District Wide

ORIGINAL APPROVED DATE: 6/3/1996

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$5,021,000

DESCRIPTION OF PROJECT:

This project provides funding for capital purchase of various vehicles for daily Otay Water District functions.

JUSTIFICATION OF PROJECT:

Replacements or newly acquired vehicles will be used for operational and administrative functions throughout the entire Otay Water District.

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Replacement	0 %	0 %	100 %	0 %	100 %
TOTAL:	0 %	0 %	100 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
\$2,829	\$49	\$392	\$400	\$425	\$450	\$476	\$5,021

CIP Number: P2282

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	12/1/2000	6/1/2018	\$5,021
DESIGN:			\$0
CONSTRUCTION:			\$0

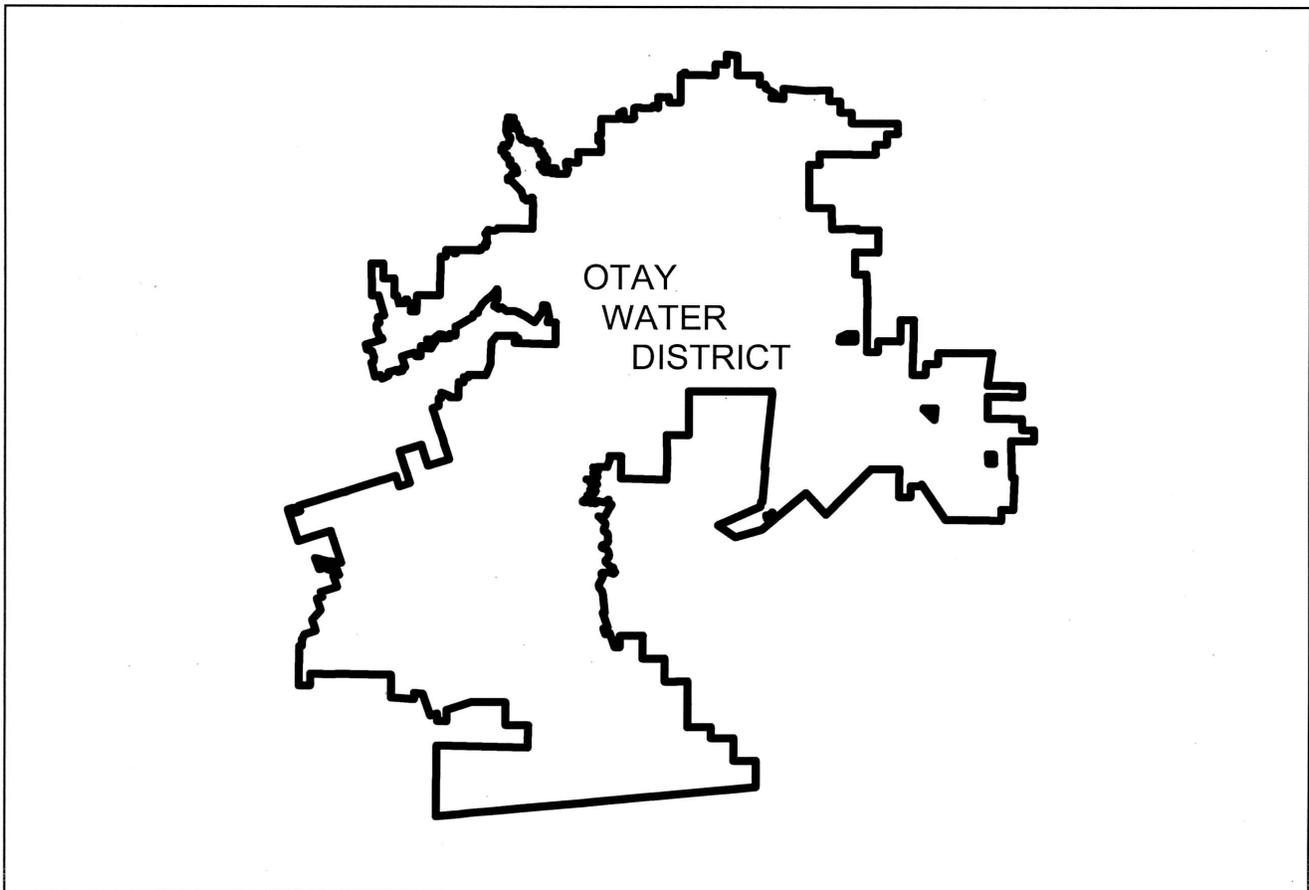
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Doug Rahders

Date: 10/19/2011

PROJECT TITLE: Field Equipment Capital Purchases

CIP Number: P2286

PROJECT MANAGER: Doug Rahders

DIRECTOR DIVISION:

I.D. LOCATION: District Wide

ORIGINAL APPROVED DATE: 6/3/1996

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$1,758,000

DESCRIPTION OF PROJECT:

This project provides funding for capital purchase of various pieces of field equipment used for daily Otay Water District functions.

JUSTIFICATION OF PROJECT:

Replacements or new acquisitions of field equipment will be used for operational functions throughout the entire Otay Water District.

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Replacement	0 %	0 %	100 %	0 %	100 %
TOTAL:	0 %	0 %	100 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
\$1,254	\$115	\$90	\$75	\$74	\$75	\$75	\$1,758

CIP Number: P2286

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	12/1/2000	6/1/2018	\$1,758
DESIGN:			\$0
CONSTRUCTION:			\$0

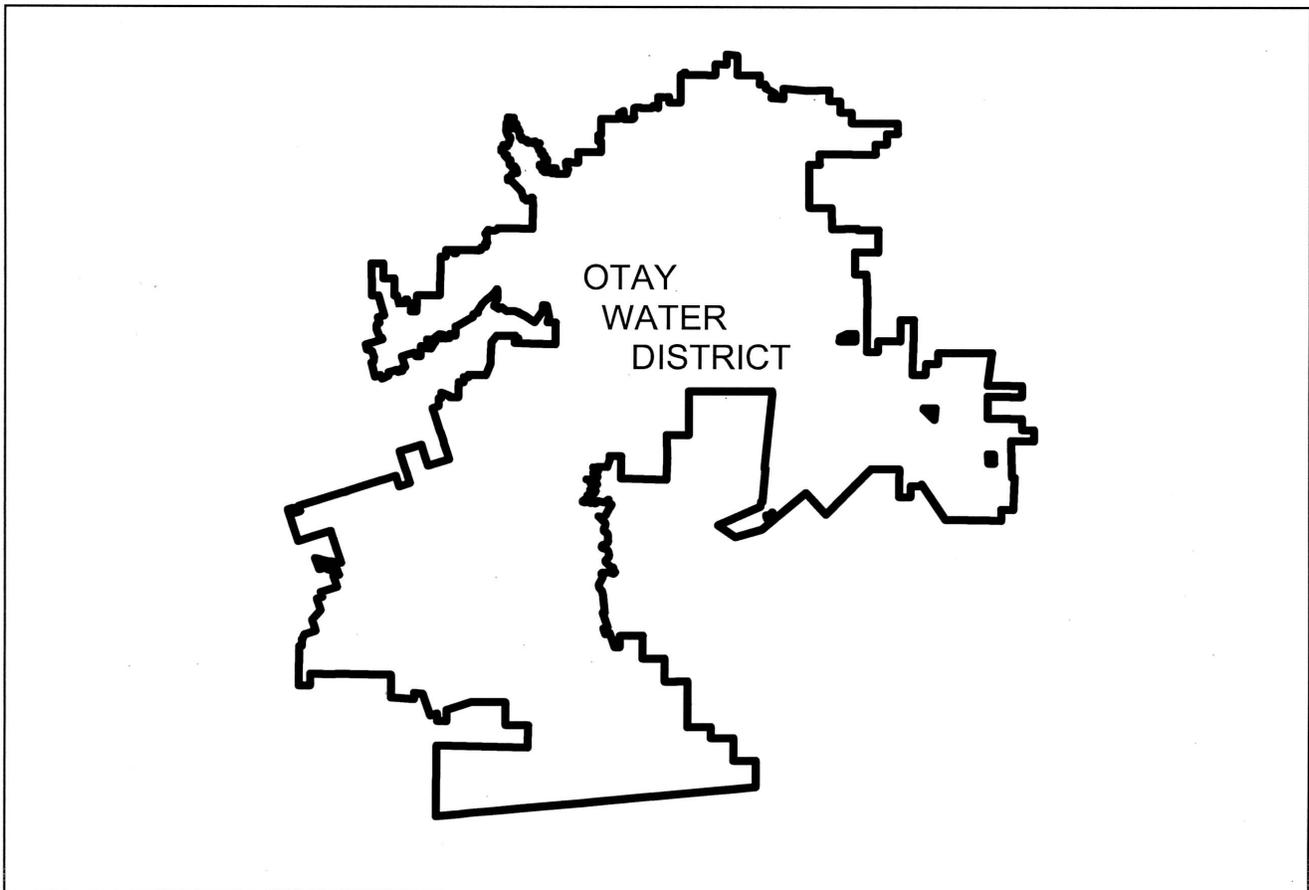
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Doug Rahders

Date: 10/19/2011

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE: Wireless Communications System		CIP Number: P2443	
		DIRECTOR DIVISION:	
PROJECT MANAGER:	Geoff Stevens	I.D. LOCATION:	District-Wide
ORIGINAL APPROVED DATE:	5/23/2005	PRIORITY:	1
RELATED CIP PROJECTS:		BUDGET AMOUNT:	\$1,492,000

DESCRIPTION OF PROJECT:
Install hardware to provide wireless communication infrastructure to district facilities.

JUSTIFICATION OF PROJECT:
The Otay Water District 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:
In Fiscal Year 2012 we refocused our effort on better security for the Treatment Plant and finishing the systems in the North District. This delayed our expansion to the South District so the bulk of these funds have been transferred from Fiscal Year 2012 to Fiscal Year 2013. This is not an increase in funding.

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Expansion	40 %	0 %	0 %	0 %	40 %
Replacement	0 %	0 %	60 %	0 %	60 %
TOTAL:	40 %	0 %	60 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2013	2014	2015	2016	2017	2018	Total
	\$1,162	\$200	\$130	\$0	\$0	\$0	\$0
							\$1,492

CIP Number: P2443

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2005	6/1/2018	\$1,492
DESIGN:			\$0
CONSTRUCTION:			\$0

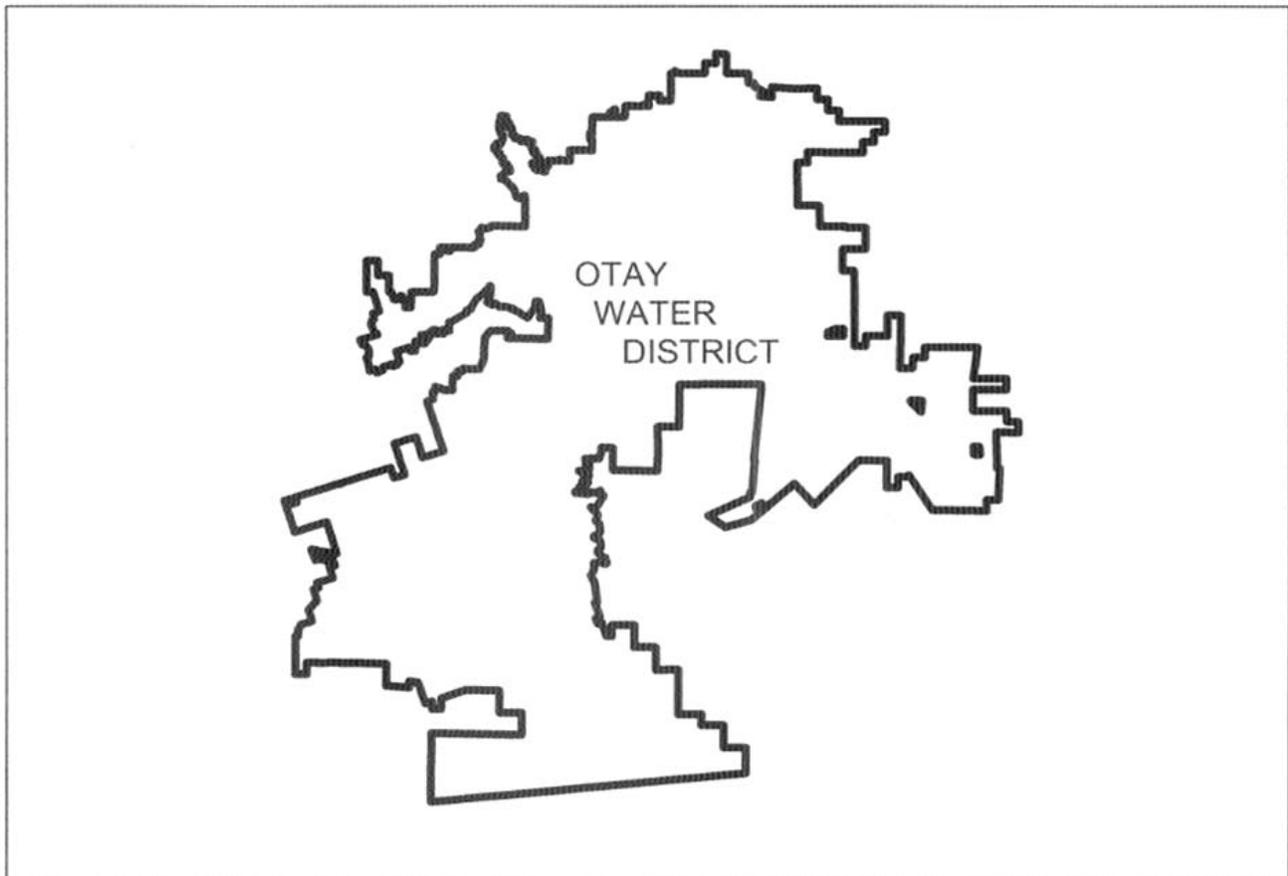
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$18,000	\$18,500	\$19,100	\$0	\$55,600
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Geoff Stevens

Date: 4/13/2011

PROJECT TITLE: Records Management System Upgrade 2

CIP Number: P2461

PROJECT MANAGER: Geoff Stevens

DIRECTOR DIVISION:

I.D. LOCATION: District Wide

ORIGINAL APPROVED DATE: 5/29/2007

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$475,000

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 Water District departments. This includes the implementation and record conversion costs.

JUSTIFICATION OF PROJECT:

This project is required to achieve strategic objectives for business process improvements and to meet the demands for business backup and recovery goals. Funding will be used to complete the inclusion of existing files and modify software to improve functionality.

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Expansion	40 %	0 %	0 %	0 %	40 %
Replacement	0 %	0 %	60 %	0 %	60 %
TOTAL:	40 %	0 %	60 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
	\$385	\$90	\$0	\$0	\$0	\$0	\$475

CIP Number: P2461

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2007	6/1/2018	\$475
DESIGN:			\$0
CONSTRUCTION:			\$0

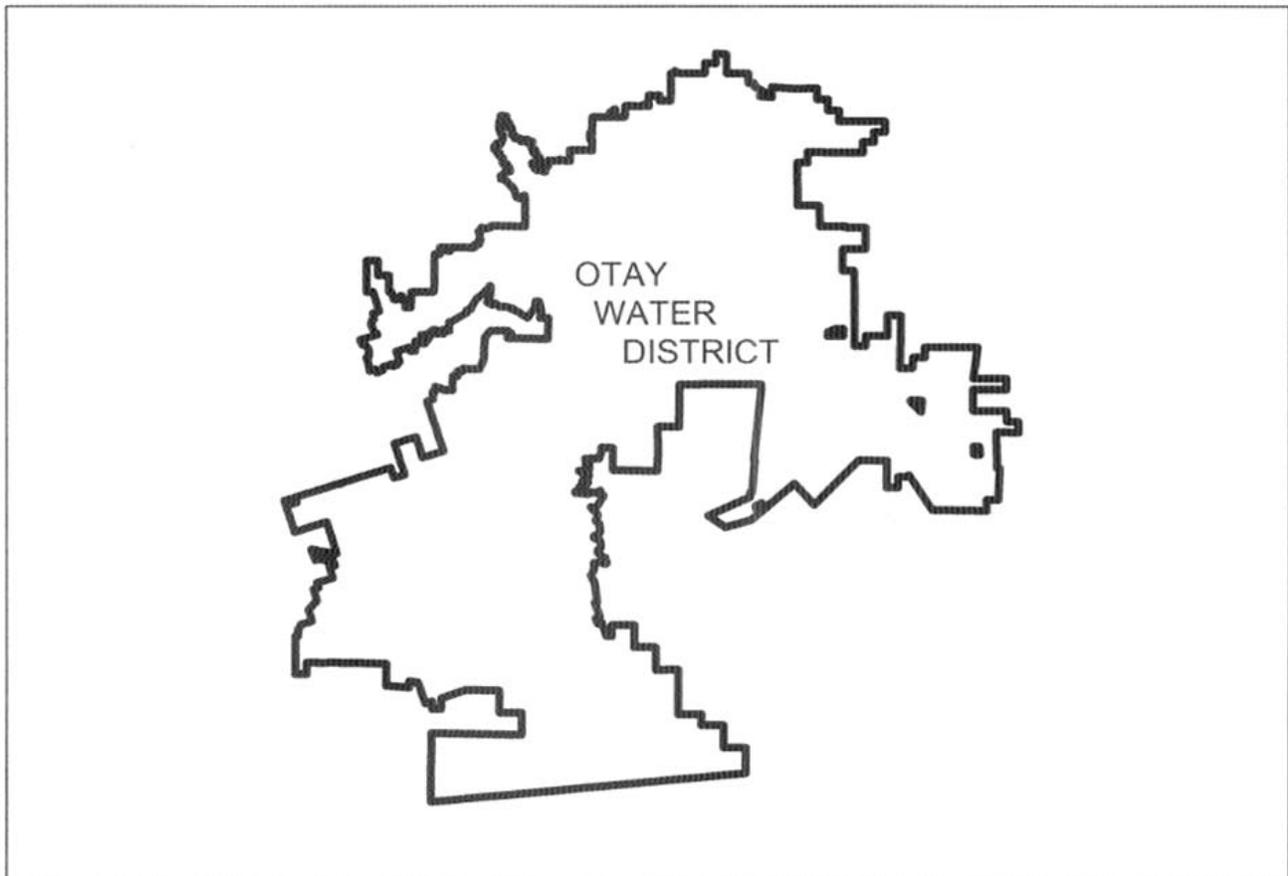
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Geoff Stevens

Date: 4/13/2011

PROJECT TITLE: Information Technology Network and Hardware

CIP Number: P2469

PROJECT MANAGER: Geoff Stevens

DIRECTOR DIVISION:

I.D. LOCATION: District Wide

ORIGINAL APPROVED DATE: 6/23/2008

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$2,173,000

DESCRIPTION OF PROJECT:

This project will provide hardware and operating system improvements to create new functionality in the data center.

JUSTIFICATION OF PROJECT:

Enhance data center hardware and software to accommodate purchase of new and more efficient services such as automated backup, virus protection, and disaster recovery.

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Expansion	40 %	0 %	0 %	0 %	40 %
Replacement	0 %	0 %	60 %	0 %	60 %
TOTAL:	40 %	0 %	60 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
	\$1,559	\$120	\$250	\$169	\$75	\$0	\$0
							\$2,173

CIP Number: P2469

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2008	6/30/2016	\$2,173
DESIGN:			\$0
CONSTRUCTION:			\$0

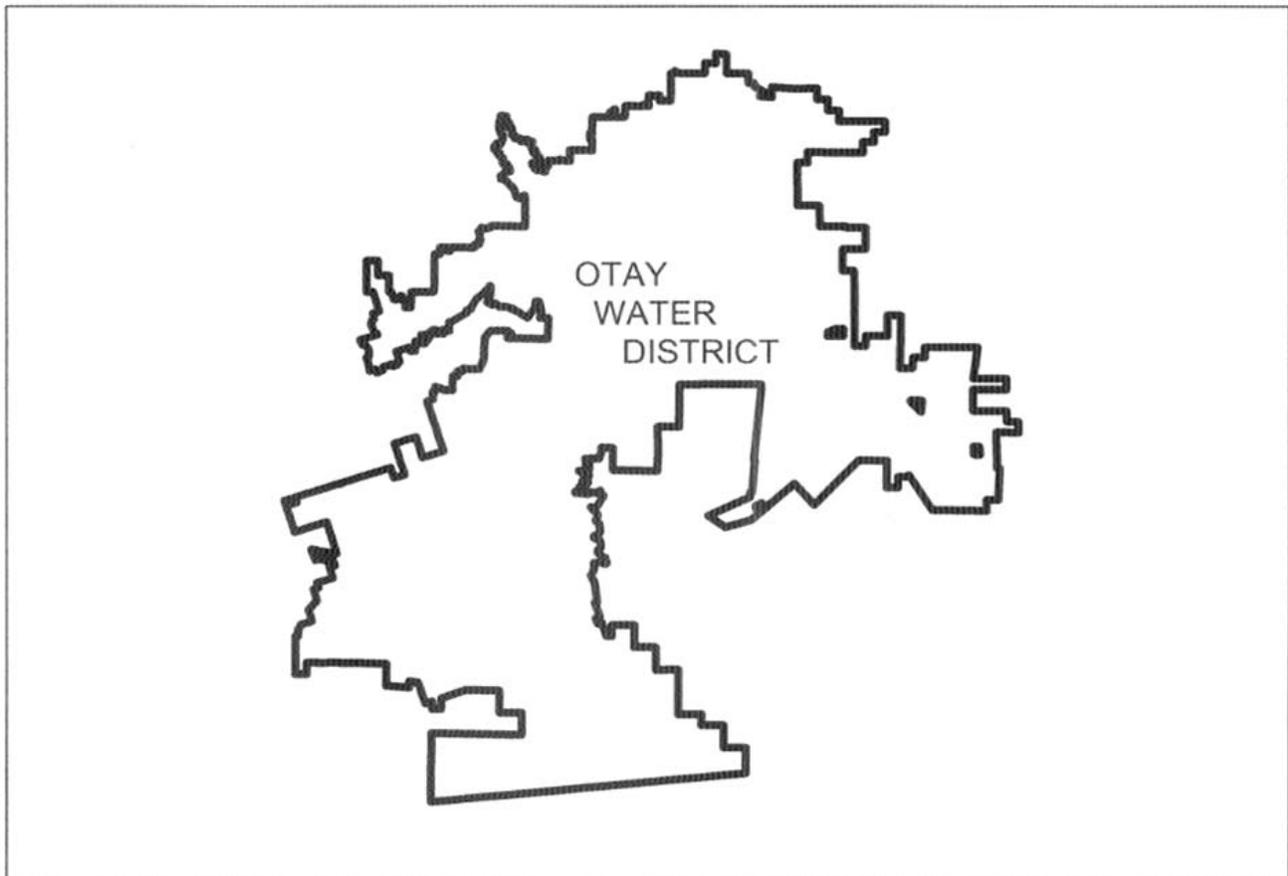
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Geoff Stevens

Date: 4/13/2011

PROJECT TITLE: Financial System Enhancements

CIP Number: P2470

PROJECT MANAGER: Geoff Stevens

DIRECTOR DIVISION:

I.D. LOCATION: District Wide

ORIGINAL APPROVED DATE: 6/23/2008

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$2,732,000

DESCRIPTION OF PROJECT:

This project is to develop enhancements and new integration functionality for Eden, GIS, IMS, and related core application systems.

JUSTIFICATION OF PROJECT:

This CIP funds the creation and enhancement and modifications of our existing financial information systems. Each year items which require software and hardware changes and additions to these systems are prioritized, scoped, and funded with this CIP. Funds are used for software development costs, software acquisition costs, consulting services, and associated new hardware. Items to be constructed and approximate costs for 2013 and 2014 are listed below. Items for 2015 and beyond will be determined as part of the 2015-2017 strategic plan process.

COMMENTS:

Electronic Payments and purchases modules 2013-130 K
CIP Planning, Budgeting and Cost tracking Modules 2013- 90 K
Inventory Control – Equipment tracking 2014- 60K
Customer Billing and Phone System Enhancements 2014- 140K

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Expansion	40 %	0 %	0 %	0 %	40 %
Replacement	0 %	0 %	60 %	0 %	60 %
TOTAL:	40 %	0 %	60 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
	\$1,862	\$220	\$200	\$200	\$200	\$50	\$0
							\$2,732

CIP Number: P2470

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2008	6/1/2016	\$2,732
DESIGN:			\$0
CONSTRUCTION:			\$0

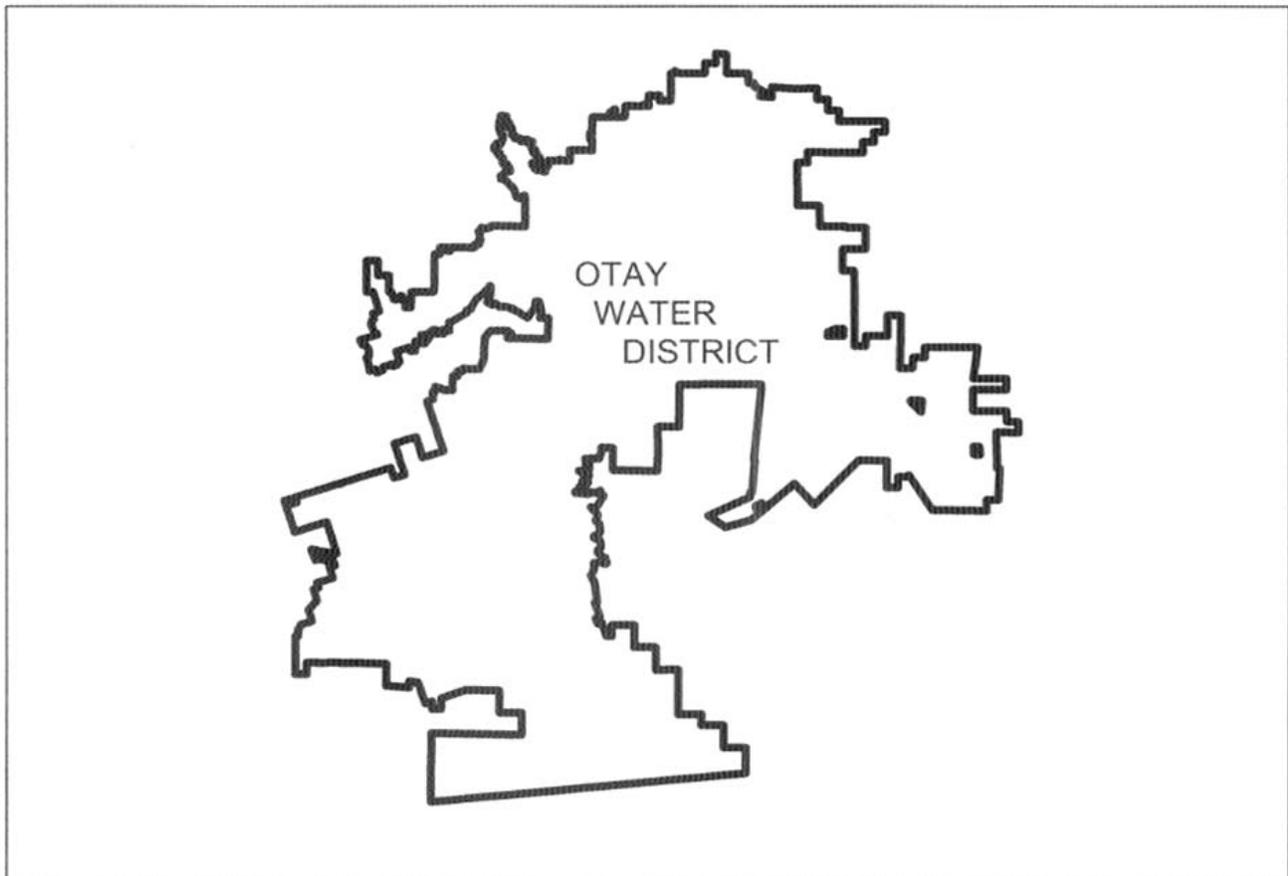
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Geoff Stevens

Date: 4/13/2011

PROJECT TITLE: Sewer Vehicle Capital Purchases

CIP Number: S2042

PROJECT MANAGER: Doug Rahders

DIRECTOR DIVISION: 5

ORIGINAL APPROVED DATE:

I.D. LOCATION: 18

RELATED CIP PROJECTS:

PRIORITY: 1

BUDGET AMOUNT: \$325,000

DESCRIPTION OF PROJECT:

This project provides sewer funding for capital purchase of various vehicles for daily Otay Water District functions.

JUSTIFICATION OF PROJECT:

Replacement or newly acquired vehicles will be used for operational functions throughout the Otay Water District sewer service area.

COMMENTS:

It is planned to purchase two vehicles in Fiscal Year 2013.

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Replacement	0 %	0 %	100 %	0 %	100 %
TOTAL:	0 %	0 %	100 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
	\$0	\$325	\$0	\$0	\$0	\$0	\$325

CIP Number: S2042

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2012	6/1/2013	\$325
DESIGN:			\$0
CONSTRUCTION:			\$0

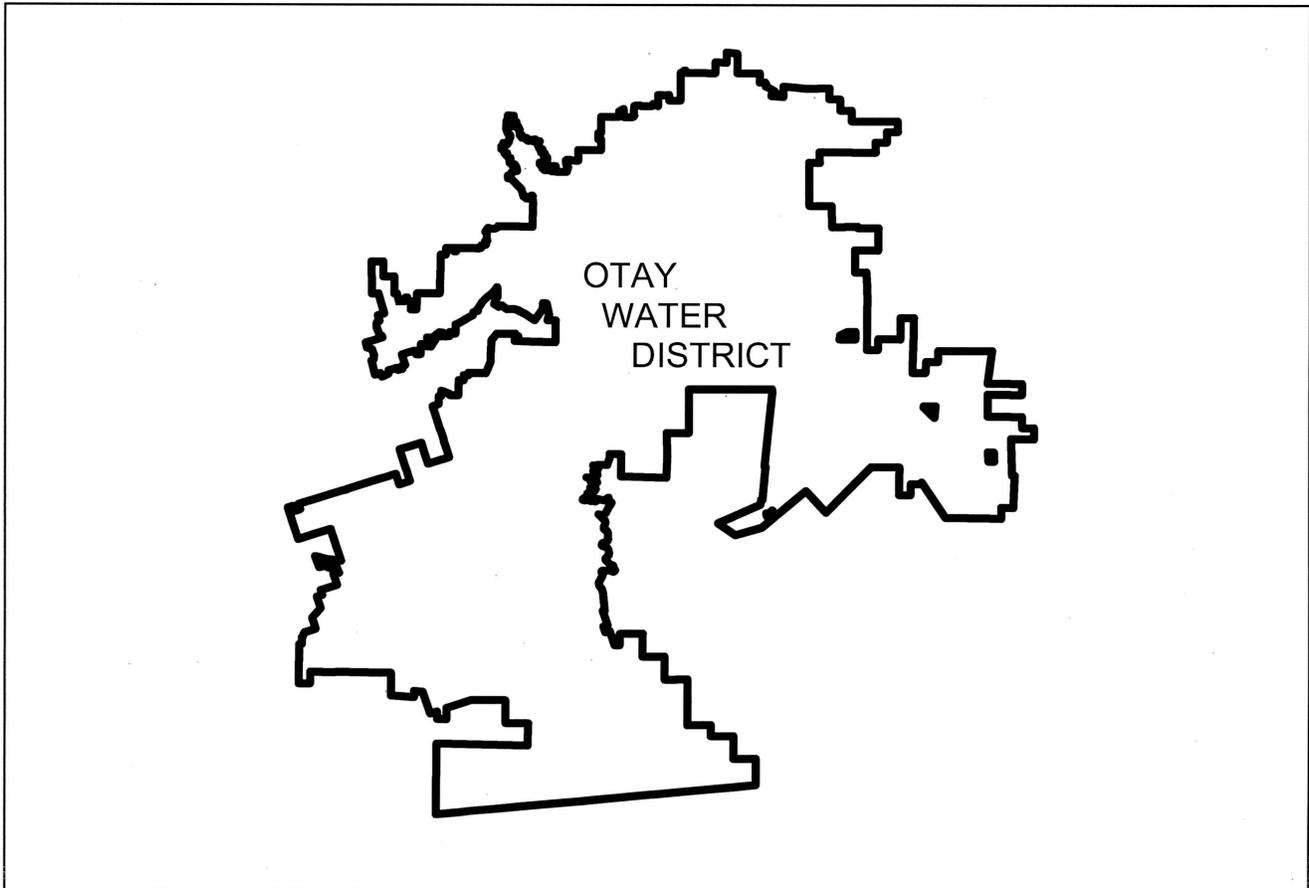
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Doug Rahders

Date: 4/11/2012

**PROJECT TITLE: PL - 10-inch to 12-inch Oversize, 1296 Zone, PB Road - Rolling Hills
Hydro PS/PB Bndy**

CIP Number: P2325

PROJECT MANAGER: David Charles
ORIGINAL APPROVED DATE: 6/7/2000
RELATED CIP PROJECTS:

DIRECTOR DIVISION: 5
I.D. LOCATION: 22
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 DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Expansion	100 %	0 %	0 %	0 %	100 %
TOTAL:	100 %	0 %	0 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
\$1	\$49	\$0	\$0	\$0	\$0	\$0	\$50

CIP Number: P2325

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2004	6/1/2013	\$1
DESIGN:	9/1/2013	12/1/2013	\$6
CONSTRUCTION:	1/1/2014	6/1/2014	\$43

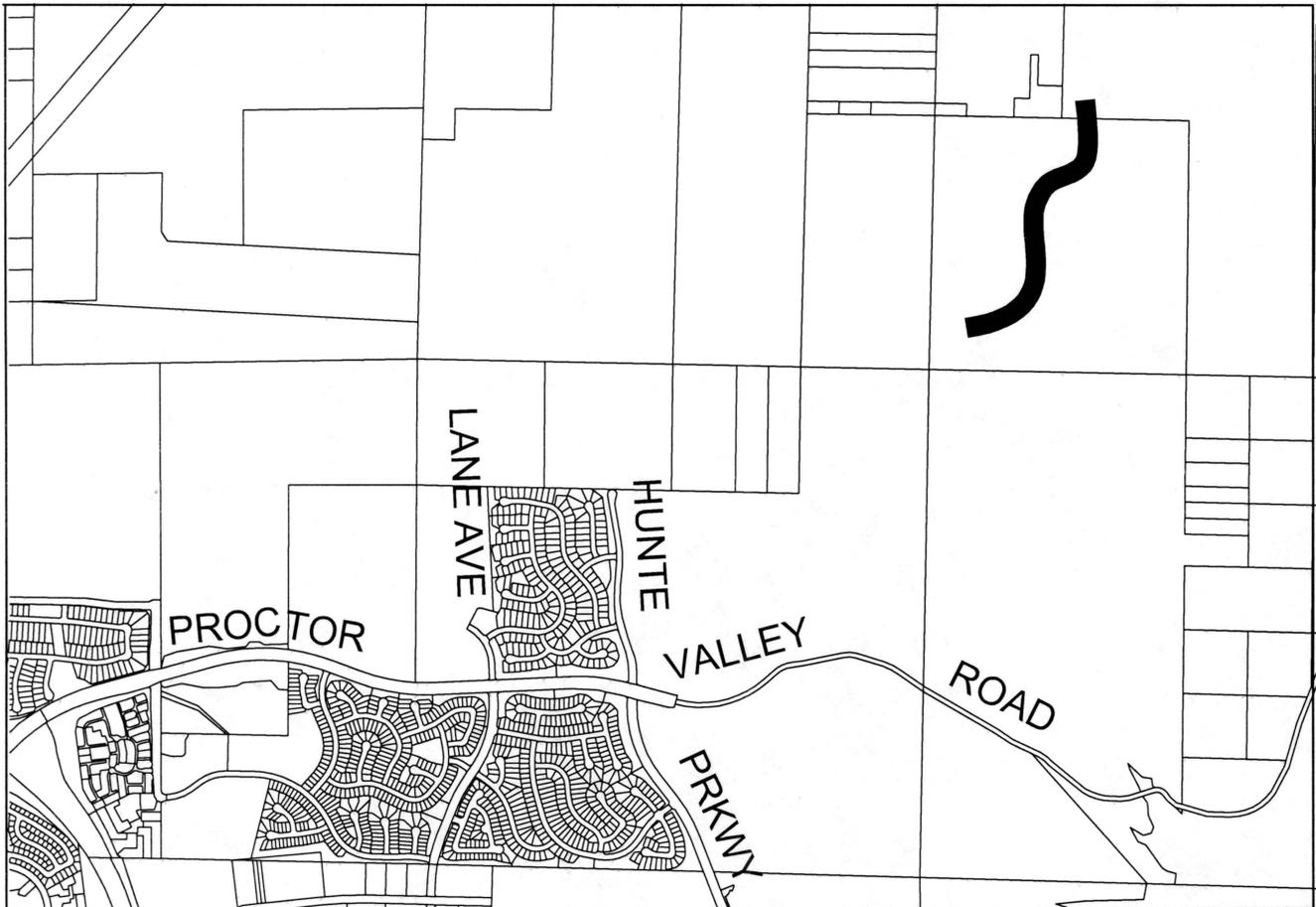
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$2,300	\$2,400	\$2,500	\$2,600	\$0	\$9,800
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1311

OWD Map Book: 160



Submitted By: David Charles

Date: 12/14/2011

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

CIP Number: R2083

PROJECT MANAGER: David Charles

DIRECTOR DIVISION: 1

ORIGINAL APPROVED DATE: 6/2/2004

I.D. LOCATION: 22

RELATED CIP PROJECTS: R2082, R2084

PRIORITY: 2

BUDGET AMOUNT: \$400,000

DESCRIPTION OF PROJECT:

Construction of approximately 2,200 feet of 20-inch pipeline within the 680 Pressure Zone in Heritage Road through Village 2 to Olympic Parkway. This project will be constructed by developers and is subject to reimbursement at actual cost per Board policy.

JUSTIFICATION OF PROJECT:

This project will provide transmission capacity for the recycled water supply pumped from the 680-1 Pump Station to the 680 and higher pressure zones. Significant energy savings will occur due to lower total dynamic head requirements for the 680-1 Pump Station.

COMMENTS:

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

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Expansion	100 %	0 %	0 %	0 %	100 %
TOTAL:	100 %	0 %	0 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2013	2014	2015	2016	2017	2018	Total
	\$1	\$4	\$395	\$0	\$0	\$0	\$400

CIP Number: R2083

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2004	6/1/2006	\$16
DESIGN:	7/1/2006	12/1/2006	\$44
CONSTRUCTION:	7/1/2012	6/1/2014	\$340

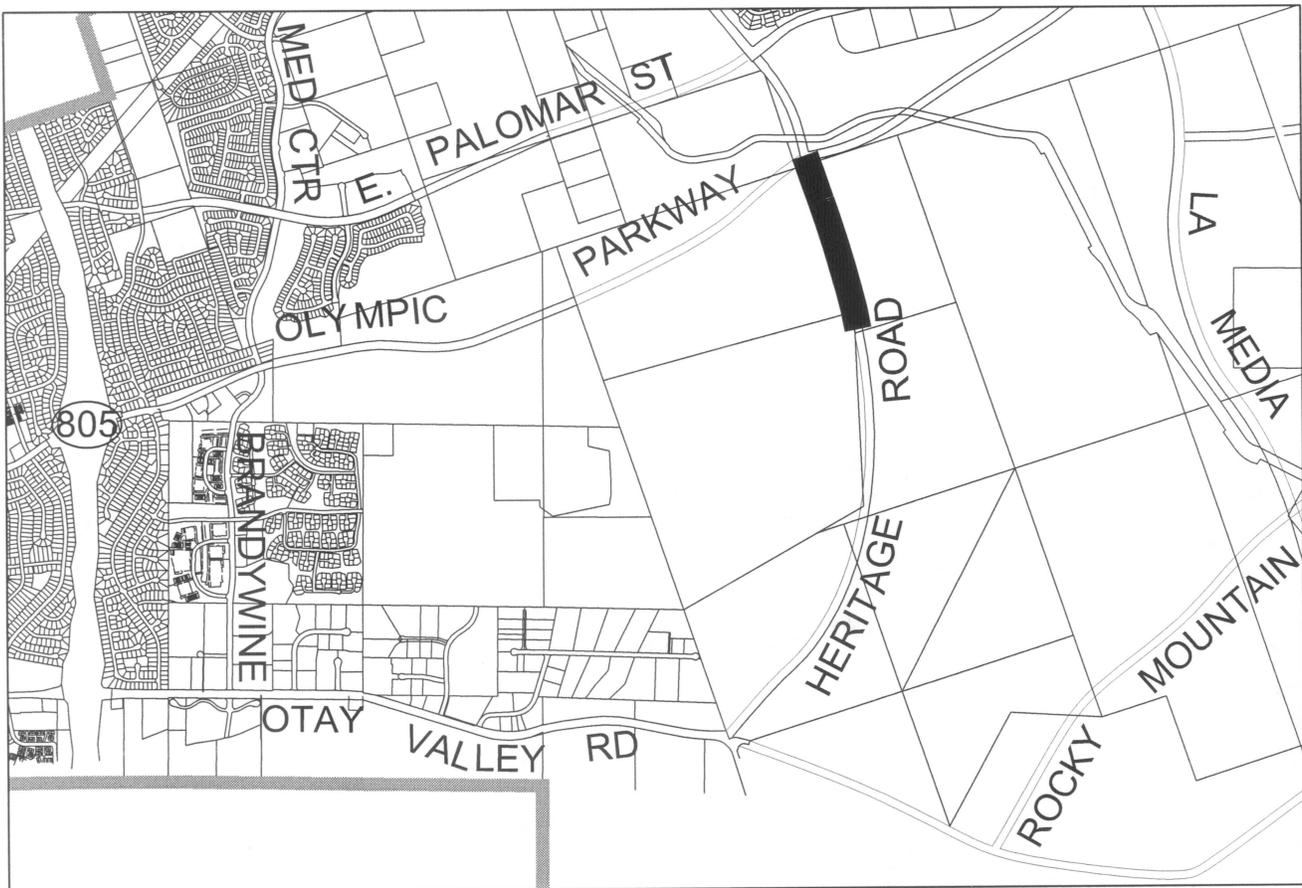
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$700	\$700	\$700	\$0	\$2,100
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map: 1331

OWD Map Book: 82



Submitted By: David Charles

Date: 10/26/2011

PROJECT TITLE: Potable Irrigation Meters to Recycled Water Conversions

CIP Number: R2094

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

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

The expansion of recycled water development allows for potable water savings and increases the purchases of supply from the South Bay Water Reclamation Plant.

COMMENTS:

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

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Betterment ID 22	0 %	60 %	0 %	0 %	60 %
New Water Supply Fee Projects	0 %	0 %	0 %	40 %	40 %
TOTAL:	0 %	60 %	0 %	40 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY							
TOTAL	2013	2014	2015	2016	2017	2018	Total	
	\$1,700	\$10	\$200	\$300	\$300	\$300	\$290	\$3,100

CIP Number: R2094

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2009	12/1/2009	\$80
DESIGN:	1/1/2010	6/1/2011	\$450
CONSTRUCTION:	7/1/2011	6/1/2017	\$2,570

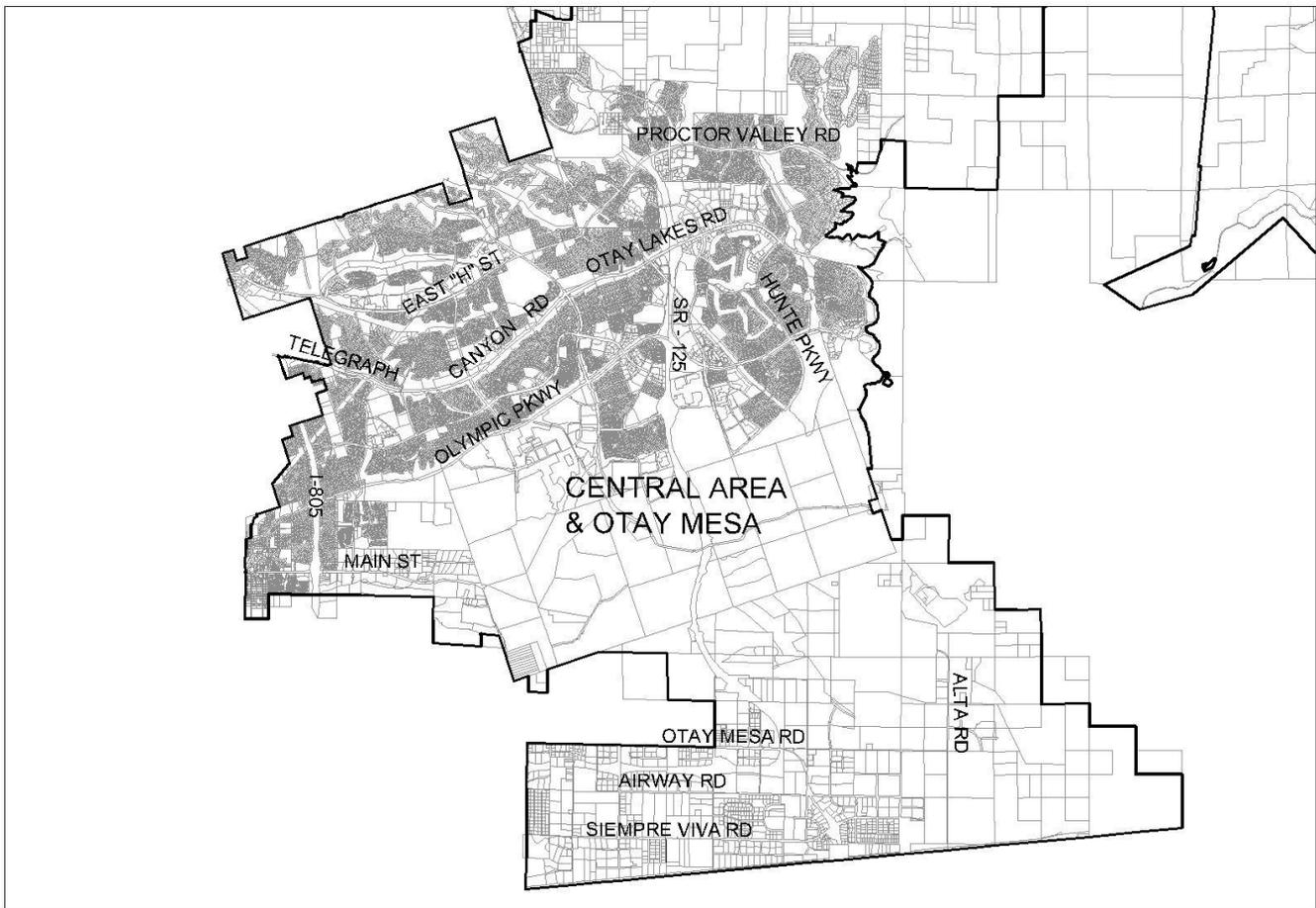
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2013	2014	2015	2016	2017	2018	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: David Charles

Date: 10/26/2011

Water Meter Capacity Fees

Effective 7/1/12

NAME	IMPROVEMENT DISTRICT (ID)	CAPACITY FEE	TOTAL CHARGE
Capacity Fee Section 28.01	1,2,3,5,7,10,19,20,22,25,27	\$7,900	\$7,900
Triad Capacity Fee	ID 22/27-BASE	\$5,912	\$5,912
New Water Supply Fee			\$910

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, Meter Fees and Deposits.

Glossary

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

Acre-Foot: The volume of water that will cover one acre to a depth of one foot. One acre-foot equals 435.6 units or 325,850 gallons.

Annexation Fees: Whenever water service is requested for land outside the boundaries of the District it must first be annexed into the District. The annexation fee for water service was set at \$1,477 per EDU on July 1, 2009. Whenever sewer service is requested for land outside the boundaries of an improvement district (ID) it must first be annexed into the ID. The fee for sewer annexation was set at \$3,819 on December 16, 1998. These base rates are adjusted quarterly according to a cost of living index. The rates as of July 1, 2011 are \$1,518 and \$5,602 for water and sewer, respectively.

Assets: Resources owned or held by the District that have monetary value.

Availability Fees: The District levies charges each year in developed areas to be used for general purposes for construction of facilities, and in undeveloped areas to provide a source of funding for planning, mapping, and preliminary design of facilities to meet future development. Current legislation provides that any availability charge in excess of \$10.00 per acre shall be restricted only for the purpose of constructing facilities in the improvement district for which it was assessed.

Betterment Fees: In addition to other applicable water rates and charges, certain water customers pay a fee based on water service zone or improvement district. These are restricted for the use in the area where they are collected and may be used for the construction and maintenance of facilities.

Betterment Fees for Maintenance: The Operating Budget earns betterment fees for maintenance work performed on infrastructure within special betterment zones, where fees are collected for the construction and maintenance of these specific assets.

Capacity Fee: A connection fee is charged when a new water meter is placed into service. This fee is based on the estimated construction cost of expansion of the system to meet the needs of all future customers. This fee covers the cost including, but is not limited to, planning, design, construction, and financing of expansion of the system.

Capacity Fee Revenues: These fees are earned by the Operating Budget as the Engineering Department supports expansion functions.

Glossary

Capital Budget: The portion of the annual budget that appropriates funds for the purchase of capital equipment items and capital improvements. These expenditures are separated from regular operating items, such as salaries, utilities and office supplies. The Capital Budget includes funds for capital equipment purchases over \$10,000, such as vehicles, furniture, machinery, microcomputers and special tools or \$20,000 for infrastructure related items, which are distinguished from operating items according to their value and projected useful life.

Capital Equipment: Fixed assets such as vehicles, marine equipment, computers, furniture, technical instruments, etc. which have a life expectancy of more than two years and a value over \$10,000 or \$20,000 for infrastructure related items (this may not extend useful life of the infrastructure, but without it, the whole asset is rendered useless).

Capital Improvement Program: A long-range plan of the District for the construction, rehabilitation and modernization of the District-owned and operated infrastructure.

CWA: The County Water Authority was organized in 1944 under the State County Water Authority Act for the primary purpose of importing Colorado River water to augment the local water supplies of the Authority's member agencies. The Authority purchases water from MWD which imports water from the Colorado River and the State Water Project.

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

Desalination: The removal of dissolved minerals (including salts) from seawater or brackish water. Engineered water desalination processes, which produce potable water from seawater or brackish water, have become important because many regions throughout the world suffer from water shortages.

Expenditures/Expenses: These terms refer to the outflow of funds paid or to be paid for an asset, goods or services obtained regardless of when actually paid for. (Note: An encumbrance is not expenditure). An encumbrance reserves funds to be expended in a future period.

Fiscal Year: Twelve-month term designating the beginning and ending period for recording financial transactions. The District has specified July 1 to June 30 as its fiscal year.

Grants: Contributions or gifts of cash or other assets from another governmental agency to be used or expended for a specified purpose, activity, or facility. Capital grants are restricted by the grantor for the acquisition and/or construction of fixed assets. Operating grants are restricted by the grantor for operating purposes or may be used for either capital or operating purposes at the discretion of the grantee.

Glossary

Interest Income: Earnings from the investment portfolio. Per District Policy Number 25, interest income will be allocated to improvement districts each month based upon each fund's prior month-ending balance.

Reserve Fund: The District maintains Reserve Funds per the District's policy for both designated and restricted balances. Designated Reserve Funds are "general use" funds designated by the Board. Restricted reserves are those that are legally set aside for a particular purpose and cannot be used for any other purpose.

Water Capacity Fees: Charges paid by customers to connect to a District water system for potable or recycled water service. Fees are determined by multiplying the demand factor for the meter size by the total of the District-wide capacity fee and applicable zone charge

List of Acronyms

AF	Acre-Foot/Feet
AMR	Automated Meter Reader/Reading
APCD	Air Pollution Control District
ASCE	American Society of Civil Engineers
AWWA	American Water Works Association
CEQA	California Environmental Quality Act
CIP	Capital Improvement Program
CMAA	Construction Management Association of America
CSI	California Solar Initiative
CWA	County Water Authority (San Diego)
FCF	Flow Control Facility
FY	Fiscal Year
GAAP	Generally Accepted Accounting Principles
GIS	Geographic Information System
GPS	Global Positioning System
HWD	Helix Water District
ID	Improvement District
IID	Imperial Irrigation District
IMS	Infrastructure Management System
IRP	Integrated Water Resources Plan
LOPS	Lower Otay Pump Station
MBR	Membrane Bioreactor
MG	Million Gallons
MGD	Million Gallons per Day
MWD	Metropolitan Water District
O&M or O/M	Operations and Maintenance
OIS	Otay Information System
PB	Pacific Bay
PL	Pipeline
PS	Pump Station
RWCWRF	Ralph W. Chapman Water Recycling Facility
SANDAG	San Diego Association of Governments
SCADA	Supervisory Control and Data Acquisition
SDCWA	San Diego County Water Authority
SVSD	Spring Valley Sanitation District
VCP	Vitrified Clay Pipe
WD	Water District
WRMP	Water Resources Master Plan
WTP	Water Treatment Plant

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