



Spring Valley, California

Adopted
Capital Improvement Program Budget
Fiscal Year 2014-2019



Otay Water District

Adopted Capital Improvement Program Budget

Fiscal Year 2014-2019

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Table of Contents

	<u>Page</u>
Letter of Transmittal	ii
GENERAL INFORMATION	
CIP Budget Guide	1
At-A-Glance	2
General Information	3
Awards	4
Current Economic Conditions	7
The Future	8
Demographics	9
Organization Chart	11
CIP Budget Calendar	12
CIP Budget Process	13
Resolution No. 4210	15
CAPITAL BUDGET SUMMARY	
Capital Improvement Program Narrative	17
Major CIP Projects	20
CIP Projects in Construction	21
CIP Reserve Funds	26
CIP Funding Source and Category	27
CIP Projects	28
CIP Justification and Impact on Operating Budget	30
CIP Project Schedule	31
Capital Purchases	36
CIP PROJECTS	
CIP Project Sheet Description	37
CIP Project Index	40
Capital Facility Projects	42
Replacement/Renewal Projects	86
Capital Purchase Projects	144
Developer Reimbursement Projects	158
APPENDIX	
Water Meter Capacity Fees	168
Glossary	169
List of Acronyms	172
Index	173



...Dedicated to Community Service

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September 5, 2013

Honorable Board of Directors
Otay Water District

I am pleased to present the Otay Water District's Capital Improvement Program Budget for Fiscal Years 2015-2019. This year's budget continues to support the management plan to finance all of the District's services, programs and capital needs during the 2014 fiscal year as well as the succeeding five fiscal years.

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 have always been challenged by their dependence on imported water and continue 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.

Not only are the regional water providers faced with the ongoing challenge of a reliable supply, but they are also challenged with significant cost increases and the need to provide high quality water. The District must find the best solutions that balance these challenges. The tool the District has used as its guide to accomplish this is the Strategic Management Performance Plan. The District's first strategic plan was developed in 2003 and it has been updated every three years since then. The current plan covers Fiscal Years 2012-2014 and can be found on pages 7-14 of the District's [Adopted Operating and Capital Budget for Fiscal Year 2013-2014](#).

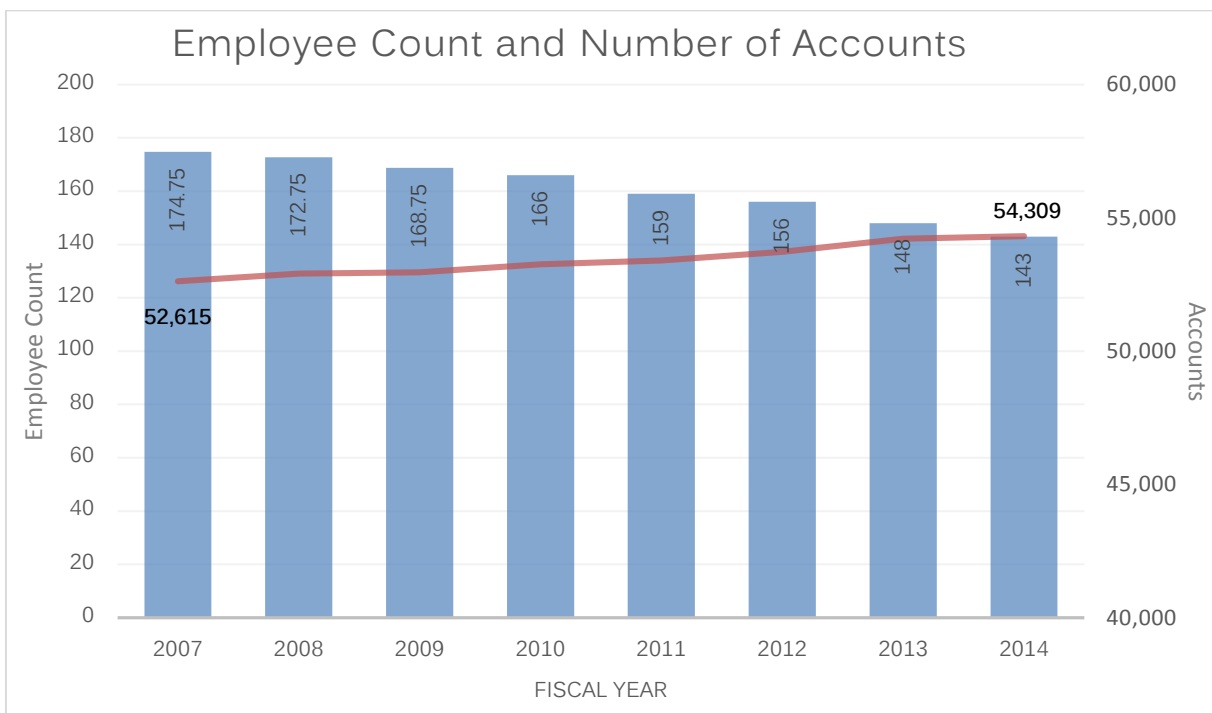
2012-2014 Strategic Plan

We are now entering the third 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 are primarily focused on managing long-term maintenance and replacement of infrastructure.

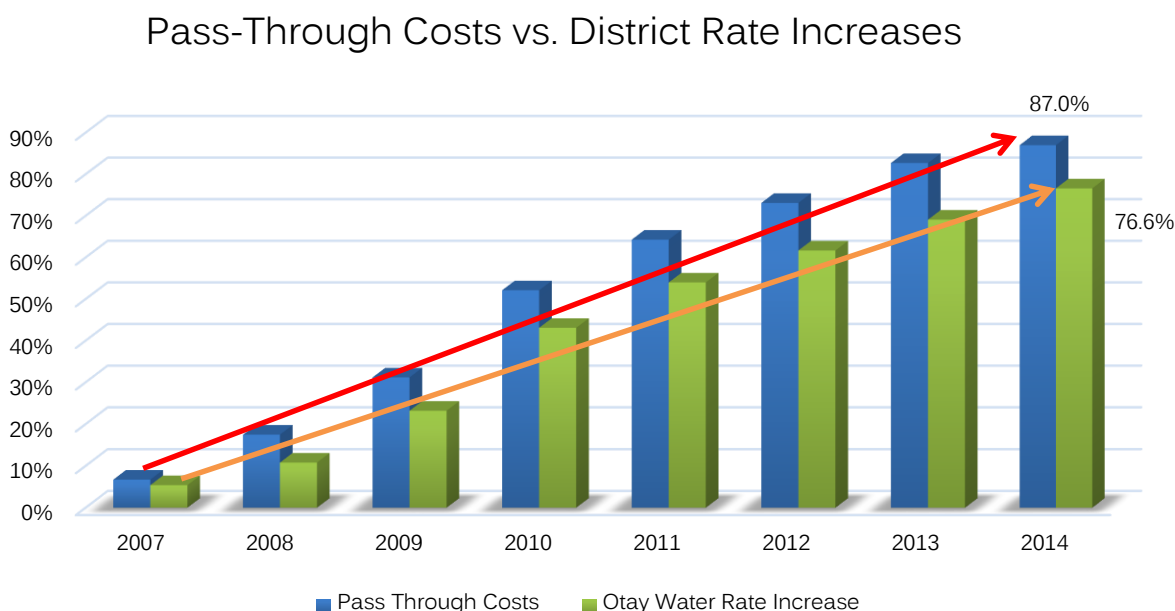
As an organization matures, fewer resources are needed to support growth, but the effort to maintain and improve infrastructure and assets increases. Over time, an organization derives income more from customer rates and less from developer fees. At this stage in its development, increased maintenance 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 though the customer base has grown in recent years. The following charts show that since 2007, the District has reduced its staffing by 31.75 full-time equivalents or 18.2% while the number of customer accounts has increase by 1,694 during the same time period.



The District has been able to continue absorbing some of the pass-through costs from our water suppliers, the San Diego County Water Authority (CWA) and Metropolitan Water District (MWD), through increased efficiency and improved productivity. This helps to address customer concerns about rising water rates.

The chart below shows that since 2007, the pass-through costs have increased 87% while the District's water rates have increased 76.6%.



Based on an annual survey of water and sewer rates conducted by District staff, Otay continues to be one of the lower cost providers in San Diego County. The District has the 11th lowest water rate out of the 23 member agencies in San Diego County and the 6th lowest sewer rate out of the 29 sewer service providers in San Diego County. The results of the water and sewer surveys are shown on page 33 and 34 of the District's [Adopted Operating and Capital Budget for Fiscal Year 2013-2014](#).

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 48,911 potable and 709 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 CWA. Fifty eight percent of this water is in turn purchased from the region's primary water importer, MWD. The District has

been proactive in reducing our dependence on MWD water treatment facilities. For example, in 2009, the District entered into an agreement with the CWA that allowed our neighboring Helix Water District to treat imported water on behalf of the District at their Levy Water Treatment Plant. This has brought regional water treatment closer to our customers, which reduces 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 4,657 homes and businesses. Wastewater is collected and 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. 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 \$86,101,100 for Fiscal Year 2014. Revenues from potable and recycled water are projected to be \$75,373,600, about \$5,916,800 (7.8%) more than the Fiscal Year 2013 budget. Water sales volumes are expected to increase slightly, by less than 1% over FY 2013 actual sales, as the economy is slowly improving, even when efforts to promote water conservation continue without significant increases in water sales, rate increases are essential to offset the higher wholesale cost of water. Sewer revenues are projected to be \$2,701,600, about \$146,400 more than Fiscal Year 2013. This increase from higher sewer rates is primarily to cover \$18.6 million of capital projects over the next six years. The remaining budgeted revenues of \$7.7 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 7.7% from MWD and CWA because of the high cost of supply programs, higher energy costs, and operating costs.
- Implemented rate increases in potable, recycled water, and sewer. This included pass-through rate increases from CWA and the County of San Diego.
- In efforts to minimize rate increases, the District has again reduced staffing levels from 148 full-time equivalent positions to 143.
- Of San Diego County's 23 water agencies, Otay's water rates are below the county-wide average.

The Fiscal Year 2013-14 Capital Improvement Program (CIP) Budget consists of 63 projects and a budget of \$14 million. The total estimated capital needs for Fiscal Years 2015 through 2019 is \$93 million. The CIP budget emphasizes long-term planning for ongoing programs while functioning within fiscal constraints and population growth. This year's CIP budget decreased by \$4.2 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 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. The District as a member of the CWA is well positioned for water coming from the Colorado River thanks to the QSA Agreement. 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. This sales decrease has now ended and the District is seeing moderately increased water sales. Our success as an organization is significantly enhanced by the practices and policies put in place by the Board of Directors to ensure the strength and stability of the District. 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, 2012. 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 Government Finance Officers Association of the United States and Canada (GFOA) also presented the Otay Water District with two special recognition awards, *Outstanding as a Policy Document* and *Outstanding as a Communication Device*, for its annual budget for the fiscal year beginning July 1, 2012.
- The California Society of Municipal Finance Officers (CSMFO) presented Otay Water District the Certificate of Award for *Excellence in Operating Budgeting* for Fiscal Year 2012-2013.
- The California Society of Municipal Finance Officers (CSMFO) presented Otay Water District the Certificate of Award for *Excellence in Capital Budgeting* for Fiscal Year 2012-2013.

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 and District operations.



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

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.

History

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. The District 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 May, 2007 a new source of recycled water from the City of San Diego was obtained, allowing the Otay Water District to supply 13% of total water demand with recycled water.

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, abutting the cities of El Cajon and La Mesa and encompassing most of the City of Chula Vista and a small portion of the City of San Diego.



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 11](#).

General Information

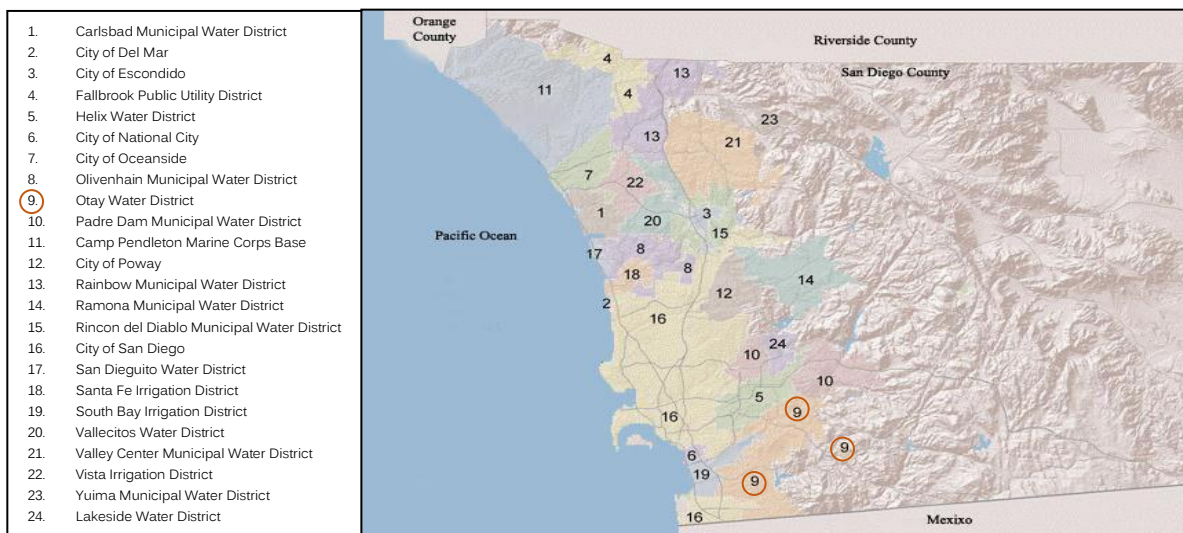
For Fiscal Year 2014, the District will have a staff of 143 full-time equivalent employees under the leadership of the General Manager. The District provides water service to approximately 53% of its expected ultimate deliveries with a population of more than 211,000 people. This percentage increases as the District's service area continues to grow to ultimate build-out. The District is projected to deliver approximately 28,985 acre-feet of potable water to 49,150 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 growth rate, as projected by the San Diego Association of Governments (SANDAG) for the Chula Vista area of San Diego County, is approximately 1.8% per year over the next decade. Using historical data and considering current economic conditions, staff has moderated this projection to a growth rate of 0.47% for Fiscal Year 2014.

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 partnership with the City of San Diego to beneficially reuse an additional 2,916 acre-feet per year of recycled water for Fiscal Year 2014, and ultimately up to 6,720 acre-feet per year. The District continues to be the largest retail provider of recycled water in the County of San Diego.

The District also owns and operates a wastewater collection system providing public sewer service to approximately 4,657 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.

San Diego County Water Agencies



DISTINGUISHED BUDGET PRESENTATION AWARD

The Government Finance Officers Association (GFOA) presented a *Distinguished Budget Presentation Award* to the District for its annual budget for the fiscal year 2012-2013. 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.

In addition, the Finance Department received two special recognitions for the FY 2012-2013 budget: 1) Outstanding as a Policy Document, and 2) Outstanding as a Communications Device. These special recognitions are rarely given to agencies. In fiscal year 2012, 10 agencies received the special recognition for a Communications Device and 10 agencies received the special recognition for a Policy Document out of 1,376 applicants.



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 2012-2013*.

The California Society of Municipal Finance Officers (CSMFO) presented Otay Water District the Certificate of Award for *Excellence in Operating Budget for Fiscal Year 2012-2013*.



Award



Otay Water District has been awarded the *2013 Tyler Public Sector Excellence Award*. The award recognizes the achievement of a high level of excellence in leadership, innovation, and excellence in the use of Tyler's ERP system for business solutions.

Current Economic Conditions

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). The District 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 from 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 211,000 residents. The local and national recovery from the global recession of 2009 has been slow; however, due to San Diego County's diverse economy, it is forecasted to do better than most of the nation.

Over the past 10 years, the District has added more than 6,768 new customer connections, with 2,326 occurring in Fiscal Year 2004. In Fiscal Year 2013, the District sold 284 meters which is an average of 24 meters per month.

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.

Future Development

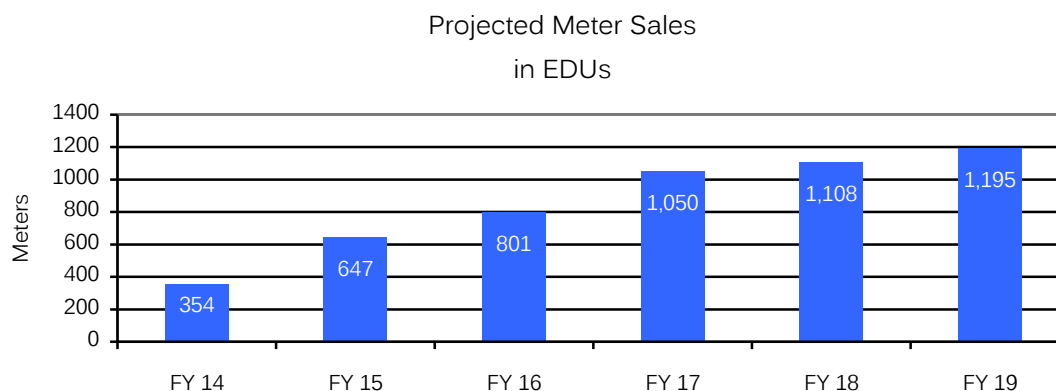
As in the previous fiscal year, the District employed an Economist to provide an Economic Outlook of the National Economy, San Diego County's Economy, the future of South San Diego County and an overview of the Otay Water District. Projections of future development indicate that the ratio of multi-family units will increase because the remaining land is zoned for multi-family development.

Projected Total For Sale and Rental Units Otay Water District Service Area FY 2014 through FY 2019							
Project	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	Total
Total Single-Family Units	103	273	310	510	513	500	2,209
Total Condominium	140	383	383	400	500	500	2,306
Total Rental	839	691	580	250	250	250	2,860
Total Units	1,082	1,347	1,273	1,160	1,263	1,250	7,375

% Multi-Family	90%	80%	76%	56%	59%	60%	70%
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Source: The London Group Realty Advisors, April 2013

Using the economist report, the District's engineering staff projects that over the next six years the District will sell another 3,424 meters which translates to 5,155 equivalent dwelling units (EDUs). These projections have been incorporated in the Five-Year Forecast on pages 52-53 of the District's [Adopted Operating and Capital Budget for Fiscal Year 2013-2014](#).



The Future

San Diego County Water Supply

San Diego County imports about 90 percent of its water from the Colorado River and Northern California. Since these sources face legal and environmental constraints, the region has been exploring other ways to ensure an adequate water supply, including increased water recycling, more aggressive conservation programs, increased water storage, groundwater desalination and seawater desalination.

Carlsbad Desalination Project

The District's water wholesaler, the San Diego County Water Authority, voted on November 29, 2012, to approve a water purchase agreement with Poseidon Resources Corporation (Poseidon). Under the water purchase agreement, the Water Authority will purchase 48,000 to 56,000 acre-feet of water annually from the desalination plant located in Carlsbad, California. The plant is expected to produce up to 50 million gallons of water a day beginning in 2016 and will generate enough water to meet 7 percent of the region's demand. The total price for the desalinated water, including related upgrades to the Water Authority's pipelines and treatment plant, is projected to start between \$2,041 and \$2,290 per acre-foot (in 2012 dollars). An acre-foot is approximately 325,900 gallons, or enough to supply two typical single-family households of four for a year.



Carlsbad Desalination Project rendering

Rosarito Desalination and the Otay Mesa Conveyance and Disinfection System Projects

The Rosarito Desalination Project is comprised of a 100 million gallons per day seawater reverse osmosis desalination plant, together with a pump station and pipeline, to convey water to Tijuana and excess production water to the District. This will be the first cross-border water supply project of its kind and requires public messaging to inform key stakeholders and the public of the significance of the Project. If successful, this Project will start delivering water to District customers by early 2018. The Project includes the construction of facilities on the U.S. side to include a large diameter pipeline 3.5 miles long, a pump station, a disinfection facility and the use of the Roll Reservoir in Otay Mesa.



Rosarito Desalination Project rendering

Demographics

The District boundaries shown in the map 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.



Demographics of the City of Chula Vista

The population of Chula Vista has grown from 83,927 in 1980 to 249,382 in 2012. This represents an increase of 165,455 in the past 30 years or a 197.1% increase, which correlates to the District's rapid growth for the same period. As shown in the table below, the ethnic/racial makeup of the City consists of 58% Hispanic, 20% White, 14% Asian, 4% Black, and the remaining 7% is all other groups. In a recent economic forecast conducted by the London Group Reality Advisors, the District's median age is 35.5 and 33.0% of adults have a four-year degree or higher. The average household income is \$96,791 and the median household income is \$80,479.

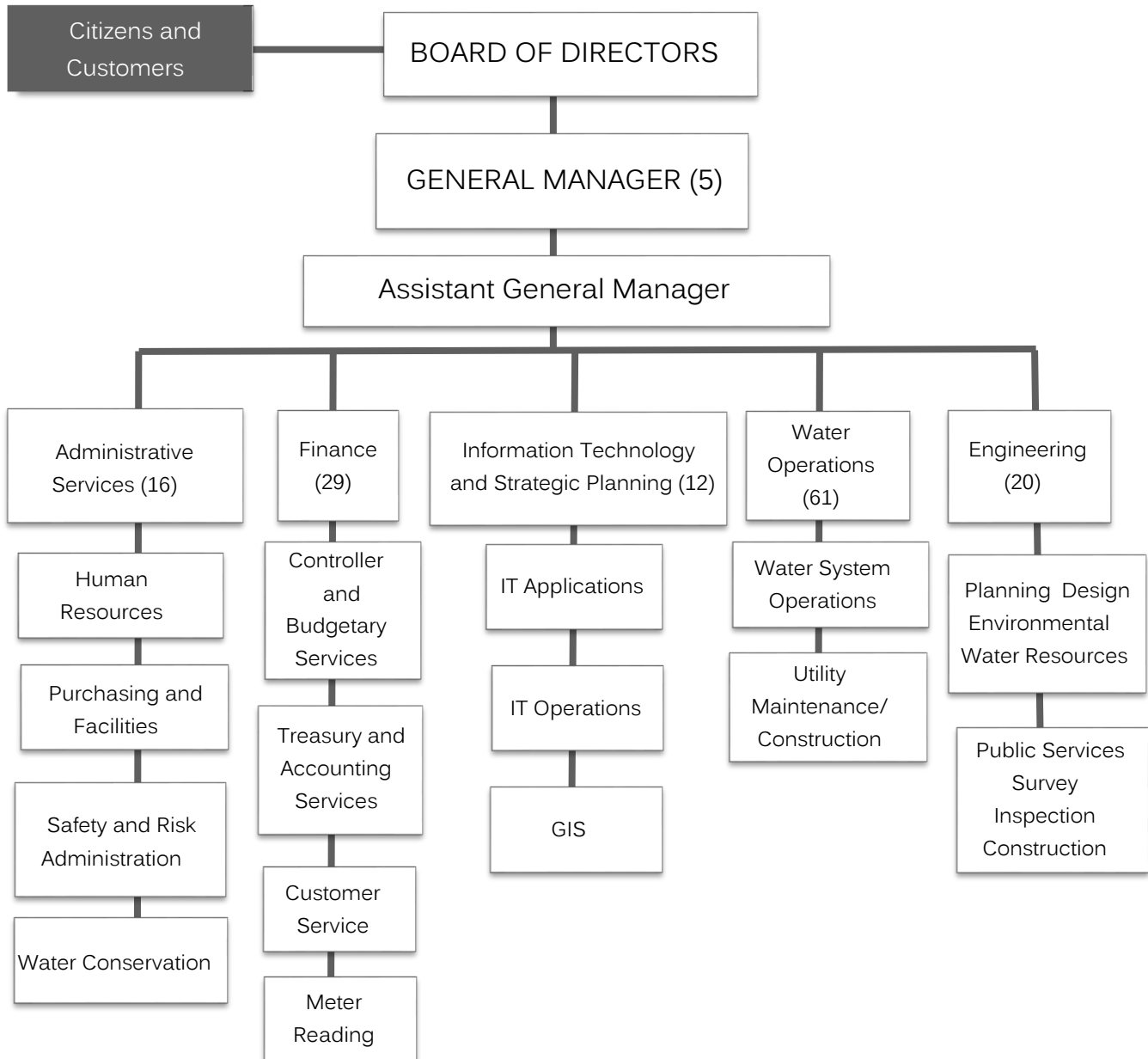
2012 City of Chula Vista Demographics	
Population	249,382
Persons/Household	3.17
Ethnic/Racial makeup	
Hispanic	58%
White	20%
Asian	14%
Black	4%
Other	7%
Median Age	35.5
Percentage with 4 year degree or higher	33.0%
Average Household Income	\$ 96,791
Median Household Income	\$ 80,479

Source: SANDAG; The London Realty Group, Claritas Demographics



ORGANIZATION CHART

District Position Count - (143 Positions)



CIP Budget Calendar

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

January-February	March	April	May	July-January
<p>1/10/13 Budget workbooks and instructions for the Operating and Capital Budget are distributed to departments.</p> <p>1/10/13-2/22/13 Departments begin CIP Budget Process which includes:</p> <ul style="list-style-type: none"> Review existing FY 2013 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 6/30/13 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. 	<p>3/5/13 Engineering Department reviews all CIP budget requests with Assistant General Manager and adjusts, if necessary.</p> <p>3/13/13 Engineering reviews and prepares CIP budget and submits to finance for review and to incorporate into rate model to determine proposed rates.</p> <p>3/22/13 CIP budget presented to the General Manager for review and comments.</p>	<p>4/2/13 Review assumptions and rates with Chiefs, Assistant General Manager, and General Manager.</p> <p>4/11/13 General Manager performs preliminary review of budget.</p>	<p>5/7/13 Final review of proposed budget and rates is completed by the General Manager.</p> <p>5/14/13 Board of Directors adopts Fiscal Year 2013-2014 Operating and Capital Budget.</p>	<p>7/17/13 Proposition 218 Rate Notices mailed</p> <p>9/4/13 Proposition 218 Public hearing and Board approval of Rates</p> <p>1/1/14 Water and Sewer Rate Increase</p>

CIP Budget Process

The District has integrated the Capital Improvement Program (CIP) Budget and the Operating Budget. Appropriate budget amounts are determined by using 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.

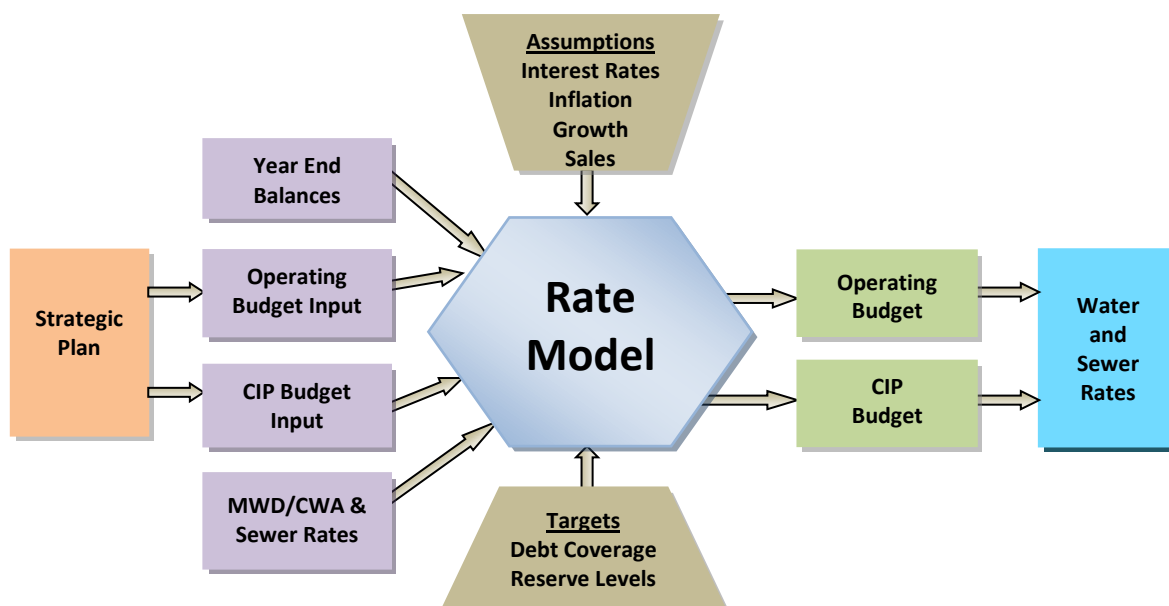
In January, the Engineering Department (Engineering) issues budget instructions for the CIP budget process. The project manager use the CIP Budget module system to review and estimate project expenditures to the end of the fiscal year. Projects may have been added, deleted or modified due to increased costs, changes in the scope of work, unanticipated events or emergencies. The CIP Budget Process ensures that all projects are reviewed and updated to reflect any changes and are included in the District's Rate Model and Financial Forecast.

Engineering reviews each project budget for accuracy, ensures that projects are categorized into the appropriate project types and funding sources, and then prioritizes projects based on need and timing. Projects are also reviewed to see if any grant funding is available and if so, estimated amounts are included as a funding source to these projects.

In March, Engineering compiles the Preliminary CIP Budget and submits the consolidated CIP list to the Assistant General Manager and the General Manager for review and comments. Engineering also updates the five-year projection of CIP expenditures and provides it to the Finance Department (Finance) to incorporate into the District's Rate Model to determine proposed rates.

CIP Budget Process

Finance inputs the operating revenues and expenditures, CIP expenditures, reserve funding, and reserve levels into the District's Rate Model.



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

In the spring, the District presents the Strategic Plan to the Board of Directors for adoption. This is followed by a special board meeting in May where the District presents the Preliminary Operating and Capital Budget to the Board of Directors for adoption. The adoption of the Strategic Plan and Operating and Capital Budget on an annual basis gives the District its direction for the following fiscal year.

The District is accounted for and budgeted as an enterprise fund and conforms to the guidelines of generally accepted accounting principles (GAAP). The General Manager has the authority to transfer appropriations within the budget allocations or may request that the Board of Directors increase the current budgeted funds. The Operating and Capital Budgets are intended as a financial guide and may be modified by the Board of Directors during the 2014 fiscal year.

RESOLUTION NO. 4210

A RESOLUTION OF THE BOARD OF DIRECTORS OF
OTAY WATER DISTRICT ADOPTING THE
FISCAL YEAR 2013-2014
OPERATING AND CAPITAL BUDGET AND
SALARY SCHEDULE

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 2013-2014; and

WHEREAS, the Fiscal Year 2013-2014 Operating and Capital Budget, has been reviewed and considered by the Board;

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

WHEREAS, in connection with the adoption of the budget, the Board is also being presented with a listing of job classifications and salary schedule for its consideration, in order to comply with California Code of Regulations Section 570.5,

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 2013-2014.

BE IT FURTHER RESOLVED that the Board hereby approves and adopts the salary schedule included with the budget and, consistent with his authority over employee compensation under

both State law and the District's Code of Ordinances, authorizes the General Manager to update the salary schedule whenever necessary to reflect changes made within his authority.

PASSED, APPROVED AND ADOPTED by the Board of Directors of Otay Water District at a special board meeting held this 14th day of May 2013, by the following vote:

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



President

ATTEST:



District Secretary

Capital Improvement Program

The District provides water service to a population of approximately 211,000 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 a significant 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 that categorizes the projects as expansion, new water supply, replacement, or betterment, while maintaining a stable long-range financial plan.

The Adopted Capital Improvement Program (CIP) Budget for Fiscal Year 2013-2014 is \$14 million with the six-year CIP projections totaling \$107.1 million. This CIP Budget Notebook contains the project descriptions, project justifications, estimated expenditures, and estimated funding requirements for all the identified projects for fiscal years 2014 through 2019.

Assumptions and Criteria

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

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.

The Wastewater Master Plan is a comprehensive plan that considers required improvements to the District's wastewater collection system and identifies a preferred strategy for future wastewater management and recycled water generation and purchase. The scope of the plan is as follows:

1. Update of the wastewater flow projections for the Jamacha Basin.
2. Analysis of the wastewater collection system using the District's existing wastewater system hydraulic model to identify existing system deficiencies and to identify system

Capital Improvement Program

improvements and costs that will correct deficiencies and accommodate projected wastewater flows.

3. Analysis of existing and projected recycled water demands to determine additional recycled water supplies that are needed currently and through 2030.
4. Review of potential sources and costs of additional recycled water supplies.
5. Identification and analysis of local and regional options available to the District for future wastewater management and recycled water generation and purchase, to identify a preferred strategy or strategies.
6. Development of a capital improvement program for the recommended collection system and wastewater facility improvements.

CIP Justification and Impact on Operating Budget

Each year beginning in January, the engineering department reviews all CIP project budgets and evaluates 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 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. This schedule is shown on [page 30](#) in this section.



1485-1 Reservoir

1485-2 Pump Station



Capital Improvement Program

Capital Purchase and Facility Projects

All capital expenditures, including capital facility projects and capital purchases, are accounted for in the CIP. Capital purchase projects 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. Capital purchases include vehicles, office equipment, furniture, and field equipment expenditures. The Fiscal Year 2014 Board approved capital purchases are detailed on [page 36](#). Capital Facility Projects are items that exceed \$10,000 or \$20,000 for infrastructure related items (as defined under Capital Equipment on [page 170](#) of the Glossary) and have a useful life of at least two years. A detailed listing of the Capital Facility Projects are detailed on [page 28](#).

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

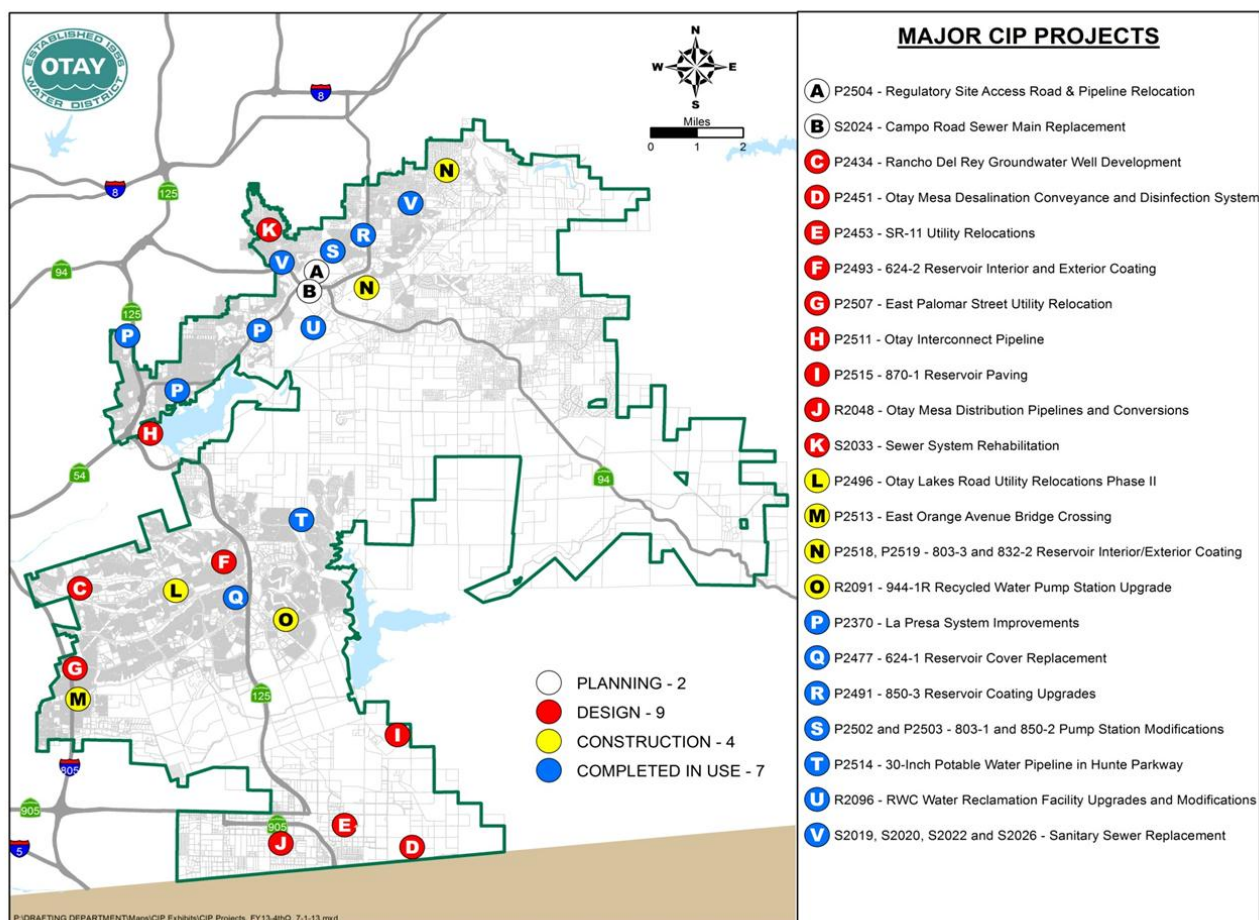
Capital Improvement Projects

The 2014 Fiscal Year CIP Budget contains 63 projects. The cost of the work planned for Fiscal Year 2014 is \$14 million. Of the 63 projects planned for Fiscal Year 2014, only five are designated as reimbursable projects with estimated costs totaling \$154,000. These projects are built by developers and reimbursed by the District.

The following shows how the \$14 million of projects are broken down into four categories:

1. Capital facility projects \$ 4.4 million
2. Replacement or renewal projects \$ 7.8 million
3. Capital purchase projects \$ 1.6 million
4. Developer reimbursement projects \$.2 million

The Six-Year CIP and Fiscal Year 2014 Capital Budget are consistent with the District's Water Resources Master Plan, the District's Waste Water Master Plan, current capacity fees, and the District's Strategic Management Performance Plan.

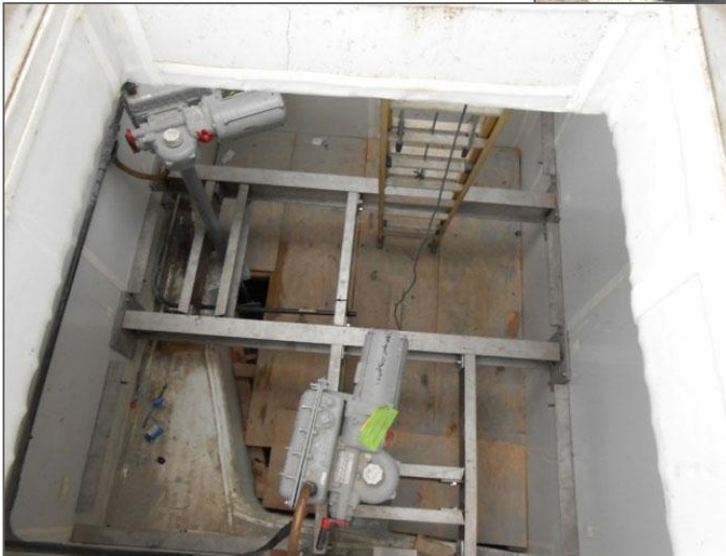


CIP Projects in Construction

Calavo Gardens Sewer
Rehabilitation
(S2019, S2020, S2022, S2026)



Final paving of private road along Avocado
Boulevard



Installation of grating supports in diversion vault at Rancho
San Diego Shopping Center

- Replacement of 4,500 linear feet of sewer
- Manhole rehabilitation/replacement
- Capacity upgrades
- New flow control and diversion vault for Calavo Lift Station
- \$3.35M Budget
- Start: February 2012
- Projected Completed: June 2013

CIP Projects in Construction

Reservoir 624-1 Floating
Cover Replacement
(P2477)



624-I Reservoir completed construction

- Install new reinforced polypropylene Geomembrane floating reservoir cover
- \$1.0M Budget
- Start: November 2012
- Project Completed: June 2013

CIP Projects in Construction



Final paving on
Hunte Parkway

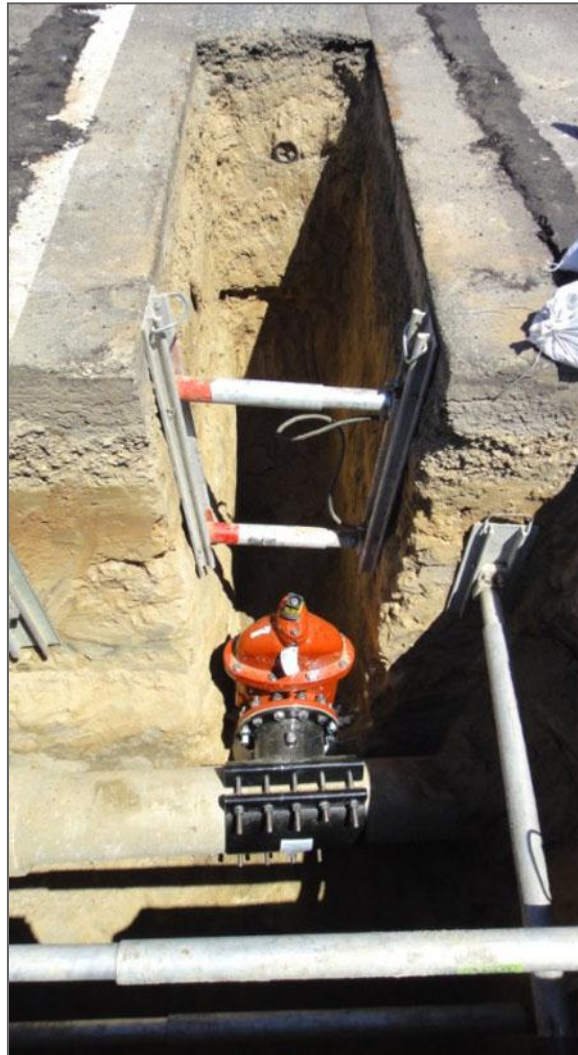


Hunte Parkway
30-Inch Potable Pipeline
(P2514)

- Installation of 2,250 linear feet of polyurethane coated steel pipe
- \$1.69M Budget
- Start: April 2012
- Project Completed: June 2013

CIP Projects in Construction

Orange Avenue/I-805
12-Inch Potable Water
Installation
(P2513)



Installation of 10-Inch hot tap connection at Melrose.

- Installation of new 12-Inch water line to replace the Palomar Avenue line during Palomar bridge replacement by Caltrans
- \$1.30M Budget
- Start: January 2013
- Estimated Completion: August 2013

CIP Projects in Construction

803-3 and 832-2 Reservoir
Interior/Exterior Coating and
Upgrades (P2518/P2519)



803-3 Reservoir interior coating progress

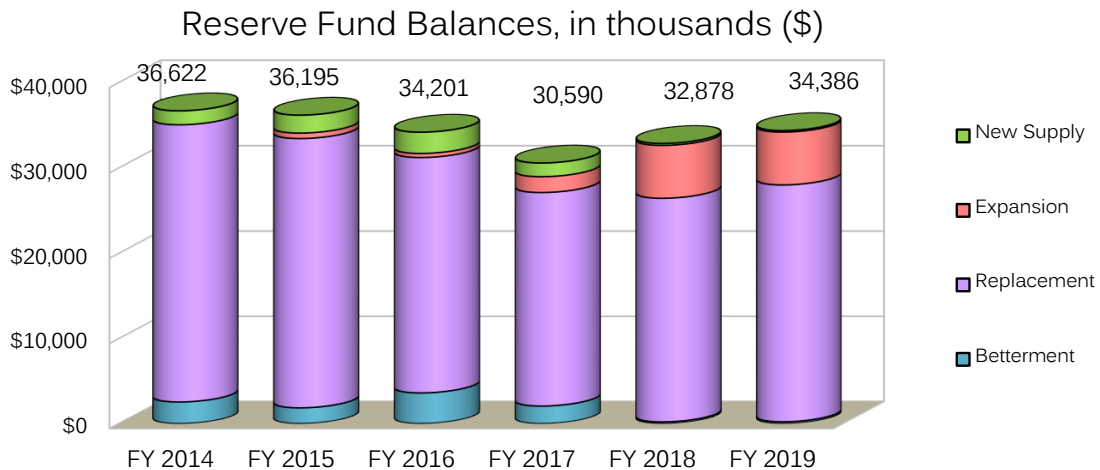


832-2 Ventilation and interior blasting equipment

- Remove and replace deteriorating reservoir coatings and structural modifications
- \$1.53M Budget
- Start: March 2013
- Estimated Completion: August 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.



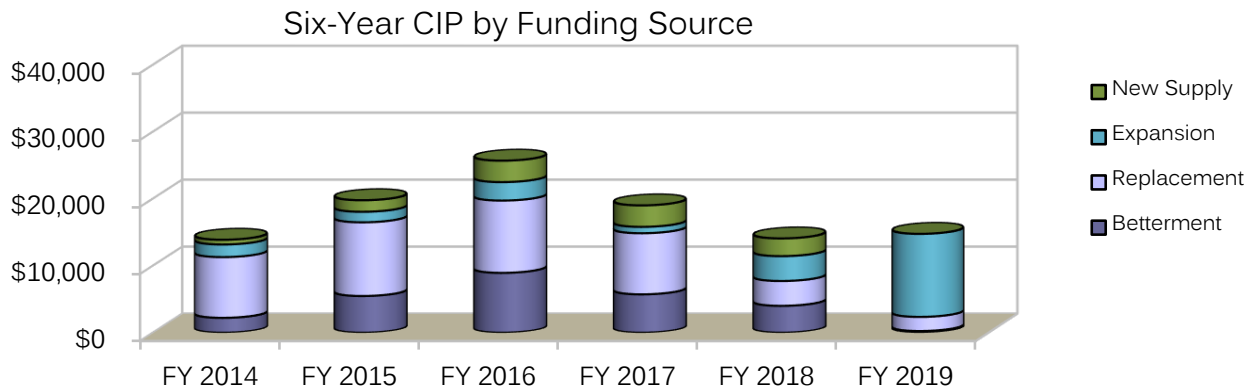
(Thousand \$000s)		FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Total
Beginning Balance	\$	42,560	\$ 36,622	\$ 36,196	\$ 34,201	\$30,590	\$ 32,878	
Capacity Fees	\$	3,114	\$ 5,717	\$ 7,225	\$ 10,029	\$10,931	\$ 12,187	\$ 49,202
Debt financing		-	2,875	3,575	1,570	-	-	8,020
Grants		92	17	627	500	-	-	1,236
Interest		150	160	249	297	538	824	2,218
Betterment Charges		866	885	903	920	936	950	5,460
Temporary Meters		416	416	417	418	421	422	2,510
Availability (Betterment Portion)		513	523	533	543	552	561	3,225
New Supply Fee		322	606	773	1,043	1,134	1,259	5,136
COPS 2010B Reimbursement		3,699	6,316	9,146	759	759	759	21,437
Transfer from General Fund		8,558	11,578	10,130	9,444	11,418	9,799	60,926
Interfund Transfers		65	65	69	17	31	45	292
Total Sources		17,792	29,157	33,646	25,540	26,718	26,806	159,661
CIP Projects		13,863	19,761	25,671	18,990	14,063	14,743	107,091
Betterment Fees for Maintenance		777	783	791	802	812	824	4,789
Debt Service		7,799	7,803	7,930	8,099	8,282	8,445	48,358
Developer Services		1,291	1,237	1,247	1,260	1,272	1,286	7,593
Total Uses		23,730	29,584	35,640	29,151	24,430	25,298	167,830
Net Sources (Uses)	\$	(5,937)	\$ (427)	\$ (1,995)	\$ (3,611)	\$ 2,288	\$ 1,508	\$ (8,170)
Ending Balance	\$	36,622	\$ 36,196	\$ 34,201	\$ 30,590	\$32,878	\$ 34,386	

CIP Funding Source and Category

CIP Funding Source

(Thousands \$000s)

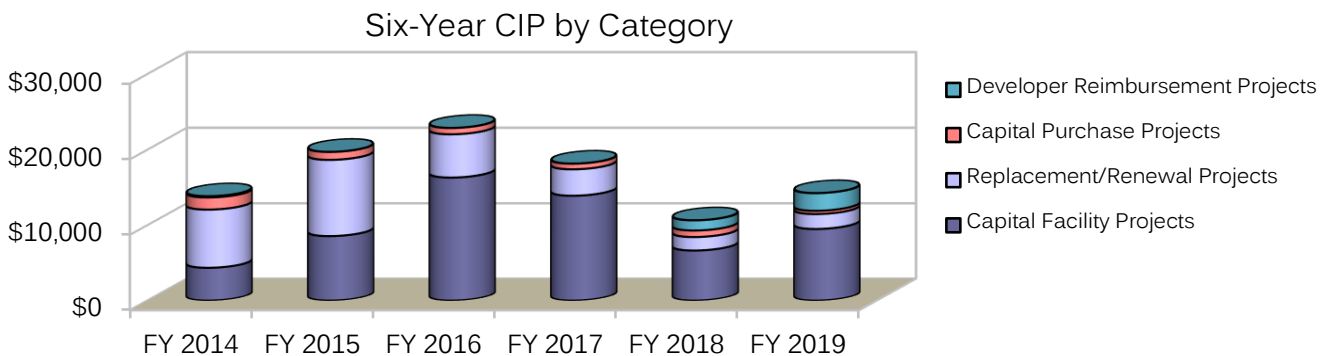
	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	TOTAL
Expansion	\$ 1,882	\$ 1,571	\$ 2,758	\$ 949	\$ 3,707	\$12,381	\$ 23,249
Betterment	2,219	5,478	8,925	5,725	4,010	253	26,609
Replacement	9,063	10,992	10,787	9,116	3,706	2,109	45,773
New Supply	700	1,720	3,200	3,200	2,640	-	11,460
TOTAL	\$13,863	\$19,761	\$25,671	\$18,990	\$14,063	\$14,743	\$107,091



CIP Category

(Thousands \$000s)

	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	TOTAL
Capital Facility Projects	\$ 4,362	\$ 8,572	\$16,342	\$13,932	\$ 6,656	\$ 9,518	\$ 59,382
Replacement/Renewal Projects	7,730	10,115	5,725	3,508	1,793	1,985	30,856
Capital Purchase Projects	1,617	1,049	833	743	868	428	5,538
Developer Reimbursement Projects	154	4	4	4	1,352	2,349	3,867
Subtotal	13,863	19,740	22,904	18,187	10,669	14,280	99,643
FY 2015 Through FY 2019 Projects	-	21	2,767	803	3,394	463	7,448
TOTAL	\$13,863	\$19,761	\$25,671	\$18,990	\$14,063	\$14,743	\$107,091



CIP Projects (\$1,000s)

The 2014 Fiscal Year CIP Budget contains 63 projects. The cost for the work planned for Fiscal Year 2014 is \$14 million. Of the 63 projects planned for Fiscal Year 2014, five are designated as reimbursable projects with an estimated cost of \$154 thousand. These projects are built by a developer and reimbursed by the District.

CIP No	Description	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Total
CAPITAL FACILITY PROJECTS								
P2083	PS - 870-2 Pump Station Replacement (28,000 GPM)	\$540	\$550	\$5,500	\$5,381			\$11,971
P2267	36-Inch Main Pumpouts and Air/Vacuum Ventilation Installations	5	195					200
P2434	Rancho Del Rey Groundwater Well Development	100						100
P2451	Otay Mesa Desalination Conveyance and Disinfection System	1,500	4,300	8,000	8,000	6,600		28,400
P2466	Regional Training Facility	14						14
P2486	Asset Management Plan Condition Assessment and Data	75	75	75	34			259
P2511	Otay Interconnect Pipeline	600	650	500				1,750
P2514	PL - 30-Inch, 980 Zone, Hunte Parkway - Proctor Valley/Use Area	130						130
P2537	Operations Yard Property Acquisition Improvements	50	235					285
P2539	South Bay Bus Rapid Transit (BRT) Utility Relocations	80	80	160				320
P2541	624 Pressure Zone PRSS	300	100	200				600
P2542	850-3 Reservoir Interior Coating	10	380	50				440
R2048	RecPL - Otay Mesa Distribution Pipelines and Conversions	100	1	1	1	50	1,547	1,700
R2058	RecPL - 16-Inch, 860 Zone, Airway Road - Otay Mesa/Alta	100	1	1	1	1	2,046	2,150
R2077	RecPL - 24-Inch, 860 Zone, Alta Road - Alta Gate/Airway	135	600	600	410			1,745
R2087	RecPL - 24-Inch, 927 Zone, Wueste Road - Olympic/Otay WTP	5	5	5	5	5	5,925	5,950
R2091	RecPS - 927-1 Pump Station Upgrade (10,000 GPM) and System Enhancements	250						250
R2107	RWCWRF Screening Compactor and Chlorine Injectors Enclosure	60						60
R2108	Res - 927-1 Reservoir Cover Replacement	100	1,300					1,400
R2110	RecPS - 927-1 Optimization and Pressure Zone modifications	150						150
S2039	Hidden Mountain Lift Station Enclosure	8						8
S2043	RWCWRF Sludge Handling System	50	100	1,250	100			1,500
22	Total Capital Facility Projects	4,362	8,572	16,342	13,932	6,656	9,518	59,382
REPLACEMENT/RENEWAL PROJECTS								
P2366	APCD Engine Replacements and Retrofits	5	250	225	220	243	45	988
P2382	Safety and Security Improvements	500	200	200	200	100	300	1,500
P2440	I-905 Utility Relocations	10						10
P2453	SR-11 Utility Relocations	125	700	565	700			2,090
P2477	Res - 624-1 Reservoir Cover Replacement	50						50
P2485	SCADA Communication System and Software Replacement	540	455					995
P2493	624-2 Reservoir Interior/Exterior Coating	1,550	390					1,940
P2494	Multiple Species Conservation Plan	60						60
P2495	San Miguel Habitat Management/Mitigation Area	140	180	190	200	200	200	1,110
P2496	Otay Lakes Road Utility Relocations	70						70
P2504	Regulatory Site Access Road and Pipeline Relocation	325	275					600
P2507	East Palomar Street Utility Relocation	230	375					605
P2508	Pipeline Cathodic Protection Replacement Program	60	125	100				285
P2513	East Orange Avenue Bridge Crossing	300						300
P2515	870-1 Reservoir Paving	490						490
P2518	803-3 Reservoir Interior/Exterior Coating	125						125
P2519	832-2 Reservoir Interior/Exterior Coating	335						335
P2520	Motorola Mobile Radio Upgrade	30						30
P2521	Large Meter Vault Upgrade Program	105	100	100	113			418
P2531	944-1 Reservoir Interior & Exterior Coating	5	160	10				175
P2532	944-2 Reservoir Interior & Exterior Coating	5	660	60				725
P2535	458-2 Reservoir Interior Coating	345	70					415
P2538	Administration and Operations Building Fire Sprinkler	100	300					400
R2109	Sweetwater River Wooden Trestle Improvement for the Recycled	100	100	150				350
R2111	RWCWRF - RAS Pump Replacement	100						100
S2012	San Diego County Sanitation District Outfall and RSD Outfall	450	450	450	450	450	440	2,690
S2024	Campo Road Sewer Main Replacement	275	1,975	2,375	825			5,450
S2027	Rancho San Diego Pump Station Rehabilitation	500	2,350					2,850
S2033	Sewer System Rehabilitation	800	1,000	1,300	800	800	1,000	5,700
29	Total Renewal & Replacements	7,730	10,115	5,725	3,508	1,793	1,985	30,856

CIP Projects (\$1,000s)

CIP No	Description	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Total
CAPITAL PURCHASE PROJECTS								
P2282	Vehicle Capital Purchases	266	450	450	475	500		2,141
P2285	Office Equipment and Furniture Capital Purchases	55	15	15				85
P2286	Field Equipment Capital Purchases	149	84	68	68	68	67	504
P2469	Information Technology Network and Hardware	350	100	100	100	200	200	1,050
P2470	Financial System Enhancements	130	100	100	100	100	161	691
P2540	Work Management System Replacement	300	300	100				700
S2042	Sewer Vehicle Capital Purchases	367						367
7	Total Capital Purchase	1,617	1,049	833	743	868	428	5,538
DEVELOPER REIMBURSEMENT PROJECTS								
R2082	RecPL - 24-Inch, 680 Zone, Olympic Parkway - Village 2/Heritage	1	1	1	1	1,000	742	1,746
R2083	RecPL - 20-Inch, 680 Zone, Heritage Road - Village 2/Olympic	1	1	1	1	1	395	400
R2084	RecPL - 20-Inch, 680 Zone, Village 2 - Heritage/La Media	1	1	1	1	350	617	971
R2085	RecPL - 20-Inch, 680 Zone, La Media - State/Olympic	1	1	1	1	1	595	600
R2094	Potable Irrigation Meters to Recycled Water Conversions	150						150
5	Total Reimbursement Projects	154	4	4	4	1,352	2,349	3,867
63	Total- FY2014 Projects	13,863	19,740	22,904	18,187	10,669	14,280	99,643
14	Total- FY2015 Through FY 2019 Projects	-	21	2,767	803	3,394	463	7,448
77	Grand Totals	\$ 13,863	\$ 19,761	\$ 25,671	\$ 18,990	\$ 14,063	\$ 14,743	\$ 107,091

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 Cat. ⁽²⁾	Funding Source ⁽³⁾	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	TOTAL
P2451	Otay Mesa Desalination Conveyance and Disinfection System	M/E/C	N/B	\$ -	\$ -	\$ -	\$ 4,000	\$ 33,500	\$ 38,500	\$ 76,000
P2466	Regional Training Facility	M	E/B	-	-	1,000	1,000	1,000	1,000	4,000
P2514	PL - 30-Inch, 980 Zone, Hunte Parkway - Proctor Valley/Use Area	M	E	700	700	700	700	700	700	4,200
R2082	RecPL - 24-Inch, 680 Zone, Olympic Parkway - Village 2/Heritage	M	E	-	-	-	-	-	1,200	1,200
R2083	RecPL - 20-Inch, 680 Zone, Heritage Road - Village 2/Olympic	M	E	-	-	-	-	-	700	700
R2084	RecPL - 20-Inch, 680 Zone, Village 2 - Heritage/La Media	M	E	-	-	-	-	-	1,900	1,900
R2085	RecPL - 20-Inch, 680 Zone, La Media - State/Olympic	M	E	-	-	1,300	1,300	-	-	2,600
R2109	Sweetwater River Wooden Trestle Improvement for the Recycled Water Forcemain	M	R	-	-	-	3,000	3,100	3,200	9,300
Total Operating Budget Cost Impact				700	700	3,000	10,000	38,300	47,200	99,900

Cost Category	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	TOTAL
Maintenance (M)	\$ 700	\$ 700	\$ 3,000	\$ 6,000	\$ 9,800	\$ 18,700	\$ 38,900
Energy (E)	-	-	-	3,000	25,000	25,000	53,000
Chemical (C)	-	-	-	1,000	3,500	3,500	8,000
Total Operating Budget Cost Impact	\$ 700	\$ 700	\$ 3,000	\$ 10,000	\$ 38,300	\$ 47,200	\$ 99,900

- ⁽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

Otay Water District
FY 2014 - FY 2019
CIP Project Schedule

CIP No.	Project Name	Start	Finish	13	2014	2015	2016	2017	2018	2019
				2Q3Q4	Q2Q3Q4	Q2Q3Q4	Q1Q2Q3Q4	Q2Q3Q4	Q2Q3Q4	Q2
CIP Number		Wed 7/10/13	Wed 7/10/13							
	Capital Facilities Projects	Wed 7/10/13	Wed 7/10/13							
P2083	PS - 870-2 Pump Station Replacement (28,000 GPM)	Wed 7/10/13	Wed 7/10/13							
	Planning	Wed 7/10/13	Sun 9/1/13							
	Design	Mon 9/2/13	Fri 1/30/15							
	Construction	Mon 2/2/15	Wed 11/2/16							
P2267	36-Inch Main Pumpouts and Air/Vacuum Ventilation Installations	Wed 7/10/13	Wed 7/10/13							
	Construction	Tue 7/1/97	Tue 5/31/16							
P2434	Rancho Del Rey Groundwater Well Development	Wed 7/10/13	Wed 7/10/13							
	Design	Mon 1/3/11	Fri 6/28/19							
	Construction	Wed 7/10/13	Wed 7/10/13							
P2451	Otay Mesa Desalination Conveyance and Disinfection System	Wed 7/10/13	Wed 7/10/13							
	Planning	Mon 7/3/06	Fri 6/27/14							
	Design	Tue 7/1/14	Tue 6/30/15							
	Construction	Wed 7/1/15	Mon 7/31/17							
P2466	Regional Training Facility	Wed 7/10/13	Wed 7/10/13							
	Planning	Mon 7/2/07	Fri 6/27/14							
P2486	Asset Management Plan Condition Assessment and Data Acquisition	Wed 7/10/13	Wed 7/10/13							
	Planning	Wed 7/1/09	Thu 6/29/17							
P2511	Otay Interconnect Pipeline	Wed 7/10/13	Wed 7/10/13							
	Design	Mon 6/3/13	Wed 12/31/14							
	Construction	Mon 7/1/19	Wed 6/30/21							
P2514	PL - 30-Inch, 980 Zone, Hunte Parkway - Proctor Valley/Use Area	Wed 7/10/13	Wed 7/10/13							
	Construction	Tue 1/1/13	Fri 11/29/13							
P2537	Operations Yard Property Acquisition Improvements	Wed 7/10/13	Wed 7/10/13							
	Design	Fri 2/1/13	Thu 7/31/14							
	Construction	Fri 8/1/14	Wed 7/1/15							
P2539	South Bay Bus Rapid Transit (BRT) Utility Relocations	Wed 7/10/13	Wed 7/10/13							
	Planning	Mon 7/1/13	Mon 6/30/14							
	Design	Tue 7/1/14	Wed 12/31/14							
	Construction	Thu 1/1/15	Wed 6/29/16							
P2541	624 Pressure Zone PRSs	Wed 7/10/13	Wed 7/10/13							
	Planning	Tue 4/23/13	Fri 8/23/13							
	Design	Mon 8/26/13	Tue 2/25/14							
	Construction	Wed 2/26/14	Fri 2/13/15							
P2542	850-3 Reservoir Interior Coating	Wed 7/10/13	Wed 7/10/13							
	Planning	Mon 5/5/14	Wed 7/30/14							
	Design	Fri 8/1/14	Thu 10/30/14							
	Construction	Mon 11/3/14	Fri 7/31/15							
R2048	RecPL - Otay Mesa Distribution Pipelines and Conversions	Wed 7/10/13	Wed 7/10/13							
	Design	Fri 1/1/10	Mon 6/1/15							

Otay Water District
FY 2014 - FY 2019
CIP Project Schedule

CIP No.	Project Name	Start	Finish	13	2014	2015	2016	2017	2018	2019
				2Q3Q4	Q2Q3Q4	Q2Q3Q4	Q1Q2Q3Q4	Q2Q3Q4	Q2Q3Q4	Q2
	Construction	Wed 7/1/15	Fri 6/28/19							
R2058	RecPL - 16-Inch, 860 Zone, Airway Road - Otay Mesa/Alta	Wed 7/10/13	Wed 7/10/13							
	Design	Fri 1/1/10	Fri 5/30/14							
	Construction	Mon 7/2/18	Fri 5/31/19							
R2077	RecPL - 24-Inch, 860 Zone, Alta Road - Alta Gate/Airway	Wed 7/10/13	Wed 7/10/13							
	Construction	Fri 7/1/11	Wed 5/31/17							
R2087	RecPL - 24-Inch, 927 Zone, Wueste Road - Olympic/Otay WTP	Wed 7/10/13	Wed 7/10/13							
	Construction	Fri 7/1/16	Fri 5/31/19							
R2091	RecPS - 927-1 Pump Station Upgrade (10,000 GPM) and System Enhancements	Wed 7/10/13	Wed 7/10/13							
	Construction	Wed 6/1/11	Fri 11/29/13							
R2107	RWCWRF Screening Compactor and Chlorine Injectors Enclosure	Wed 7/10/13	Wed 7/10/13							
	Construction	Mon 7/2/12	Fri 5/30/14							
R2108	Res - 927-1 Reservoir Cover Replacement	Wed 7/10/13	Wed 7/10/13							
	Planning	Mon 4/1/13	Mon 7/1/13							
	Design	Tue 7/2/13	Mon 8/26/13							
	Construction	Mon 9/2/13	Fri 5/30/14							
R2110	RecPS - 927-1 Optimization and Pressure Zone modifications	Wed 7/10/13	Wed 7/10/13							
	Planning	Mon 7/1/13	Mon 9/30/13							
	Design	Tue 10/1/13	Fri 11/29/13							
	Construction	Mon 12/2/13	Mon 12/2/13							
S2039	Hidden Mountain Lift Station Enclosure	Wed 7/10/13	Wed 7/10/13							
	Construction	Mon 7/2/12	Fri 11/29/13							
S2043	RWCWRF Sludge Handling System	Wed 7/10/13	Wed 7/10/13							
	Planning	Mon 7/1/13	Fri 11/28/14							
	Design	Mon 12/1/14	Mon 11/30/15							
	Construction	Tue 12/1/15	Wed 11/30/16							
	Replacement /Renewal	Wed 7/10/13	Wed 7/10/13							
P2366	APCD Engine Replacements and Retrofits	Wed 7/10/13	Wed 7/10/13							
	Planning	Fri 12/1/00	Thu 5/31/01							
	Design	Mon 7/2/01	Mon 5/31/10							
	Construction	Thu 7/1/10	Fri 5/31/19							
P2382	Safety and Security Improvements	Wed 7/10/13	Wed 7/10/13							
	Planning	Mon 7/1/02	Thu 7/31/03							
	Design	Mon 9/1/03	Mon 5/31/10							
	Construction	Mon 8/2/04	Wed 5/31/17							
P2440	I-905 Utility Relocations	Wed 7/10/13	Wed 7/10/13							
	Construction	Mon 10/2/06	Fri 11/29/13							
P2453	SR-11 Utility Relocations	Wed 7/10/13	Wed 7/10/13							

Otay Water District
FY 2014 - FY 2019
CIP Project Schedule

CIP No.	Project Name	Start	Finish	13	2014	2015	2016	2017	2018	2019
				2Q3Q4	Q2Q3Q4	Q2Q3Q4	Q1Q2Q3Q4	Q2Q3Q4	Q2Q3Q4	Q2
	Design	Mon 1/5/09	Wed 1/1/14							
	Construction	Wed 1/1/14	Thu 9/22/16							
P2477	Res - 624-1 Reservoir Cover Replacement	Wed 7/10/13	Wed 7/10/13							
	Construction	Wed 10/10/12	Fri 8/30/13							
P2485	SCADA Communication System and Software Replacement	Wed 7/10/13	Wed 7/10/13							
	Construction	Wed 7/1/09	Fri 5/29/15							
P2493	624-2 Reservoir Interior/Exterior Coating	Wed 7/10/13	Wed 7/10/13							
	Design	Tue 7/6/10	Fri 11/1/13							
	Construction	Fri 11/1/13	Thu 4/17/14							
P2494	Multiple Species Conservation Plan	Wed 7/10/13	Wed 7/10/13							
	Planning	Wed 7/1/09	Fri 6/27/14							
P2495	San Miguel Habitat Management/Mitigation Area	Wed 7/10/13	Wed 7/10/13							
	Planning	Wed 7/1/09	Fri 6/28/19							
P2496	Otay Lakes Road Utility Relocations	Wed 7/10/13	Wed 7/10/13							
	Construction	Fri 1/1/10	Mon 12/30/13							
P2504	Regulatory Site Access Road and Pipeline Relocation	Wed 7/10/13	Wed 7/10/13							
	Design	Mon 4/1/13	Wed 10/1/14							
	Construction	Thu 10/2/14	Tue 5/31/16							
P2507	East Palomar Street Utility Relocation	Wed 7/10/13	Wed 7/10/13							
	Construction	Mon 1/2/12	Fri 5/29/15							
P2508	Pipeline Cathodic Protection Replacement Program	Wed 7/10/13	Wed 7/10/13							
	Planning	Wed 11/3/10	Thu 10/3/13							
	Design	Fri 10/4/13	Wed 4/2/14							
	Construction	Thu 4/3/14	Thu 9/29/16							
P2513	East Orange Avenue Bridge Crossing	Wed 7/10/13	Wed 7/10/13							
	Construction	Mon 6/3/13	Fri 5/30/14							
P2515	870-1 Reservoir Paving	Wed 7/10/13	Wed 7/10/13							
	Planning	Thu 10/4/12	Tue 3/5/13							
	Design	Wed 3/6/13	Tue 9/2/14							
	Construction	Wed 9/3/14	Wed 3/4/15							
P2518	803-3 Reservoir Interior/Exterior Coating	Wed 7/10/13	Wed 7/10/13							
	Construction	Tue 1/1/13	Fri 8/30/13							
P2519	832-2 Reservoir Interior/Exterior Coating	Wed 7/10/13	Wed 7/10/13							
	Construction	Tue 1/1/13	Fri 8/30/13							
P2520	Motorola Mobile Radio Upgrade	Wed 7/10/13	Wed 7/10/13							
	Construction	Mon 8/1/11	Fri 6/27/14							
P2521	Large Meter Vault Upgrade Program	Wed 7/10/13	Wed 7/10/13							

Otay Water District
FY 2014 - FY 2019
CIP Project Schedule

CIP No.	Project Name	Start	Finish	13	2014	2015	2016	2017	2018	2019
				2Q3Q4	Q2Q3Q4	Q2Q3Q4	Q1Q2Q3Q4	Q2Q3Q4	Q2Q3Q4	Q2
	Construction	Mon 8/1/11	Tue 5/31/16							
P2531	944-1 Reservoir Interior & Exterior Coating	Wed 7/10/13	Wed 7/10/13							
	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	Wed 7/10/13	Wed 7/10/13							
	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							
P2535	458-2 Reservoir Interior Coating	Wed 7/10/13	Wed 7/10/13							
	Planning	Mon 6/3/13	Fri 9/27/13							
	Design	Tue 10/1/13	Mon 11/11/13							
	Construction	Fri 11/1/13	Thu 4/17/14							
P2538	Administration and Operations Building Fire Sprinkler Replacement Program	Wed 7/10/13	Wed 7/10/13							
	Design	Mon 7/1/13	Fri 3/21/14							
	Construction	Mon 3/24/14	Fri 12/19/14							
R2109	Sweetwater River Wooden Trestle Improvement for the Recycled Water Foremain	Wed 7/10/13	Wed 7/10/13							
	Planning	Mon 7/1/13	Fri 5/30/14							
	Design	Tue 7/1/14	Fri 5/29/15							
	Construction	Wed 7/1/15	Tue 5/31/16							
R2111	RWCWRF - RAS Pump Replacement	Wed 7/10/13	Wed 7/10/13							
	Construction	Wed 7/10/13	Wed 7/10/13							
S2012	San Diego County Sanitation District Outfall and RSD Outfall Replacement	Wed 7/10/13	Wed 7/10/13							
	Planning	Tue 7/1/03	Fri 5/31/19							
S2024	Campo Road Sewer Main Replacement	Wed 7/10/13	Wed 7/10/13							
	Planning	Thu 7/1/10	Fri 5/30/14							
	Design	Thu 5/1/14	Fri 1/30/15							
	Construction	Thu 1/1/15	Tue 3/1/16							
S2027	Rancho San Diego Pump Station Rehabilitation	Wed 7/10/13	Wed 7/10/13							
	Design	Mon 7/2/12	Mon 6/30/14							
	Construction	Tue 7/1/14	Mon 4/25/16							
S2033	Sewer System Rehabilitation	Wed 7/10/13	Wed 7/10/13							
	Planning	Fri 7/1/11	Thu 12/31/15							
	Design	Fri 3/1/13	Fri 12/30/16							
	Construction	Wed 1/1/14	Mon 12/31/18							
	Capital Purchases	Wed 7/10/13	Wed 7/10/13							
P2282	Vehicle Capital Purchases	Wed 7/10/13	Wed 7/10/13							
	Planning	Fri 12/1/00	Thu 5/31/18							

Otay Water District
FY 2014 - FY 2019
CIP Project Schedule

CIP No.	Project Name	Start	Finish	13	2014	2015	2016	2017	2018	2019
				2Q3Q4	Q2Q3Q4	Q2Q3Q4	Q1Q2Q3Q4	Q2Q3Q4	Q2Q3Q4	Q2
P2285	Office Equipment and Furniture Capital Purchases	Wed 7/10/13	Wed 7/10/13							
	Planning	Fri 12/1/00	Thu 5/31/18							
P2286	Field Equipment Capital Purchases	Wed 7/10/13	Wed 7/10/13							
	Planning	Mon 7/1/96	Fri 5/31/19							
P2469	Information Technology Network and Hardware	Wed 7/10/13	Wed 7/10/13							
	Planning	Tue 7/1/08	Fri 6/28/19							
P2470	Financial System Enhancements	Wed 7/10/13	Wed 7/10/13							
	Planning	Tue 7/1/08	Fri 5/31/19							
P2540	Work Order Management System Replacement	Wed 7/10/13	Wed 7/10/13							
	Construction	Mon 7/1/13	Wed 6/29/16							
S2042	Sewer Vehicle Capital Purchases	Wed 7/10/13	Wed 7/10/13							
	Planning	Mon 7/2/12	Fri 5/31/13							
	Developer Reimbursements	Wed 7/10/13	Wed 7/10/13							
R2082	RecPL - 24-Inch, 680 Zone, Olympic Parkway - Village 2/Heritage	Wed 7/10/13	Wed 7/10/13							
	Design	Mon 7/2/12	Fri 5/29/15							
	Construction	Wed 7/1/15	Tue 5/30/17							
R2083	RecPL - 20-Inch, 680 Zone, Heritage Road - Village 2/Olympic	Wed 7/10/13	Wed 7/10/13							
	Planning	Thu 7/1/04	Thu 11/30/17							
	Design	Fri 12/1/17	Tue 7/31/18							
	Construction	Wed 8/1/18	Tue 7/2/19							
R2084	RecPL - 20-Inch, 680 Zone, Village 2 - Heritage/La Media	Wed 7/10/13	Wed 7/10/13							
	Planning	Fri 7/1/05	Mon 6/1/15							
	Design	Wed 7/1/15	Wed 5/31/17							
	Construction	Mon 7/3/17	Fri 5/31/19							
R2085	RecPL - 20-Inch, 680 Zone, La Media - State/Olympic	Wed 7/10/13	Wed 7/10/13							
	Design	Mon 7/1/13	Fri 5/30/14							
	Construction	Tue 7/1/14	Fri 5/31/19							
R2094	Potable Irrigation Meters to Recycled Water Conversions	Wed 7/10/13	Wed 7/10/13							
	Construction	Fri 7/1/11	Fri 6/27/14							

FY 2014 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.

	Item#	Description	Amount
<u>Field Equipment</u>			
Operations			
	2	Replace backhoe, to be purchased from P2286 field equipment.	\$ 117,000
	3	Replace equipment trailer, to be purchased out of P2286 field equipment.	32,000
Total of Field Equipment			<u>149,000</u>
<u>Office Equipment</u>			
Finance			
	8	Replace Finance Printer/Copier. P2285	15,000
General Manager			
	9	Replace GM Printer/Copier P2285	15,000
Information Technology			
	10	Replace GIS plotter located in Engineering P2285	25,000
Total of Office Equipment			<u>55,000</u>
<u>Vehicles</u>			
Finance			
	5	Replace compact pick-up truck to be purchased from P2282 Vehicle Capital Purchases.	25,000
Operations			
	6	Replace crew truck, vehicle to be purchased from P2282 Vehicle Capital Purchase.	170,000
	7	Replace vactor model 2110 plus jet rodder. S2042	366,200
	4	Replace SUV, to be purchased from P2282 Vehicle Capital Purchase.	33,000
	1	Replace F150 pick-up truck, to be purchased out of P2282 Vehicle Capital Purchases.	38,000
Total of Vehicles			<u>632,200</u>
Grand Total :			<u><u>\$ 836,200</u></u>

Summary by Project

P2282 Vehicle	\$ 266,000
P2285 Office Equipment	\$ 55,000
P2286 Field	\$ 149,000
S2042 Sewer Vehicle	\$ 366,200
	<u><u>\$ 836,200</u></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.

CIP Projects Index

CIP No	Project Description	Page
CAPITAL FACILITY PROJECTS		
P2083	PS - 870-2 Pump Station Replacement (28,000 GPM)	42
P2267	36-Inch Main Pumpouts and Air/Vacuum Ventilation Installations	44
P2434	Rancho Del Rey Groundwater Well Development	46
P2451	Otay Mesa Desalination Conveyance and Disinfection System	48
P2466	Regional Training Facility	50
P2486	Asset Management Plan Condition Assessment and Data Acquisition	52
P2511	Otay Interconnect Pipeline	54
P2514	PL - 30-Inch, 980 Zone, Hunte Parkway - Proctor Valley/Use Area	56
P2537	Operations Yard Property Acquisition Improvements	58
P2539	South Bay Bus Rapid Transit (BRT) Utility Relocations	60
P2541	624 Pressure Zone PRSs	62
P2542	850-3 Reservoir Interior Coating	64
R2048	RecPL - Otay Mesa Distribution Pipelines and Conversions	66
R2058	RecPL - 16-Inch, 860 Zone, Airway Road - Otay Mesa/Alta	68
R2077	RecPL - 24-Inch, 860 Zone, Alta Road - Alta Gate/Airway	70
R2087	RecPL - 24-Inch, 927 Zone, Wueste Road - Olympic/Otay WTP	72
R2091	RecPS - 927-1 Pump Station Upgrade (10,000 GPM) and System Enhancements	74
R2107	RWCWRF Screening Compactor and Chlorine Injectors Enclosure	76
R2108	Res - 927-1 Reservoir Cover Replacement	78
R2110	RecPS - 927-1 Optimization and Pressure Zone modifications	80
S2039	Hidden Mountain Lift Station Enclosure	82
S2043	RWCWRF Sludge Handling System	84
22	Total Capital Facility Projects	

REPLACEMENT/RENEWAL PROJECTS		
P2366	APCD Engine Replacements and Retrofits	86
P2382	Safety and Security Improvements	88
P2440	I-905 Utility Relocations	90
P2453	SR-11 Utility Relocations	92
P2477	Res - 624-1 Reservoir Cover Replacement	94
P2485	SCADA Communication System and Software Replacement	96
P2493	624-2 Reservoir Interior/Exterior Coating	98
P2494	Multiple Species Conservation Plan	100
P2495	San Miguel Habitat Management/Mitigation Area	102
P2496	Otay Lakes Road Utility Relocations	104
P2504	Regulatory Site Access Road and Pipeline Relocation	106
P2507	East Palomar Street Utility Relocation	108

CIP Projects Index

CIP No	Project Description	Page
REPLACEMENT/RENEWAL PROJECTS, continued		
P2508	Pipeline Cathodic Protection Replacement Program	110
P2513	East Orange Avenue Bridge Crossing	112
P2515	870-1 Reservoir Paving	114
P2518	803-3 Reservoir Interior/Exterior Coating	116
P2519	832-2 Reservoir Interior/Exterior Coating	118
P2520	Motorola Mobile Radio Upgrade	120
P2521	Large Meter Vault Upgrade Program	122
P2531	944-1 Reservoir Interior & Exterior Coating	124
P2532	944-2 Reservoir Interior & Exterior Coating	126
P2535	458-2 Reservoir Interior Coating	128
P2538	Administration and Operations Building Fire Sprinkler Replacement Program	130
R2109	Sweetwater River Wooden Trestle Improvement for the Recycled Water Forcemain	132
R2111	RWCWRF - RAS Pump Replacement	134
S2012	San Diego County Sanitation District Outfall and RSD Outfall Replacement	136
S2024	Campo Road Sewer Main Replacement	138
S2027	Rancho San Diego Pump Station Rehabilitation	140
S2033	Sewer System Rehabilitation	142
29	Total Renewal & Replacements	

CAPITAL PURCHASE PROJECTS		
P2282	Vehicle Capital Purchases	144
P2285	Office Equipment and Furniture Capital Purchases	146
P2286	Field Equipment Capital Purchases	148
P2469	Information Technology Network and Hardware	150
P2470	Financial System Enhancements	151
P2540	Work Management System Replacement	154
S2042	Sewer Vehicle Capital Purchases	156
7	Total Capital Purchase	

DEVELOPER REIMBURSEMENT PROJECTS		
R2082	RecPL - 24-Inch, 680 Zone, Olympic Parkway - Village 2/Heritage	158
R2083	RecPL - 20-Inch, 680 Zone, Heritage Road - Village 2/Olympic	160
R2084	RecPL - 20-Inch, 680 Zone, Village 2 - Heritage/La Media	162
R2085	RecPL - 20-Inch, 680 Zone, La Media - State/Olympic	164
R2094	Potable Irrigation Meters to Recycled Water Conversions	166
5	Total Developer Reimbursement Projects	

PROJECT TITLE: PS - 870-2 Pump Station Replacement (28,000 GPM)				CIP Number: P2083			
				DIRECTOR DIVISION:		2	
PROJECT MANAGER:		Jeff Marchioro		I.D. LOCATION:		7	
ORIGINAL APPROVED DATE:		5/17/1995		PRIORITY:		1	
RELATED CIP PROJECTS:		P2451		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 their 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	FY	FY	FY	FY	FY	FY
TOTAL	2014	2015	2016	2017	2018	2019	Total
\$610	\$540	\$550	\$5,500	\$5,381	\$0	\$0	\$12,581

CIP Number: P2083

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:		9/1/2013	\$650
DESIGN:	9/1/2013	2/1/2015	\$1,100
CONSTRUCTION:	7/1/2015	4/1/2017	\$10,831

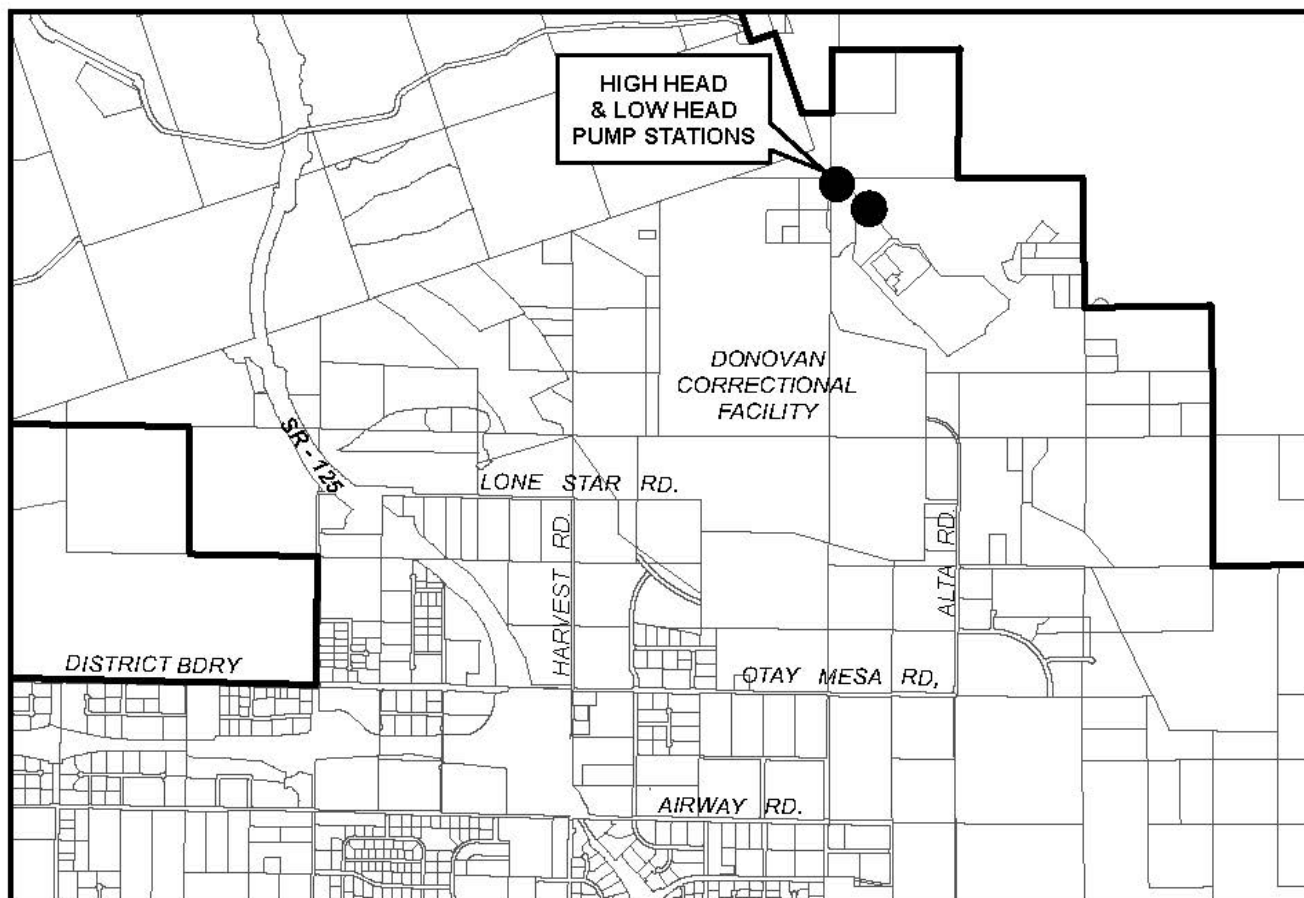
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: Bob Kennedy

Date: 4/25/2013

PROJECT TITLE: 36-Inch Main Pumpouts and Air/Vacuum Ventilation Installations				CIP Number: P2267			
				DIRECTOR DIVISION:		3	
PROJECT MANAGER:		Tadeo Vasquez		I.D. LOCATION:		1	
ORIGINAL APPROVED DATE:		6/3/1996		PRIORITY:		2	
RELATED CIP PROJECTS:				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	FY	FY	FY	FY	FY	FY
TOTAL	2014	2015	2016	2017	2018	2019	Total
\$235	\$5	\$195	\$0	\$0	\$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	6/1/2016	\$435

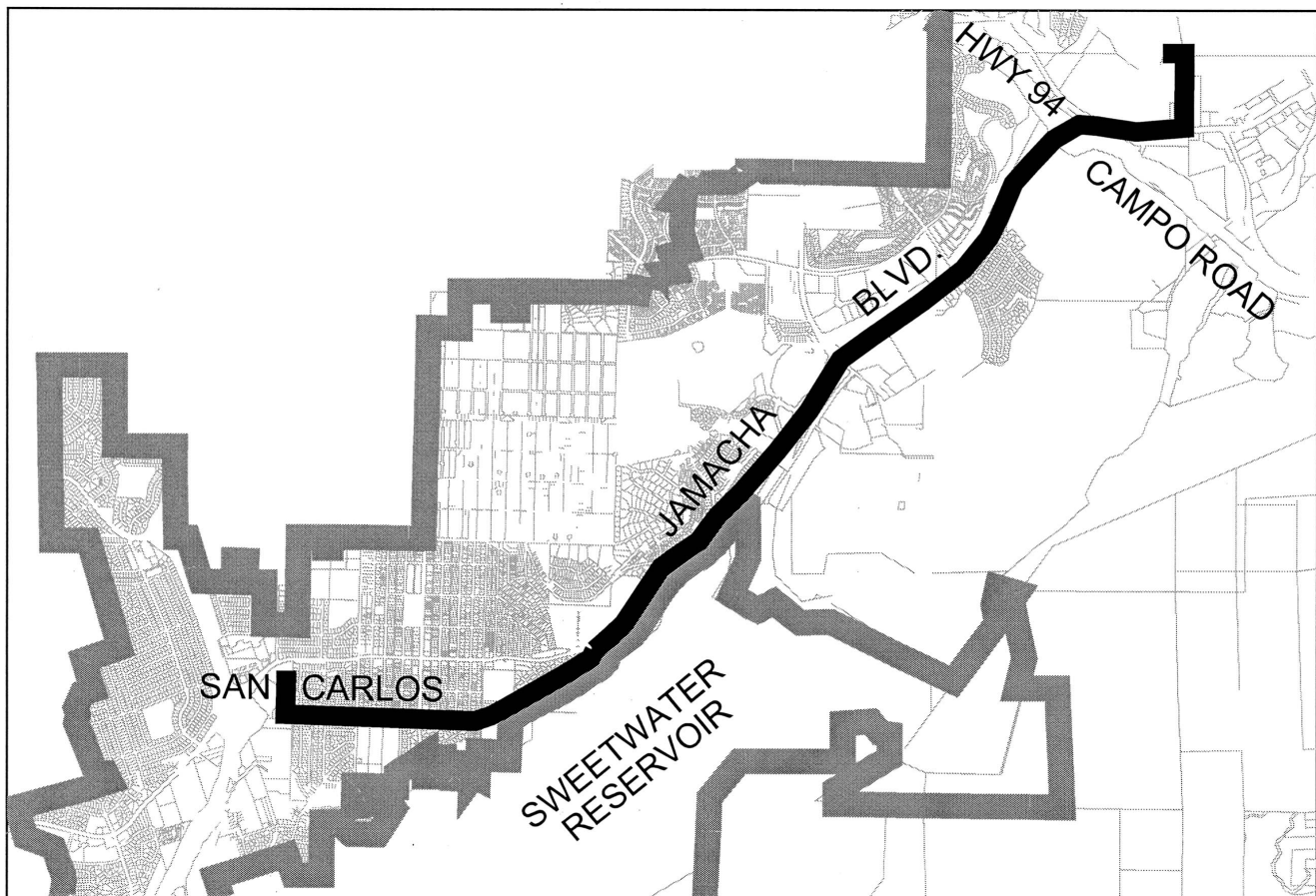
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: Bob Kennedy

Date: 4/23/2013

PROJECT TITLE: Rancho Del Rey Groundwater Well Development				CIP Number: P2434			
				DIRECTOR DIVISION:		2	
PROJECT MANAGER:		Jeff Marchioro		I.D. LOCATION:		22	
ORIGINAL APPROVED DATE:		5/21/2009		PRIORITY:		1	
RELATED CIP PROJECTS:				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:

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	FY	FY	FY	FY	FY	FY
TOTAL	2014	2015	2016	2017	2018	2019	Total
\$3,700	\$100	\$0	\$0	\$0	\$0	\$0	\$3,800

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	12/31/2013	\$1,200
CONSTRUCTION:			\$4,900

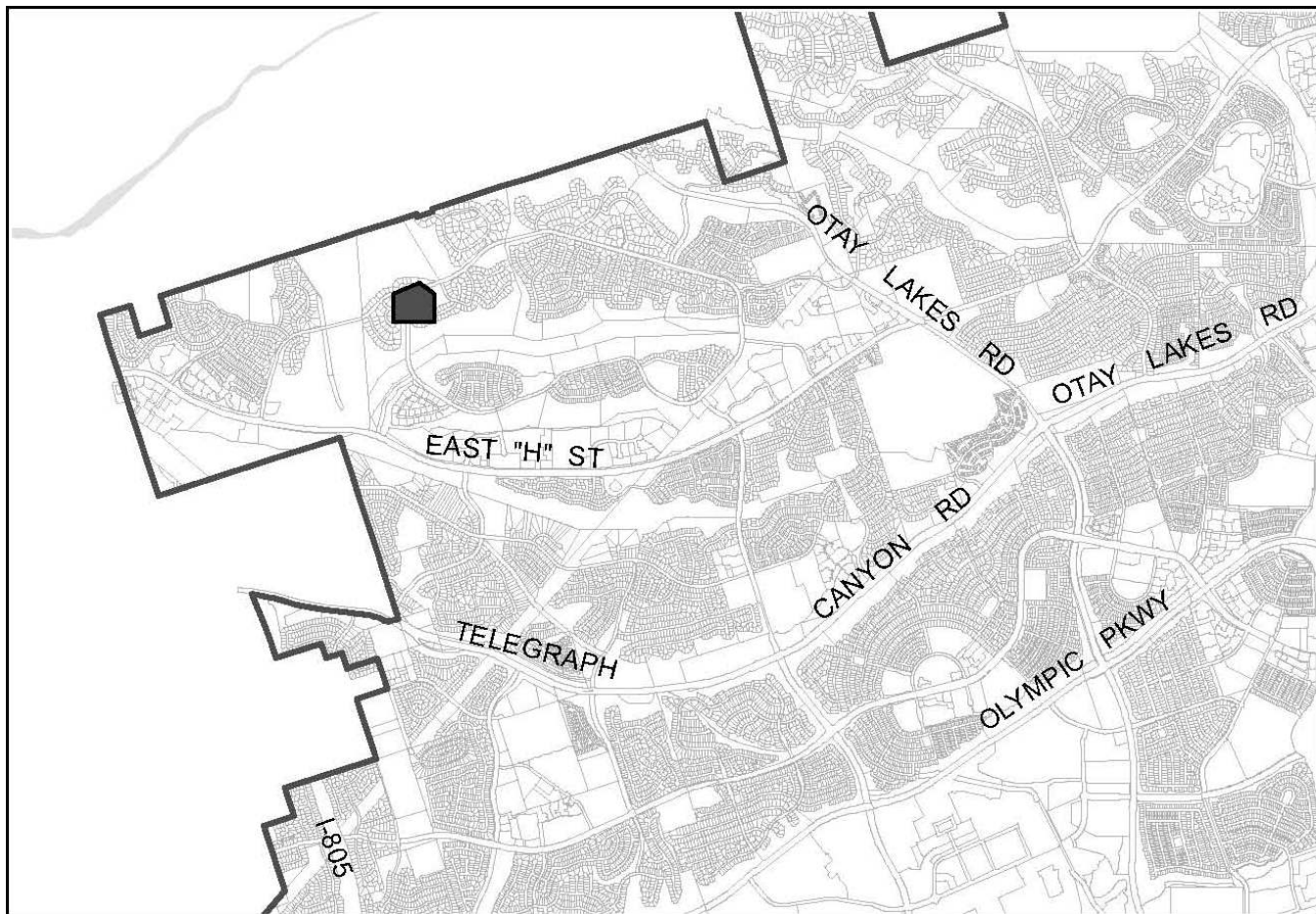
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: 1310

OWD Map Book: 127



Submitted By: Bob Kennedy

Date: 4/25/2013

PROJECT TITLE: Otay Mesa Desalination Conveyance and Disinfection System				CIP Number: P2451			
				DIRECTOR DIVISION:		2	
PROJECT MANAGER:		Bob Kennedy		I.D. LOCATION:		7	
ORIGINAL APPROVED DATE:		5/23/2006		PRIORITY:		1	
RELATED CIP PROJECTS:		P2083		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	FY	FY	FY	FY	FY	FY
TOTAL	2014	2015	2016	2017	2018	2019	Total
\$1,600	\$1,500	\$4,300	\$8,000	\$8,000	\$6,600	\$0	\$30,000

CIP Number: P2451

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2006	6/30/2014	\$2,500
DESIGN:	7/1/2014	7/1/2015	\$3,300
CONSTRUCTION:	7/1/2015	8/1/2017	\$24,200

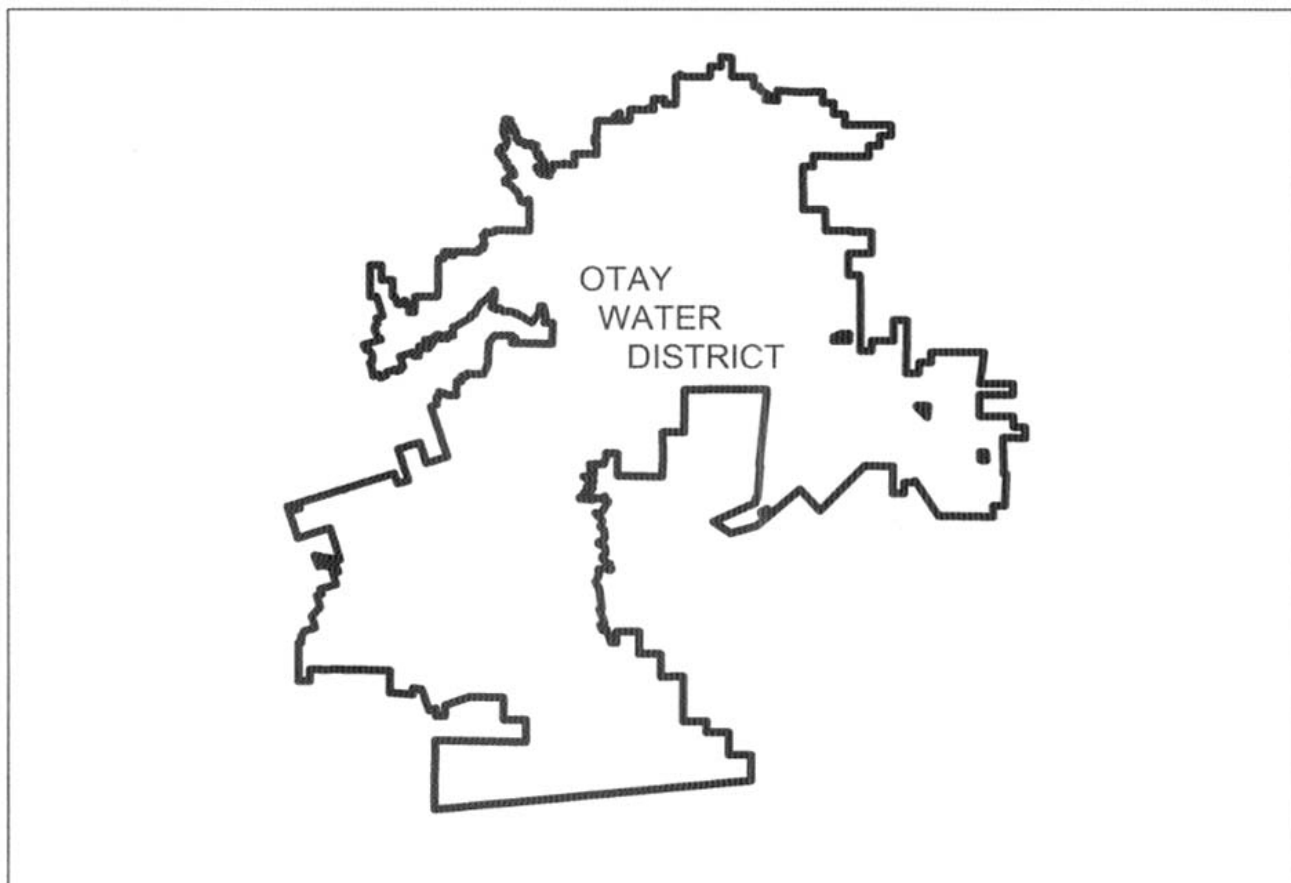
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	Total
MAINT:	\$0	\$0	\$0	\$0	\$5,000	\$10,000	\$15,000
ENERGY:	\$0	\$0	\$0	\$3,000	\$25,000	\$25,000	\$53,000
CHEMICAL:	\$0	\$0	\$0	\$1,000	\$3,500	\$3,500	\$8,000

PROJECT LOCATION:

Thomas Bros. Map:

OWD Map Book:



Submitted By: Bob Kennedy

Date: 4/25/2013

PROJECT TITLE: Regional Training Facility				CIP Number: P2466			
				DIRECTOR DIVISION: 5			
PROJECT MANAGER:		Lisa Coburn-Boyd		I.D. LOCATION:		20	
ORIGINAL APPROVED DATE:		5/29/2007		PRIORITY:		1	
RELATED CIP PROJECTS:		P2504		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	FY	FY	FY	FY	FY	FY
TOTAL	2014	2015	2016	2017	2018	2019	Total
\$286	\$14	\$0	\$0	\$0	\$0	\$0	\$300

CIP Number: P2466

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2007	6/30/2014	\$300
DESIGN:			\$0
CONSTRUCTION:			\$0

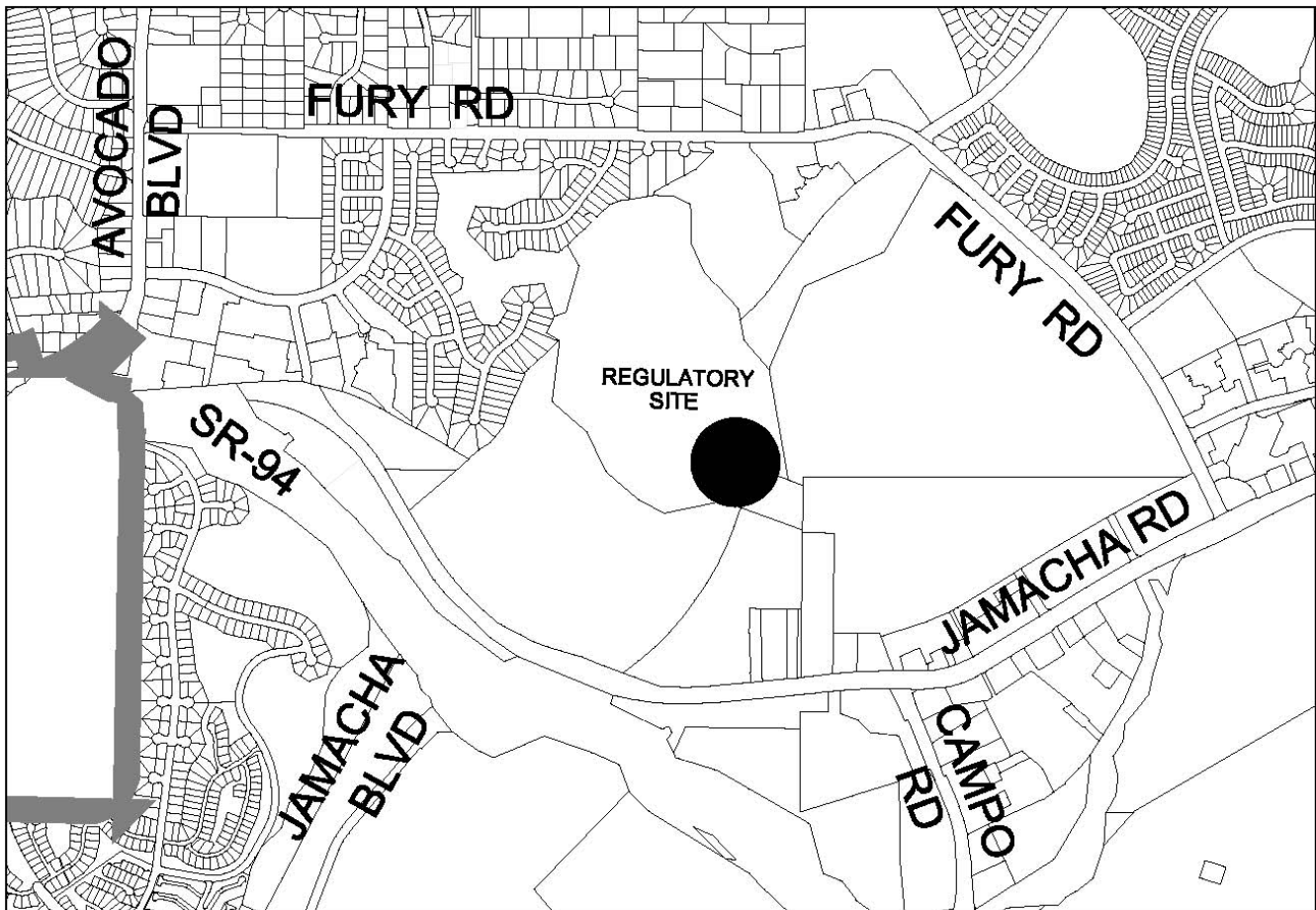
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	Total
MAINT:	\$0	\$0	\$1,000	\$1,000	\$1,000	\$1,000	\$4,000
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: Bob Kennedy

Date: 4/25/2013

PROJECT TITLE: Asset Management Plan Condition Assessment and Data Acquisition		CIP Number: P2486	
		DIRECTOR DIVISION:	0
PROJECT MANAGER:	Ming Zhao	I.D. LOCATION:	District Wide
ORIGINAL APPROVED DATE:	5/21/2009	PRIORITY:	1
RELATED CIP PROJECTS:		BUDGET AMOUNT:	\$1,090,000

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. This project covers the replacement of our existing and obsolete work order system (IMS) and the integration of asset information to fully support asset management - \$259K over FY2014-2019.

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	2014	2015	2016	2017	2018	2019	Total
\$831	\$75	\$75	\$75	\$34	\$0	\$0	\$1,090

CIP Number: P2486

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2009	6/30/2017	\$1,090
DESIGN:			\$0
CONSTRUCTION:			\$0

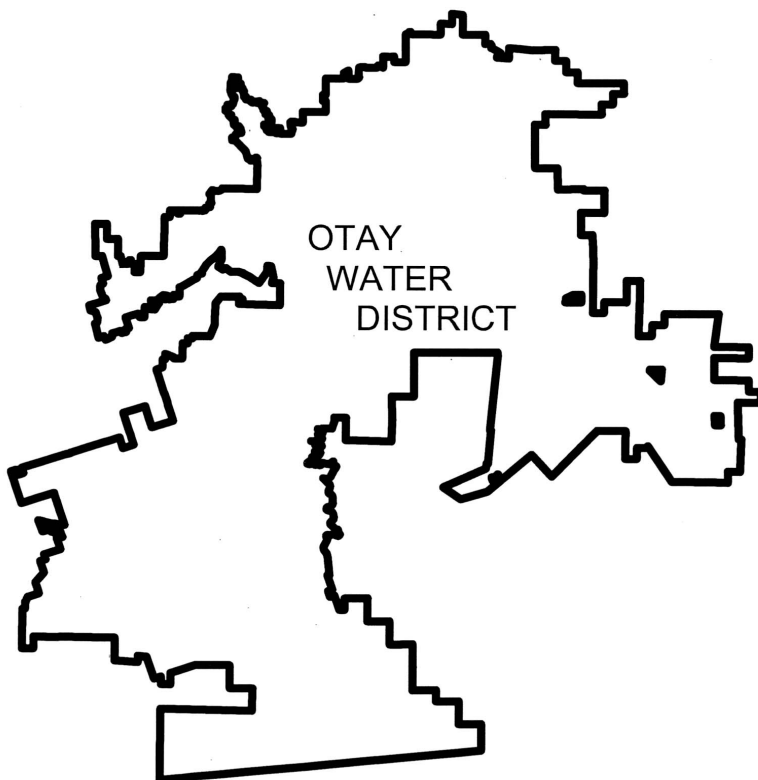
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: 4/25/2013

PROJECT TITLE: Otay Interconnect Pipeline				CIP Number: P2511			
				DIRECTOR DIVISION: 3			
PROJECT MANAGER:		Jeff Marchioro		I.D. LOCATION:		1	
ORIGINAL APPROVED DATE:		5/17/2010		PRIORITY:		1	
RELATED CIP PROJECTS:		P2528		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 Districts. This project was previously titled "North District - South District Interconnection System."

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:

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	FY	FY	FY	FY	FY	FY
TOTAL	2014	2015	2016	2017	2018	2019	Total
	\$1,700	\$600	\$650	\$500	\$0	\$0	\$0
							\$3,450

CIP Number: P2511

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2010	6/1/2013	\$1,250
DESIGN:	6/1/2013	6/30/2016	\$2,200
CONSTRUCTION:	7/1/2019	7/1/2021	\$33,850

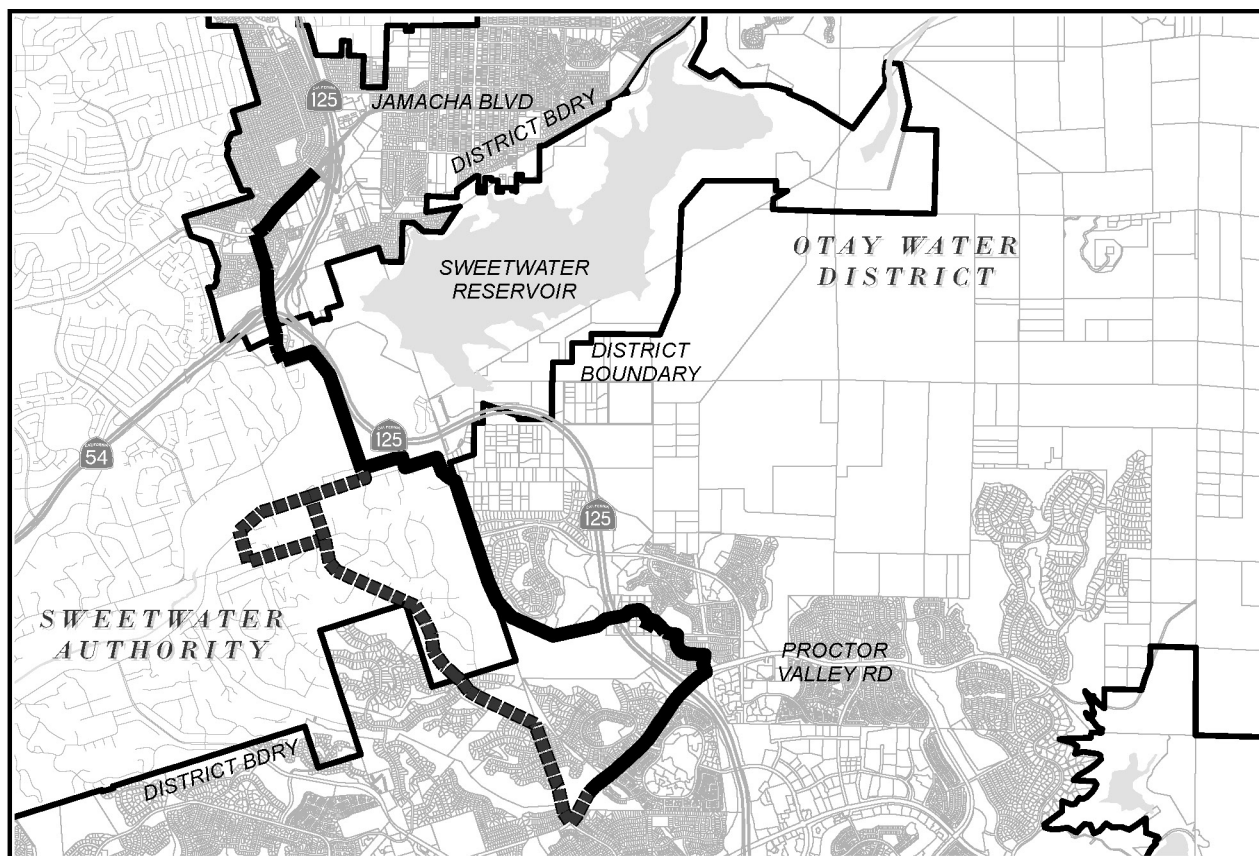
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: Bob Kennedy

Date: 4/25/2013

PROJECT TITLE: PL - 30-Inch, 980 Zone, Hunte Parkway - Proctor Valley/Use Area		CIP Number: P2514	
		DIRECTOR DIVISION:	5
PROJECT MANAGER:	Dan Martin	I.D. LOCATION:	22
ORIGINAL APPROVED DATE:	5/16/2011	PRIORITY:	1
RELATED CIP PROJECTS:		BUDGET AMOUNT:	\$1,815,000

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: Project under construction.

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	2014	2015	2016	2017	2018	2019	Total
\$1,685	\$130	\$0	\$0	\$0	\$0	\$0	\$1,815

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	12/1/2013	\$1,515

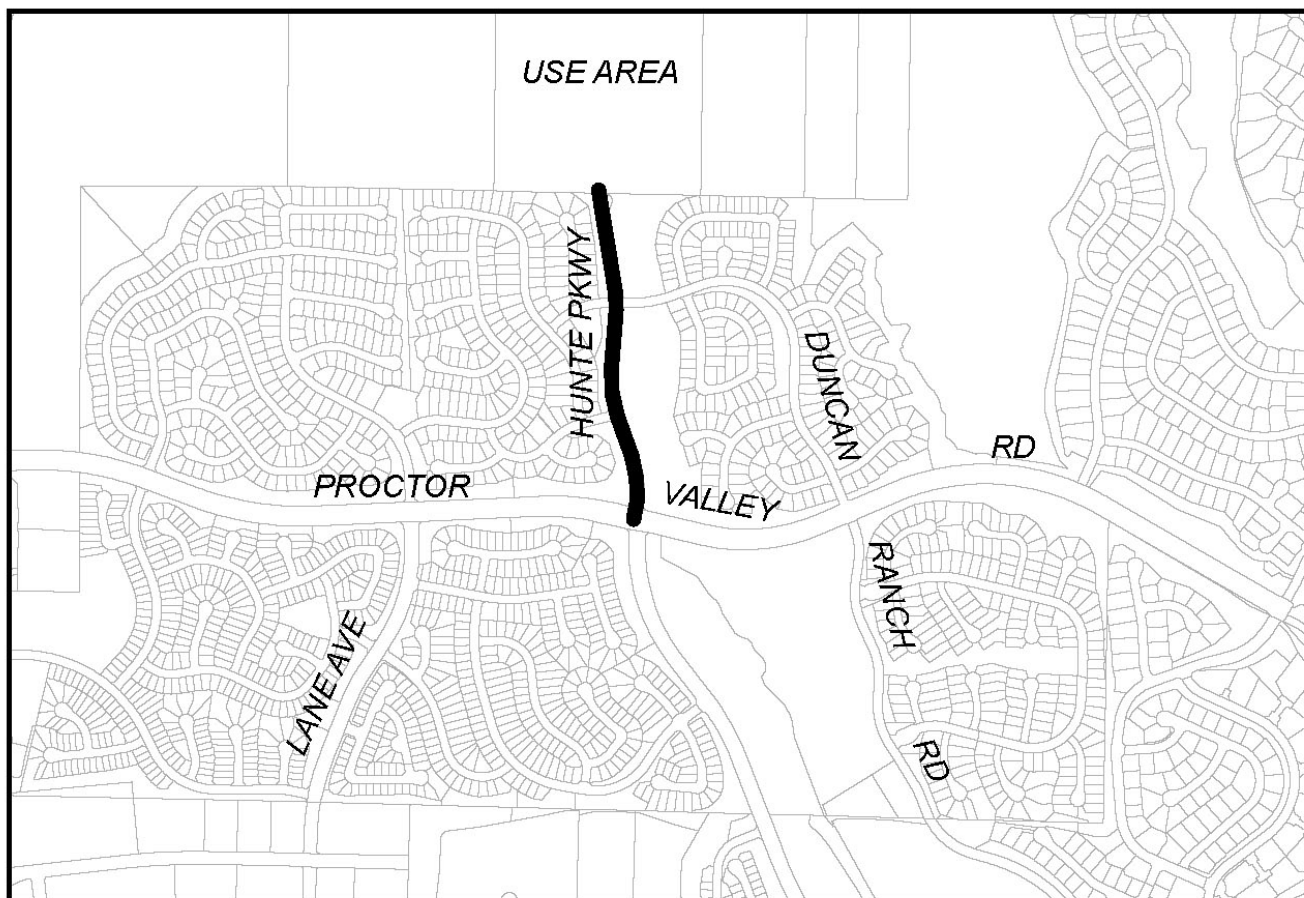
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	Total
MAINT:	\$700	\$700	\$700	\$700	\$700	\$700	\$4,200
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: Bob Kennedy

Date: 4/30/2013

PROJECT TITLE: Operations Yard Property Acquisition Improvements				CIP Number: P2537			
				DIRECTOR DIVISION:		4	
PROJECT MANAGER:		Bob Kennedy		I.D. LOCATION:		20	
ORIGINAL APPROVED DATE:		11/13/2008		PRIORITY:		1	
RELATED CIP PROJECTS:		P2479		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	FY	FY	FY	FY	FY	FY
TOTAL	2014	2015	2016	2017	2018	2019	Total
\$15	\$50	\$235	\$0	\$0	\$0	\$0	\$300

CIP Number: P2537

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	6/1/2008	6/1/2013	\$5
DESIGN:	7/1/2013	6/1/2014	\$60
CONSTRUCTION:	7/1/2014	6/1/2015	\$235

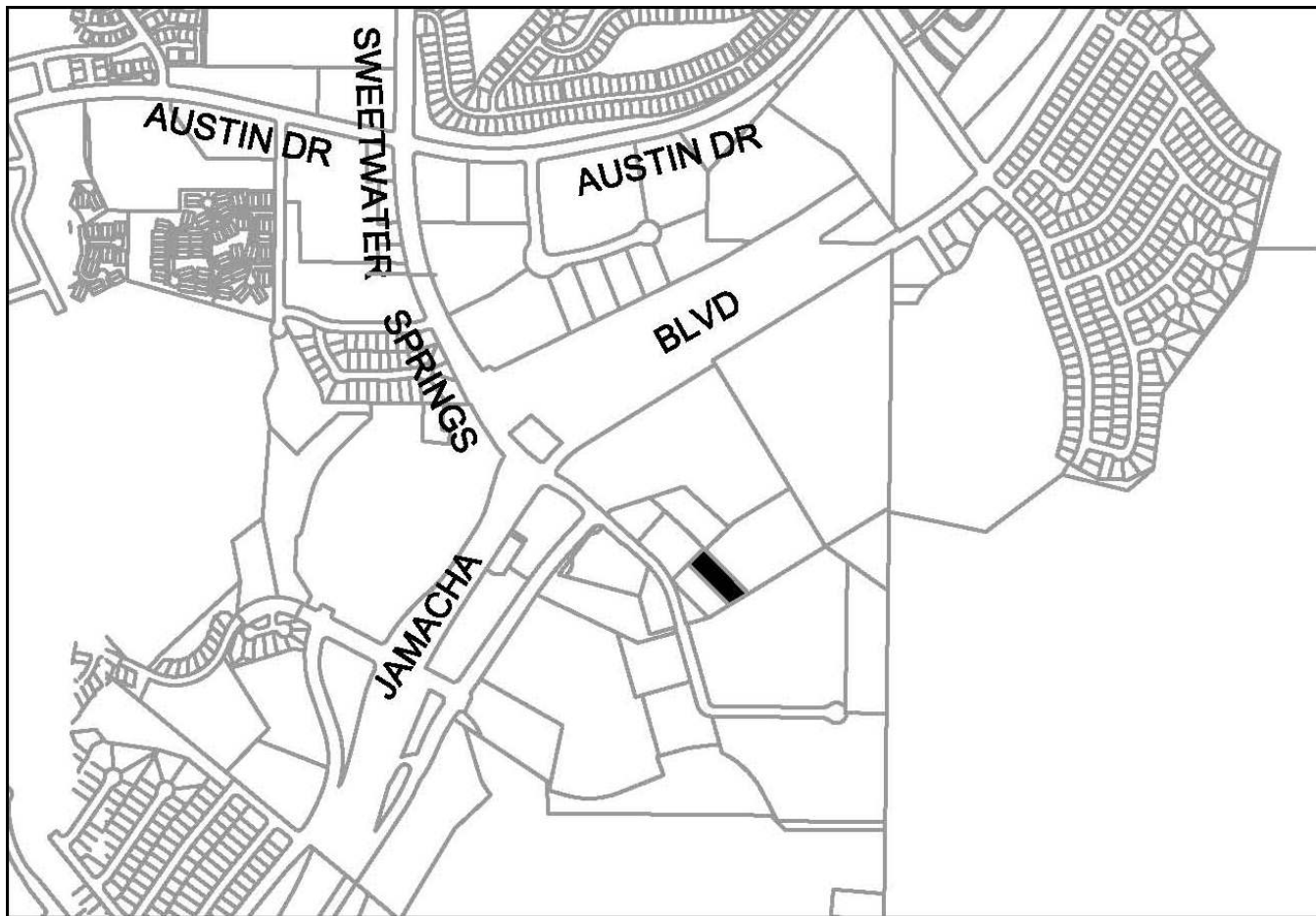
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: Bob Kennedy

Date: 4/29/2013

PROJECT TITLE: South Bay Bus Rapid Transit (BRT) Utility Relocations				CIP Number: P2539			
				DIRECTOR DIVISION:		1	
PROJECT MANAGER:		Bob Kennedy		I.D. LOCATION:		22/27	
ORIGINAL APPROVED DATE:				PRIORITY:		1	
RELATED CIP PROJECTS:				BUDGET AMOUNT:		\$320,000	

DESCRIPTION OF PROJECT:

 This project provides funding for all utility relocations required due to construction of South Bay BRT. Facility relocations vary in size and they impact both the potable and recycled water systems.

JUSTIFICATION OF PROJECT:

 Project improvements will affect the locations of some OWD facilities in streets in Chula Vista. Engineering/staff time will be needed to review the design drawings and identify any OWD facilities which will need relocation or vertical adjustment. A construction budget is also needed for the work in relocating and adjusting these facilities.

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	2014	2015	2016	2017	2018	2019	Total
\$0	\$80	\$80	\$160	\$0	\$0	\$0	\$320

CIP Number: P2539

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2013	7/1/2014	\$80
DESIGN:	7/1/2014	1/1/2015	\$80
CONSTRUCTION:	1/1/2015	6/30/2016	\$160

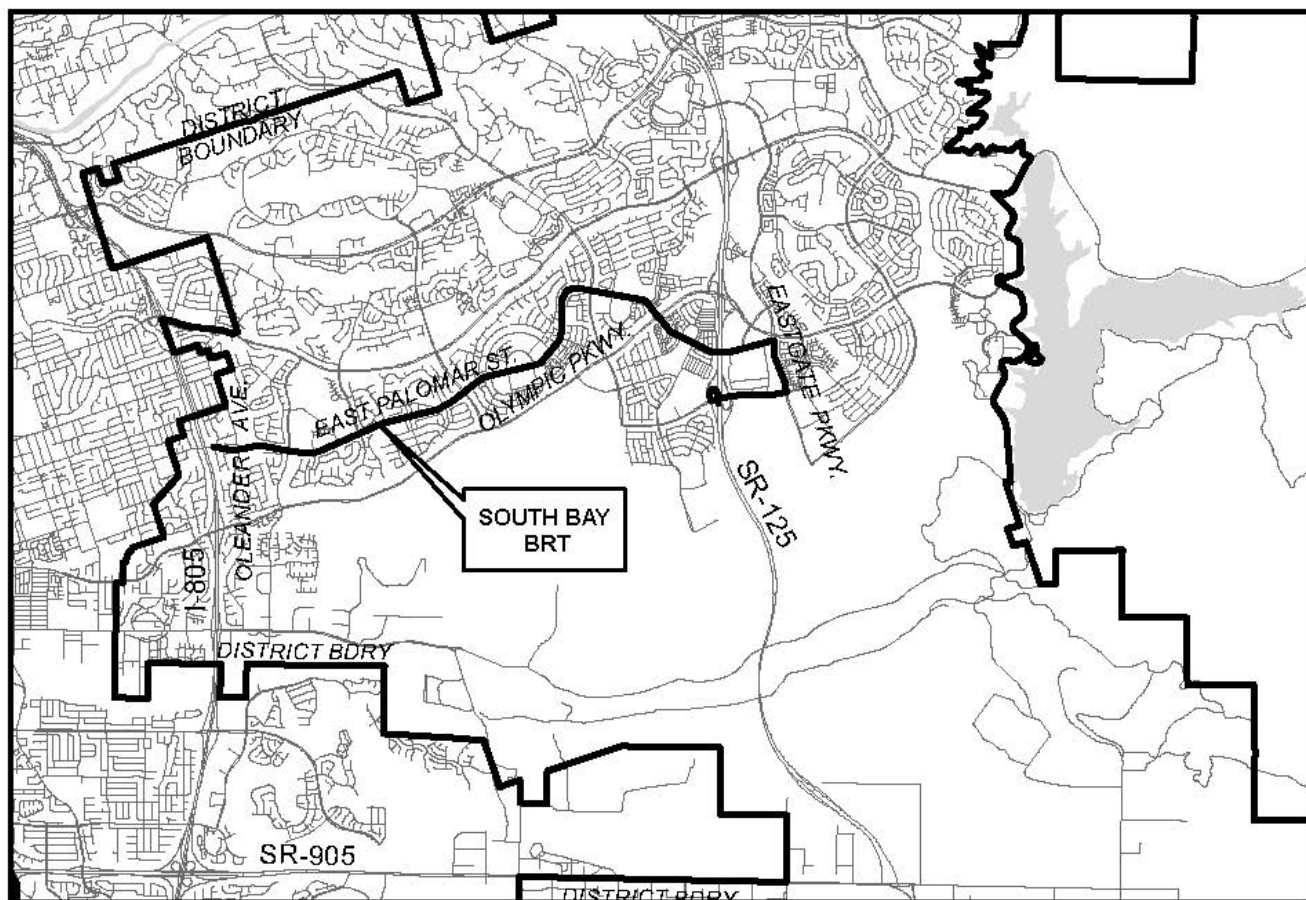
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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, 1330,
1331

OWD Map Book: 80-82, 97-99,
113 &



Submitted By: Bob Kennedy

Date: 4/29/2013

PROJECT TITLE: 624 Pressure Zone PRSs				CIP Number: P2541			
				DIRECTOR DIVISION: 2			
PROJECT MANAGER: Jeff Marchioro				I.D. LOCATION: 10, 22			
ORIGINAL APPROVED DATE:				PRIORITY: 1			
RELATED CIP PROJECTS: P2434				BUDGET AMOUNT: \$600,000			

DESCRIPTION OF PROJECT:

 This project will provide two pressure reducing stations feeding the 458 and 485 Pressure Zones from the 624 Pressure Zone (Sequoia & Brandywine 624/458 PRS and Terra Nova Drive 624/485 PRS, respectively).

JUSTIFICATION OF PROJECT:

 This project would upgrade the 485 and 485 Pressure Zones to improve fire flow and enhance system reliability. The 624/485 PRS project will also improve blending and distribution of treated water from the future Rancho Del Rey Groundwater Well (CIP P2434).

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Betterment ID 10	0 %	50 %	0 %	0 %	50 %
Betterment ID 22	0 %	50 %	0 %	0 %	50 %
TOTAL:	0 %	100 %	0 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2014	2015	2016	2017	2018	2019	Total
\$0	\$300	\$100	\$200	\$0	\$0	\$0	\$600

CIP Number: P2541

PROJECT SCHEDULE:

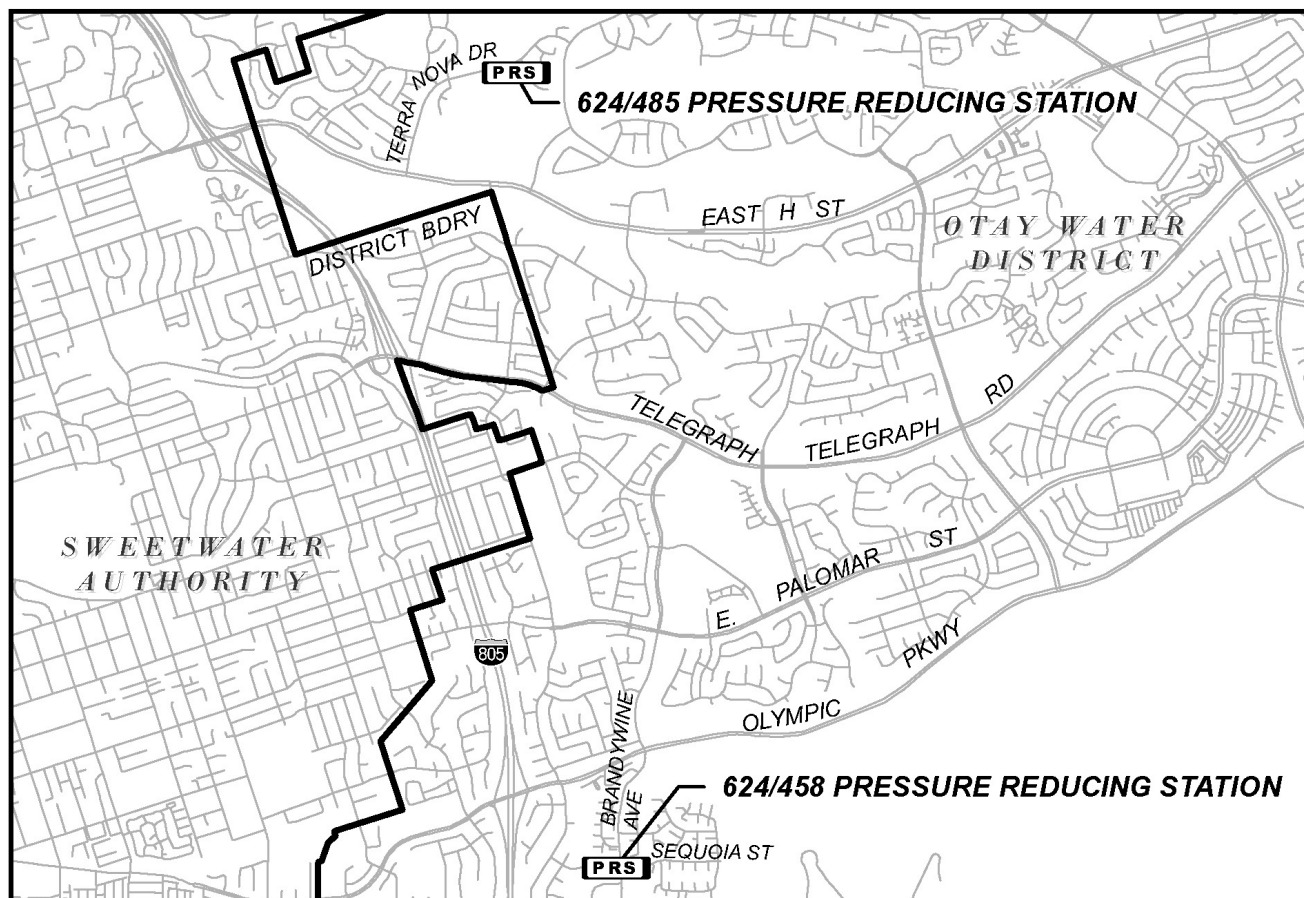
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2013	10/1/2014	\$10
DESIGN:	8/1/2013	7/1/2015	\$75
CONSTRUCTION:	1/8/2014	6/30/2016	\$515

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: 1310

OWD Map Book: 127



Submitted By: Bob Kennedy

Date: 4/25/2013

PROJECT TITLE: 850-3 Reservoir Interior Coating				CIP Number: P2542																											
				DIRECTOR DIVISION: 5																											
PROJECT MANAGER: Kevin Cameron				I.D. LOCATION: 20																											
ORIGINAL APPROVED DATE:				PRIORITY: 2																											
RELATED CIP PROJECTS:				BUDGET AMOUNT: \$440,000																											
DESCRIPTION OF PROJECT: This project provides funding for the interior coating of the 850-3 Reservoir.																															
JUSTIFICATION OF PROJECT: The interior coating is in poor condition and in need of replacement.																															
COMMENTS:																															
FUND DETAILS: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">FUNDING SOURCE:</th> <th>Expansion</th> <th>Betterment</th> <th>Replacement</th> <th>New Water Supply</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Replacement</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> <tr> <td>TOTAL:</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> </tbody> </table>								FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total	Replacement	0 %	0 %	100 %	0 %	100 %	TOTAL:	0 %	0 %	100 %	0 %	100 %						
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): <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>PRIOR YEARS:</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> </tr> <tr> <th>TOTAL</th> <th>2014</th> <th>2015</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$10</td> <td style="text-align: right;">\$380</td> <td style="text-align: right;">\$50</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$440</td> </tr> </tbody> </table>								PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY	TOTAL	2014	2015	2016	2017	2018	2019	Total	\$0	\$10	\$380	\$50	\$0	\$0	\$0	\$440
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY																								
TOTAL	2014	2015	2016	2017	2018	2019	Total																								
\$0	\$10	\$380	\$50	\$0	\$0	\$0	\$440																								

CIP Number: P2542

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	5/5/2014	7/31/2014	\$10
DESIGN:	8/1/2014	10/31/2014	\$60
CONSTRUCTION:	11/3/2014	8/1/2015	\$370

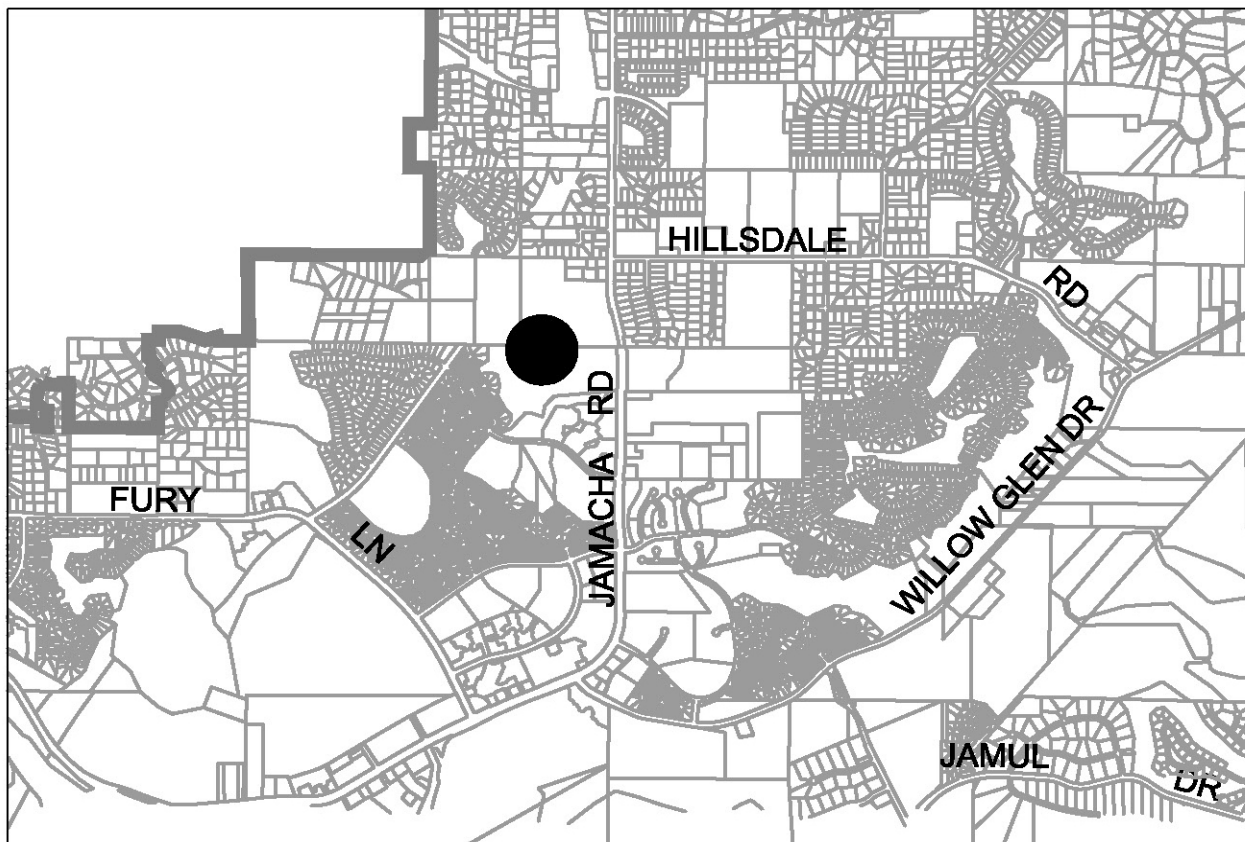
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: Bob Kennedy

Date: 4/25/2013

PROJECT TITLE: RecPL - Otay Mesa Distribution Pipelines and Conversions				CIP Number: R2048			
				DIRECTOR DIVISION:		2	
PROJECT MANAGER:		Dan Martin		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. Funding opportunity is the United States Bureau of Reclamation Water Reclamation and Reuse Program, Title XVI of P.L. 102-575.

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	2014	2015	2016	2017	2018	2019	Total
	\$500	\$100	\$1	\$1	\$50	\$1,547	\$2,200

CIP Number: R2048

PROJECT SCHEDULE:

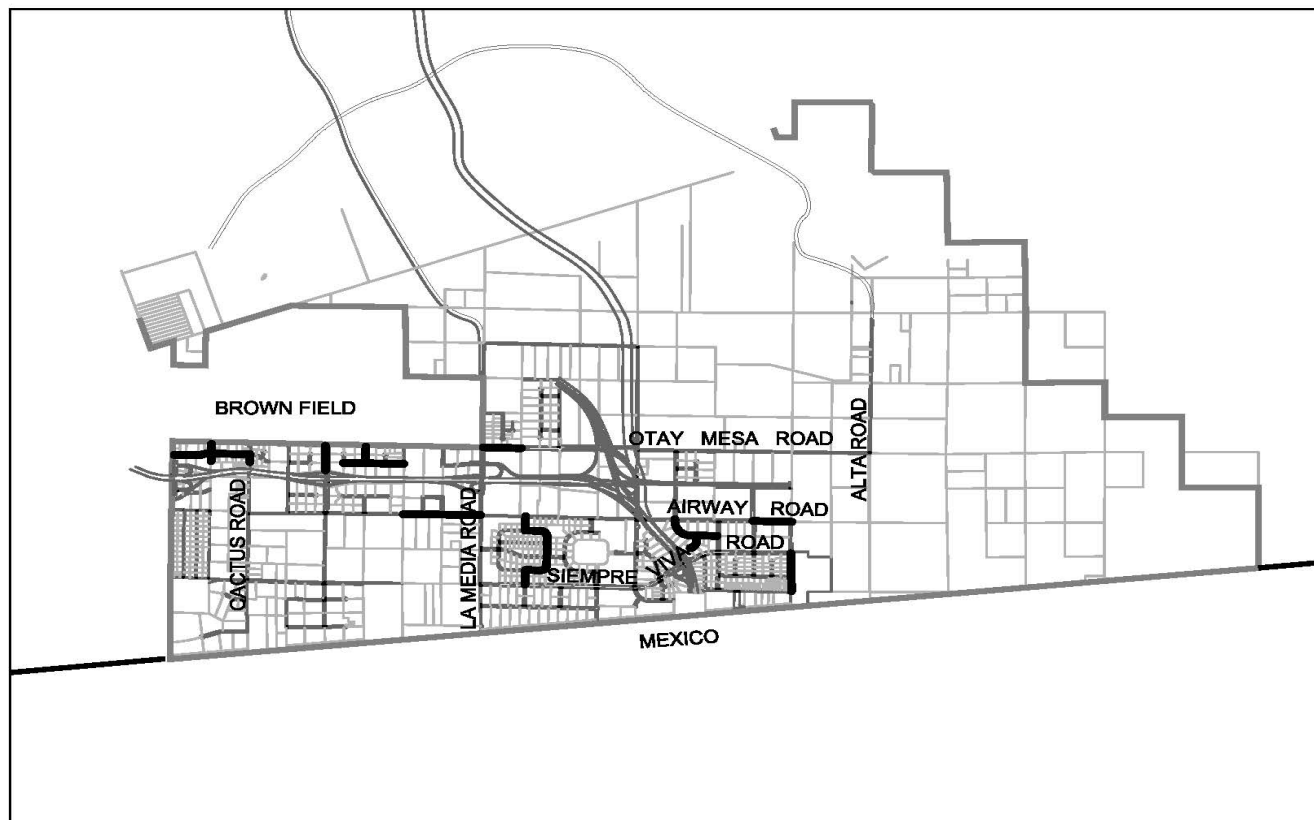
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2008	12/1/2008	\$80
DESIGN:	1/1/2009	6/1/2014	\$520
CONSTRUCTION:	7/1/2015	6/30/2019	\$1,550

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: Bob Kennedy

Date: 4/25/2013

PROJECT TITLE: RecPL - 16-Inch, 860 Zone, Airway Road - Otay Mesa/Alta				CIP Number: R2058			
				DIRECTOR DIVISION:		2	
PROJECT MANAGER:		Dan Martin		I.D. LOCATION:		7	
ORIGINAL APPROVED DATE:		6/16/1999		PRIORITY:		1	
RELATED CIP PROJECTS:		R2048, R2077, R2087		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. Funding opportunity is the United States Bureau of Reclamation Water Reclamation and Reuse Program, Title XVI of P.L. 102-575.

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	2014	2015	2016	2017	2018	2019	Total
\$1,350	\$100	\$1	\$1	\$1	\$1	\$2,046	\$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	6/1/2014	\$330
CONSTRUCTION:	7/1/2018	6/1/2019	\$3,050

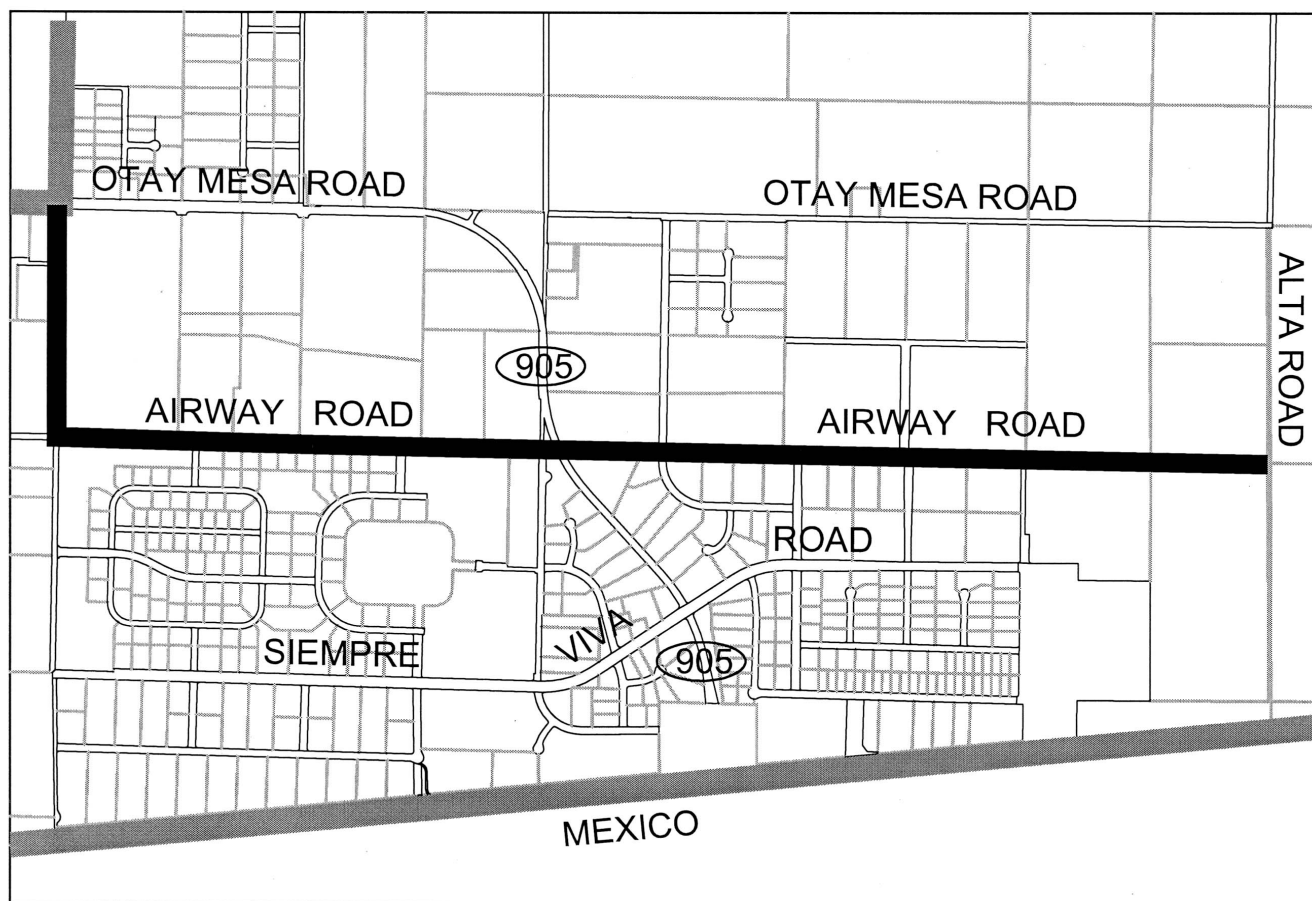
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: Bob Kennedy

Date: 4/25/2013

PROJECT TITLE: RecPL - 24-Inch, 860 Zone, Alta Road - Alta Gate/Airway		CIP Number: R2077	
		DIRECTOR DIVISION:	2
PROJECT MANAGER:	Bob Kennedy	I.D. LOCATION:	7
ORIGINAL APPROVED DATE:	5/23/2006	PRIORITY:	1
RELATED CIP PROJECTS:	R2048, R2058, R2087	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. Funding opportunity is the United States Bureau of Reclamation Water Reclamation and Reuse Program, Title XVI of P.L. 102-575.

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	2014	2015	2016	2017	2018	2019	Total
\$2,755	\$135	\$600	\$600	\$410	\$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	6/1/2017	\$3,885

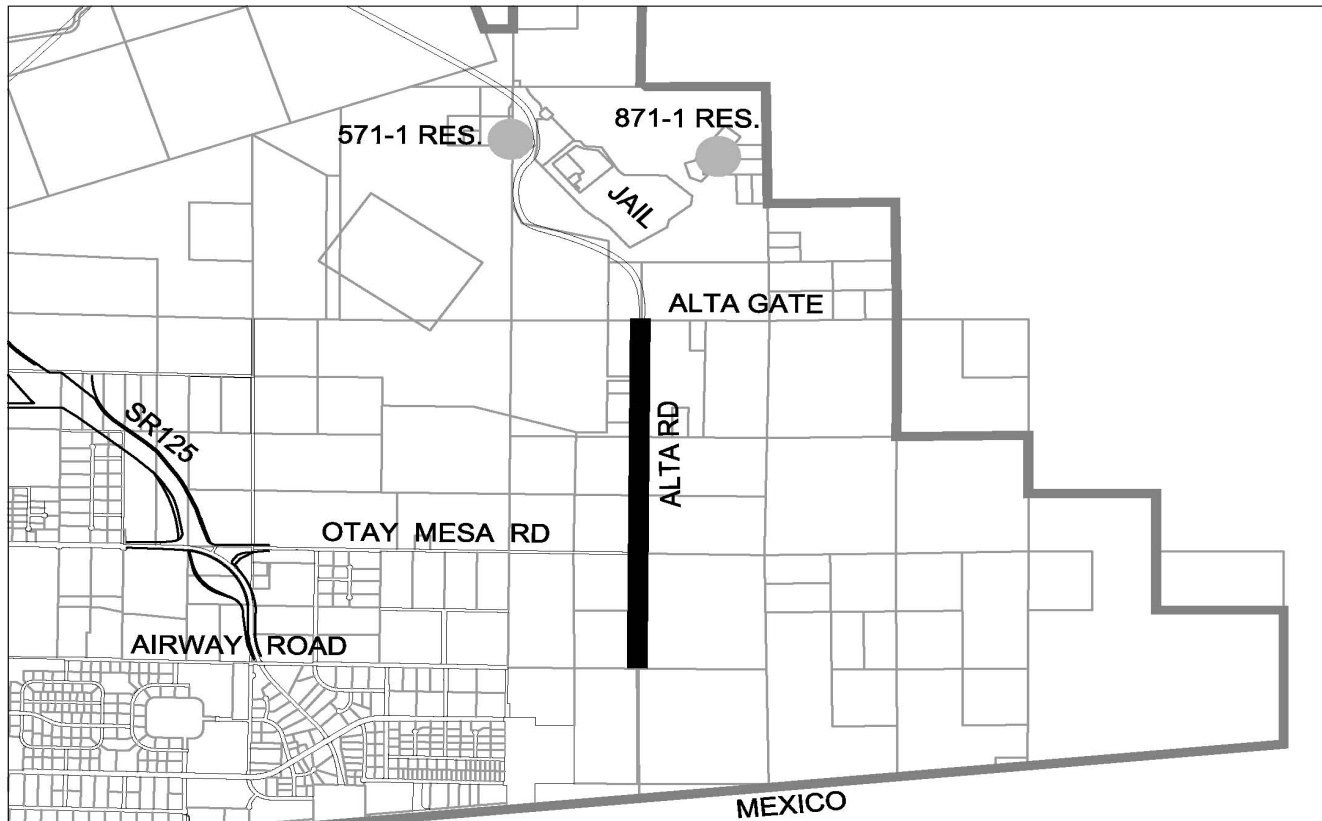
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: Bob Kennedy

Date: 4/25/2013

PROJECT TITLE: RecPL - 24-Inch, 927 Zone, Wueste Road - Olympic/Otay WTP		CIP Number: R2087	
		DIRECTOR DIVISION:	1
PROJECT MANAGER:	Kevin Cameron	I.D. LOCATION:	22
ORIGINAL APPROVED DATE:	5/23/2006	PRIORITY:	1
RELATED CIP PROJECTS:	R2048, R2058, R2077	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. Funding opportunity is the United States Bureau of Reclamation Water Reclamation and Reuse Program, Title XVI of P.L. 102-575.

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	2014	2015	2016	2017	2018	2019	Total
\$1,050	\$5	\$5	\$5	\$5	\$5	\$5,925	\$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	6/1/2019	\$6,055

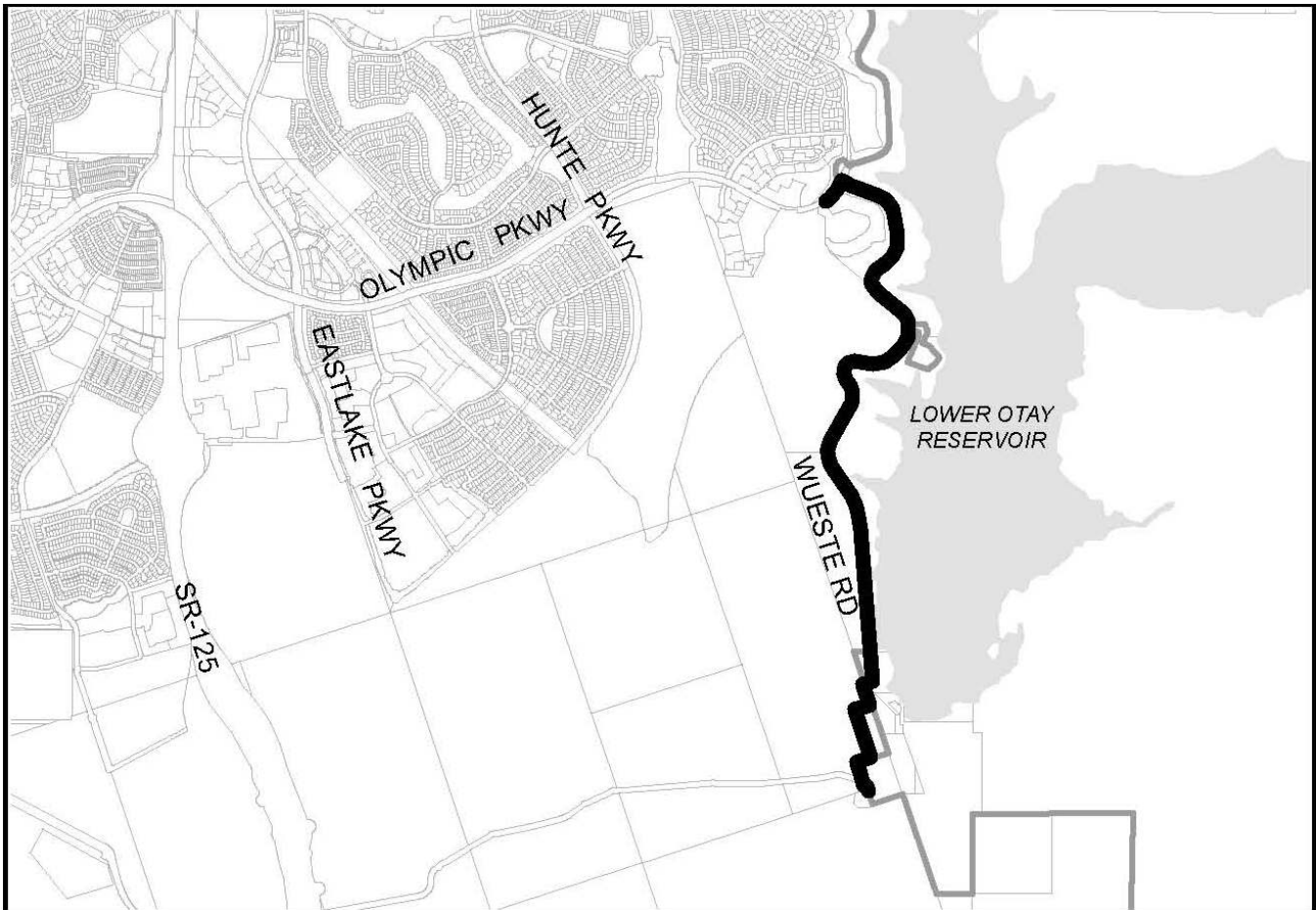
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: Bob Kennedy

Date: 4/25/2013

PROJECT TITLE: RecPS - 927-1 Pump Station Upgrade (10,000 GPM) and System Enhancements		CIP Number: R2091	
		DIRECTOR DIVISION:	1
PROJECT MANAGER:	Daniel Kay	I.D. LOCATION:	22
ORIGINAL APPROVED DATE:	5/29/2007	PRIORITY:	1
RELATED CIP PROJECTS:		BUDGET AMOUNT:	\$2,130,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

 Planned expenditures for FY 12 carried over to FY 13. Project substantially complete.

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	2014	2015	2016	2017	2018	2019	Total
	\$1,880	\$250	\$0	\$0	\$0	\$0	\$2,130

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	12/1/2013	\$1,950

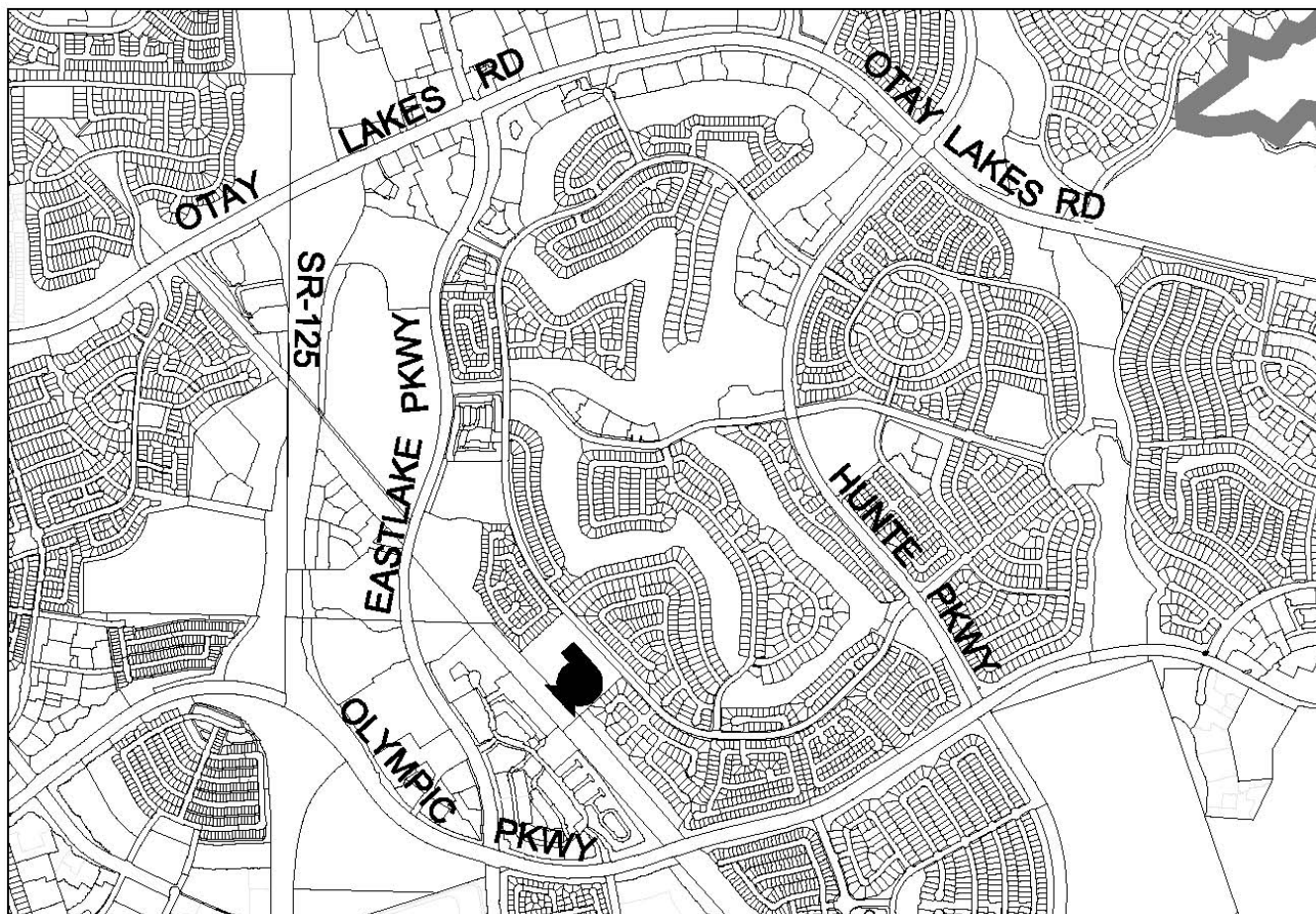
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: Bob Kennedy

Date: 4/30/2013

PROJECT TITLE: RWCWRF Screening Compactor and Chlorine Injectors Enclosure		CIP Number: R2107	
PROJECT MANAGER: Gary Stalker		DIRECTOR DIVISION: 3	
ORIGINAL APPROVED DATE: 5/15/2011		I.D. LOCATION: 20	
RELATED CIP PROJECTS:		PRIORITY: 2	
		BUDGET AMOUNT: \$130,000	

DESCRIPTION OF PROJECT:

 Install screening compactor at the RWCWRF headwork, repair concrete supports at headworks, and construct 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	2014	2015	2016	2017	2018	2019	Total
\$70	\$60	\$0	\$0	\$0	\$0	\$0	\$130

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	6/1/2014	\$130

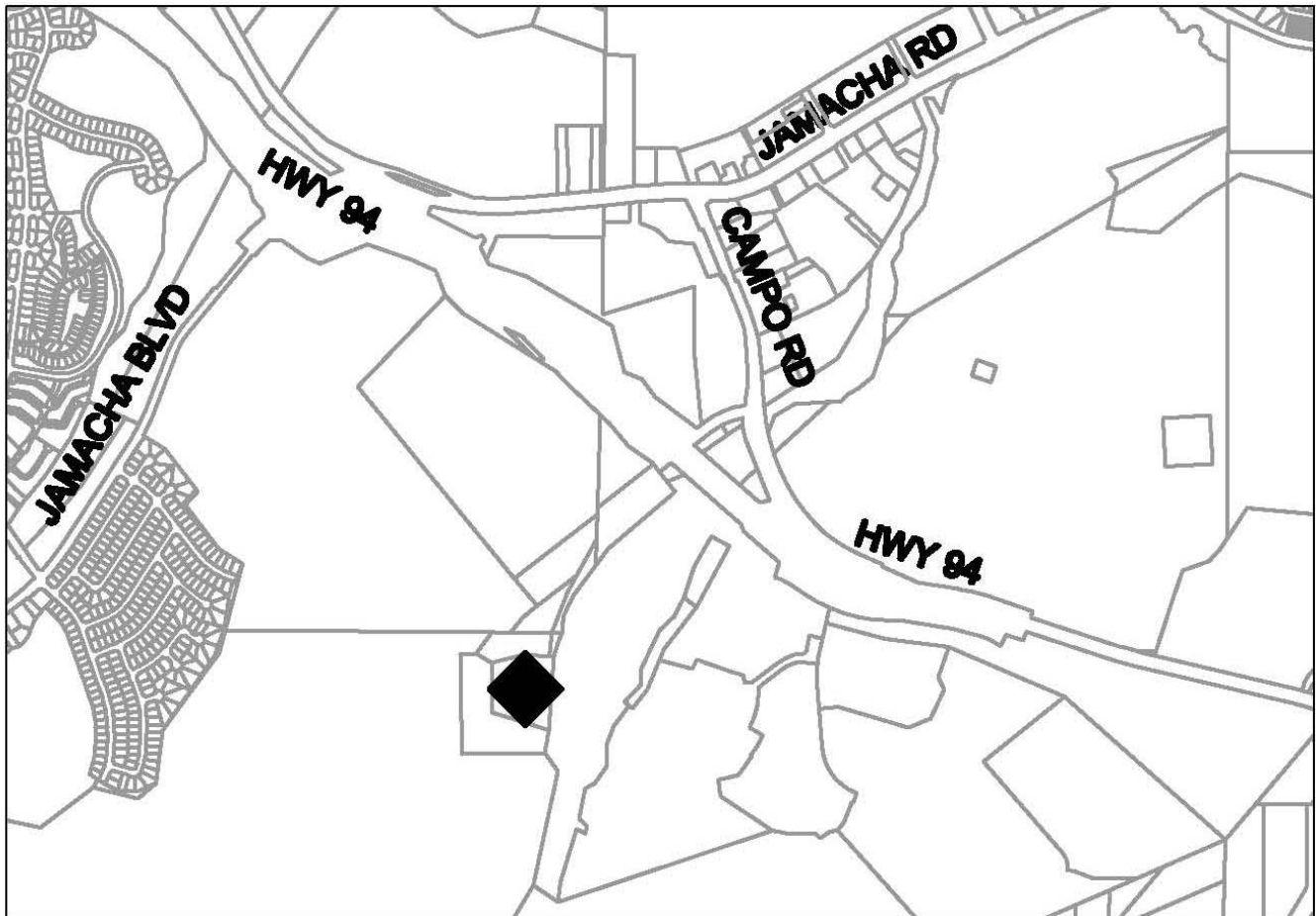
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: Bob Kennedy

Date: 4/25/2013

PROJECT TITLE: Res - 927-1 Reservoir Cover Replacement				CIP Number: R2108																											
				DIRECTOR DIVISION: 5																											
PROJECT MANAGER: Jeff Marchioro				I.D. LOCATION: 22/27																											
ORIGINAL APPROVED DATE:				PRIORITY: 1																											
RELATED CIP PROJECTS:				BUDGET AMOUNT: \$1,400,000																											
DESCRIPTION OF PROJECT: This project is for the replacement of the existing membrane floating cover and liner with new membrane system.																															
JUSTIFICATION OF PROJECT: The existing membrane floating cover and liner have reached the end of their useful life and requires replacement to meet regulatory requirements.																															
COMMENTS:																															
FUND DETAILS: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">FUNDING SOURCE:</th> <th>Expansion</th> <th>Betterment</th> <th>Replacement</th> <th>New Water Supply</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Replacement</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> <tr> <td>TOTAL:</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> </tbody> </table>								FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total	Replacement	0 %	0 %	100 %	0 %	100 %	TOTAL:	0 %	0 %	100 %	0 %	100 %						
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): <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">PRIOR YEARS:</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> </tr> <tr> <th style="text-align: left;">TOTAL</th> <th>2014</th> <th>2015</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$100</td> <td style="text-align: right;">\$1,300</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$1,400</td> </tr> </tbody> </table>								PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY	TOTAL	2014	2015	2016	2017	2018	2019	Total	\$0	\$100	\$1,300	\$0	\$0	\$0	\$0	\$1,400
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY																								
TOTAL	2014	2015	2016	2017	2018	2019	Total																								
\$0	\$100	\$1,300	\$0	\$0	\$0	\$0	\$1,400																								

CIP Number: R2108

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2013	1/1/2014	\$50
DESIGN:	1/1/2014	10/1/2014	\$100
CONSTRUCTION:	10/1/2014	7/1/2015	\$1,250

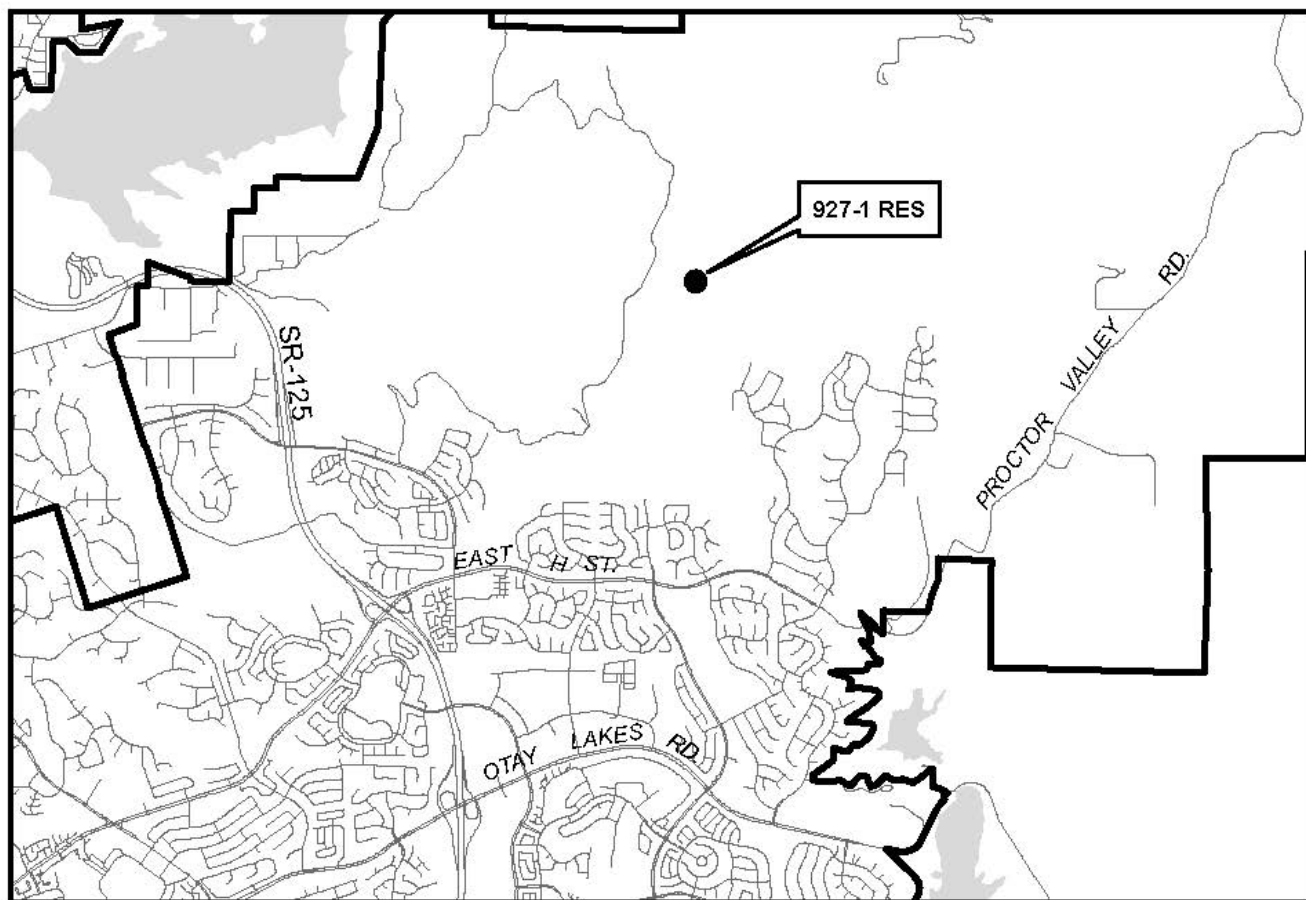
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: 172



Submitted By: Bob Kennedy

Date: 4/29/2013

PROJECT TITLE: RecPS - 927-1 Optimization and Pressure Zone modifications				CIP Number: R2110			
				DIRECTOR DIVISION:		1	
PROJECT MANAGER:		Jeff Marchioro		I.D. LOCATION:		22	
ORIGINAL APPROVED DATE:				PRIORITY:		1	
RELATED CIP PROJECTS:		R2091		BUDGET AMOUNT:		\$150,000	

DESCRIPTION OF PROJECT:

 Improve the control strategy to increase pumping capacity and streamline operation of the pump station. As a result of this effort, replacement of 5 service saddles on Clubhouse Drive will need to be replaced to higher pressure class saddles.

JUSTIFICATION OF PROJECT:

 Revising the control strategy will increase pumping capacity and improve the District's ability to operate the pump station during off-peak hours when electricity rates are low.

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	2014	2015	2016	2017	2018	2019	Total
\$0	\$150	\$0	\$0	\$0	\$0	\$0	\$150

CIP Number: R2110

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2013	10/1/2013	\$10
DESIGN:	10/1/2013	12/1/2013	\$10
CONSTRUCTION:	12/1/2013	6/1/2013	\$130

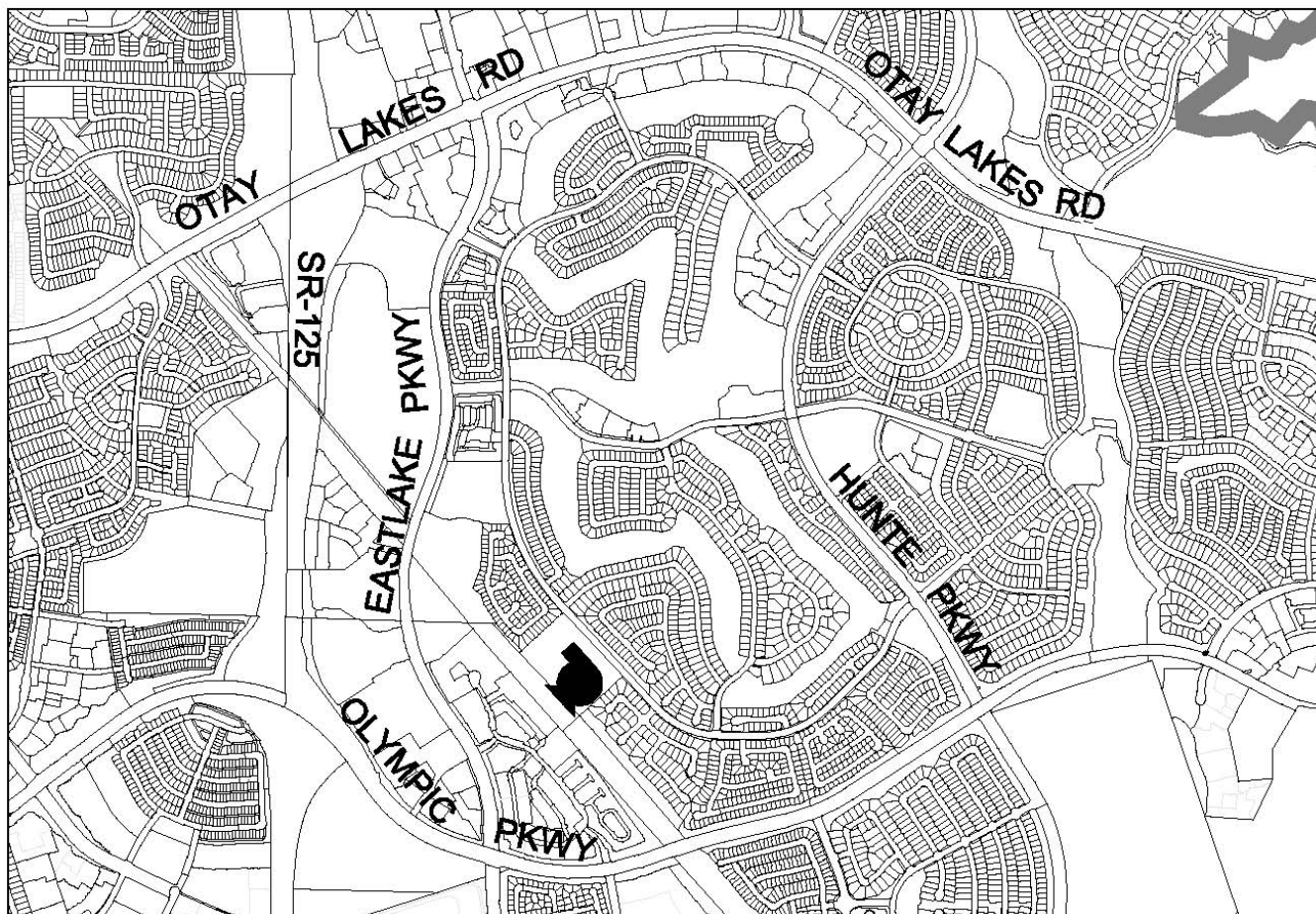
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: Bob Kennedy

Date: 4/25/2013

PROJECT TITLE: Hidden Mountain Lift Station Enclosure				CIP Number: S2039																											
				DIRECTOR DIVISION: 5																											
PROJECT MANAGER: Gary Stalker				I.D. LOCATION: 18																											
ORIGINAL APPROVED DATE: 5/15/2012				PRIORITY: 2																											
RELATED CIP PROJECTS:				BUDGET AMOUNT: \$37,000																											
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: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">FUNDING SOURCE:</th> <th>Expansion</th> <th>Betterment</th> <th>Replacement</th> <th>New Water Supply</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Betterment ID 18</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> <tr> <td>TOTAL:</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> </tbody> </table>								FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total	Betterment ID 18	0 %	100 %	0 %	0 %	100 %	TOTAL:	0 %	100 %	0 %	0 %	100 %						
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): <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>PRIOR YEARS:</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> </tr> <tr> <th>TOTAL</th> <th>2014</th> <th>2015</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td style="text-align: right;">\$29</td> <td style="text-align: right;">\$8</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$37</td> </tr> </tbody> </table>								PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY	TOTAL	2014	2015	2016	2017	2018	2019	Total	\$29	\$8	\$0	\$0	\$0	\$0	\$0	\$37
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY																								
TOTAL	2014	2015	2016	2017	2018	2019	Total																								
\$29	\$8	\$0	\$0	\$0	\$0	\$0	\$37																								

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	12/1/2013	\$37

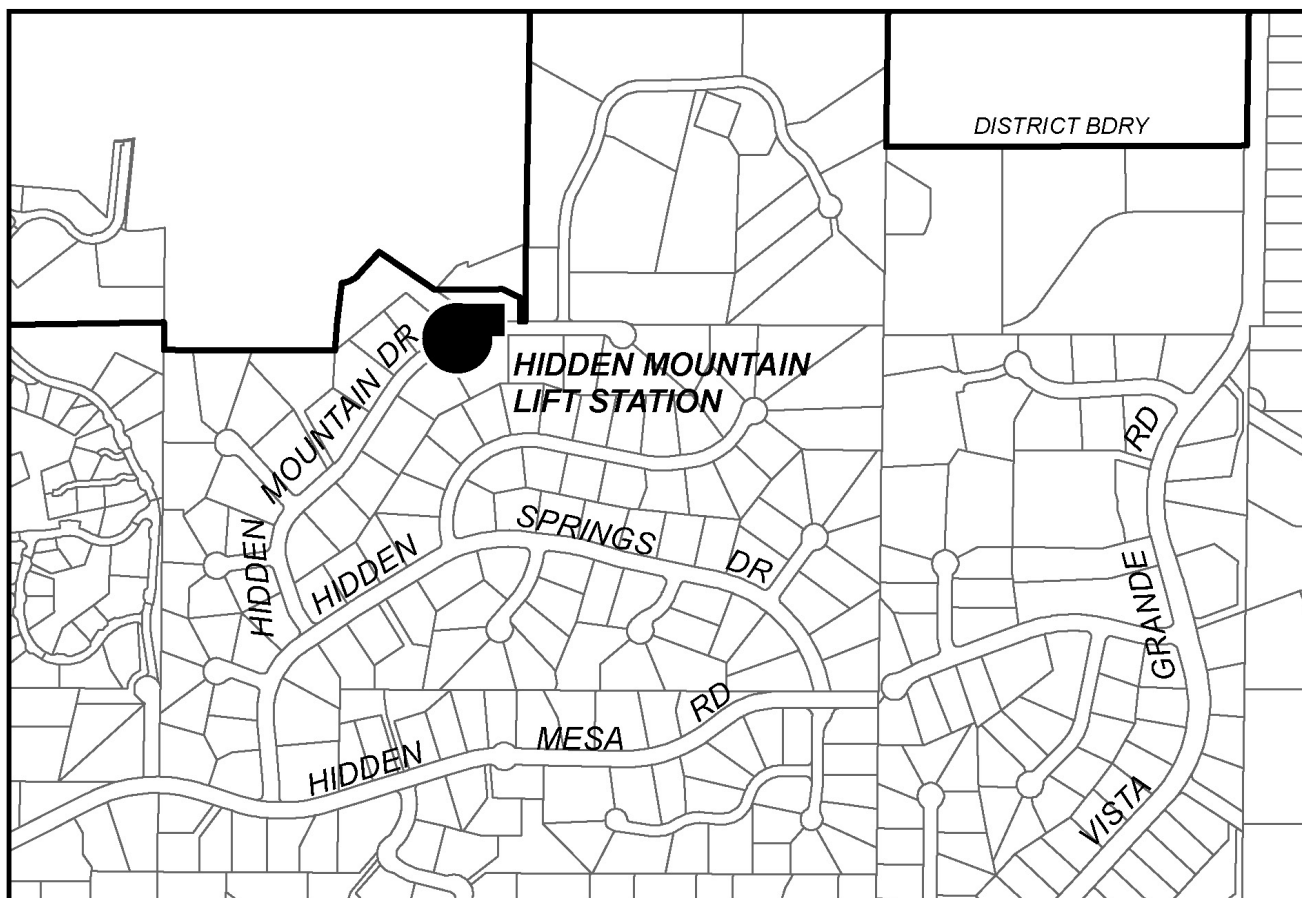
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: Bob Kennedy

Date: 4/25/2013

PROJECT TITLE: RWCWRF Sludge Handling System				CIP Number: S2043			
				DIRECTOR DIVISION: 3			
PROJECT MANAGER:		Lisa Coburn-Boyd		I.D. LOCATION:		20	
ORIGINAL APPROVED DATE:				PRIORITY:		2	
RELATED CIP PROJECTS:		R2096		BUDGET AMOUNT:		\$1,500,000	

DESCRIPTION OF PROJECT:

 This project will provide funding for a Sludge Handling System at the RWCWRF to reduce the amount of solids the District sends to Metro.

JUSTIFICATION OF PROJECT:

 The District currently sends all sludge produced at RWCWRF to Metro for treatment. The District's Wastewater Management Plan provided a preliminary estimate of the cost of handling sludge at the RWCWRF that is close to the cost Metro charges the District for treatment of solids.

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	2014	2015	2016	2017	2018	2019	Total
\$0	\$50	\$100	\$1,250	\$100	\$0	\$0	\$1,500

CIP Number: S2043

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2013	12/1/2014	\$100
DESIGN:	12/1/2014	12/1/2015	\$150
CONSTRUCTION:	12/1/2015	12/1/2016	\$1,250

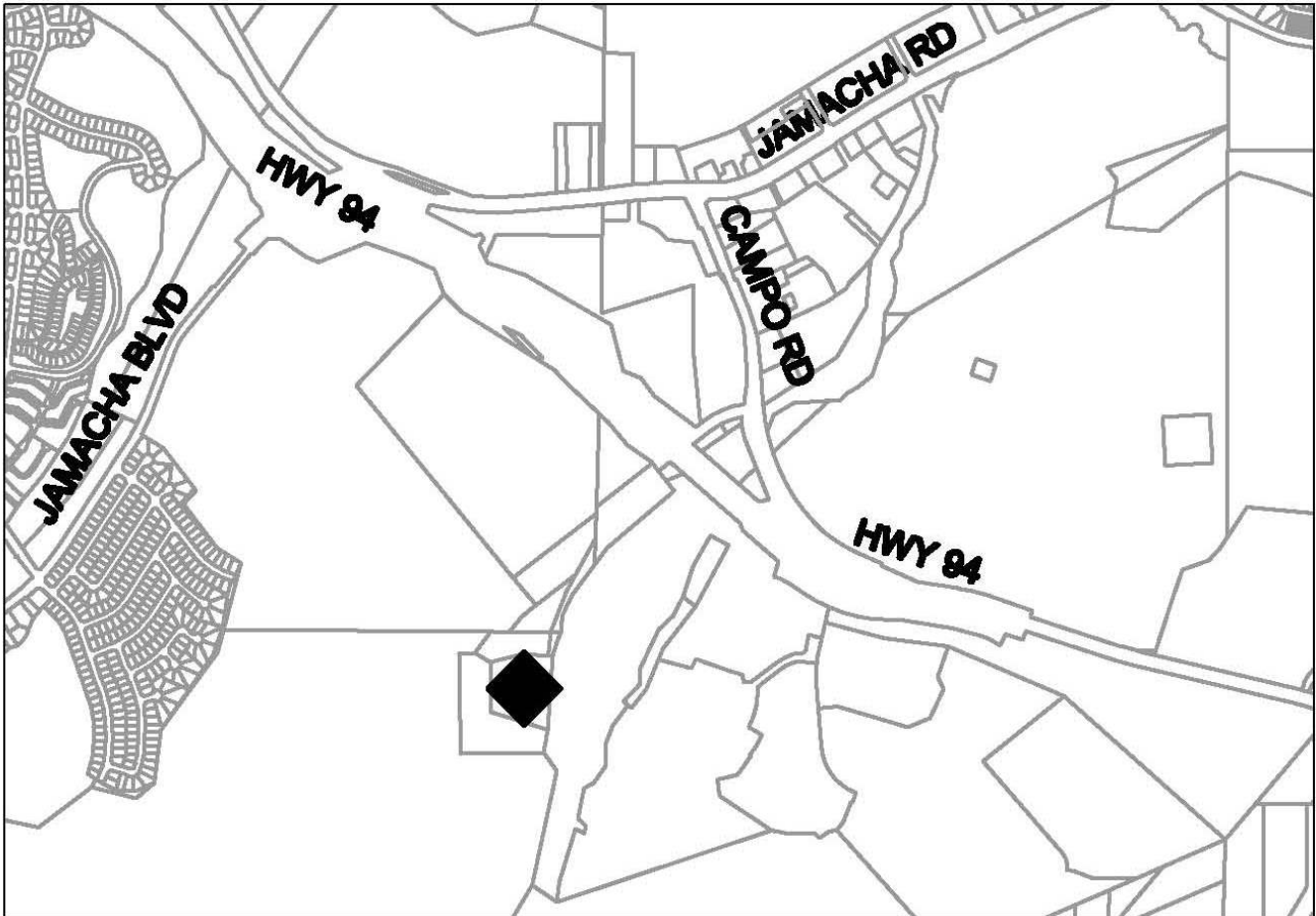
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: Bob Kennedy

Date: 4/25/2013

PROJECT TITLE: APCD Engine Replacements and Retrofits				CIP Number: P2366																											
				DIRECTOR DIVISION: 0																											
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 the 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, re-power, 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, re-power, and/or retrofit the heavy vehicle diesel fleet to meet future emissions requirements.																															
COMMENTS:																															
FUND DETAILS: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">FUNDING SOURCE:</th> <th>Expansion</th> <th>Betterment</th> <th>Replacement</th> <th>New Water Supply</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Replacement</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> <tr> <td>TOTAL:</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> </tbody> </table>								FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total	Replacement	0 %	0 %	100 %	0 %	100 %	TOTAL:	0 %	0 %	100 %	0 %	100 %						
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total																										
Replacement	0 %	0 %	100 %	0 %	100 %																										
TOTAL:	0 %	0 %	100 %	0 %	100 %																										
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PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY																								
TOTAL	2014	2015	2016	2017	2018	2019	Total																								
\$2,500	\$5	\$250	\$225	\$220	\$243	\$45	\$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	6/1/2019	\$3,063

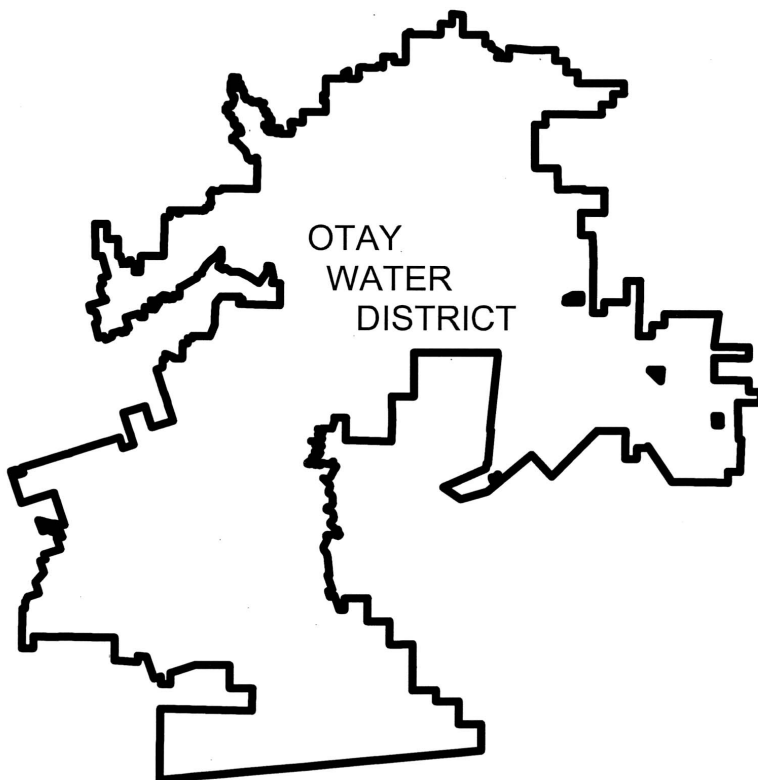
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: 4/29/2013

PROJECT TITLE: Safety and Security Improvements				CIP Number: P2382			
				DIRECTOR DIVISION: 0			
PROJECT MANAGER: Steve Dobrawa				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 Water District 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. General Fund at 40% expansion and 60% replacement.

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	FY	FY	FY	FY	FY	FY
TOTAL	2014	2015	2016	2017	2018	2019	Total
	\$1,897	\$500	\$200	\$200	\$200	\$100	\$300
							\$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

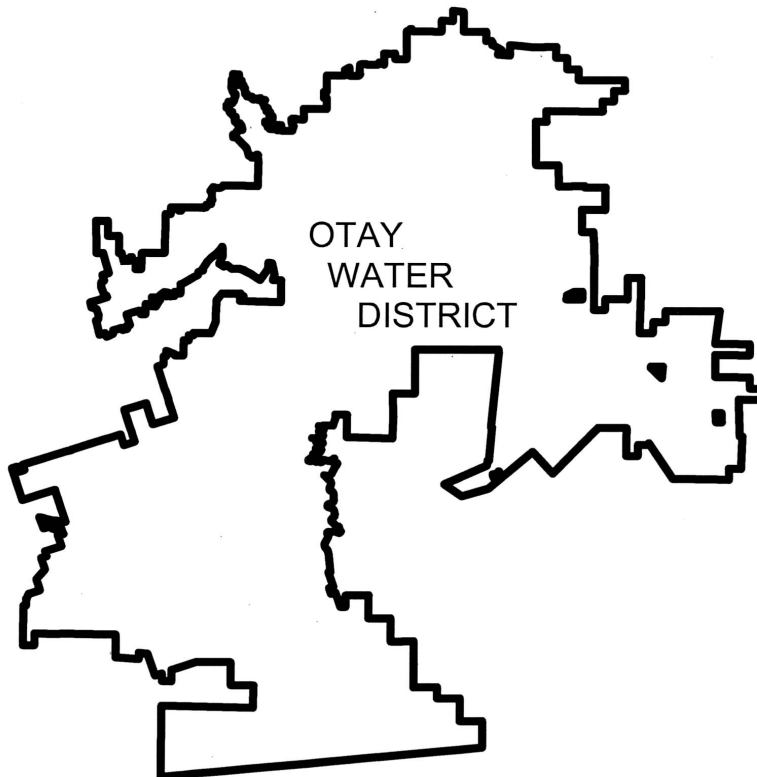
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: 4/29/2013

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 pipelines. In all cases, the Otay Water District 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. 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 Water District's expense.

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	2014	2015	2016	2017	2018	2019	Total
\$1,590	\$10	\$0	\$0	\$0	\$0	\$0	\$1,600

CIP Number: P2440

PROJECT SCHEDULE:

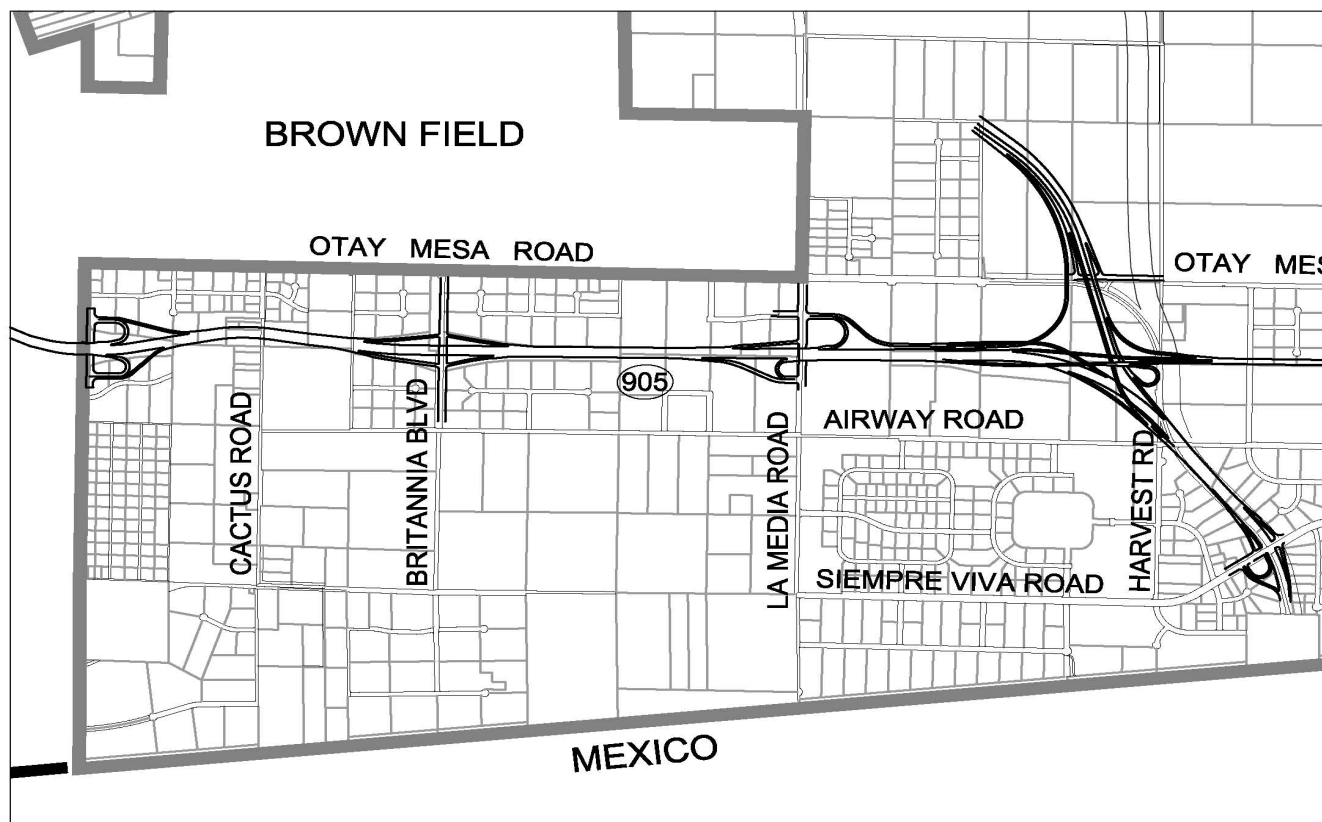
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2004	9/1/2006	\$121
DESIGN:	10/1/2003	9/1/2006	\$332
CONSTRUCTION:	10/1/2006	12/1/2013	\$1,147

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: Bob Kennedy

Date: 4/29/2013

PROJECT TITLE: SR-11 Utility Relocations		CIP Number: P2453	
		DIRECTOR DIVISION:	2
PROJECT MANAGER:	Jeff Marchioro	I.D. LOCATION:	7
ORIGINAL APPROVED DATE:	5/23/2006	PRIORITY:	1
RELATED CIP PROJECTS:		BUDGET AMOUNT:	\$2,250,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

 Caltrans will construct SR-11, which will result in utility conflicts with existing Otay 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.

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	2014	2015	2016	2017	2018	2019	Total
\$160	\$125	\$700	\$565	\$700	\$0	\$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	6/30/2014	\$350
CONSTRUCTION:	10/8/2014	6/30/2017	\$1,880

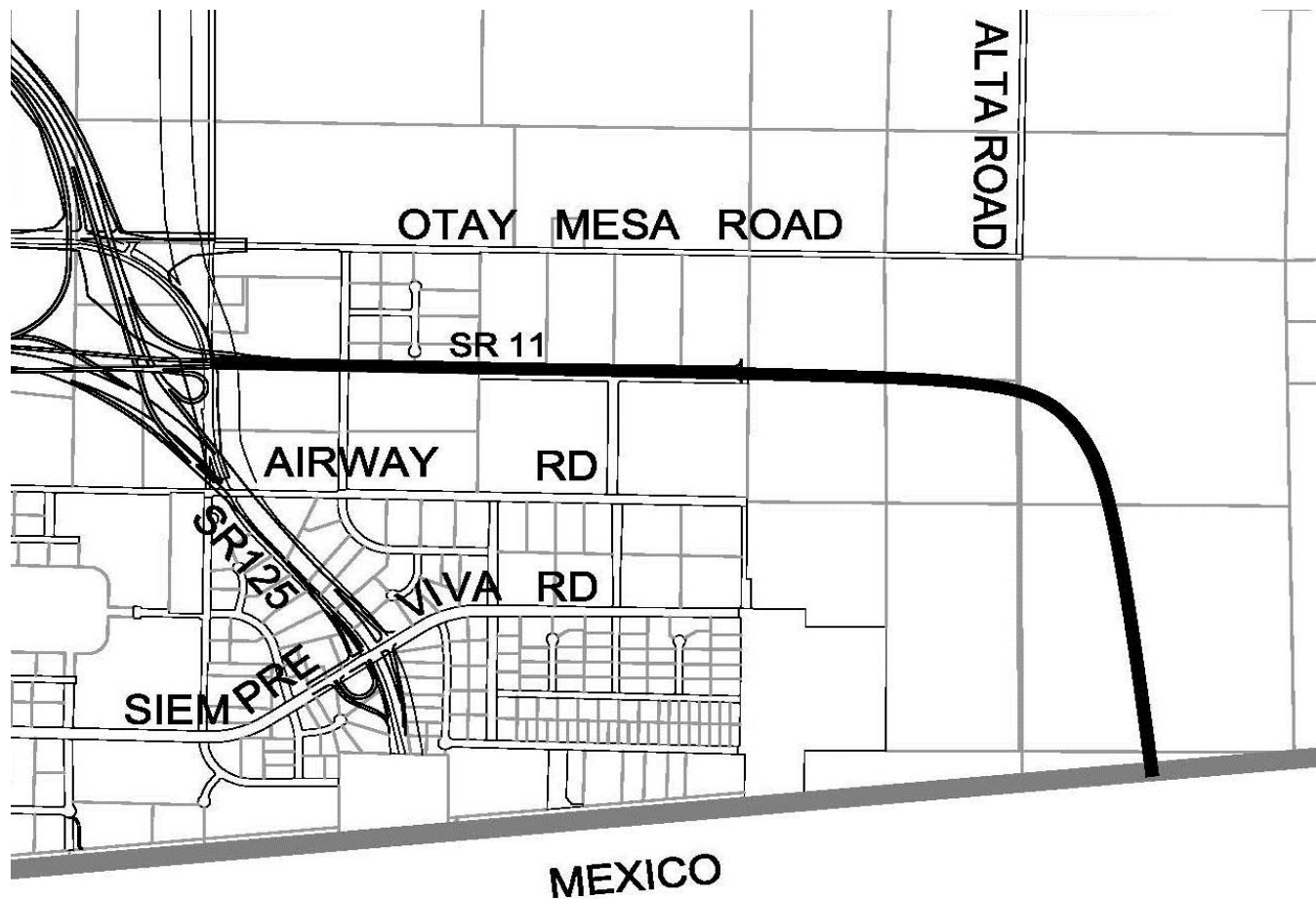
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: Bob Kennedy

Date: 4/29/2013

PROJECT TITLE: Res - 624-1 Reservoir Cover Replacement				CIP Number: P2477																											
				DIRECTOR DIVISION: 1																											
PROJECT MANAGER:		Jeff Marchioro		I.D. LOCATION:		22																									
ORIGINAL APPROVED DATE:		6/23/2008		PRIORITY:		2																									
RELATED CIP PROJECTS:				BUDGET AMOUNT: \$1,000,000																											
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: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">FUNDING SOURCE:</th> <th>Expansion</th> <th>Betterment</th> <th>Replacement</th> <th>New Water Supply</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Replacement</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> <tr> <td>TOTAL:</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> </tbody> </table>								FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total	Replacement	0 %	0 %	100 %	0 %	100 %	TOTAL:	0 %	0 %	100 %	0 %	100 %						
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): <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">PRIOR YEARS:</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> </tr> <tr> <th style="text-align: left;">TOTAL</th> <th>2014</th> <th>2015</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td style="text-align: right;">\$950</td> <td style="text-align: right;">\$50</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$1,000</td> </tr> </tbody> </table>								PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY	TOTAL	2014	2015	2016	2017	2018	2019	Total	\$950	\$50	\$0	\$0	\$0	\$0	\$0	\$1,000
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY																								
TOTAL	2014	2015	2016	2017	2018	2019	Total																								
\$950	\$50	\$0	\$0	\$0	\$0	\$0	\$1,000																								

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	10/10/2012	\$110
CONSTRUCTION:	10/10/2012	9/1/2013	\$882

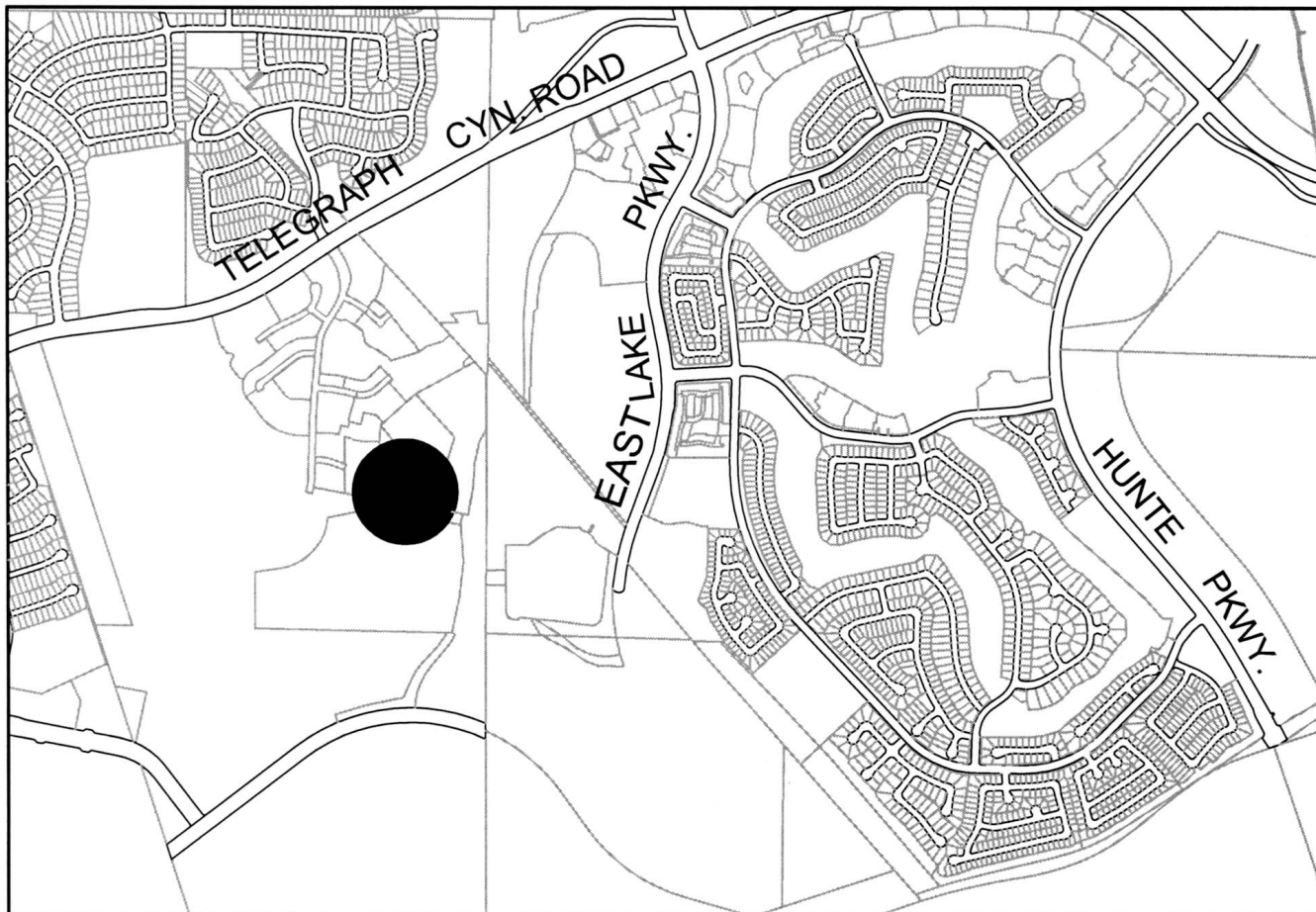
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: Bob Kennedy

Date: 4/29/2013

PROJECT TITLE: SCADA Communication System and Software Replacement		CIP Number: P2485	
		DIRECTOR DIVISION:	0
PROJECT MANAGER:	Gary Stalker	I.D. LOCATION:	District Wide
ORIGINAL APPROVED DATE:	5/21/2009	PRIORITY:	1
RELATED CIP PROJECTS:		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	FY	FY	FY	FY	FY	FY
TOTAL	2014	2015	2016	2017	2018	2019	Total
\$851	\$540	\$455	\$0	\$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	6/1/2015	\$1,846

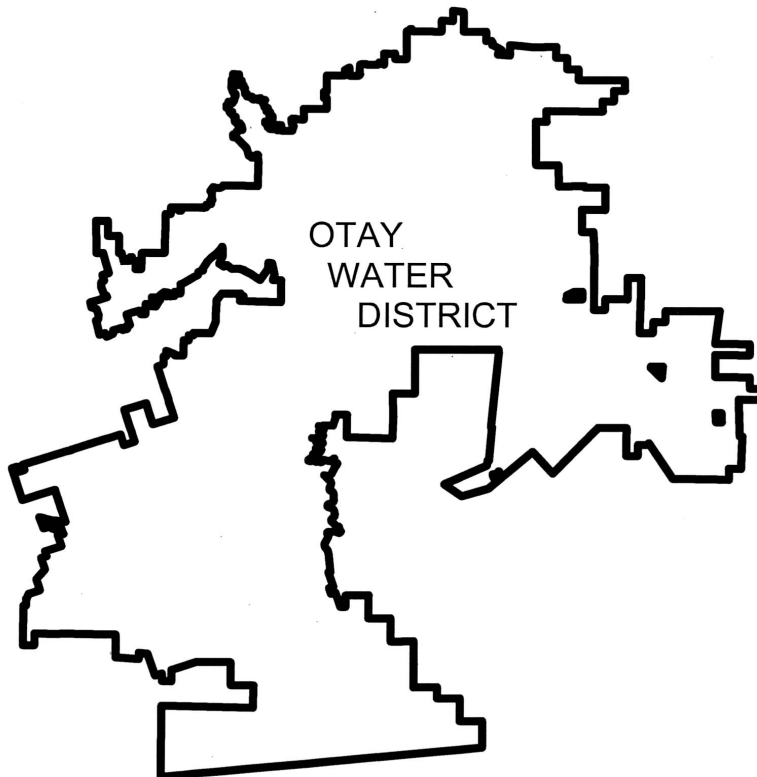
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: 4/29/2013

PROJECT TITLE: 624-2 Reservoir Interior/Exterior Coating				CIP Number: P2493			
				DIRECTOR DIVISION: 4			
PROJECT MANAGER: Kevin Cameron				I.D. LOCATION: 22			
ORIGINAL APPROVED DATE: 5/21/2009				PRIORITY: 1			
RELATED CIP PROJECTS:				BUDGET AMOUNT: \$1,950,000			

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	FY	FY	FY	FY	FY	FY
TOTAL	2014	2015	2016	2017	2018	2019	Total
\$10	\$1,550	\$390	\$0	\$0	\$0	\$0	\$1,950

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	\$95
CONSTRUCTION:	1/1/2014	8/1/2014	\$1,850

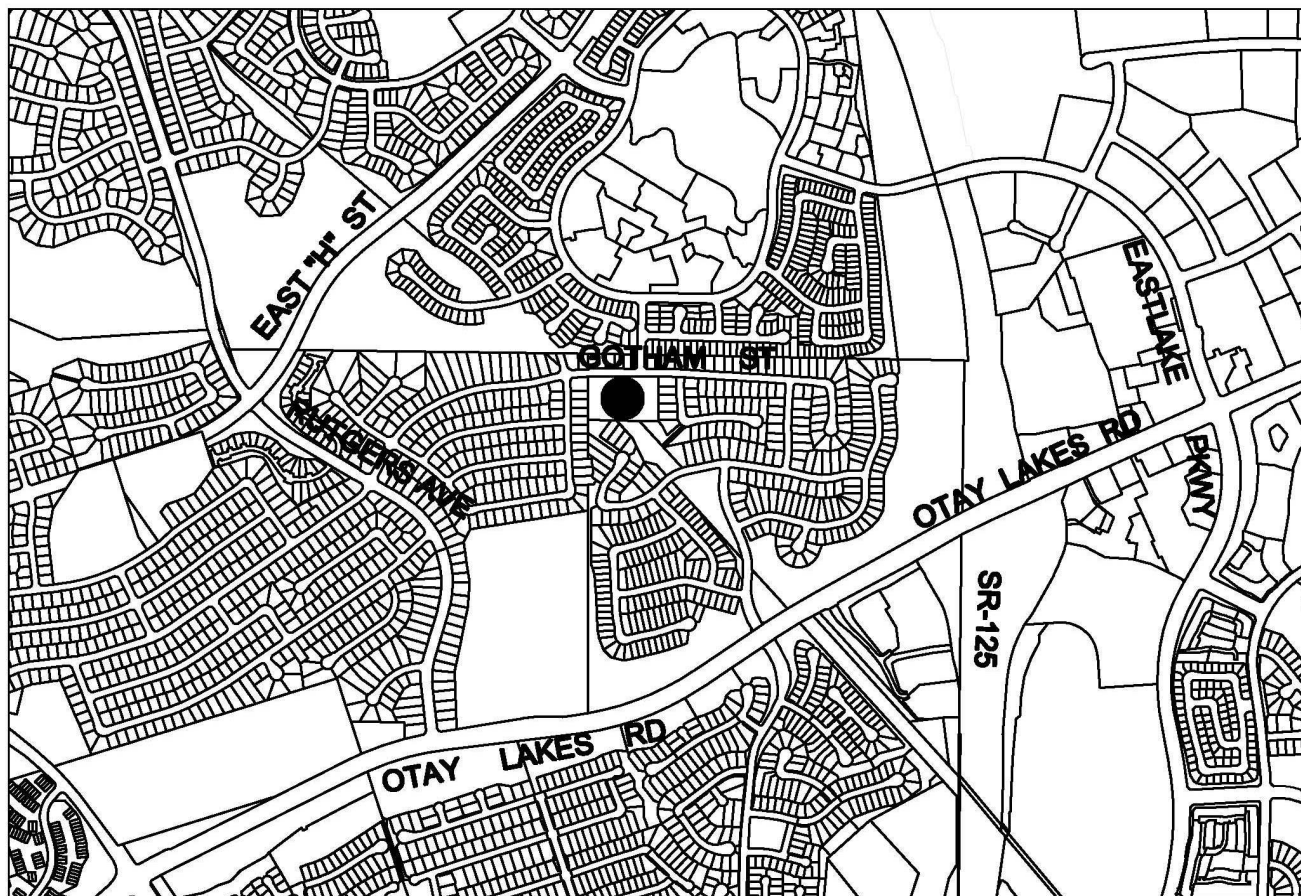
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: Bob Kennedy

Date: 4/29/2013

PROJECT TITLE: Multiple Species Conservation Plan				CIP Number: P2494																											
PROJECT MANAGER: Lisa Coburn-Boyd				DIRECTOR DIVISION: 0																											
ORIGINAL APPROVED DATE: 5/21/2009				I.D. LOCATION: District Wide																											
RELATED CIP PROJECTS: P2495				PRIORITY: 1																											
				BUDGET AMOUNT: \$887,000																											
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: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">FUNDING SOURCE:</th> <th>Expansion</th> <th>Betterment</th> <th>Replacement</th> <th>New Water Supply</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Expansion</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> <tr> <td>TOTAL:</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> </tbody> </table>								FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total	Expansion	100 %	0 %	0 %	0 %	100 %	TOTAL:	100 %	0 %	0 %	0 %	100 %						
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): <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>PRIOR YEARS:</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> </tr> <tr> <th>TOTAL</th> <th>2014</th> <th>2015</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td style="text-align: right;">\$827</td> <td style="text-align: right;">\$60</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$887</td> </tr> </tbody> </table>								PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY	TOTAL	2014	2015	2016	2017	2018	2019	Total	\$827	\$60	\$0	\$0	\$0	\$0	\$0	\$887
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY																								
TOTAL	2014	2015	2016	2017	2018	2019	Total																								
\$827	\$60	\$0	\$0	\$0	\$0	\$0	\$887																								

CIP Number: P2494

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2009	6/30/2014	\$887
DESIGN:			\$0
CONSTRUCTION:			\$0

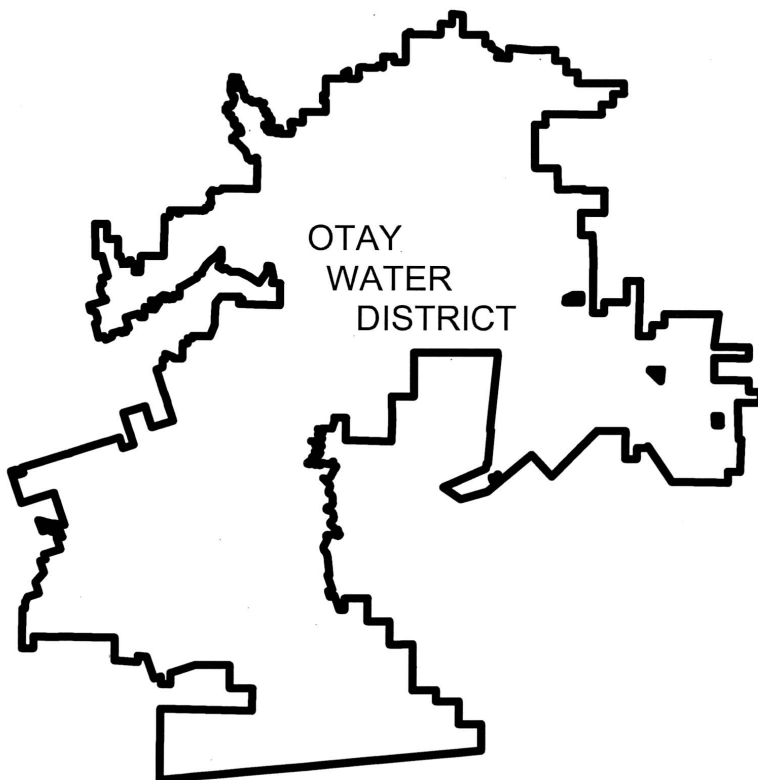
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: 4/29/2013

PROJECT TITLE: San Miguel Habitat Management/Mitigation Area				CIP Number: P2495			
				DIRECTOR DIVISION:		5	
PROJECT MANAGER:		Lisa Coburn-Boyd		I.D. LOCATION:		22	
ORIGINAL APPROVED DATE:		5/21/2009		PRIORITY:		1	
RELATED CIP PROJECTS:		P2494		BUDGET AMOUNT:		\$2,040,000	

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

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	2014	2015	2016	2017	2018	2019	Total
	\$930	\$140	\$180	\$190	\$200	\$200	\$2,040

CIP Number: P2495

PROJECT SCHEDULE:

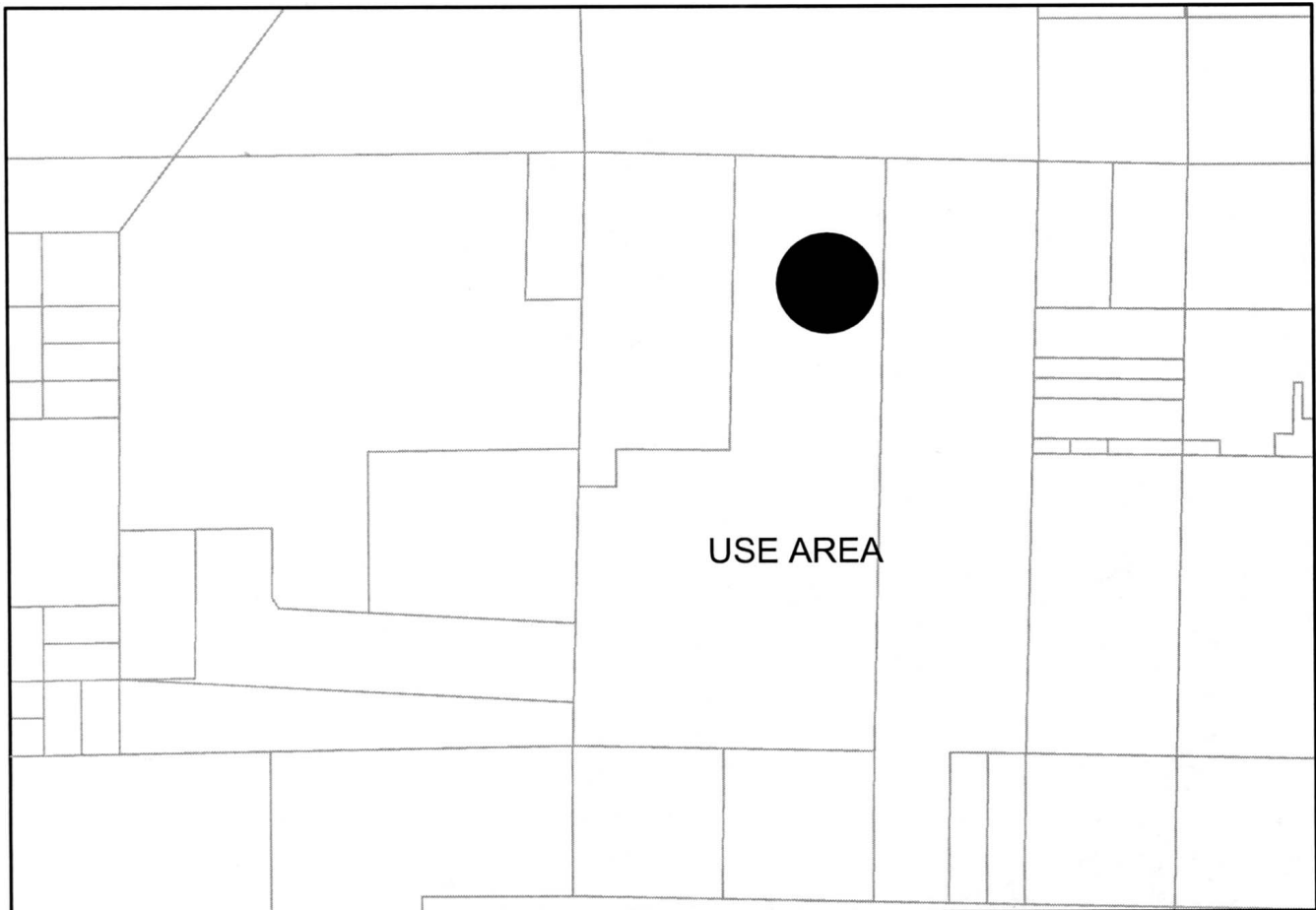
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2009	6/30/2019	\$2,040
DESIGN:			\$0
CONSTRUCTION:			\$0

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: Bob Kennedy

Date: 4/29/2013

PROJECT TITLE: Otay Lakes Road Utility Relocations				CIP Number: P2496																											
				DIRECTOR DIVISION: 4																											
PROJECT MANAGER: Dan Martin				I.D. LOCATION: 5																											
ORIGINAL APPROVED DATE: 5/21/2009				PRIORITY: 1																											
RELATED CIP PROJECTS:				BUDGET AMOUNT: \$325,000																											
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 Water District 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: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">FUNDING SOURCE:</th> <th>Expansion</th> <th>Betterment</th> <th>Replacement</th> <th>New Water Supply</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Replacement</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> <tr> <td>TOTAL:</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> </tbody> </table>								FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total	Replacement	0 %	0 %	100 %	0 %	100 %	TOTAL:	0 %	0 %	100 %	0 %	100 %						
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total																										
Replacement	0 %	0 %	100 %	0 %	100 %																										
TOTAL:	0 %	0 %	100 %	0 %	100 %																										
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PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY																								
TOTAL	2014	2015	2016	2017	2018	2019	Total																								
\$255	\$70	\$0	\$0	\$0	\$0	\$0	\$325																								

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

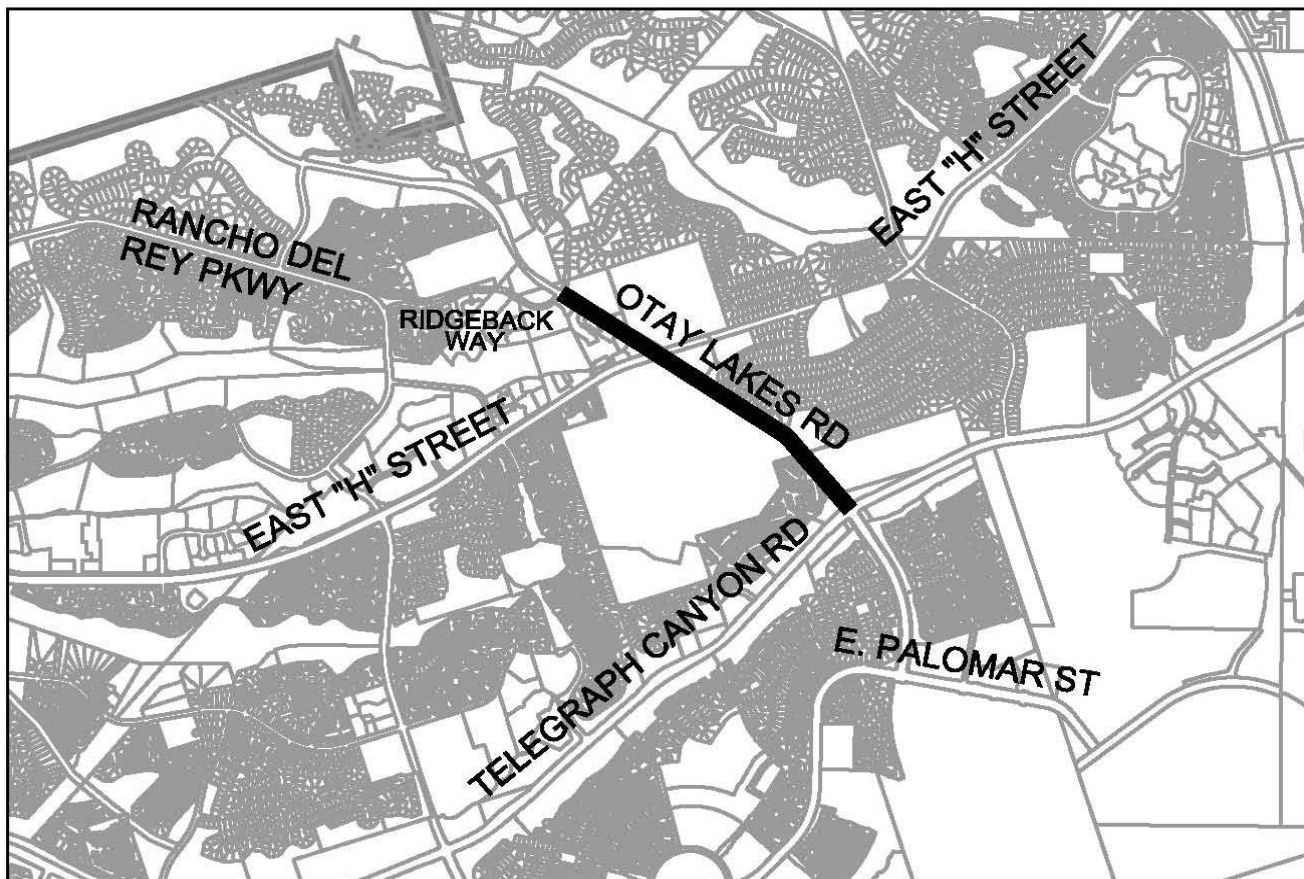
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: Bob Kennedy

Date: 4/29/2013

PROJECT TITLE: Regulatory Site Access Road and Pipeline Relocation				CIP Number: P2504			
				DIRECTOR DIVISION:		5	
PROJECT MANAGER:		Kevin Cameron		I.D. LOCATION:		20	
ORIGINAL APPROVED DATE:		5/17/2010		PRIORITY:		1	
RELATED CIP PROJECTS:		P2466		BUDGET AMOUNT:		\$900,000	

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	2014	2015	2016	2017	2018	2019	Total
\$300	\$325	\$275	\$0	\$0	\$0	\$0	\$900

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	\$85
DESIGN:	10/1/2010	12/1/2012	\$175
CONSTRUCTION:	1/1/2013	9/1/2014	\$640

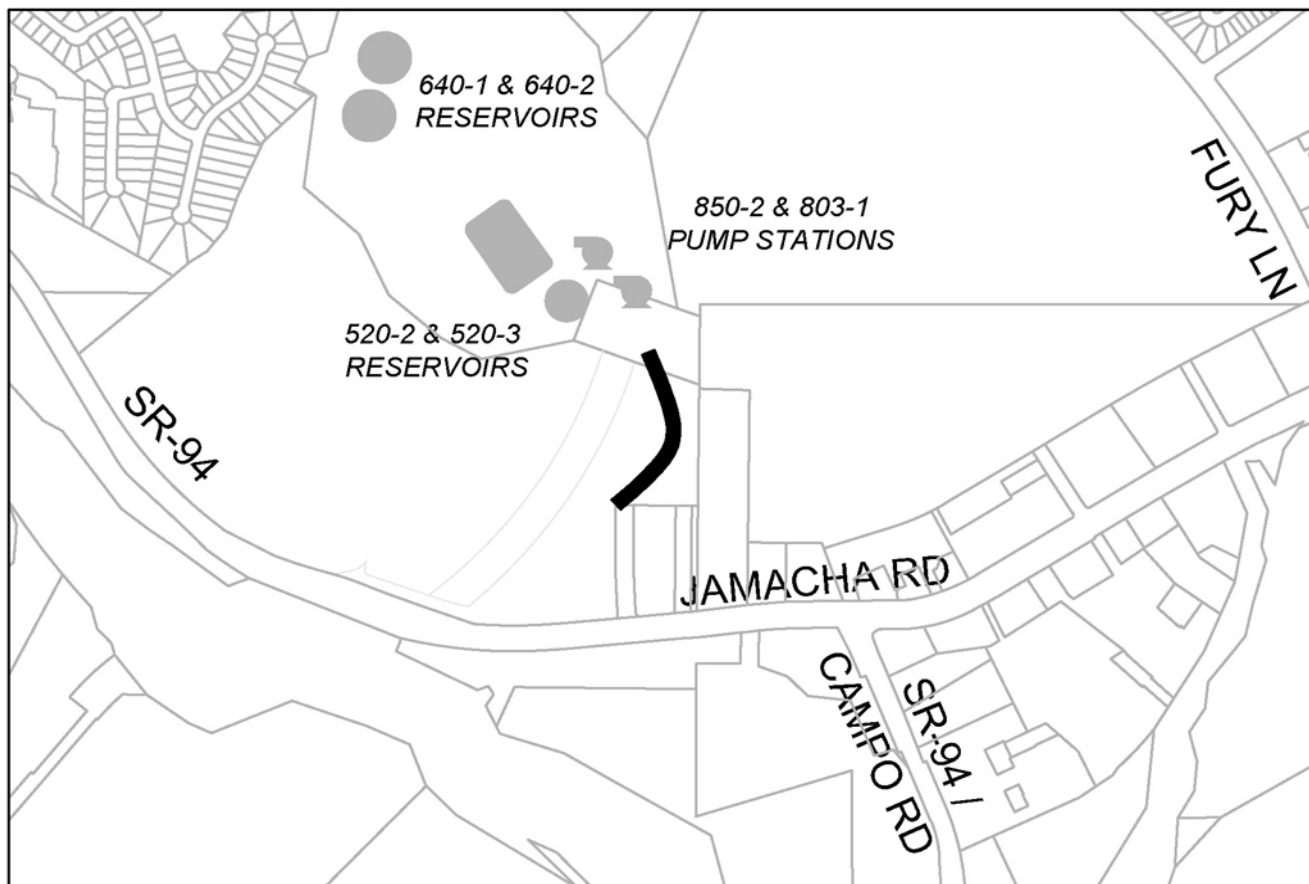
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: 4/29/2013

PROJECT TITLE: East Palomar Street Utility Relocation				CIP Number: P2507																											
				DIRECTOR DIVISION: 2																											
PROJECT MANAGER: Kevin Cameron				I.D. LOCATION: 10																											
ORIGINAL APPROVED DATE: 5/17/2010				PRIORITY: 2																											
RELATED CIP PROJECTS:				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: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">FUNDING SOURCE:</th> <th>Expansion</th> <th>Betterment</th> <th>Replacement</th> <th>New Water Supply</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Replacement</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> <tr> <td>TOTAL:</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> </tbody> </table>								FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total	Replacement	0 %	0 %	100 %	0 %	100 %	TOTAL:	0 %	0 %	100 %	0 %	100 %						
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total																										
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PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY																								
TOTAL	2014	2015	2016	2017	2018	2019	Total																								
\$295	\$230	\$375	\$0	\$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	6/1/2015	\$700

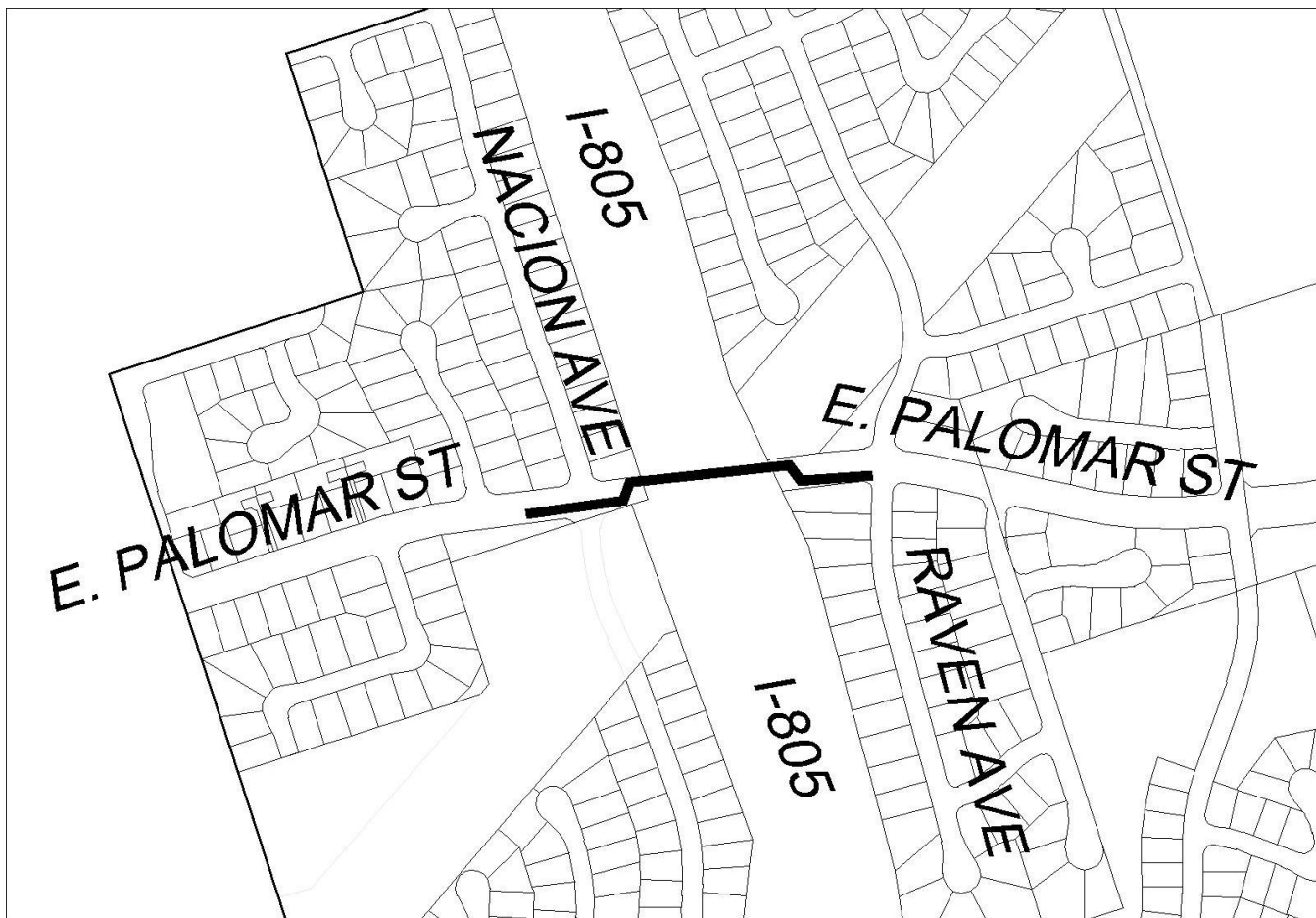
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: Bob Kennedy

Date: 4/29/2013

PROJECT TITLE: Pipeline Cathodic Protection Replacement Program				CIP Number: P2508																											
				DIRECTOR DIVISION: 0																											
PROJECT MANAGER: Jeff Marchioro				I.D. LOCATION: District Wide																											
ORIGINAL APPROVED DATE: 5/17/2010				PRIORITY: 1																											
RELATED CIP PROJECTS:				BUDGET AMOUNT: \$300,000																											
DESCRIPTION OF PROJECT: <p>This project is for the replacement and repairs of existing cathodic protection systems on various pipelines.</p>																															
JUSTIFICATION OF PROJECT: <p>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.</p>																															
COMMENTS:																															
FUND DETAILS: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">FUNDING SOURCE:</th> <th>Expansion</th> <th>Betterment</th> <th>Replacement</th> <th>New Water Supply</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Replacement</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> <tr> <td>TOTAL:</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> </tbody> </table>								FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total	Replacement	0 %	0 %	100 %	0 %	100 %	TOTAL:	0 %	0 %	100 %	0 %	100 %						
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): <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>PRIOR YEARS:</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> </tr> <tr> <th>TOTAL</th> <th>2014</th> <th>2015</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>\$15</td> <td>\$60</td> <td>\$125</td> <td>\$100</td> <td>\$0</td> <td>\$0</td> <td>\$0</td> <td>\$300</td> </tr> </tbody> </table>								PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY	TOTAL	2014	2015	2016	2017	2018	2019	Total	\$15	\$60	\$125	\$100	\$0	\$0	\$0	\$300
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY																								
TOTAL	2014	2015	2016	2017	2018	2019	Total																								
\$15	\$60	\$125	\$100	\$0	\$0	\$0	\$300																								

CIP Number: P2508

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2010	6/1/2013	\$15
DESIGN:	6/1/2013	12/1/2013	\$45
CONSTRUCTION:	3/5/2014	9/1/2016	\$240

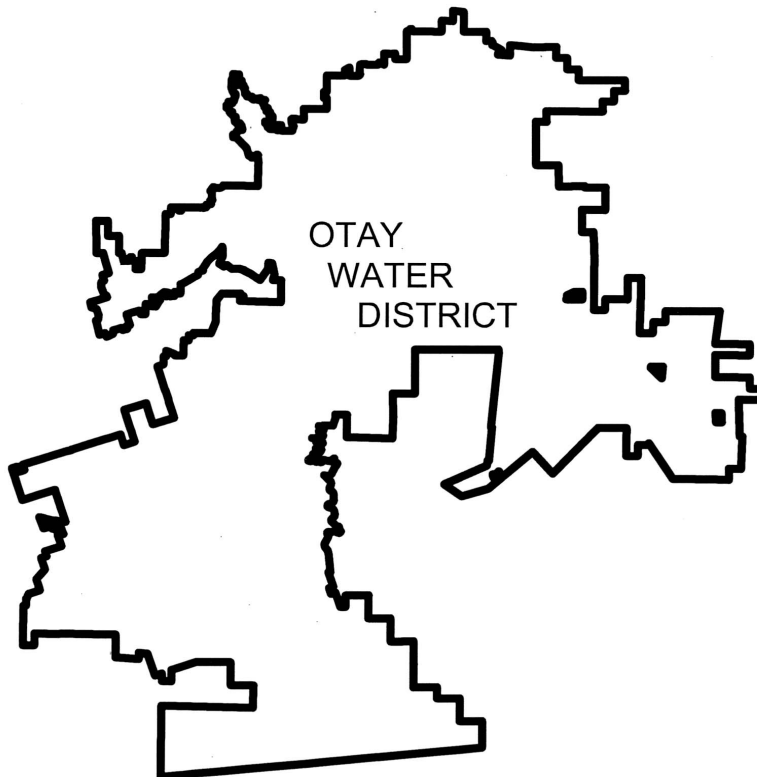
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: 4/29/2013

PROJECT TITLE: East Orange Avenue Bridge Crossing				CIP Number: P2513			
				DIRECTOR DIVISION: 2			
PROJECT MANAGER: Kevin Cameron				I.D. LOCATION: 10			
ORIGINAL APPROVED DATE: 5/16/2011				PRIORITY: 1			
RELATED CIP PROJECTS:				BUDGET AMOUNT: \$1,350,000			

DESCRIPTION OF PROJECT:

 Construction of approximately 1,900 feet of 12-inch pipeline in Olympic Parkway / East Orange Avenue across I-805. This project will provide a second 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 increased system reliability. City of Chula Vista and Caltrans are requiring work to be done at night to limit traffic impacts.

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	2014	2015	2016	2017	2018	2019	Total
\$1,050	\$300	\$0	\$0	\$0	\$0	\$0	\$1,350

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	5/1/2013	\$275
CONSTRUCTION:	6/1/2013	6/1/2014	\$1,050

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: Bob Kennedy

Date: 4/29/2013

PROJECT TITLE: 870-1 Reservoir Paving		CIP Number: P2515	
PROJECT MANAGER: Kevin Cameron		DIRECTOR DIVISION:	2
ORIGINAL APPROVED DATE: 5/16/2011		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	FY	FY	FY	FY	FY	FY
TOTAL	2014	2015	2016	2017	2018	2019	Total
\$60	\$490	\$0	\$0	\$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

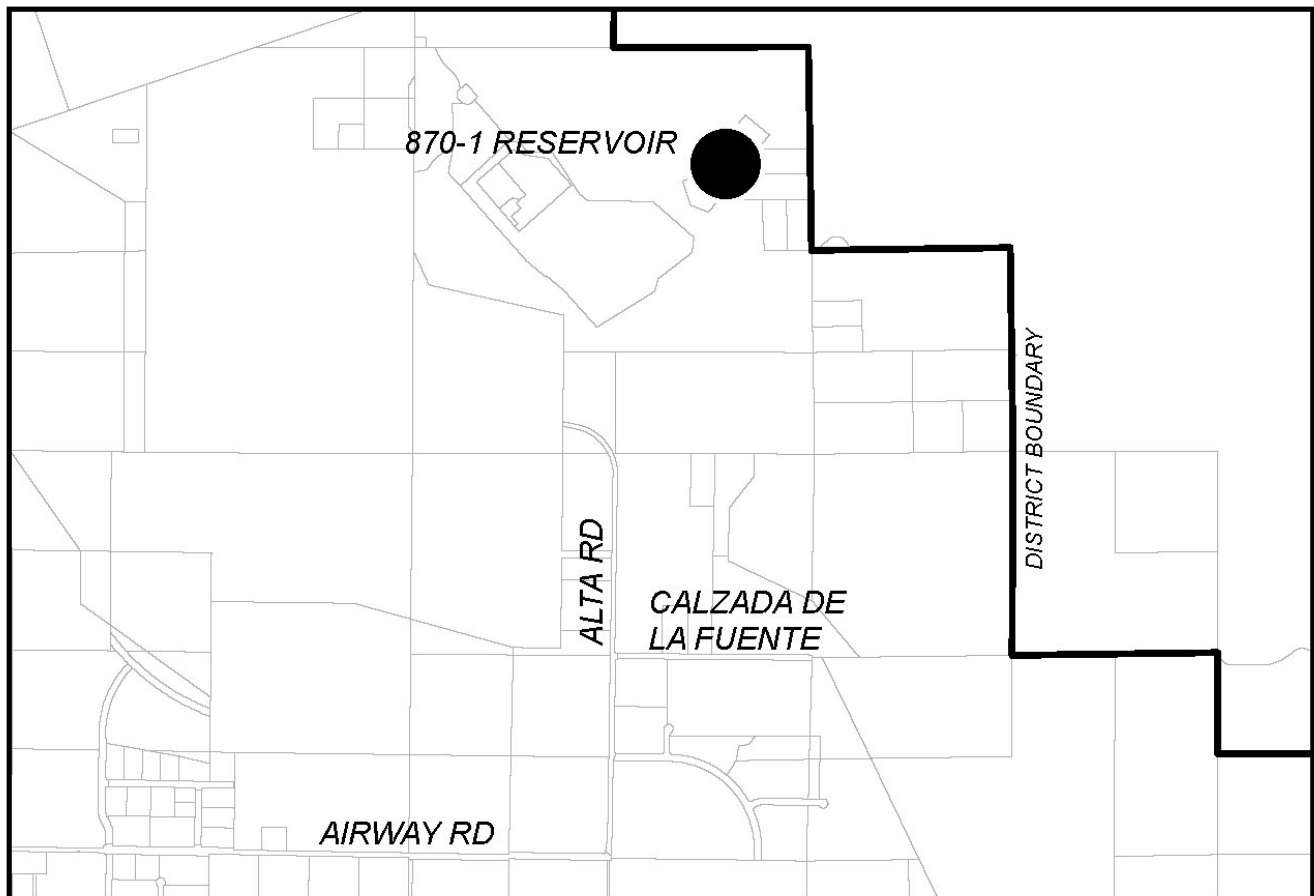
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: Bob Kennedy

Date: 4/29/2013

PROJECT TITLE: 803-3 Reservoir Interior/Exterior Coating				CIP Number: P2518			
				DIRECTOR DIVISION:		5	
PROJECT MANAGER:		Kevin Cameron		I.D. LOCATION:		20	
ORIGINAL APPROVED DATE:		5/15/2012		PRIORITY:		2	
RELATED CIP PROJECTS:				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	FY	FY	FY	FY	FY	FY
TOTAL	2014	2015	2016	2017	2018	2019	Total
\$625	\$125	\$0	\$0	\$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	\$65
CONSTRUCTION:	1/1/2013	9/1/2013	\$675

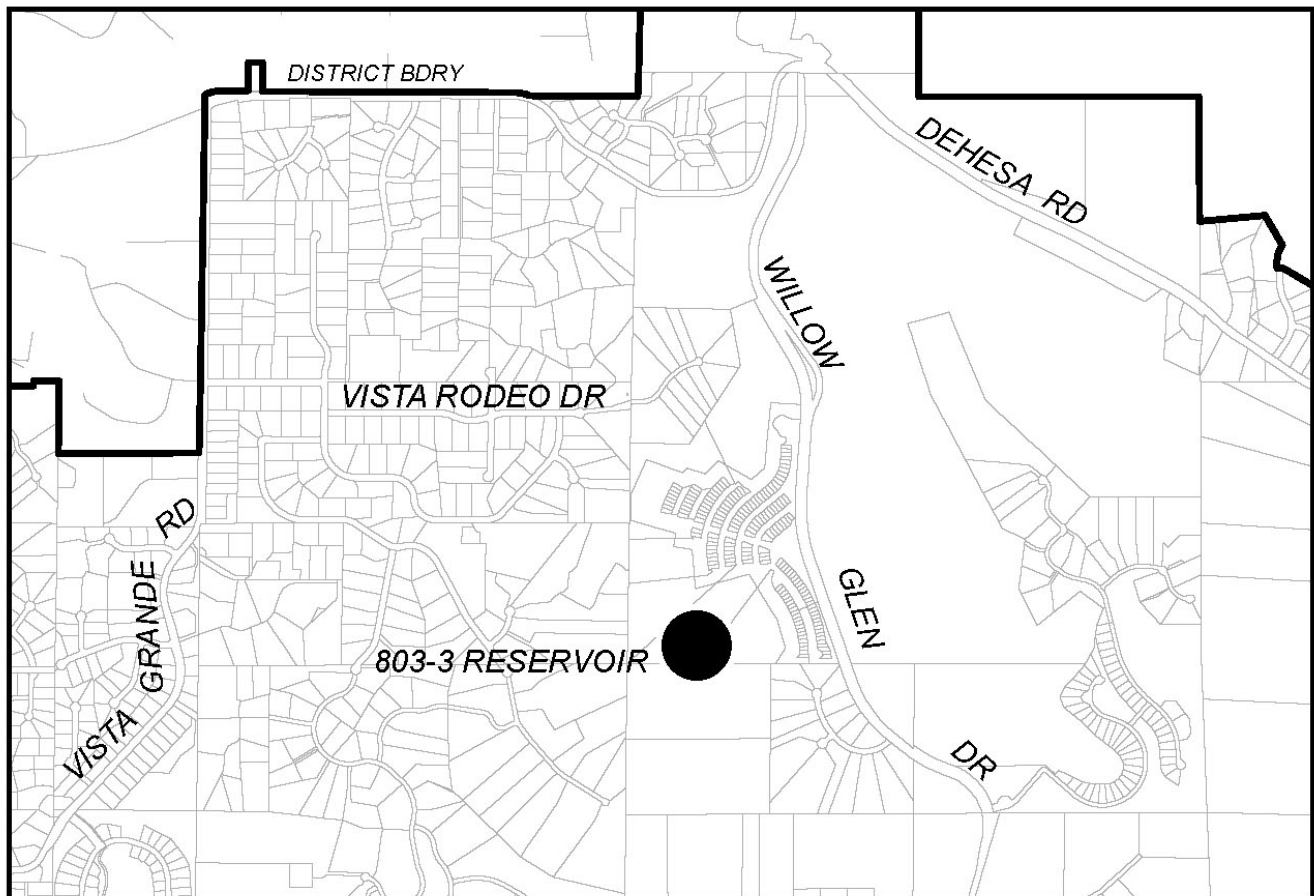
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: Bob Kennedy

Date: 4/29/2013

PROJECT TITLE: 832-2 Reservoir Interior/Exterior Coating				CIP Number: P2519			
				DIRECTOR DIVISION:		5	
PROJECT MANAGER:		Kevin Cameron		I.D. LOCATION:		2	
ORIGINAL APPROVED DATE:		5/15/2012		PRIORITY:		2	
RELATED CIP PROJECTS:				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	FY	FY	FY	FY	FY	FY
TOTAL	2014	2015	2016	2017	2018	2019	Total
\$440	\$335	\$0	\$0	\$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

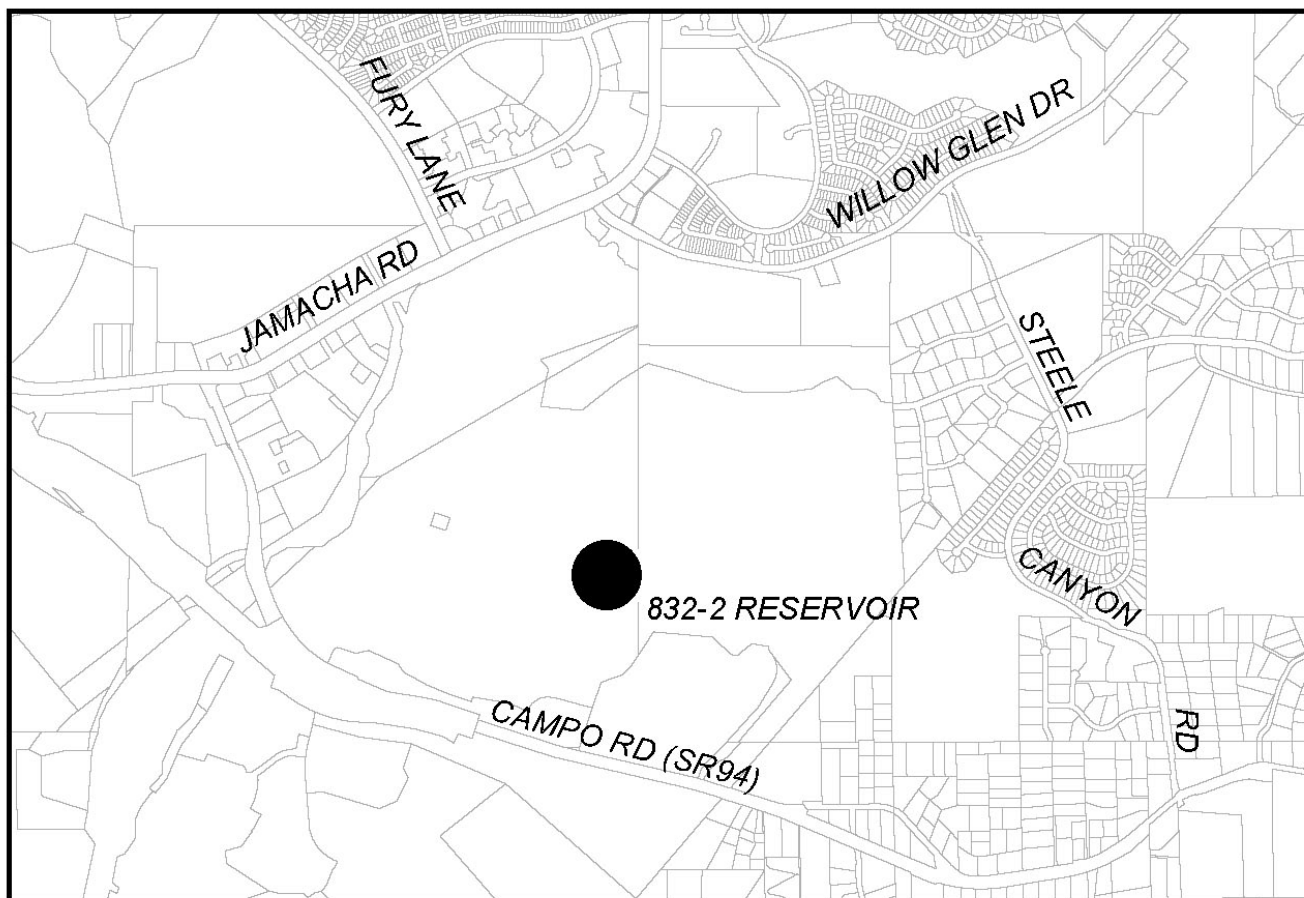
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: Bob Kennedy

Date: 4/29/2013

PROJECT TITLE: Motorola Mobile Radio Upgrade				CIP Number: P2520			
PROJECT MANAGER: Jose Martinez				DIRECTOR DIVISION: 0			
ORIGINAL APPROVED DATE: 5/16/2011				I.D. LOCATION: District Wide			
RELATED CIP PROJECTS:				PRIORITY: 1			
				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	FY	FY	FY	FY	FY	FY
TOTAL	2014	2015	2016	2017	2018	2019	Total
\$70	\$30	\$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	6/30/2014	\$100

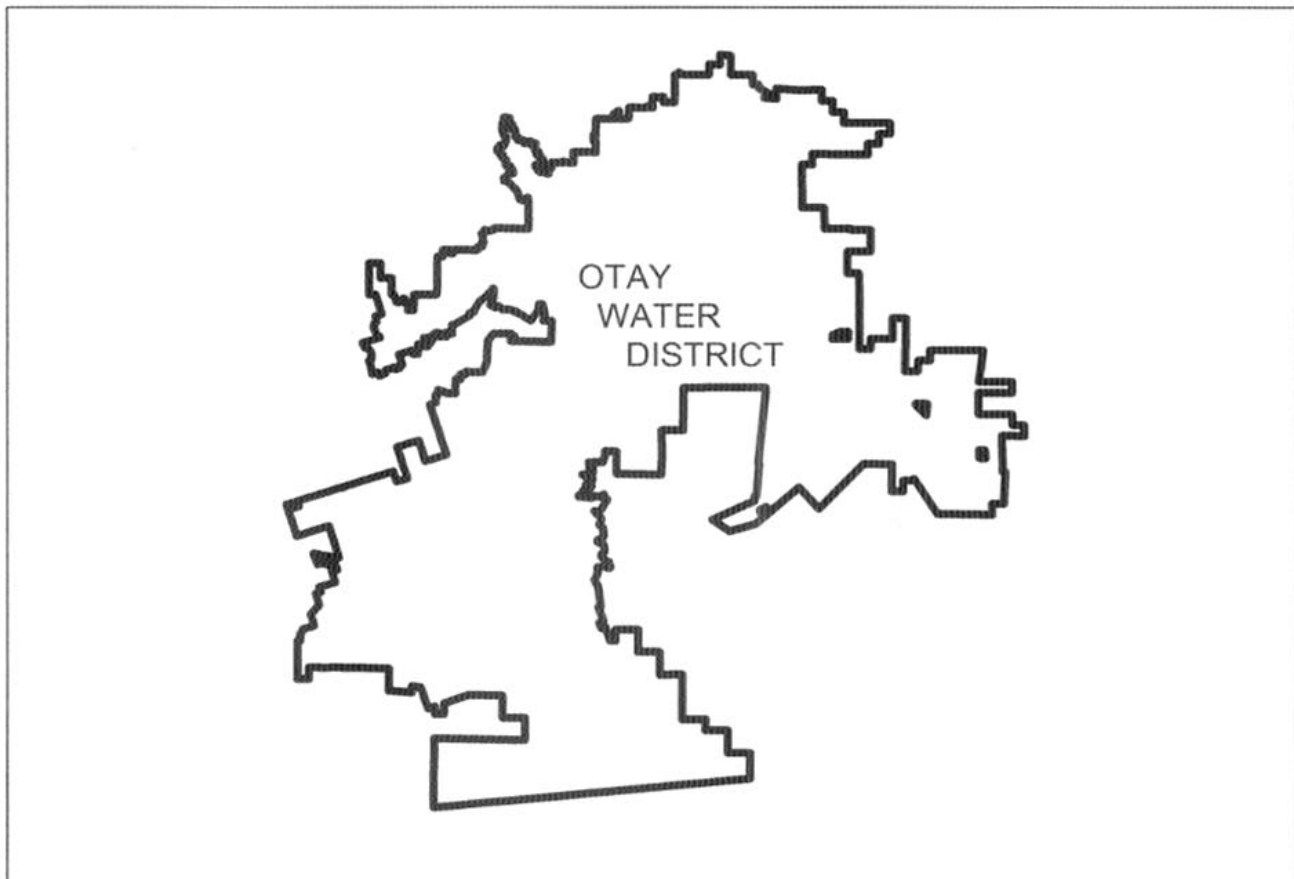
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: 4/29/2013

PROJECT TITLE: Large Meter Vault Upgrade Program				CIP Number: P2521																											
PROJECT MANAGER: Roger Holly				DIRECTOR DIVISION: 0																											
ORIGINAL APPROVED DATE: 5/16/2011				I.D. LOCATION: District Wide																											
RELATED CIP PROJECTS:				PRIORITY: 1																											
				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: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">FUNDING SOURCE:</th> <th>Expansion</th> <th>Betterment</th> <th>Replacement</th> <th>New Water Supply</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Replacement</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> <tr> <td>TOTAL:</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> </tbody> </table>								FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total	Replacement	0 %	0 %	100 %	0 %	100 %	TOTAL:	0 %	0 %	100 %	0 %	100 %						
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total																										
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TOTAL:	0 %	0 %	100 %	0 %	100 %																										
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PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY																								
TOTAL	2014	2015	2016	2017	2018	2019	Total																								
\$182	\$105	\$100	\$100	\$113	\$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	6/1/2016	\$600

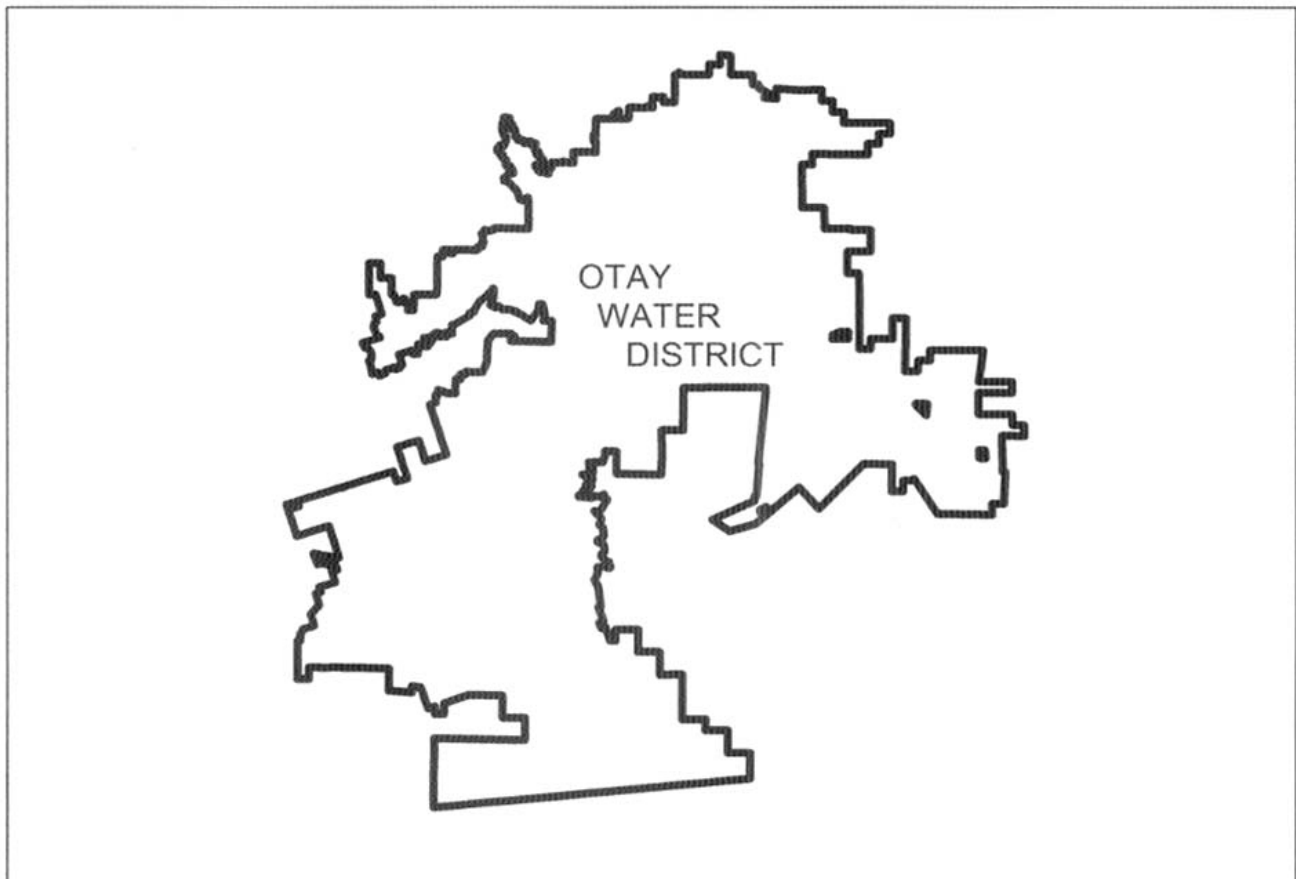
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: 4/29/2013

PROJECT TITLE: 944-1 Reservoir Interior & Exterior Coating				CIP Number: P2531			
				DIRECTOR DIVISION:		5	
PROJECT MANAGER:		Kevin Cameron		I.D. LOCATION:		9	
ORIGINAL APPROVED DATE:				PRIORITY:		2	
RELATED CIP PROJECTS:				BUDGET AMOUNT:		\$175,000	

DESCRIPTION OF PROJECT:

 This project provides funding for the interior and exterior coating of the 944-1 Reservoir. In addition, an assessment of the facility will be accomplished to assure compliance to all applicable codes and OSHA standards.

JUSTIFICATION OF PROJECT:

 Based upon the 2011 Cathodic Assessment Report, the 944-1 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	FY	FY	FY	FY	FY	FY
TOTAL	2014	2015	2016	2017	2018	2019	Total
	\$0	\$5	\$160	\$10	\$0	\$0	\$175

CIP Number: P2531

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	6/1/2014	8/31/2014	\$5
DESIGN:	9/1/2014	12/31/2014	\$25
CONSTRUCTION:	1/1/2015	8/1/2015	\$145

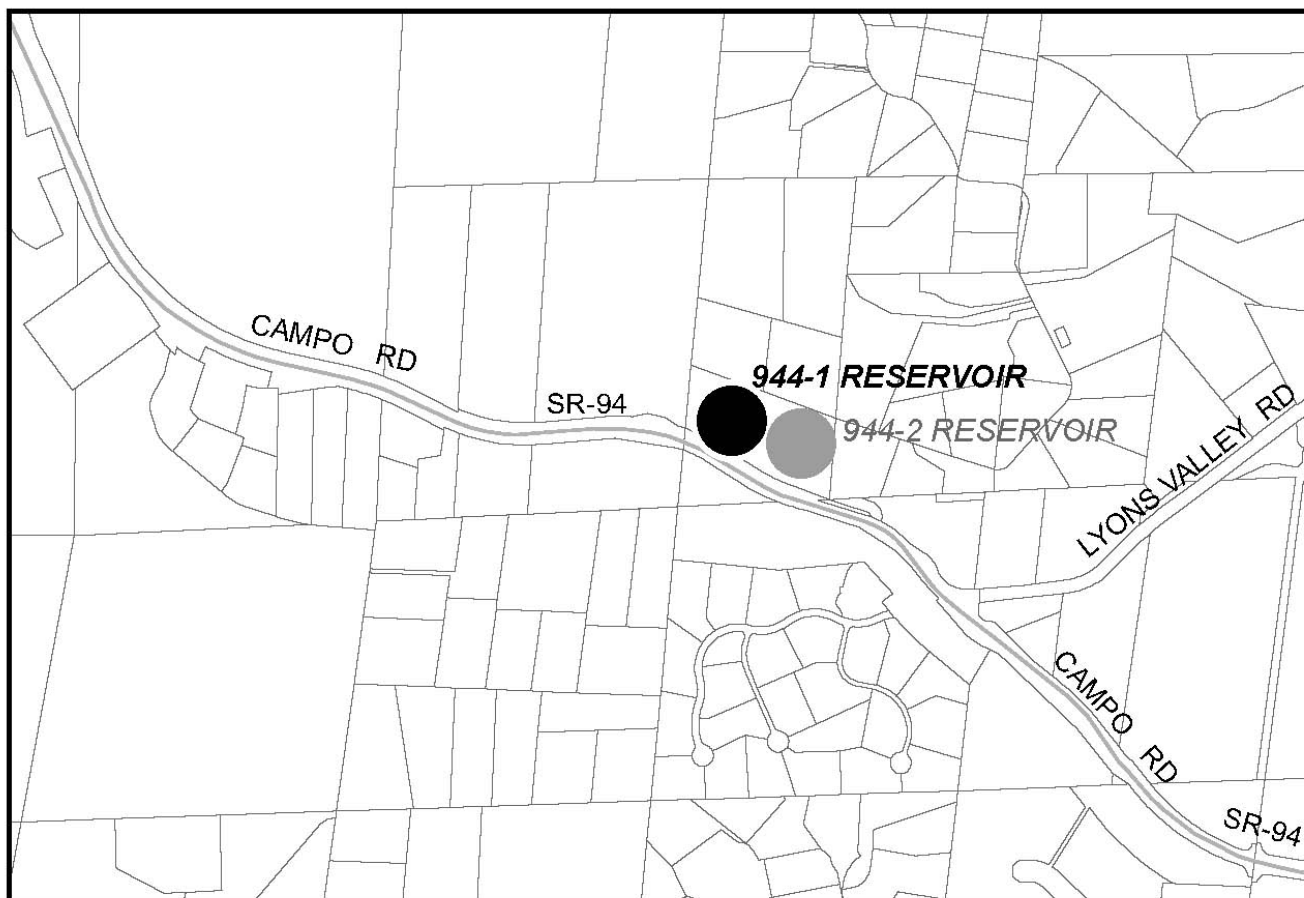
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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-G1

OWD Map Book: 322



Submitted By: Bob Kennedy

Date: 4/29/2013

PROJECT TITLE: 944-2 Reservoir Interior & Exterior Coating				CIP Number: P2532																											
PROJECT MANAGER: Kevin Cameron				DIRECTOR DIVISION: 5																											
ORIGINAL APPROVED DATE:				I.D. LOCATION: 9																											
RELATED CIP PROJECTS:				PRIORITY: 2																											
				BUDGET AMOUNT: \$725,000																											
DESCRIPTION OF PROJECT: This project provides funding for the interior and exterior coating of the 944-2 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 944-2 Reservoir interior and exterior coatings are in relatively poor condition and are in need of replacement.																															
COMMENTS:																															
FUND DETAILS: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">FUNDING SOURCE:</th> <th>Expansion</th> <th>Betterment</th> <th>Replacement</th> <th>New Water Supply</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Replacement</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> <tr> <td>TOTAL:</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> </tbody> </table>								FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total	Replacement	0 %	0 %	100 %	0 %	100 %	TOTAL:	0 %	0 %	100 %	0 %	100 %						
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): <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>PRIOR YEARS:</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> </tr> <tr> <th>TOTAL</th> <th>2014</th> <th>2015</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$5</td> <td style="text-align: right;">\$660</td> <td style="text-align: right;">\$60</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$725</td> </tr> </tbody> </table>								PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY	TOTAL	2014	2015	2016	2017	2018	2019	Total	\$0	\$5	\$660	\$60	\$0	\$0	\$0	\$725
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY																								
TOTAL	2014	2015	2016	2017	2018	2019	Total																								
\$0	\$5	\$660	\$60	\$0	\$0	\$0	\$725																								

CIP Number: P2532

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	6/1/2014	8/31/2014	\$5
DESIGN:	9/1/2014	12/31/2014	\$75
CONSTRUCTION:	1/1/2015	8/1/2015	\$645

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: 1292-G1

OWD Map Book: 322



Submitted By: Bob Kennedy

Date: 4/29/2013

PROJECT TITLE: 458-2 Reservoir Interior Coating				CIP Number: P2535			
PROJECT MANAGER: Kevin Cameron				DIRECTOR DIVISION: 2			
ORIGINAL APPROVED DATE: 5/15/2012				I.D. LOCATION: 9			
RELATED CIP PROJECTS:				PRIORITY: 2			
				BUDGET AMOUNT: \$425,000			

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	FY	FY	FY	FY	FY	FY
TOTAL	2014	2015	2016	2017	2018	2019	Total
\$10	\$345	\$70	\$0	\$0	\$0	\$0	\$425

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	\$65
CONSTRUCTION:	1/1/2014	6/1/2014	\$355

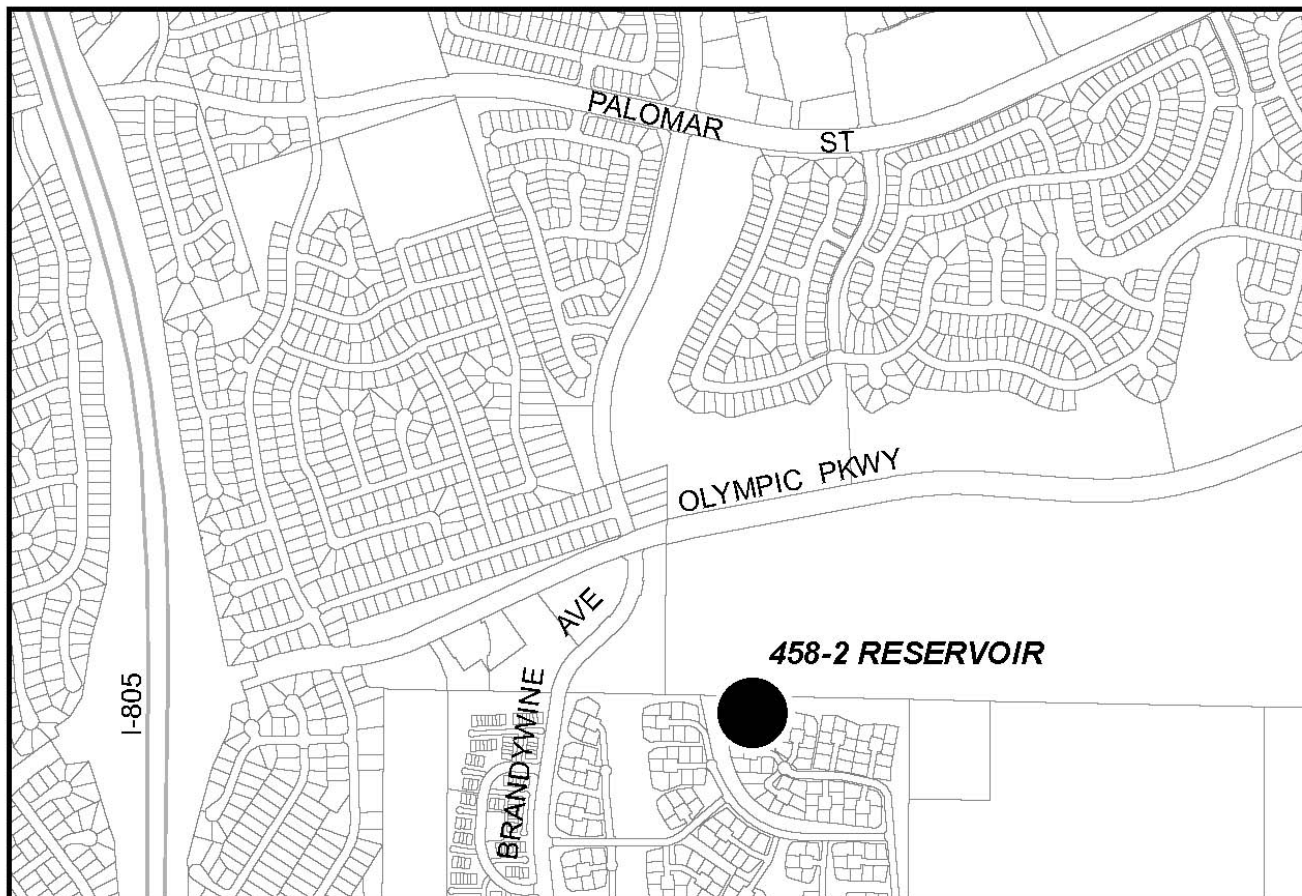
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: Bob Kennedy

Date: 4/29/2013

PROJECT TITLE: Administration and Operations Building Fire Sprinkler Replacement Program				CIP Number: P2538																											
				DIRECTOR DIVISION:		5																									
PROJECT MANAGER:		Kevin Cameron		I.D. LOCATION:		1																									
ORIGINAL APPROVED DATE:				PRIORITY:		1																									
RELATED CIP PROJECTS:				BUDGET AMOUNT:		\$400,000																									
DESCRIPTION OF PROJECT: A licensed fire sprinkler designer is required to prepare plans and specifications for the work and obtain all permits and approvals before the project can be competitively bid by contractors.																															
JUSTIFICATION OF PROJECT: Inspections of the Administration building and the Operations building fire sprinkler systems are performed to NFPA-25, California Code of Regulations, Title 19 and Local Fire Department requirements annually. A recent inspection of the fire sprinkler system has identified corrosion throughout the systems as the cause for leaks the District experienced last year and is recommending the replacement of the existing fire sprinkler systems piping.																															
COMMENTS:																															
FUND DETAILS: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">FUNDING SOURCE:</th> <th>Expansion</th> <th>Betterment</th> <th>Replacement</th> <th>New Water Supply</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Replacement</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> <tr> <td>TOTAL:</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> </tbody> </table>								FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total	Replacement	0 %	0 %	100 %	0 %	100 %	TOTAL:	0 %	0 %	100 %	0 %	100 %						
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): <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>PRIOR YEARS:</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> </tr> <tr> <th>TOTAL</th> <th>2014</th> <th>2015</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$100</td> <td style="text-align: right;">\$300</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$400</td> </tr> </tbody> </table>								PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY	TOTAL	2014	2015	2016	2017	2018	2019	Total	\$0	\$100	\$300	\$0	\$0	\$0	\$0	\$400
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY																								
TOTAL	2014	2015	2016	2017	2018	2019	Total																								
\$0	\$100	\$300	\$0	\$0	\$0	\$0	\$400																								

CIP Number: P2538

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	12/1/2012	7/1/2013	\$0
DESIGN:	7/1/2013	3/1/2014	\$50
CONSTRUCTION:	3/1/2014	12/1/2014	\$350

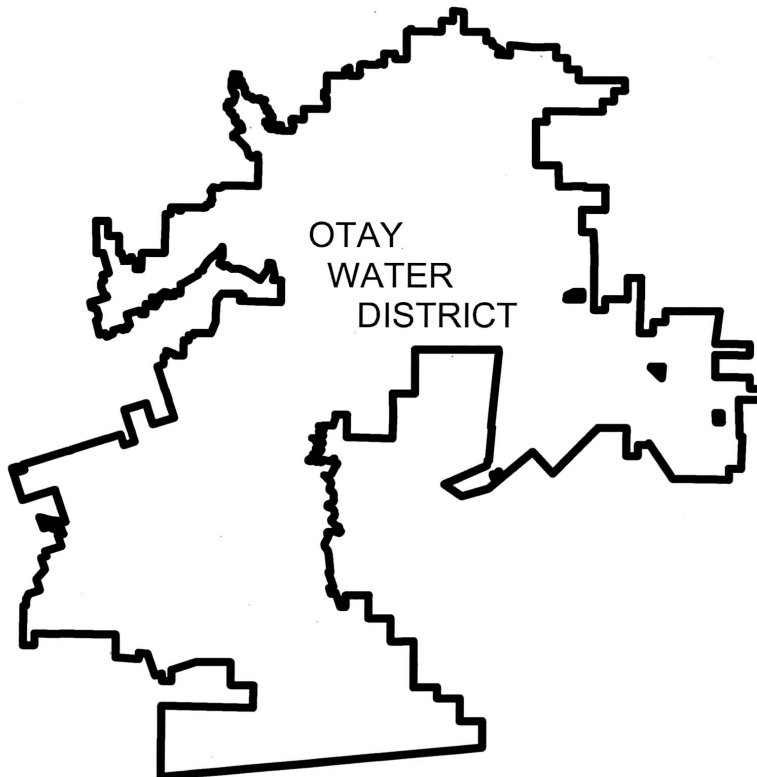
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: 4/29/2013

PROJECT TITLE: Sweetwater River Wooden Trestle Improvement for the Recycled Water Forcemain		CIP Number: R2109	
		DIRECTOR DIVISION:	3
PROJECT MANAGER:	Bob Kennedy	I.D. LOCATION:	22/27
ORIGINAL APPROVED DATE:		PRIORITY:	2
RELATED CIP PROJECTS:		BUDGET AMOUNT:	\$350,000

DESCRIPTION OF PROJECT: Modification of the wooden trestle to reduce the potential damage of a wildfire event to the structure.

JUSTIFICATION OF PROJECT: The existing wooden trestle over the Sweetwater River supports a 14-inch steel force main for recycled water. The 200 foot long wooden trestle was built in 1980 and a recent assessment has recommended a brush management plan be prepared to extend into the adjacent San Diego National Wildlife Refuge. The report also recommends the installation of a heat shield, installation of a fire suppression system, or modification of the existing structure to reduce the threat of wildfire to the structure.
--

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	2014	2015	2016	2017	2018	2019	Total
\$0	\$100	\$100	\$150	\$0	\$0	\$0	\$350

CIP Number: R2109

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2013	6/1/2014	\$100
DESIGN:	7/1/2014	6/1/2015	\$100
CONSTRUCTION:	7/1/2015	6/1/2016	\$150

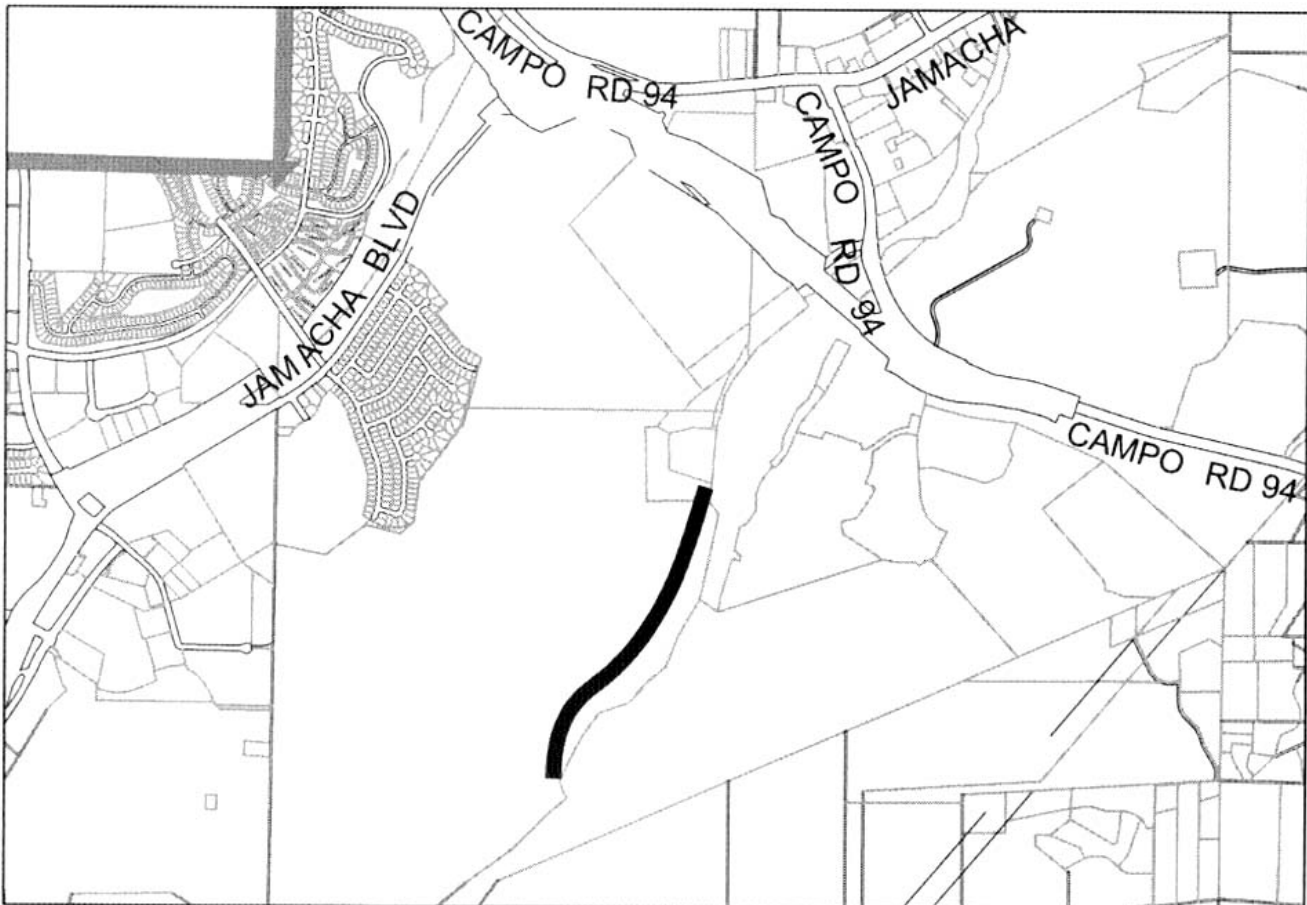
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	Total
MAINT:	\$0	\$0	\$0	\$3,000	\$3,100	\$3,200	\$9,300
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: Bob Kennedy

Date: 4/25/2013

PROJECT TITLE: RWCWRF - RAS Pump Replacement				CIP Number: R2111			
				DIRECTOR DIVISION: 3			
PROJECT MANAGER:		Lisa Coburn-Boyd		I.D. LOCATION:		20	
ORIGINAL APPROVED DATE:				PRIORITY: 1			
RELATED CIP PROJECTS:		R2096		BUDGET AMOUNT:		\$100,000	

DESCRIPTION OF PROJECT:

 Replace and upgrade the RAS pumps to 350 GPM to improve process control of the plant.
 .

JUSTIFICATION OF PROJECT:

 These improvements are needed due to increased pumping requirements of the new process. The existing pumps were installed in 1992 and are reaching the end of their useful life.

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	2014	2015	2016	2017	2018	2019	Total
	\$0	\$100	\$0	\$0	\$0	\$0	\$100

CIP Number: R2111

PROJECT SCHEDULE:

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

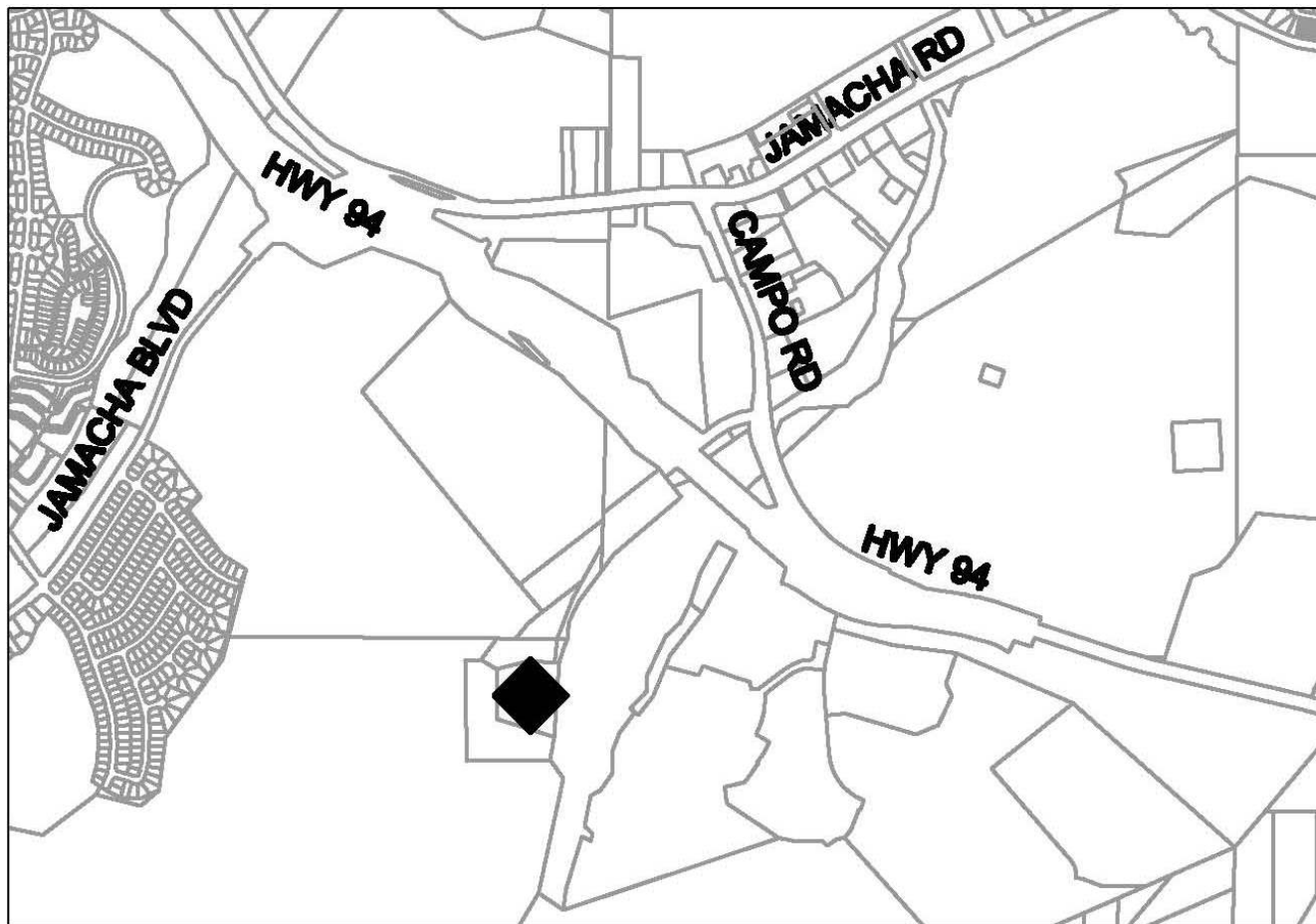
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: Bob Kennedy

Date: 4/30/2013

PROJECT TITLE: San Diego County Sanitation District Outfall and RSD Outfall Replacement		CIP Number: S2012	
		DIRECTOR DIVISION:	3
PROJECT MANAGER:	Bob Kennedy	I.D. LOCATION:	18
ORIGINAL APPROVED DATE:	6/4/2003	PRIORITY:	1
RELATED CIP PROJECTS:		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	FY	FY	FY	FY	FY	FY
TOTAL	2014	2015	2016	2017	2018	2019	Total
\$860	\$450	\$450	\$450	\$450	\$450	\$440	\$3,550

CIP Number: S2012

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2003	6/1/2019	\$3,550
DESIGN:			\$0
CONSTRUCTION:			\$0

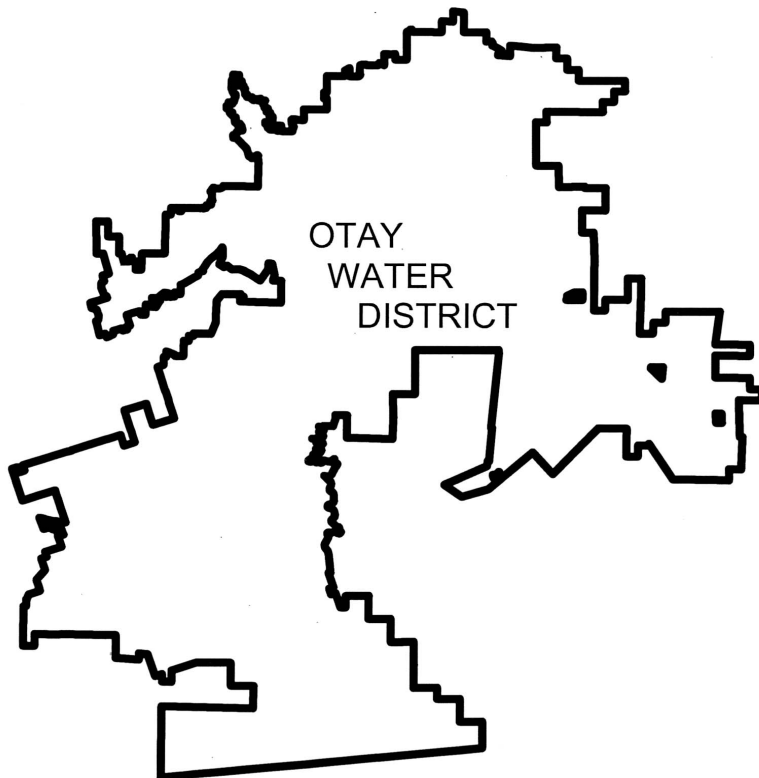
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: 4/29/2013

PROJECT TITLE: Campo Road Sewer Main Replacement				CIP Number: S2024			
				DIRECTOR DIVISION: 3			
PROJECT MANAGER:		Kevin Cameron		I.D. LOCATION:		18	
ORIGINAL APPROVED DATE:		5/17/2010		PRIORITY:		2	
RELATED CIP PROJECTS:				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	FY	FY	FY	FY	FY	FY
TOTAL	2014	2015	2016	2017	2018	2019	Total
	\$50	\$275	\$1,975	\$2,375	\$825	\$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	6/1/2014	\$325
DESIGN:	7/1/2015	4/1/2016	\$825
CONSTRUCTION:	4/1/2016	6/1/2017	\$4,350

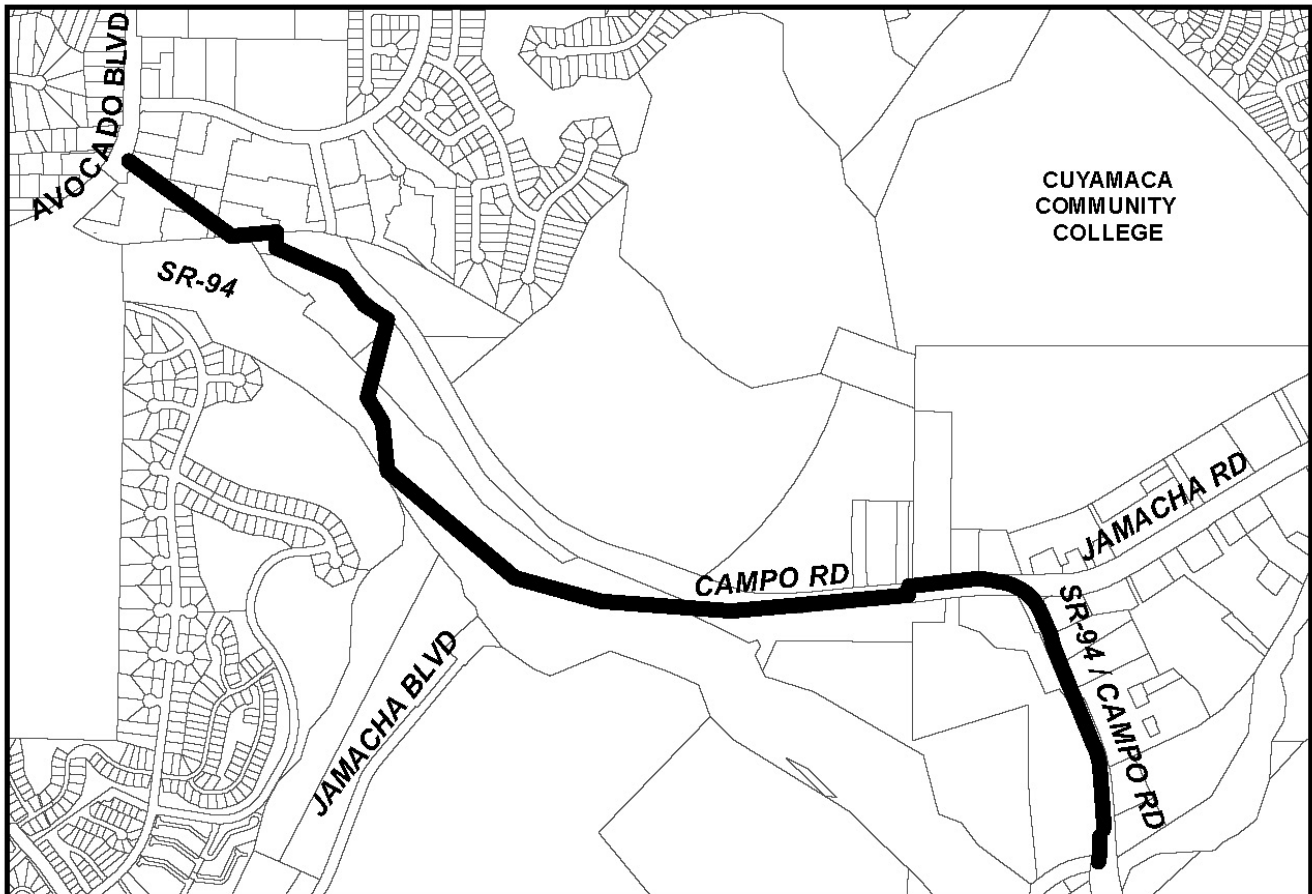
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: Bob Kennedy

Date: 4/29/2013

PROJECT TITLE: Rancho San Diego Pump Station Rehabilitation				CIP Number: S2027			
				DIRECTOR DIVISION:		3	
PROJECT MANAGER:		Bob Kennedy		I.D. LOCATION:		18	
ORIGINAL APPROVED DATE:		5/16/2011		PRIORITY:		2	
RELATED CIP PROJECTS:				BUDGET AMOUNT:		\$2,900,000	

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND 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	2014	2015	2016	2017	2018	2019	Total
	\$50	\$500	\$2,350	\$0	\$0	\$0	\$2,900

CIP Number: S2027

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2011	7/1/2013	\$50
DESIGN:	7/1/2012	7/1/2014	\$500
CONSTRUCTION:	1/1/2013	7/1/2015	\$2,350

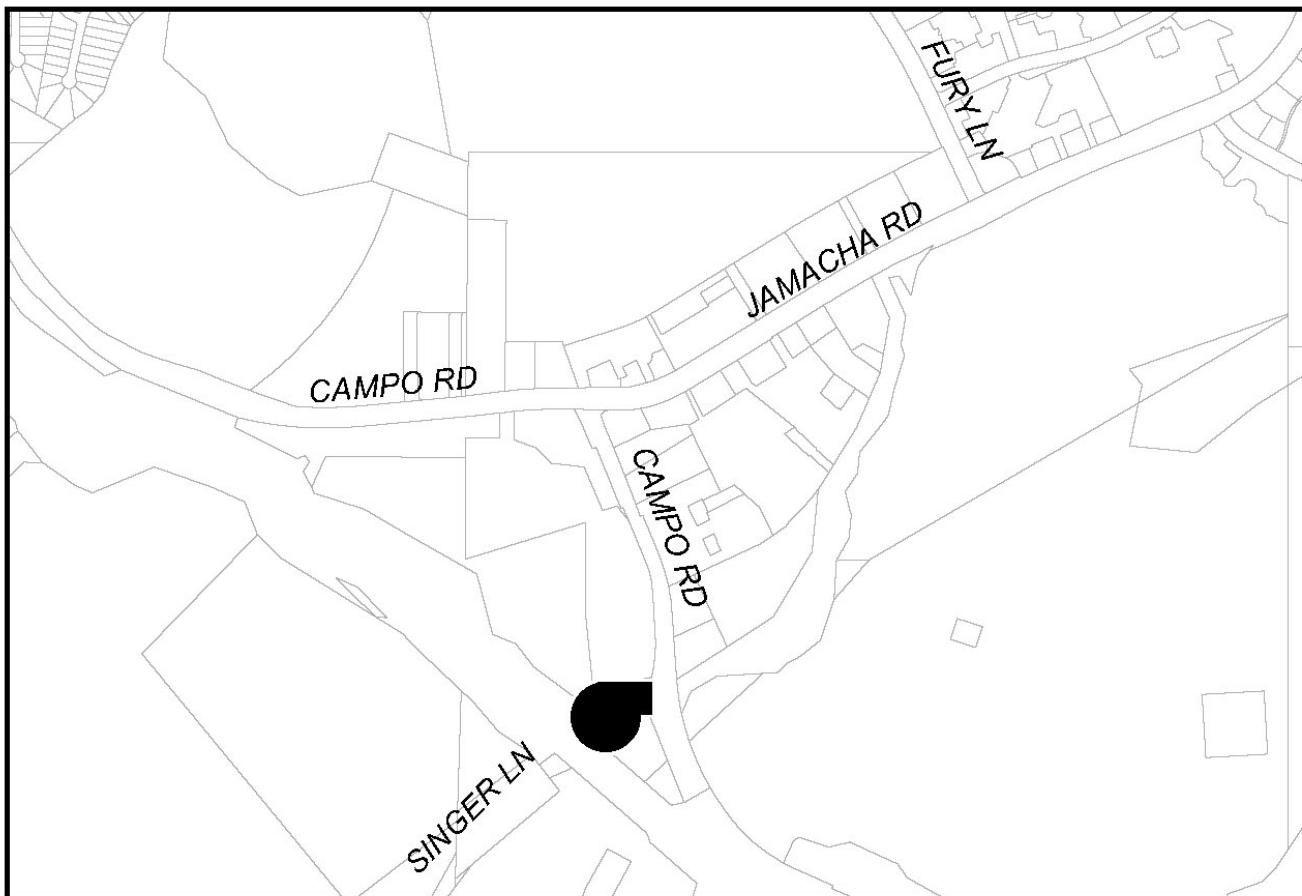
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: 4/29/2013

PROJECT TITLE: Sewer System Rehabilitation		CIP Number: S2033	
		DIRECTOR DIVISION:	5
PROJECT MANAGER:	Jeff Marchioro	I.D. LOCATION:	18
ORIGINAL APPROVED DATE:	5/16/2011	PRIORITY:	1
RELATED CIP PROJECTS:		BUDGET AMOUNT:	\$6,000,000

DESCRIPTION OF PROJECT:

 This project provides funding for sewer system rehabilitation efforts that have been identified. These efforts involve replacement of approximately 13,000 lineal feet of failing or damaged pipe segments, separated pipe joints, etc.

JUSTIFICATION OF PROJECT:

 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.

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	2014	2015	2016	2017	2018	2019	Total
	\$300	\$800	\$1,000	\$1,300	\$800	\$800	\$6,000

CIP Number: S2033

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2011	1/1/2016	\$400
DESIGN:	3/1/2013	1/1/2017	\$1,000
CONSTRUCTION:	1/1/2014	1/1/2019	\$4,600

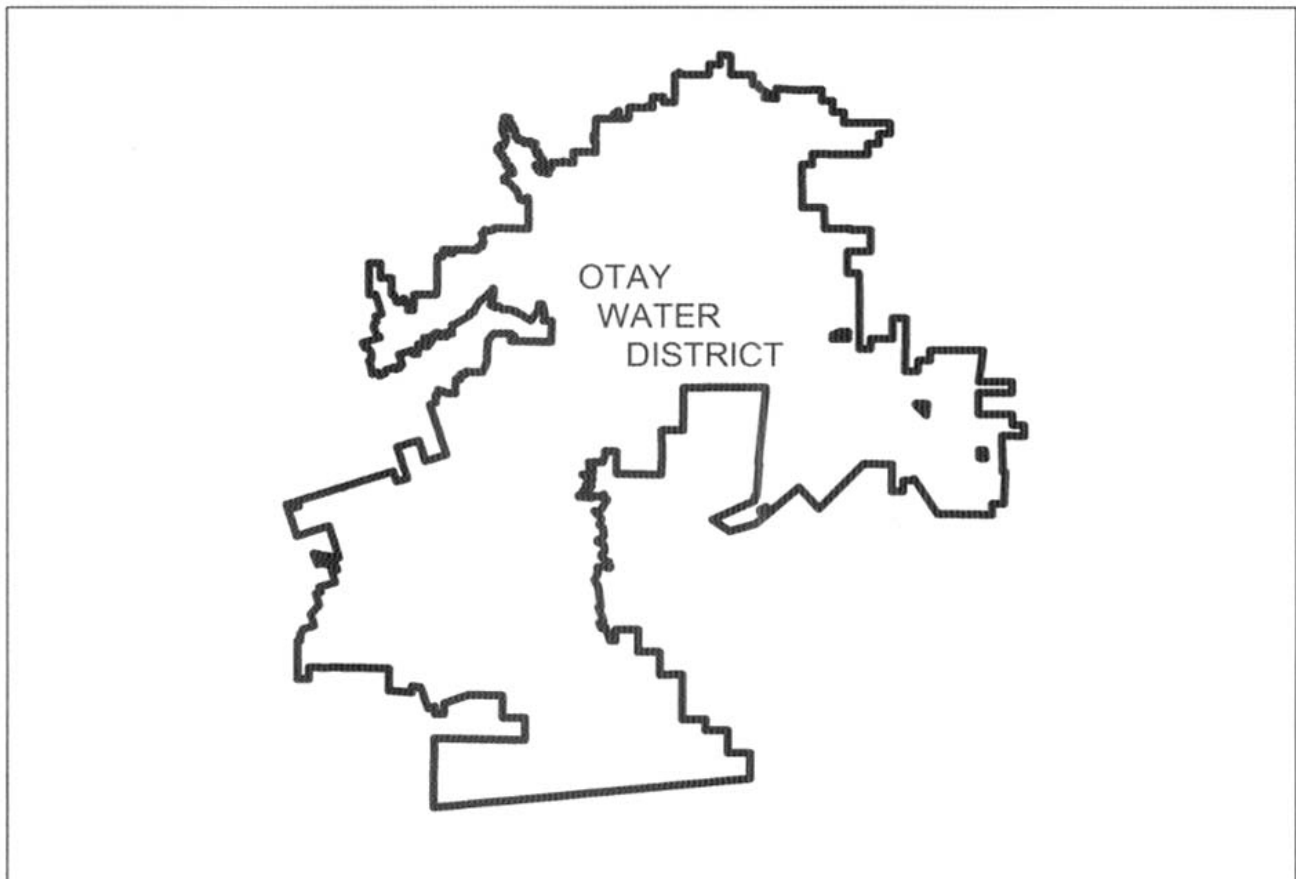
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: 4/29/2013

PROJECT TITLE: Vehicle Capital Purchases				CIP Number: P2282																											
PROJECT MANAGER: Doug Rahders				DIRECTOR DIVISION: 0																											
ORIGINAL APPROVED DATE: 6/3/1996				I.D. LOCATION: District Wide																											
RELATED CIP PROJECTS:				PRIORITY: 1																											
				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:																															
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FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total																										
Replacement	0 %	0 %	100 %	0 %	100 %																										
TOTAL:	0 %	0 %	100 %	0 %	100 %																										
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PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY																								
TOTAL	2014	2015	2016	2017	2018	2019	Total																								
\$2,880	\$266	\$450	\$450	\$475	\$500	\$0	\$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

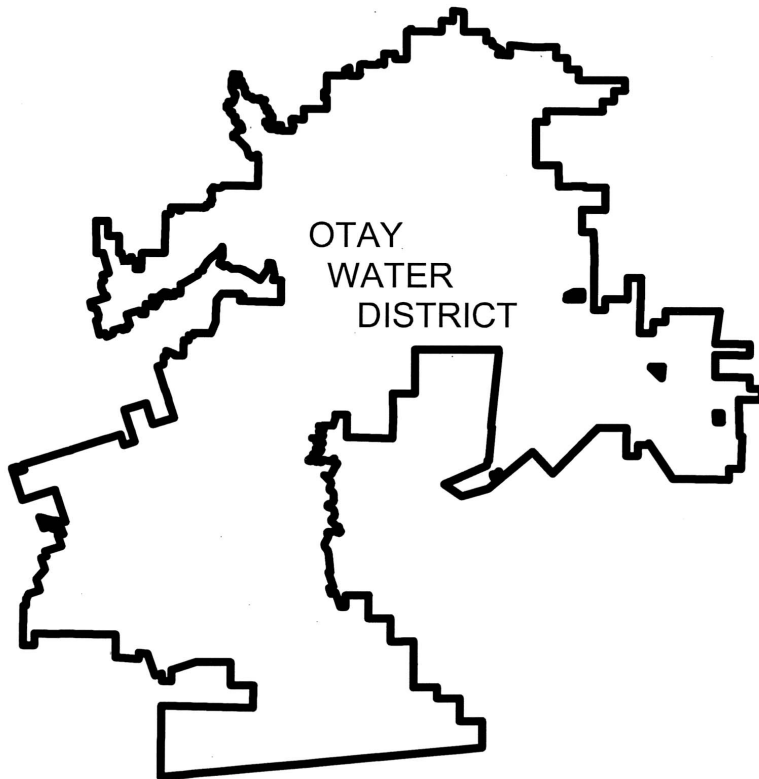
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: 4/25/2013

PROJECT TITLE: Office Equipment and Furniture Capital Purchases				CIP Number: P2285			
				DIRECTOR DIVISION: 0			
PROJECT MANAGER:		Steve Dobrawa		I.D. LOCATION:		District Wide	
ORIGINAL APPROVED DATE:		6/3/1996		PRIORITY:		1	
RELATED CIP PROJECTS:				BUDGET AMOUNT:		\$589,000	

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

 Replacements or new acquisitions of office equipment and furniture will be used for operational and administrative functions throughout the entire Otay 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	FY	FY	FY	FY	FY	FY
TOTAL	2014	2015	2016	2017	2018	2019	Total
\$504	\$55	\$15	\$15	\$0	\$0	\$0	\$589

CIP Number: P2285

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	12/1/2000	6/1/2018	\$589
DESIGN:			\$0
CONSTRUCTION:			\$0

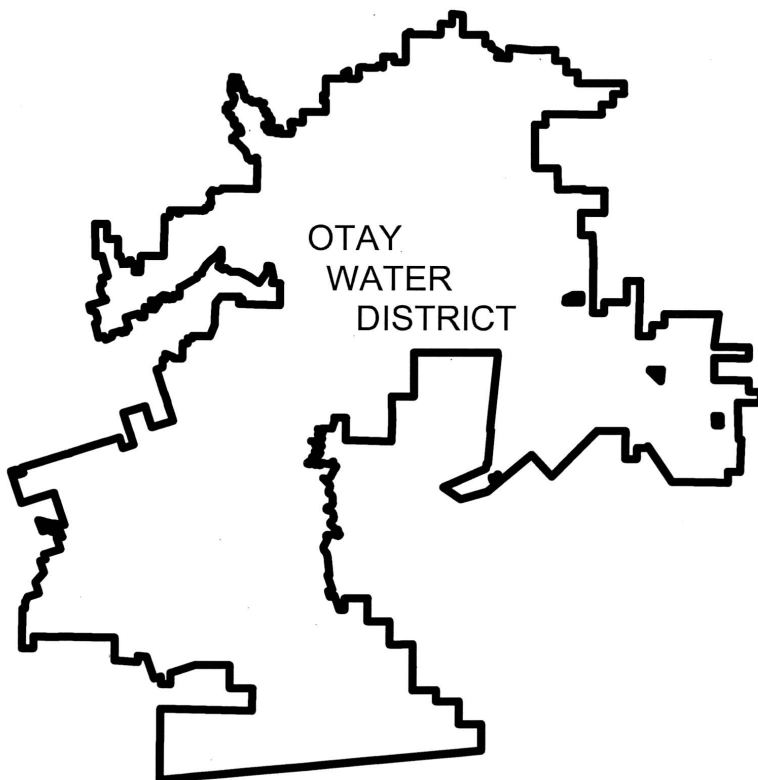
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: 4/25/2013

PROJECT TITLE: Field Equipment Capital Purchases				CIP Number: P2286																											
PROJECT MANAGER: Doug Rahders				DIRECTOR DIVISION: 255																											
ORIGINAL APPROVED DATE: 6/3/1996				I.D. LOCATION: District Wide																											
RELATED CIP PROJECTS:				PRIORITY: 1																											
				BUDGET AMOUNT: \$1,758,000																											
DESCRIPTION OF PROJECT: <p>This project provides funding for capital purchase of various pieces of field equipment used for daily Otay Water District functions.</p>																															
JUSTIFICATION OF PROJECT: <p>Replacements or new acquisitions of field equipment will be used for operational functions throughout the entire Otay Water District.</p>																															
COMMENTS:																															
FUND DETAILS: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">FUNDING SOURCE:</th> <th>Expansion</th> <th>Betterment</th> <th>Replacement</th> <th>New Water Supply</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Replacement</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> <tr> <td>TOTAL:</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> </tbody> </table>								FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total	Replacement	0 %	0 %	100 %	0 %	100 %	TOTAL:	0 %	0 %	100 %	0 %	100 %						
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): <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>PRIOR YEARS:</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> </tr> <tr> <th>TOTAL</th> <th>2014</th> <th>2015</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>\$1,254</td> <td>\$149</td> <td>\$84</td> <td>\$68</td> <td>\$68</td> <td>\$68</td> <td>\$67</td> <td>\$1,758</td> </tr> </tbody> </table>								PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY	TOTAL	2014	2015	2016	2017	2018	2019	Total	\$1,254	\$149	\$84	\$68	\$68	\$68	\$67	\$1,758
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY																								
TOTAL	2014	2015	2016	2017	2018	2019	Total																								
\$1,254	\$149	\$84	\$68	\$68	\$68	\$67	\$1,758																								

CIP Number: P2286

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/1996	6/1/2019	\$1,758
DESIGN:			\$0
CONSTRUCTION:			\$0

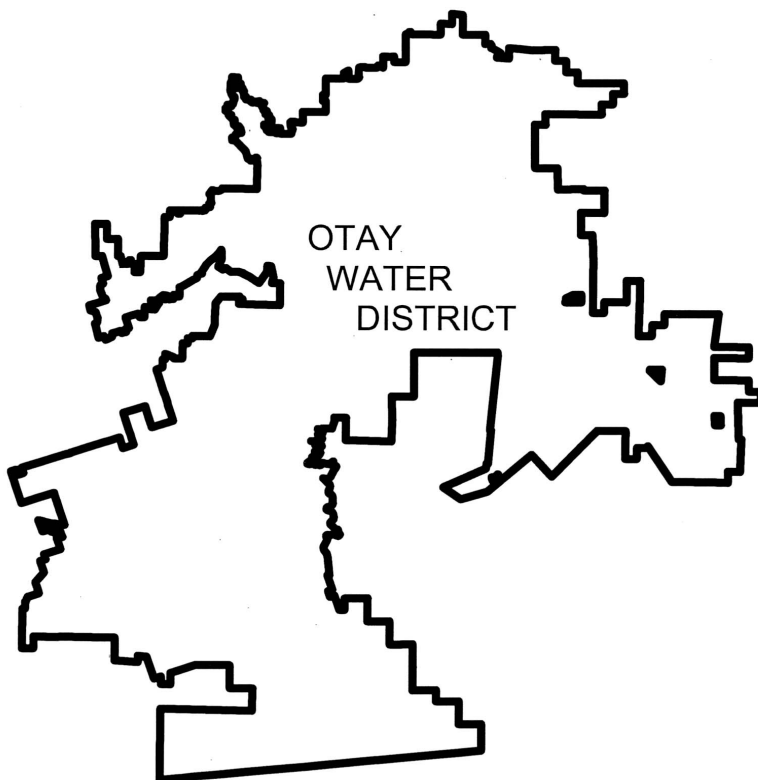
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: 4/25/2013

PROJECT TITLE: Information Technology Network and Hardware				CIP Number: P2469			
				DIRECTOR DIVISION: 0			
PROJECT MANAGER:		Adolfo Segura		I.D. LOCATION:		District Wide	
ORIGINAL APPROVED DATE:		6/23/2008		PRIORITY:		1	
RELATED CIP PROJECTS:				BUDGET AMOUNT: \$2,509,000			

DESCRIPTION OF PROJECT:

 This project will provide hardware and operating system improvements in 2014 to create new functionality in the data center.
 - Net App Storage Area Network (SAN), Backup and Off-site Cloud Storage (DR Services): System Replacement (\$150K)
 - Enhanced Network Switching (\$200K)

JUSTIFICATION OF PROJECT:

 Enhance data center hardware and software to accommodate purchase of new and more efficient services to enhance capacity, reliability, security, and disaster recovery. In addition, these funds will replace legacy end-of-life equipment.

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	FY	FY	FY	FY	FY	FY
TOTAL	2014	2015	2016	2017	2018	2019	Total
\$1,459	\$350	\$100	\$100	\$100	\$200	\$200	\$2,509

CIP Number: P2469

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2008	6/30/2019	\$2,509
DESIGN:			\$0
CONSTRUCTION:			\$0

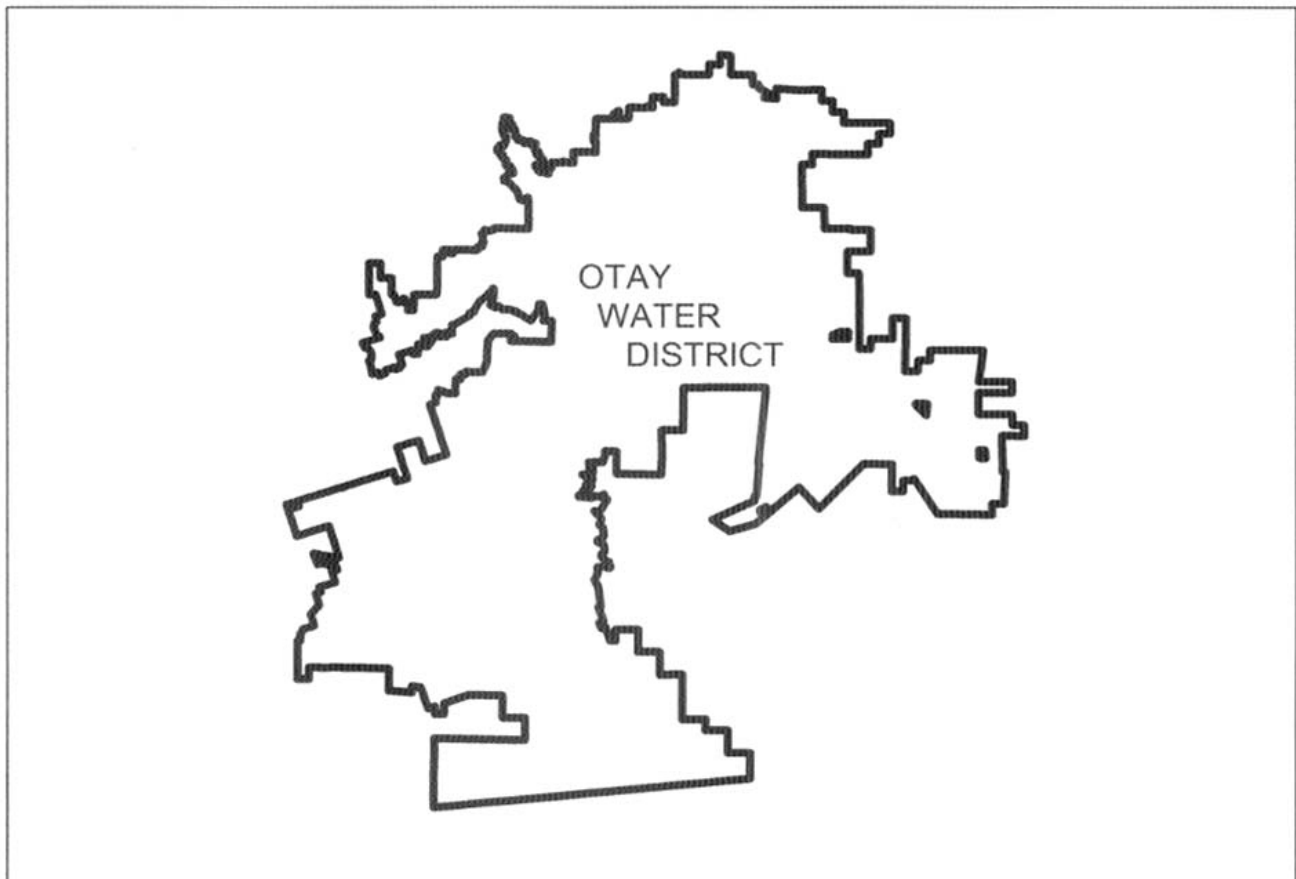
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: 4/25/2013

PROJECT TITLE: Financial System Enhancements				CIP Number: P2470			
				DIRECTOR DIVISION: 0			
PROJECT MANAGER:		Geoff Stevens		I.D. LOCATION:		District Wide	
ORIGINAL APPROVED DATE:		6/23/2008		PRIORITY:		1	
RELATED CIP PROJECTS:				BUDGET AMOUNT: \$2,322,000			

DESCRIPTION OF PROJECT:

 This project is to develop enhancements and new integration functionality for Eden, GIS, Work-Order, 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 FY 2014 are listed below. Items for 2015 and beyond will be determined as part of the 2015-2017 strategic plan process.

 1) Development with ESRI of GIS for Infrastructure Management \$80K

 2) Support for Eden modifications for Work Order, Purchasing, and Billing System Modifications (\$50K)

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	FY	FY	FY	FY	FY	FY
TOTAL	2014	2015	2016	2017	2018	2019	Total
\$1,631	\$130	\$100	\$100	\$100	\$100	\$161	\$2,322

CIP Number: P2470

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2008	6/1/2019	\$2,322
DESIGN:			\$0
CONSTRUCTION:			\$0

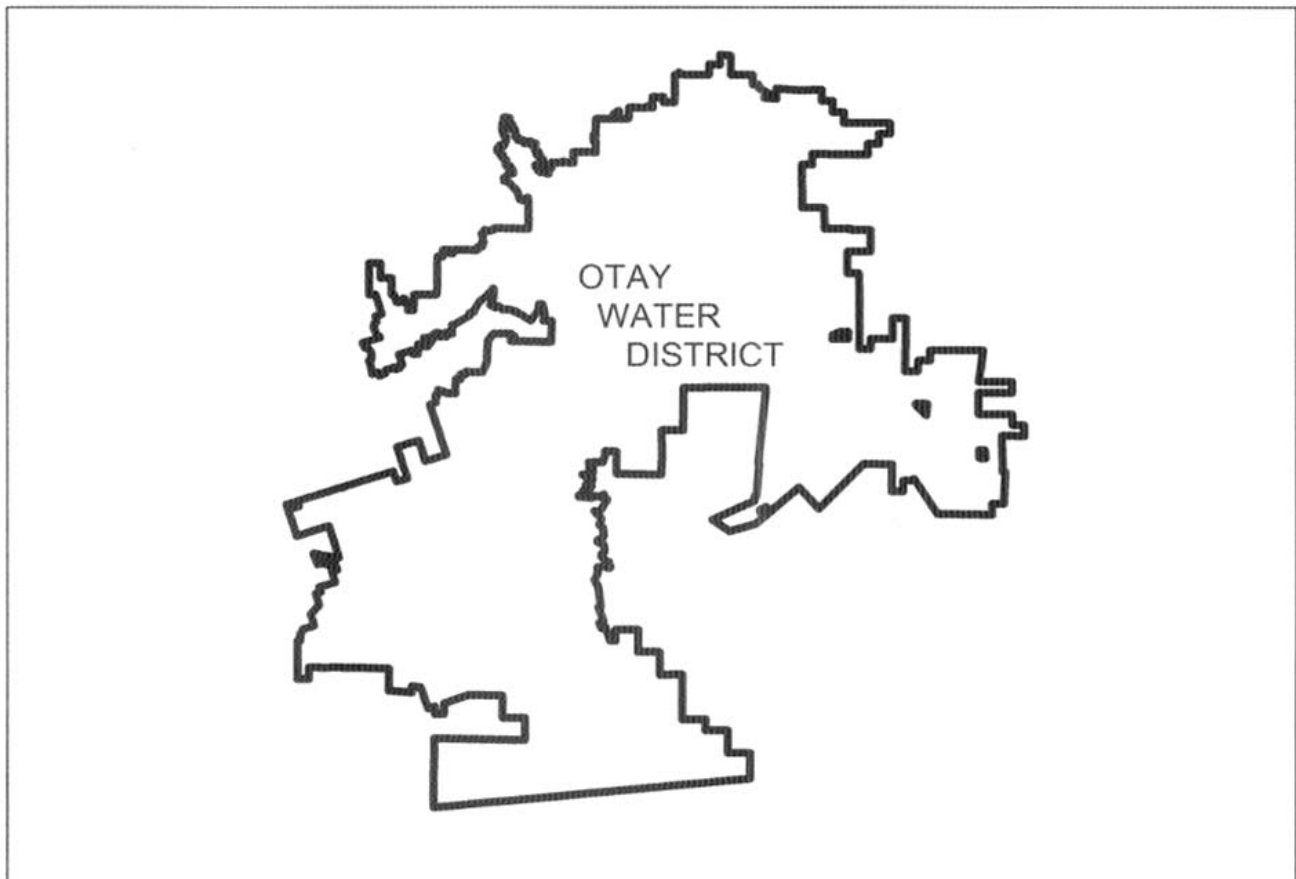
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: 4/25/2013

PROJECT TITLE: Work Order Management System Replacement				CIP Number: P2540																											
				DIRECTOR DIVISION: 0																											
PROJECT MANAGER: Geoff Stevens				I.D. LOCATION: District Wide																											
ORIGINAL APPROVED DATE:				PRIORITY: 1																											
RELATED CIP PROJECTS:				BUDGET AMOUNT: \$700,000																											
DESCRIPTION OF PROJECT: Replace existing work order system.																															
JUSTIFICATION OF PROJECT: The work order system will organize and track all activities associated with District assets. As part of the implementation of enterprise asset management, the work order system will adopt a GIS centric architecture and integrate efficiently with other core systems. In addition, it needs to be able to assist in all phases of asset creation, maintenance, replacement, and decommission. The current system is at the end of its useful life and does not have the ability to be modified to meet these needs.																															
COMMENTS: 																															
FUND DETAILS: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">FUNDING SOURCE:</th> <th>Expansion</th> <th>Betterment</th> <th>Replacement</th> <th>New Water Supply</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Expansion</td> <td style="text-align: center;">40 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">40 %</td> </tr> <tr> <td>Replacement</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">60 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">60 %</td> </tr> <tr> <td>TOTAL:</td> <td style="text-align: center;">40 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">60 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> </tbody> </table>								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 %
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): <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>PRIOR YEARS:</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> </tr> <tr> <th>TOTAL</th> <th>2014</th> <th>2015</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$300</td> <td style="text-align: right;">\$300</td> <td style="text-align: right;">\$100</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$700</td> </tr> </tbody> </table>								PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY	TOTAL	2014	2015	2016	2017	2018	2019	Total	\$0	\$300	\$300	\$100	\$0	\$0	\$0	\$700
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY																								
TOTAL	2014	2015	2016	2017	2018	2019	Total																								
\$0	\$300	\$300	\$100	\$0	\$0	\$0	\$700																								

CIP Number: P2540

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2013	6/30/2016	\$700

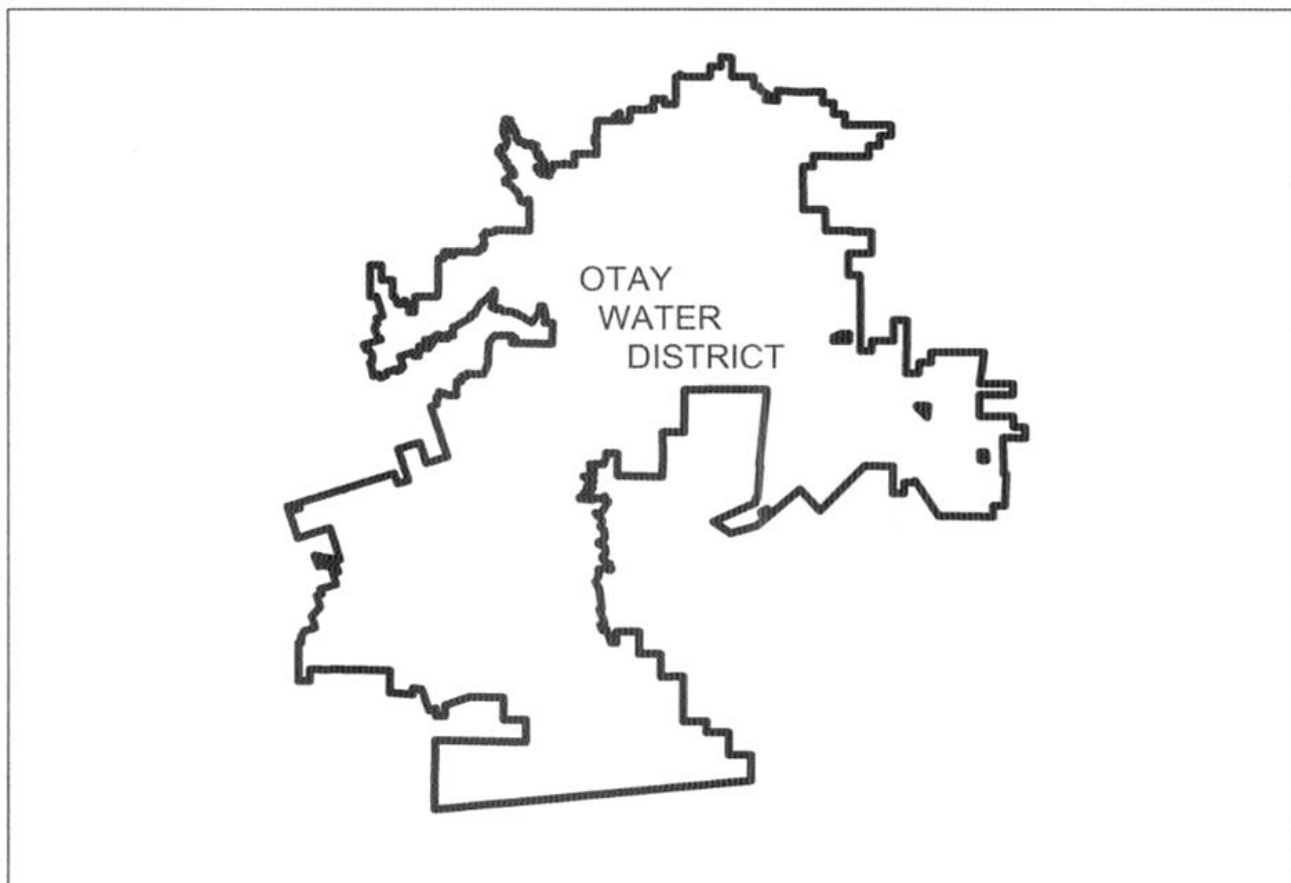
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: 4/25/2013

PROJECT TITLE: Sewer Vehicle Capital Purchases				CIP Number: S2042																											
				DIRECTOR DIVISION: 5																											
PROJECT MANAGER: Doug Rahders				I.D. LOCATION: 18																											
ORIGINAL APPROVED DATE: 5/15/2012				PRIORITY: 1																											
RELATED CIP PROJECTS:				BUDGET AMOUNT: \$367,000																											
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. It is planned to purchase two vehicles in Fiscal Year 2014.																															
COMMENTS:																															
FUND DETAILS: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">FUNDING SOURCE:</th> <th>Expansion</th> <th>Betterment</th> <th>Replacement</th> <th>New Water Supply</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Replacement</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> <tr> <td>TOTAL:</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> </tbody> </table>								FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total	Replacement	0 %	0 %	100 %	0 %	100 %	TOTAL:	0 %	0 %	100 %	0 %	100 %						
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): <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">PRIOR YEARS:</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> </tr> <tr> <th style="text-align: left;">TOTAL</th> <th>2014</th> <th>2015</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$367</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$367</td> </tr> </tbody> </table>								PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY	TOTAL	2014	2015	2016	2017	2018	2019	Total	\$0	\$367	\$0	\$0	\$0	\$0	\$0	\$367
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY																								
TOTAL	2014	2015	2016	2017	2018	2019	Total																								
\$0	\$367	\$0	\$0	\$0	\$0	\$0	\$367																								

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	\$367
DESIGN:			\$0
CONSTRUCTION:			\$0

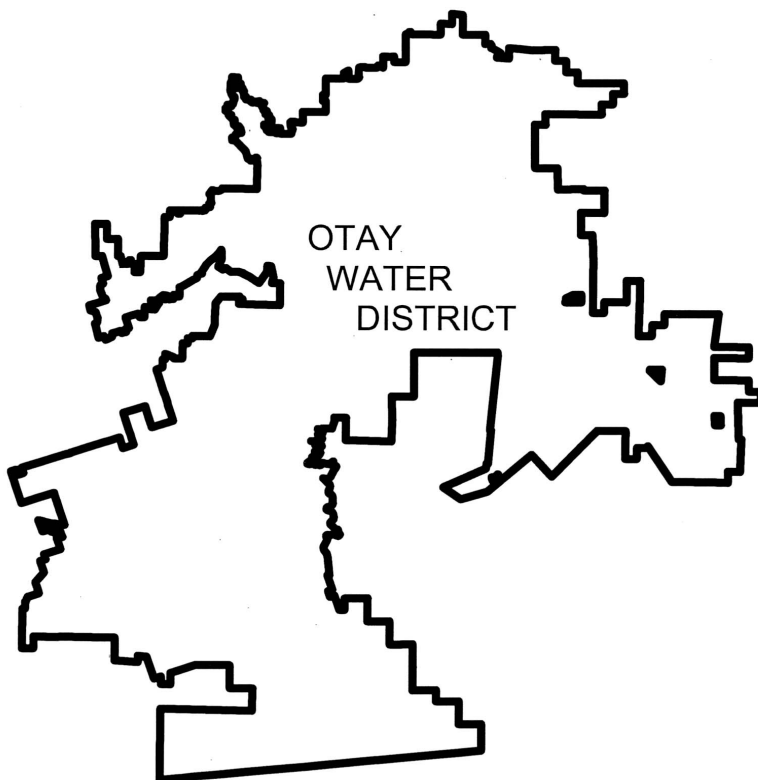
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: 4/29/2013

PROJECT TITLE: RecPL - 24-Inch, 680 Zone, Olympic Parkway - Village 2/Heritage		CIP Number: R2082	
		DIRECTOR DIVISION:	2
PROJECT MANAGER:	Dan Martin	I.D. LOCATION:	22
ORIGINAL APPROVED DATE:	6/2/2004	PRIORITY:	2
RELATED CIP PROJECTS:	R2083	BUDGET AMOUNT:	\$1,747,000

DESCRIPTION OF PROJECT:

 Construction of approximately 3,500 feet of 24-inch pipeline within the 680 Pressure Zone in Olympic Parkway through Village 2 to Heritage Road. Portions of this project will be constructed by developers and these are subject to reimbursement at actual cost per Board policy.

JUSTIFICATION OF PROJECT:

 This project will provide transmission capacity for the recycled water supply pumped from the 680-1 Pump Station to the 680 and higher pressure zones. Significant energy savings will occur due to lower total dynamic head requirements for the 680-1 Pump Station. Funding opportunity is the United States Bureau of Reclamation Water Reclamation and Reuse Program, Title XVI of P.L. 102-575.

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	2014	2015	2016	2017	2018	2019	Total
\$1	\$1	\$1	\$1	\$1	\$1,000	\$742	\$1,747

CIP Number: R2082

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2004	6/1/2012	\$0
DESIGN:	7/1/2012	6/1/2015	\$75
CONSTRUCTION:	7/1/2017	6/1/2019	\$1,672

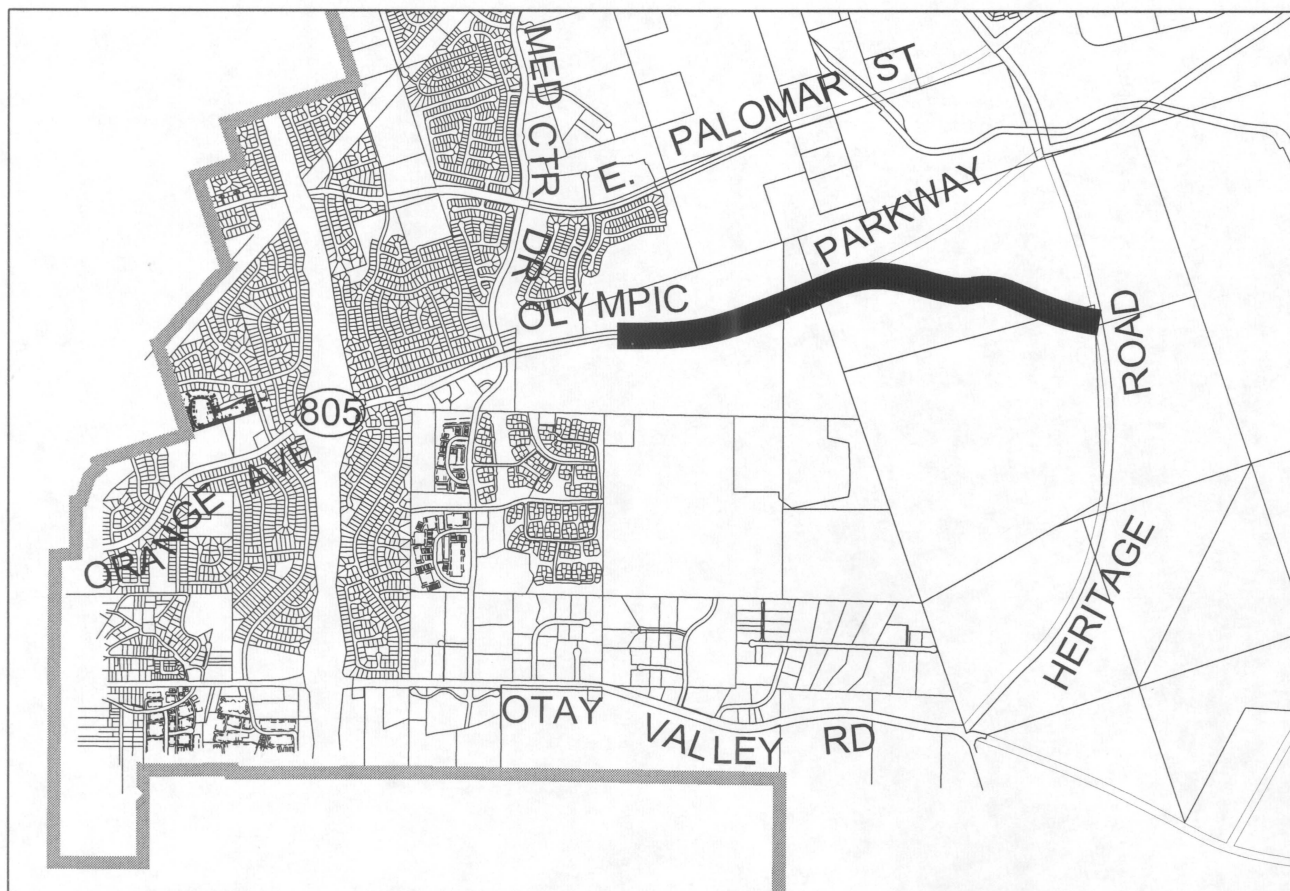
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$1,200	\$1,200
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: Bob Kennedy

Date: 4/25/2013

PROJECT TITLE: RecPL - 20-Inch, 680 Zone, Heritage Road - Village 2/Olympic		CIP Number: R2083	
		DIRECTOR DIVISION:	1
PROJECT MANAGER:	Dan Martin	I.D. LOCATION:	22
ORIGINAL APPROVED DATE:	6/2/2004	PRIORITY:	2
RELATED CIP PROJECTS:	R2082, R2084	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. Funding opportunity is the United States Bureau of Reclamation Water Reclamation and Reuse Program, Title XVI of P.L. 102-575.

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	2014	2015	2016	2017	2018	2019	Total
\$0	\$1	\$1	\$1	\$1	\$1	\$395	\$400

CIP Number: R2083

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2004	6/1/2018	\$1
DESIGN:	7/1/2017	3/1/2018	\$4
CONSTRUCTION:	7/1/2018	6/1/2019	\$395

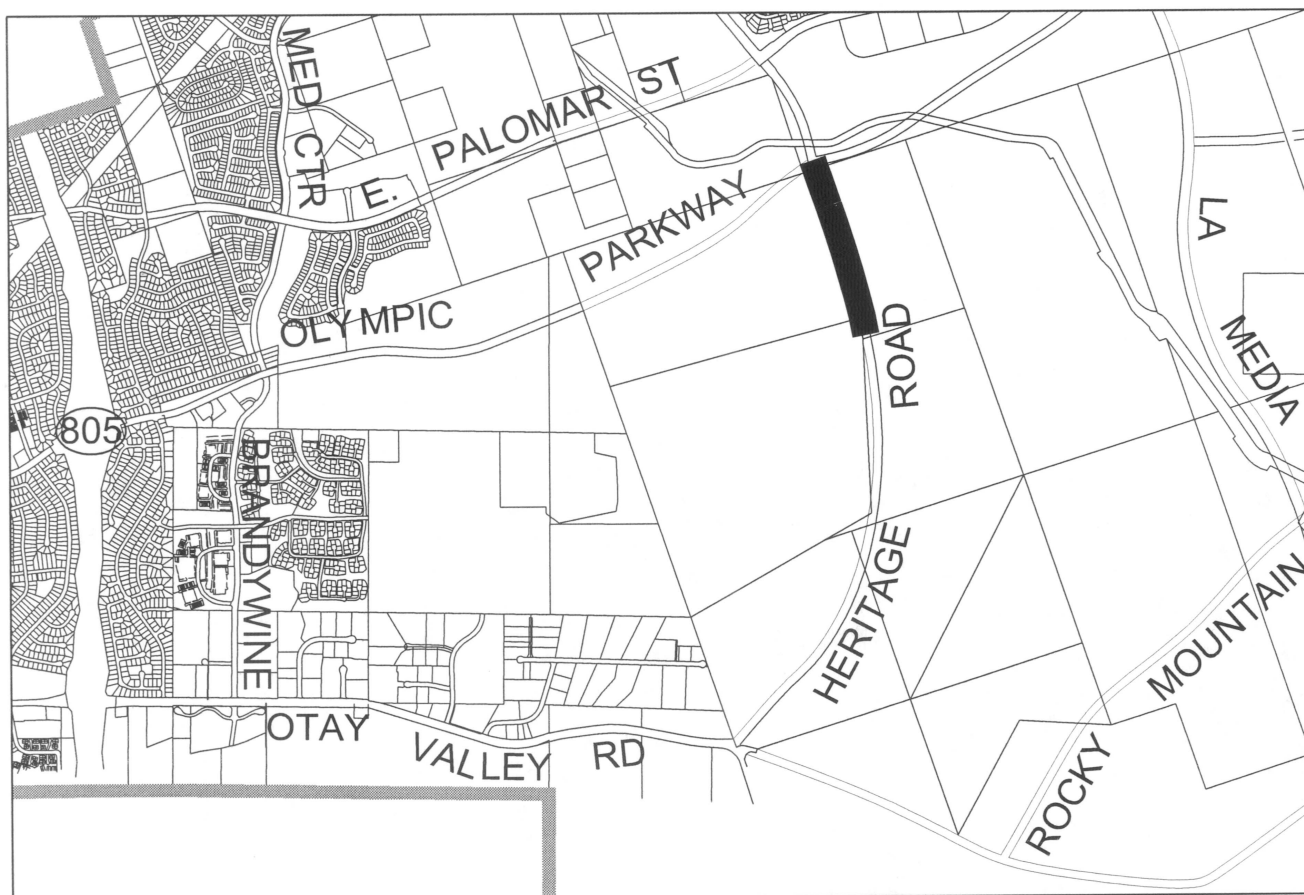
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$700	\$700
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: Bob Kennedy

Date: 4/25/2013

PROJECT TITLE: RecPL - 20-Inch, 680 Zone, Village 2 - Heritage/La Media				CIP Number: R2084			
				DIRECTOR DIVISION:		1	
PROJECT MANAGER:		Dan Martin		I.D. LOCATION:		22	
ORIGINAL APPROVED DATE:		6/2/2004		PRIORITY:		3	
RELATED CIP PROJECTS:		R2083, R2085		BUDGET AMOUNT:		\$971,000	

DESCRIPTION OF PROJECT:

 Construction of approximately 5,700 feet of 20-inch pipeline within the 680 Pressure Zone in Village 2 from Heritage Road to La Media Road in two phases. This project will be constructed by developers and is subject to reimbursement at actual cost per Board policy.

JUSTIFICATION OF PROJECT:

 This project will provide transmission capacity for the recycled water supply pumped from the 680-1 Pump Station to the 680 and higher pressure zones. Significant energy savings will occur due to lower total dynamic head requirements for the 680-1 Pump Station. Funding opportunity is the United States Bureau of Reclamation Water Reclamation and Reuse Program, Title XVI of P.L. 102-575.

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	2014	2015	2016	2017	2018	2019	Total
\$0	\$1	\$1	\$1	\$1	\$350	\$617	\$971

CIP Number: R2084

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2004	6/1/2014	\$1
DESIGN:	7/1/2015	6/1/2017	\$3
CONSTRUCTION:	7/1/2017	6/1/2019	\$967

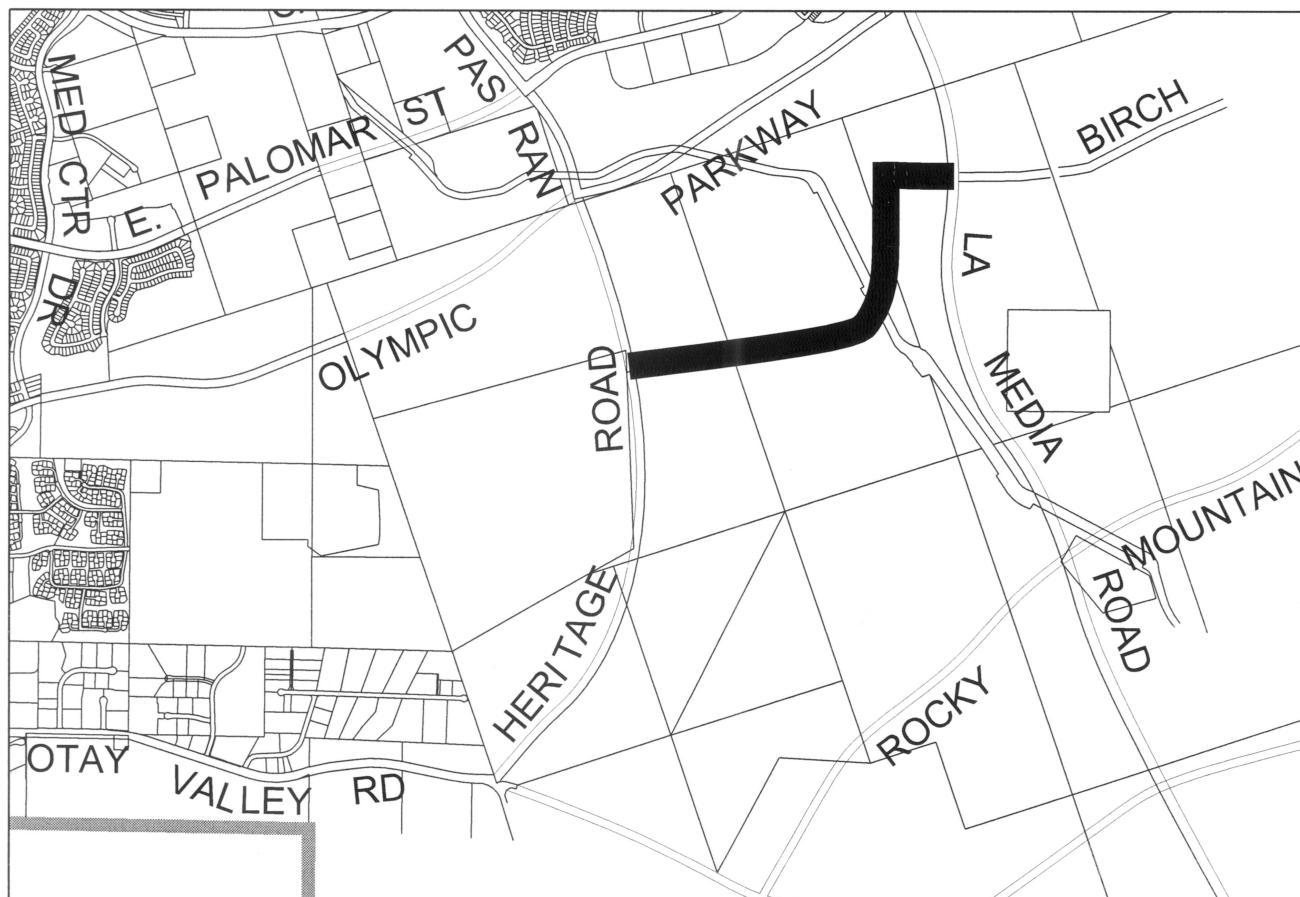
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$1,900	\$1,900
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: Bob Kennedy

Date: 4/25/2013

PROJECT TITLE: RecPL - 20-Inch, 680 Zone, La Media - State/Olympic				CIP Number: R2085			
				DIRECTOR DIVISION:		1	
PROJECT MANAGER:		Dan Martin		I.D. LOCATION:		22	
ORIGINAL APPROVED DATE:		6/2/2004		PRIORITY:		3	
RELATED CIP PROJECTS:		R2084		BUDGET AMOUNT:		\$600,000	

DESCRIPTION OF PROJECT:

 Construction of approximately 3,800 feet of 20-inch pipeline within the 680 Pressure Zone in La Media Road from the high school site to Olympic Parkway. This project will be constructed by developers and is subject to reimbursement at actual cost per Board policy.

JUSTIFICATION OF PROJECT:

 This project will provide transmission capacity for the recycled water supply pumped from the 680-1 Pump Station to the 680 and higher pressure zones. Significant energy savings will occur due to lower total dynamic head requirements for the 680-1 Pump Station. Funding opportunity is the United States Bureau of Reclamation Water Reclamation and Reuse Program, Title XVI of P.L. 102-575.

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	2014	2015	2016	2017	2018	2019	Total
\$0	\$1	\$1	\$1	\$1	\$1	\$595	\$600

CIP Number: R2085

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2004	6/1/2013	\$0
DESIGN:	7/1/2013	6/1/2014	\$1
CONSTRUCTION:	7/1/2014	6/1/2019	\$599

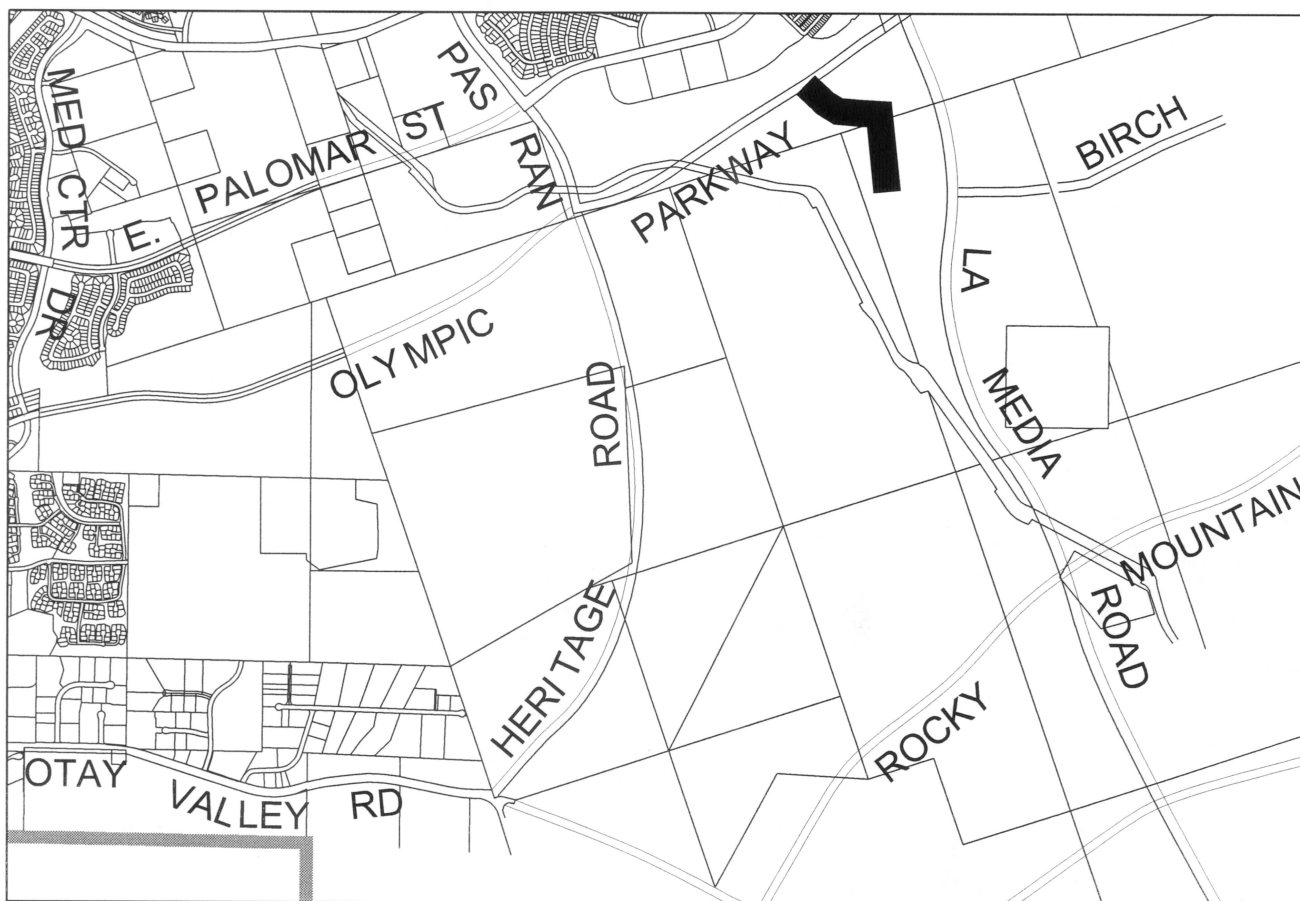
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	Total
MAINT:	\$0	\$0	\$1,300	\$1,300	\$0	\$0	\$2,600
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: Bob Kennedy

Date: 4/25/2013

PROJECT TITLE: Potable Irrigation Meters to Recycled Water Conversions				CIP Number: R2094			
				DIRECTOR DIVISION:		1	
PROJECT MANAGER:		Dan Martin		I.D. LOCATION:		22	
ORIGINAL APPROVED DATE:		5/21/2009		PRIORITY:		1	
RELATED CIP PROJECTS:				BUDGET AMOUNT:		\$1,700,000	

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

COMMENTS:

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	FY	FY	FY	FY	FY	FY
TOTAL	2014	2015	2016	2017	2018	2019	Total
\$1,550	\$150	\$0	\$0	\$0	\$0	\$0	\$1,700

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	6/30/2014	\$1,170

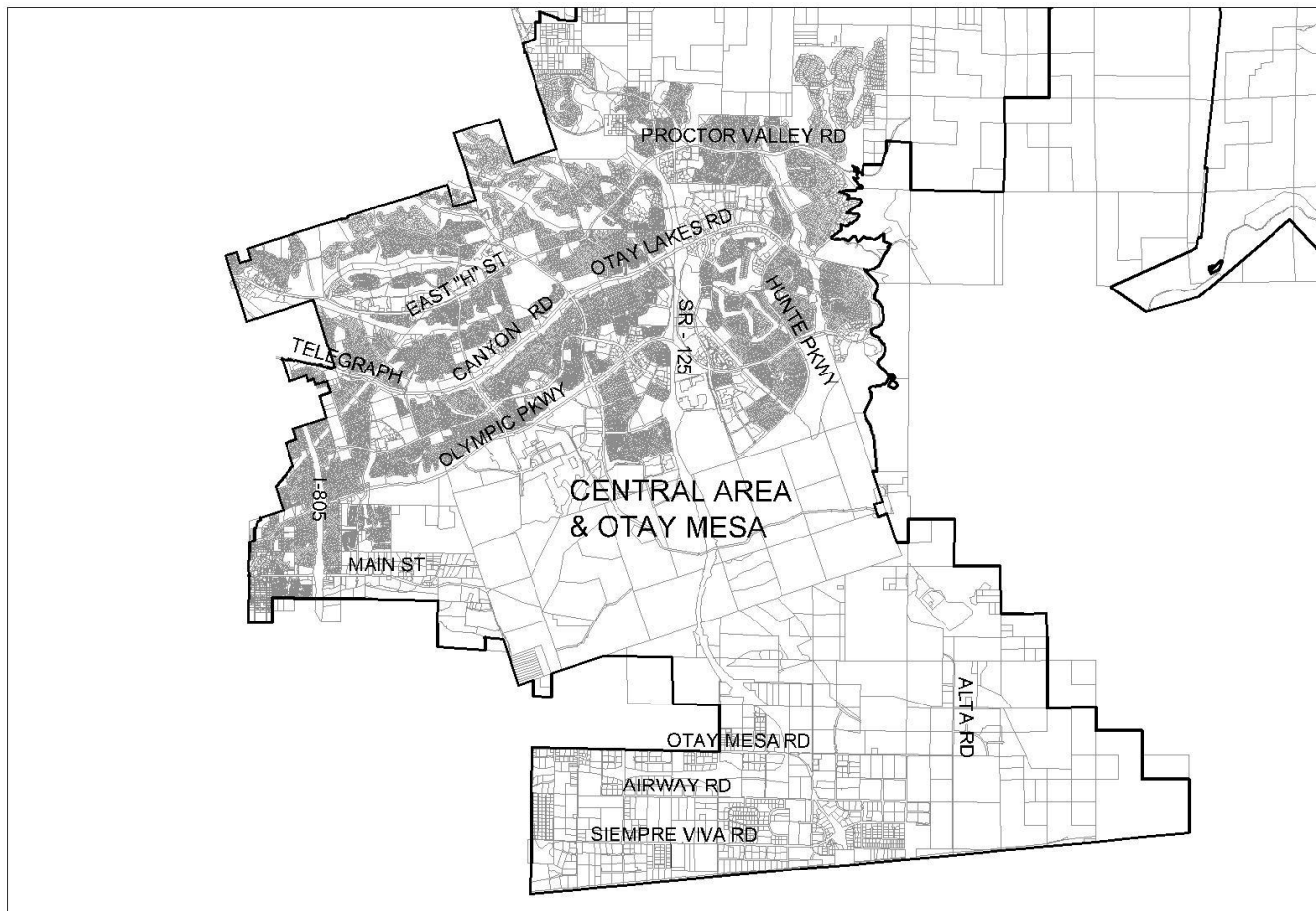
PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2014	2015	2016	2017	2018	2019	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: 4/25/2013

Water Meter Capacity Fees

NAME	IMPROVEMENT DISTRICT (ID)	CAPACITY FEE (1)	TOTAL CHARGE (1)
Capacity Fee Section 28.01	1,2,3,5,7,10,19,20,22,25,27	\$7,903.58	\$7,903.58
Triad Capacity Fee	ID 22/27-BASE	\$5,914.77	\$5,914.77
New Water Supply Fee			\$910.61

(1) This is based on a 3/4 inch water meter effective 7/1/2013.

Note: For a full listing of fees per meter size visit the District's website at:

www.otaywater.gov, Engineering, Public Services, Fees & Deposits, Effective 7/1/13.

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, 2013 are \$1,556.69 and \$5,743.42 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 the purchase of the item, the whole asset is rendered useless and the dollar value to replace the item is \$20,000 or more as described in the District's Capitalization Policy).

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

Glossary

the grantor for operating purposes or may be used for either capital or operating purposes at the discretion of the grantee.

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

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

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

List of Acronyms

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

Index

At-A-Glance	2
Awards	4-6
Capital Facility Projects	42-84
Capital Improvement Program Narrative	17-18
Capital Purchases Budget	36
Capital Purchase Projects	144-156
CIP Budget Calendar	12
CIP Budget Guide	1
CIP Budget Process	13-14
CIP Funding Source and Category	27
CIP Justification and Impact on Operating Budget	30
CIP Project Index	40-41
CIP Project Schedule	31-35
CIP Project Sheet Description	37-39
CIP Projects	28-29
CIP Projects in Construction	21-25
CIP Reserve Funds	26
Current Economic Conditions	7
Demographics	9
Developer Reimbursement Projects	158-166
General Information	3
Glossary	169-171
Index	173
Letter of Transmittal	ii-vii
List of Acronyms	172
Major CIP Projects	20
Organization Chart	11
Replacement/Renewal Projects	86-142
Resolution No. 4210	15-16
Table of Contents	i
The Future	8
Water Meter Capacity Fees	168