

OTAY WATER DISTRICT

Spring Valley, California



Capital Improvement Program Budget
Fiscal Year 2016-2021



Otay Water District Capital Improvement Program Budget Fiscal Year 2016-2021

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...Dedicated to Community Service

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TELEPHONE: 670-2222, AREA CODE 619

September 24, 2015

Honorable Board of Directors
Otay Water District

I am pleased to present the Otay Water District's Adopted Operating and Capital Budget for Fiscal Year 2016. The budget supports the District's updated FY 2015-2018 Strategic Plan as well as the financing of all of the District's services, programs, and capital needs during the 2016 fiscal year. With a balanced budget and the Strategic Plan in place, the District is well-positioned for continued success in the ensuing years.

The coming years will continue to pose considerable challenges for those in California's water community. The state is facing its fourth straight year of a record drought and despite extensive local efforts to develop more reliable water, Governor Jerry Brown and the State Water Resources Control Board (SWRCB) have ordered mandatory cuts in potable water use across California and set a statewide conservation goal of 25 percent.

To reduce potable water use by 25 percent statewide, the regulations adopted by the SWRCB place each urban water supplier into one of eight tiers which are assigned a conservation standard ranging from 4 percent to 36 percent. Under the SWRCB order, customers of the Otay Water District must reduce water use by 20 percent over the next nine months. This order came despite Otay customers having reduced water use 27 percent since 2007. Each month, the SWRCB will compare every urban water suppliers' water use with their use for the same month in 2013 to determine if they are on track for meeting their conservation standard. Agencies that consistently fail to meet the conservation standard could be fined as much as \$10,000 per day.

The order was also imposed without regard to San Diego County having 97 percent of the water supply it needs to meet customer demand this year, despite four years of record drought. San Diego County, including Otay Water District customers by virtue of being a member of the San Diego County Water Authority (CWA), have expended more than \$3.1 billion over the last decade to create a more reliable water supply network that has shielded

customers from the most severe of the drought's impacts. Water supplies in the San Diego region will improve even more as the western hemisphere's largest desalination plant comes online in a matter of months.

As the conservation mandates went into effect, sales decreased 27 percent in May and 26 percent in June, 2015. The District expects sales to recover somewhat in FY 2016 with the warmer summer months. As one would assume, such dramatic reductions in sales will impact revenues. Staff anticipated moderate reductions in sales and will continue to closely monitor these trends as they relate to overall District finances.

The District's success as an organization through the economic recession, banking crisis, slowdown in the housing industry, and now the severe drought is significantly enhanced by the policies and practices put in place by the Board of Directors to ensure the strength and stability of the District. The management team is fully confident that with these policies and practices, supported by the FY 2015-2018 Strategic Plan, along with a dedicated and talented staff, that we will achieve continued success as an organization and thus, assure the well-being of the people we serve.

FY 2015-2018 STRATEGIC PLAN

The FY 2015-2018 Strategic Plan consisted of a two-phased approach. Phase 1 has been completed with the primary focus on developing key enterprise-wide projects – SCADA, Work Order/Asset Management, and Emergency Preparedness/NIMS. We are now entering Phase 2 of the FY 2015-2018 Strategic Plan where the focus is to build upon the system foundation, business process improvement, and facilities. Where rapid growth had been a significant focus in the early years of the District and in its earlier strategic plans, today we are primarily focused on managing long-term maintenance and replacement of infrastructure.

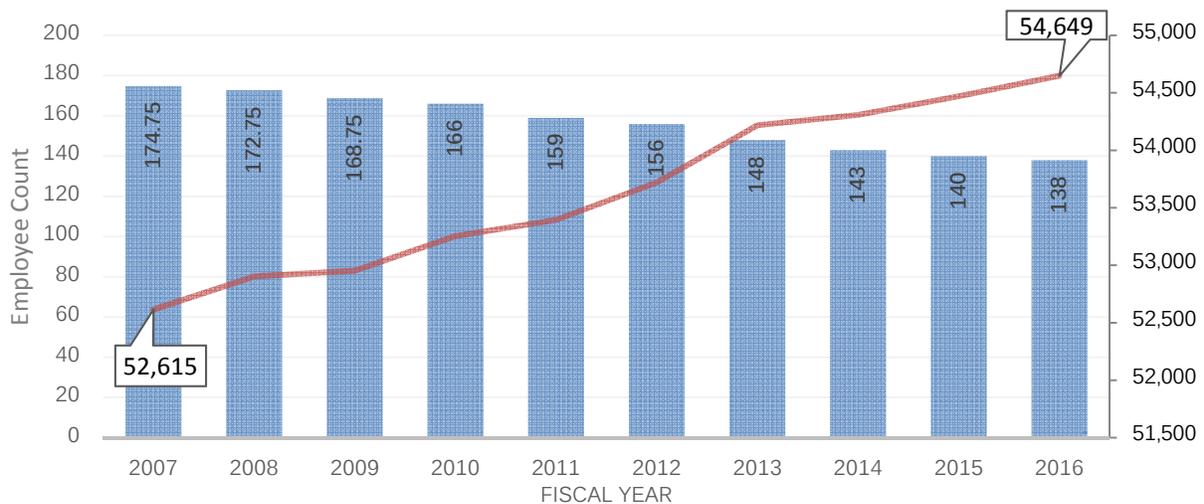
The change is based on the recognition that as an organization matures, fewer resources are needed to support growth; but greater effort is required to maintain and upgrade infrastructure and assets. This is important because in this phase of its lifecycle, an organization derives income more from customer rates and less from developer fees. Therefore, the increased maintenance and replacement costs place increased 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; the management team must place greater emphasis on internal efficiency and the

development of technology assisted best practices. In effect, the organization must use investments in technology to do more with the same or fewer resources.

From a water supply perspective, this means determining the optimum mix of water supply, treatment, and delivery solutions for customers. From a daily operating perspective, efficiency improvements have become the primary source of competitive advantage and cost optimization for utilities.

A goal included in the District's past strategic plans is to capitalize on technology investments and utilizing those technologies to continually improve efficiency and productivity. The success of this approach is evidenced by the gains in productivity and by the reduction in staffing the District has experienced. The following charts show that since 2007, the District has reduced staffing by 36.75 full-time equivalent positions, or 21% percent, while the number of customer accounts increased by 2,034.

EMPLOYEE COUNT AND NUMBER OF ACCOUNTS



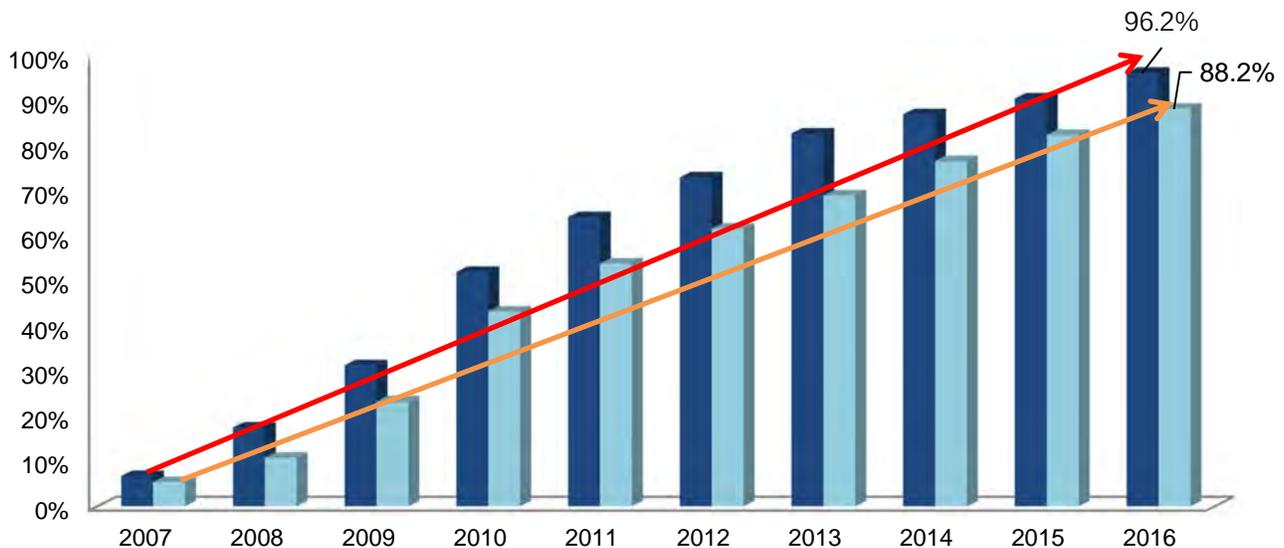
With increased efficiency and higher employee productivity, the District has been able to continue absorbing some of the pass-through costs from its water suppliers, the City of San Diego, San Diego County Water Authority (CWA), and Metropolitan Water District (MWD). This helps to address customer concerns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

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 10th lowest water rate out of the 23 member agencies in San Diego County and the 7th

lowest sewer rate out of the 28 sewer service providers in San Diego County. The results of the water and sewer surveys are shown on pages 30 and 31, respectively.

The chart below shows that since 2007, the wholesale water supply costs have increased 96.2 percent while the District's retail water rates have increased a lesser 88.2 percent.

WHOLESALE WATER SUPPLY COSTS VS. DISTRICT RETAIL RATE INCREASES



The District currently delivers water service to nearly 49,274 potable and 706 recycled water customer accounts. All of the potable water sold to customers is purchased from CWA. Forty-seven percent of this water is in turn purchased from the region's primary water importer, MWD. This number has decreased significantly compared to previous years and beginning in FY 2016, 7% will come from seawater desalination.

The District has been proactive in reducing its dependence on MWD water treatment facilities. For example, in 2009 the District entered into an agreement with 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 collects and recycles wastewater from approximately 4,669 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 continues purchasing up to 6 million gallons per day of recycled water from the City of San Diego's South Bay Water Reclamation Plant. The use of recycled water for landscape irrigation and industrial processes reduces dependence on imported potable supplies, provides a local supply that is drought proof, and diversifies District resources.

FISCAL YEAR 2016 OPERATING BUDGET SUMMARY

Otay Water District's operating expenditures consist of three major sectors: potable water, recycled water, and sewer, budgeted at \$89,236,000 for Fiscal Year 2016. Revenues from potable and recycled water are projected to be \$78,897,700, approximately \$1,888,000 less than the Fiscal Year 2015 budget. Water sales volumes are expected to decrease by 8% compared to FY 2015 budgeted sales due to drought mandates. Sewer revenues are projected to be \$3,206,300, approximately \$198,600 more than fiscal year 2015. This increase in sewer revenue is due to the final phase-in of the residential sewer rate increases from 2013. The remaining budgeted revenues of \$7.1 million come from various special fees, assessments, and miscellaneous income.

Significant aspects of the Operating Budget are:

- A balanced budget supporting 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 5.8 percent from MWD and CWA due to the high cost of supply programs, higher energy costs, and increasing operating costs.
- Implemented rate increases in potable, recycled water, and sewer. This included pass-through rate increases from the City of San Diego, CWA, and the County of San Diego.
- In efforts to minimize rate increases, the District has again reduced staffing levels from 140 full-time equivalent positions last year to 138 this year.
- Of San Diego County's 23 water agencies, the Otay Water District's water rates are below the countywide average.

FISCAL YEAR 2016 CAPITAL IMPROVEMENT PROGRAM

The Fiscal Year 2015-16 Capital Improvement Program (CIP) Budget consists of 80 projects and a budget of \$11.1 million. The budget emphasizes long-term planning for ongoing programs to meet population growth while functioning within fiscal constraints. This year's CIP budget increased by \$500,000 compared to last year's projection primarily due to an increase in capital purchases for vehicles and the APCD Engine Replacements and Retrofits.

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, for its annual budget for the fiscal year beginning July 1, 2014. 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 a *Special Capital Recognition* for the Fiscal Year 2014-2015 Budget.
- The California Society of Municipal Finance Officers (CSMFO) presented Otay Water District the Certificate of Award for *Excellence in Operating Budgeting* for Fiscal Year 2014-2015.
- The California Society of Municipal Finance Officers (CSMFO) presented Otay Water District the Certificate of Award for *Excellence in Capital Budgeting* for Fiscal Year 2014-2015.
- The Government Finance Officers Association Officers (GFOA) presented Otay Water District the *Certificate of Excellence in Financial Reporting* for its Comprehensive Annual Financial Report for the Fiscal Year ended June 30, 2014.

CONCLUSION

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

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 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 the financial management and operations of the District.



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 11.4% 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 16](#).

General Information

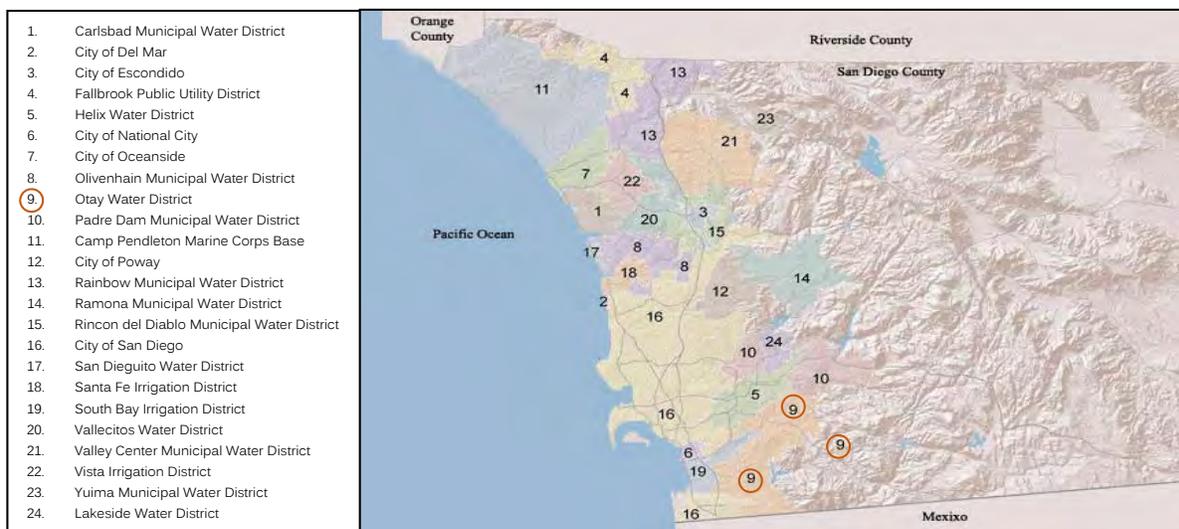
For Fiscal Year 2016, the District will have a staff of 138 full-time equivalent employees under the leadership of the General Manager. The District provides water service to approximately 52% of its expected ultimate deliveries with a population of more than 217,000 people. This percentage increases as the District's service area continues to grow to ultimate build-out. The District is projected to deliver approximately 27,000 acre-feet of potable water to 49,500 potable customer accounts. By 2035, deliveries are expected to reach 48,400 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 City of Chula Vista, is approximately .96% per year over the next decade. Using historical data and considering current economic conditions, staff has moderated this projection to a growth rate of 0.33% for Fiscal Year 2016.

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 2,906 acre-feet per year of recycled water for fiscal year 2016, 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 4,670 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 2014-2015. 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.

This year the District also received a Special Capital Recognition from GFOA for its Fiscal Year 2014-2015 Budget.



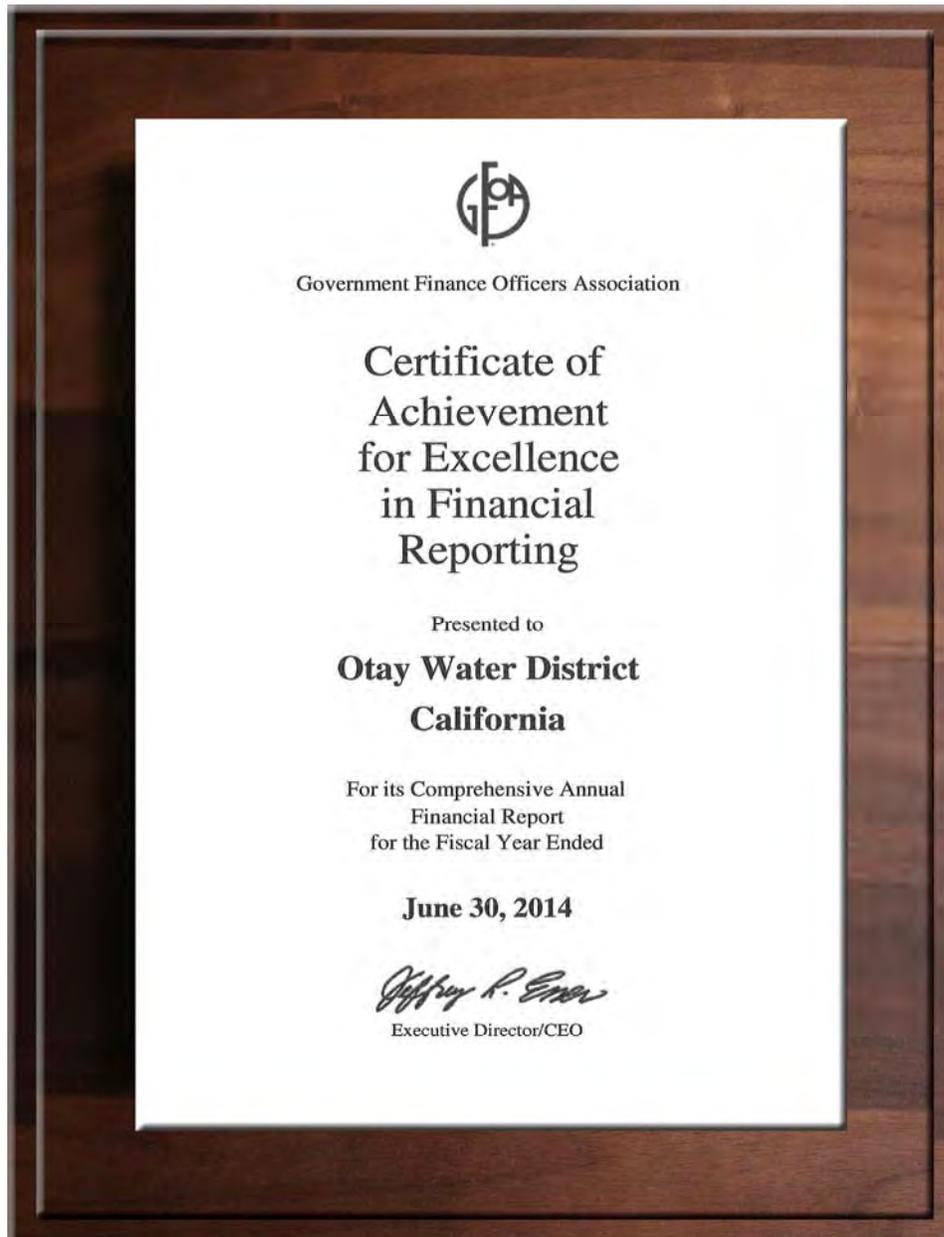
Financial Awards



The California Society of Municipal Finance Officers (CSMFO) presented Otay Water District the Certificate of Award for *Excellence in Operating Budgeting for Fiscal Year 2014-2015*.

The California Society of Municipal Finance Officers (CSMFO) presented Otay Water District the Certificate of Award for *Excellence in Capital Budgeting for Fiscal Year 2014-2015*.





The Government Finance Officers Association Officers (GFOA) presented Otay Water District the *Certificate of Excellence in Financial Reporting* for its *Comprehensive Annual Financial Report* for the Fiscal Year ended June 30, 2014.



The Construction Management Association of America (CMAA) presented the Otay Water District with the *2015 Distinguished Owner Honoree Award*.

Strategic Performance Management Plan

INTRODUCTION

The Strategic Plan is the core document which guides the District's efforts to meet and positively adapt to change. The overall plan is extensively reviewed and revised every three to four years. This current edition (covering fiscal years 2015-2018) is the fifth in a series of updated plans.

In order to develop the FY 2015-2018 Strategic Plan, the Senior Management Team carefully reviewed the previous strategic plans and, in an interactive environment, examined future opportunities and risks. After careful analysis, an overall direction is set for the plan. In 2015 a solid systems foundation was put in place completing a replacement work order and SCADA system, and improving the core GIS system for managing the District's infrastructure. The FY 2016 to 2018 objectives, which follow, build upon this foundation and focus on business process improvement and facilities.

The General Manager presented the plan to the Board on May 19, 2015 as part of the overall District Budget. With this plan, the Board is able to make more informed oversight decisions about the utility's direction, and assess performance.



Strategic Performance Management Plan

MISSION

To provide high quality and reliable water and wastewater services to the customers of the Otay Water District, in a professional, effective, and efficient manner.

VISION

A District that is innovative in providing water services at affordable rates, with a reputation for outstanding customer service.

KEY CHALLENGE

Our key challenge, as District staff, is to quantify and demonstrate our commitment and the ability to optimize our resources, business processes, and technology to achieve the strategic plan goals. We, as a team, commit to regularly assess and document how our decisions and work practices accomplish our goals and objectives.

BALANCED SCORECARD GOALS



Strategic Performance Management Plan

FY 2016 – 2018 OBJECTIVES

- Optimize SCADA Program.
- Optimize Asset Management Program.
- Address Dependency on Imported Water through Proper Planning.
- Improve District Emergency Response Program.
- Enhance Communication with Customers.
- Enhance Cost Benefit Analysis.
- Utilize Power and Fuel Effectively.
- Optimize Inventory Management.
- Evaluate City of San Diego Pure Water Program Planning/Implementation.
- Evaluate and Enhance the District's Water Conservation Programs and Services.
- Manage an Effective Leak Detection and Repair Program.
- Enhance District's Facilities Physical Security.
- Improve and Streamline Meter Related Work Processes.
- Evaluate Sewer System Business.
- Evaluate Efficiencies for Delivering Capital Assets.
- Guarantee Adequate Maintenance of all District's Pressure Vessels.
- In Conjunction with the City of San Diego, Manage the Infrastructure for a more Efficient Transmission of Recycled Water.
- Evaluate the Viability of Implementing an Indirect Potable Reuse Program.
- Strengthen Internal Audit Program.
- Evaluate Opportunities to Combine or Transfer Similar Work Functions.
- Optimize GPS/GIS Technology.

Strategic Performance Management Plan

- Evaluate Eden's Self-service Option with HR Module.
- Streamline Procurement and Contractor On-boarding Process via Web-based eProcurement Technology.
- Evaluate Current and New CIS Systems.
- Streamline Enterprise Confined Space Program.
- Streamline Operations Work Processes.
- Streamline Data Input in Reporting for Field Services.
- Streamline Work Processes in Four Strategic Areas Including Departmental Synergies, Technology, Procurements, and Alignment of Business Practices.
- Evaluate Two-Way Emergency Radio Replacement.
- Revise Business Practices by Modifying the Master Recycled Water Permit.
- Implement a Habitat Conservation Plan that will Streamline O&M within District Easements.
- Negotiate a New Successor MOU for Represented Employees for FY 2017 and Related Compensation and Benefits for Unrepresented Employees.
- Succession Planning.

Current Economic Conditions

The District services the needs of a growing population by purchasing water from the San Diego County Water Authority (CWA). The 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 addition to the treated water deliveries from CWA, the District has several emergency agreements with the City of San Diego, Helix Water District, and Sweetwater Authority that allows agencies to have flexibility to deal with emergency shutdowns. Through innovative agreements like these, 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 217,000 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 12 years, the District has added more than 7,291 new customer connections, with 2,189 occurring in Fiscal Year 2004. In Fiscal Year 2015, the District sold 139 meters which is an average of 12 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.

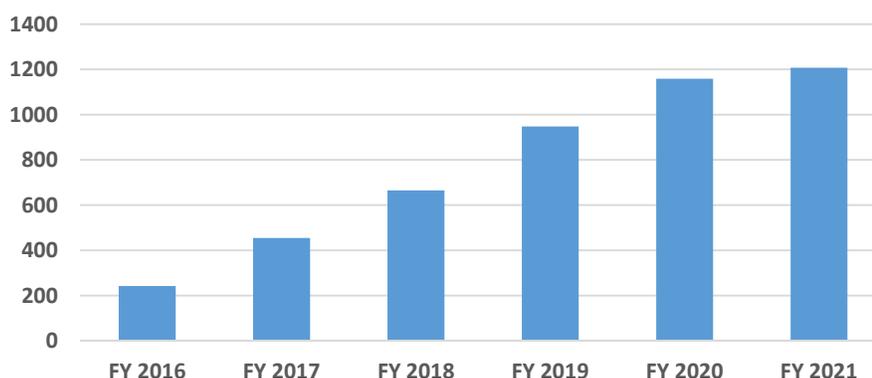
Projected Units for Sale and Rental Otay Water District Service Area FY 2016 through FY 2021							
Project	FY 16	FY 17	FY 18	FY 19	FY 20	FY 21	Total
Total Single-Family Units	149	288	375	618	780	805	3,015
Total Condominium	297	202	482	715	780	688	3,164
Total Rental	150	475	885	692	757	714	3,673
Total Units	596	965	1,742	2,025	2,317	2,207	9,852

% Multi-Family	75%	70%	78%	69%	66%	64%	69%
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Source: The London Group Realty Advisors, March 2015

Using the economist report, the District's engineering staff projects that over the next six years the District will sell another 3,207 meters which translates to 4,676 equivalent dwelling units (EDUs).

PROJECTED METER SALES IN EDUS



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 County 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 54 million gallons of water a day beginning in the fall of 2015 and will generate enough water to serve about 112,000 families and meet 7 to 10 percent of the region's demand. The total price for the desalinated water, including related upgrades to the County Water Authority's pipelines and treatment plant, is projected to start between \$2,014 and \$2,257 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.



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 to the District. This would 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 may start delivering water to District customers by early 2020. 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 such as age, education, and employment. The following demographic data was provided by The London Group Realty Advisors, which summarizes the sub regional areas of Sweetwater, South Bay and Jamul.



DEMOGRAPHICS OF THE OTAY WATER DISTRICT

The population of the Otay Water District has grown from 114,937 in 1980 to 243,916 in 2010. This represents a 149.1% increase over the past 30 years. The average persons per household was 3.32 in 2010. SANDAG reports the City of Chula Vista's ethnic/racial makeup with 58% Hispanic, 20% white, 14% Asian and the remaining population are of other ethnic/racial descent. In a recent economic forecast conducted by The London Group Realty Advisors, the District's median age is 35.7 and 34.0% of adults have a four-year degree or higher. The average household income is \$94,136 and the median household income is \$80,805.

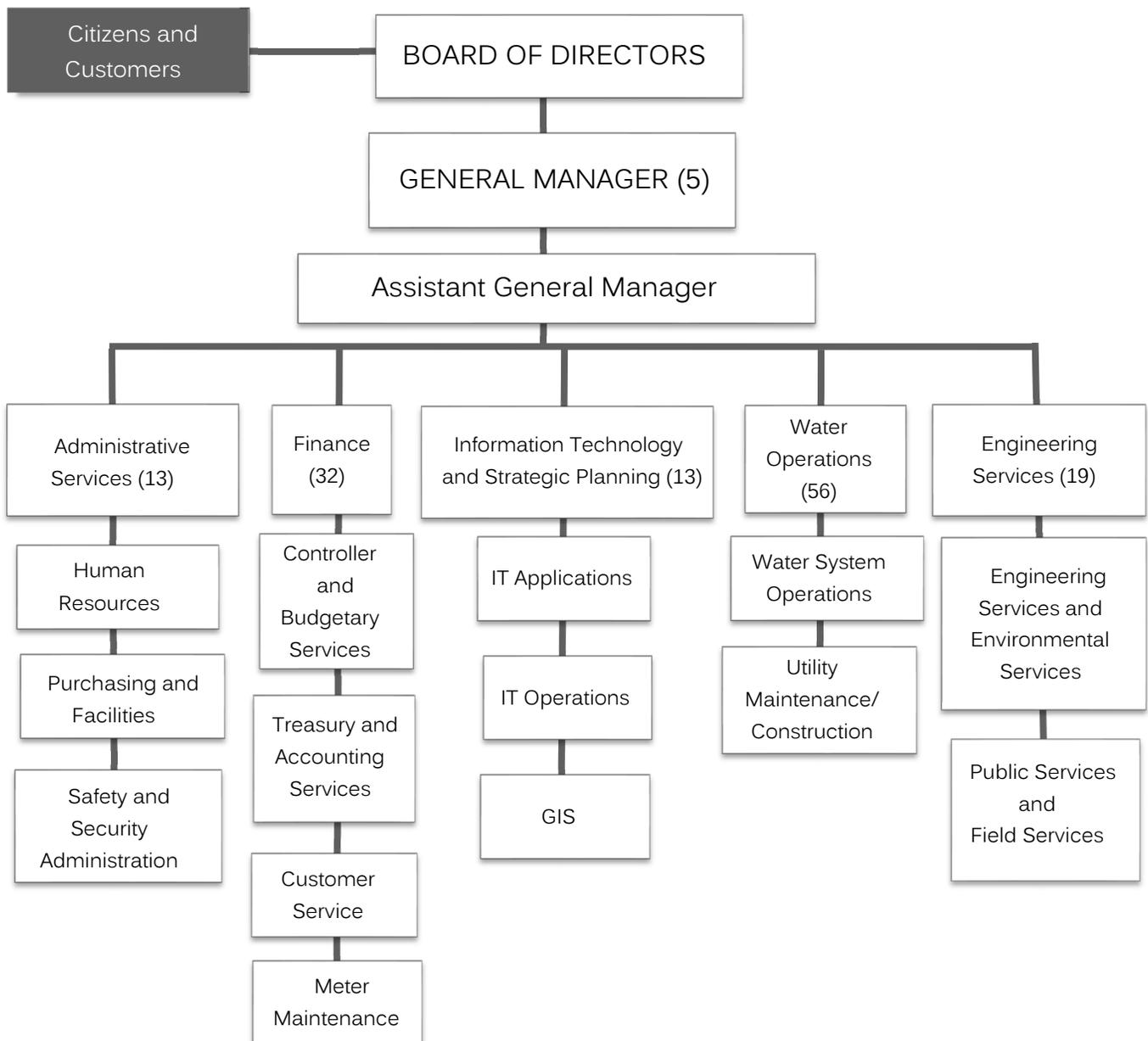
The London Group Realty Advisors have projected that the housing units in the District's service area will consist of low density townhomes and multi-plexes. The average residential sales price in South San Diego County was \$629,632 in 2014.

Otay Water District Demographics	
Population	243,916
Persons/Household	3.32
Ethnic/Racial makeup	
Hispanic	58.0%
White	20.0%
Asian	14.0%
Other	8.0%
Median Age	35.7
Percentage with 4 year degree or higher	34.0%
Average Household Income	\$ 94,136
Median Household Income	\$ 80,805

Source: SANDAG, The London Group Realty Advisors, Claritas Demographics

Organization Chart

DISTRICT POSITION COUNT - (138 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 18 and 19](#).

January-February	March	April	May-June	July-January
<p>1/9/15 Budget workbooks and instructions for the Operating and Capital Budget are distributed to departments</p> <p>1/9/15-2/25/15 Departments begin CIP Budget Process which includes:</p> <ul style="list-style-type: none"> Review existing FY 2015 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 6/30/15 for each CIP. Adjust the annual amount for the remaining CIPs and include justifications for each year's changes. Develop CIP project cost and schedules Submit new CIP projects to Engineering for consideration. 	<p>3/3/15 Engineering Department reviews all CIP budget requests with Assistant General Manager and adjusts, if necessary</p> <p>3/06/15-3/18/15 Engineering reviews and prepares CIP budget and submits to finance for review and to incorporate into rate model to determine proposed rates</p> <p>3/30/15 CIP budget presented to the General Manager for review and comments</p>	<p>4/28/15 General Manager performs preliminary review of budget.</p>	<p>5/7/15 Review assumptions and rates with Chiefs, Assistant General Manager, and General Manager</p> <p>05/19/15 Budget Workshop for FY 2015-2016 Operating and Capital Budgets</p> <p>06/03/15 Board Meeting – approval of the FY 2016-2021 Capital Improvement Program Budget and the FY 2015-2016 Operating and Capital Budget</p>	<p>09/02/15 Board approval of water and sewer rate increase notices</p> <p>10/7/15-10/26/15 Rate increase Message inserted with water and sewer billing</p> <p>01/01/16 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 1.4%
- 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.

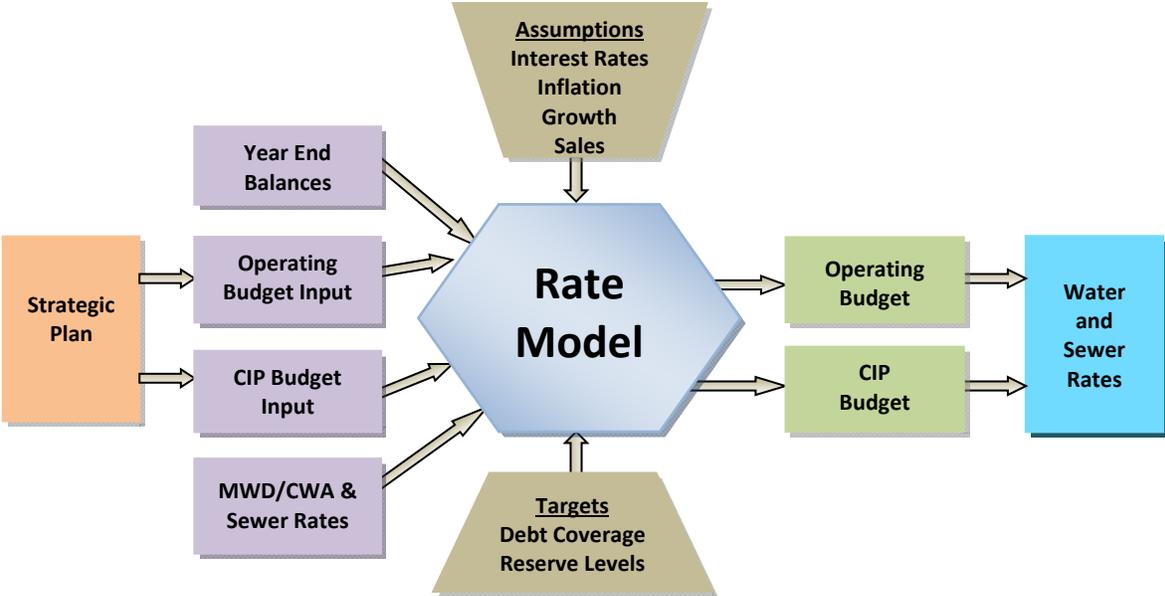
In January, the Engineering Department (Engineering) issues budget instructions for the CIP budget process. The project manager use the CIP Budget module system to review and estimate project expenditures to the end of the fiscal year. Projects may have been added, deleted or modified due to increased 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 Budgets 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 2016 fiscal year.

RESOLUTION NO. 4290

A RESOLUTION OF THE BOARD OF DIRECTORS OF
OTAY WATER DISTRICT ADOPTING THE
FISCAL YEAR 2015-2016
OPERATING AND CAPITAL BUDGET; AND THE JOB
CLASSIFICATION AND SALARY SCHEDULE

WHEREAS, the Otay Water District Board of Directors have been presented with a budget (Exhibit 1) for the operation of the Otay Water District for Fiscal Year 2015-2016; and

WHEREAS, the Fiscal Year 2015-2016 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 (Exhibit 2) for its consideration, in order to comply with California Code of Regulations Section 570.5,

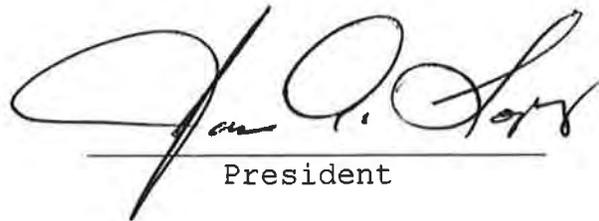
NOW, THEREFORE, BE IT RESOLVED, DETERMINED AND ORDERED by the Board of Directors of the Otay Water District that the Operating and Capital Budget for the operation of the District, incorporated herein by reference, is hereby adopted as the District's budget for Fiscal Year 2015-2016.

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 board meeting held this 3rd day of June 2015, by the following vote:

Ayes: Directors Croucher, Lopez, Robak, Smith 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 217,000 which is expected to ultimately increase to 308,000 by the year 2050. This growth as well as the maintenance of existing assets requires long-term capital planning. The process is dynamic, due to the evolving needs of the community, the water supply issues, and changing regulations. As such, capital planning is part of the District's overall strategic planning. The capital planning process involves identifying current needs, future needs, and prioritizing them based on certain operating assumptions. The primary objective of this planning effort is to support an orderly and efficient program of expansion, new water supply, replacement, and betterment, while maintaining a stable long-range financial plan.

To accommodate growth requires that the District invest \$283 million in capital assets through ultimate build-out. The Fiscal Year 2016 Capital Budget is \$11.1 million and the six-year Capital Improvement Program (CIP) totals \$193.9 million. A separate CIP Budget document contains the descriptions, justifications, expenditures, and funding for all the identified projects to ultimate build-out.

ASSUMPTIONS AND CRITERIA

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

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

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

CIP JUSTIFICATION AND IMPACT ON OPERATING BUDGET

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

Capital Improvement Program

CAPITAL PURCHASES AND FACILITIES

All capital expenditures are in the CIP. This includes capital facilities and capital purchases. Capital purchases are non-recurring operating expenditures for assets that cost more than \$10,000 each and have an estimated useful life of two years or more. The Capital Purchase Projects include Vehicles, Office Equipment, Furniture, and Field Equipment purchases. The details of these purchases can be found on [page 40](#). Capital Facility Projects are items that exceed \$10,000 or \$20,000 for infrastructure related items (as defined under Capital Equipment on [page 228](#) of the Glossary) and have a useful life of at least two years.

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

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

The following are the four categories of CIP projects:

NEW WATER SUPPLY

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

EXPANSION

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

BETTERMENT

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

REPLACEMENT

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

Major CIP Projects

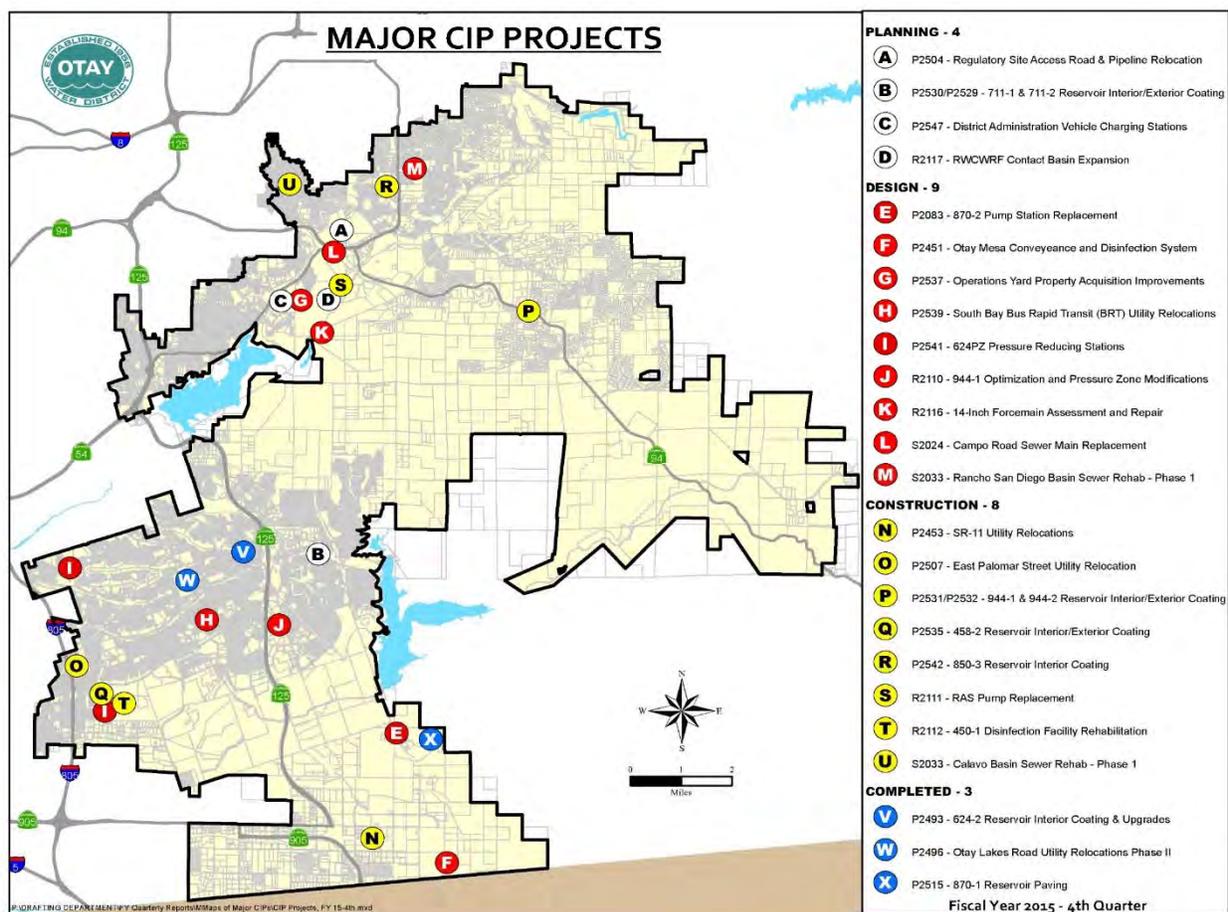
CAPITAL IMPROVEMENT PROJECTS

The Fiscal Year 2016 CIP Budget contains 89 projects. The cost of the work planned for 80 of these projects fall within Fiscal Year 2016 and total \$11.1 million. Of the 80 projects planned for Fiscal Year 2016, one is designated as a reimbursable project with an estimated cost totaling \$1,000. These projects are built by developers and reimbursed by the District.

The following shows how the \$11.1 million of projects are broken down into four categories:

1. Capital facilities \$ 3.1 million
2. Replacement or renewal projects \$ 6.9 million
3. Capital purchase projects \$ 1.1 million
4. Developer reimbursement projects \$ 1.0 thousand

The Six-Year CIP and Fiscal Year 2015 Capital Budget are consistent with the District's Water Resources Master Plan, current capacity fees, and the District's strategic financial objectives.



CIP Projects in Construction

Calavo Basin Sewer
Rehabilitation – Phase I
(S2033)



Payment Restoration



Trench Restoration

- Project part of the District's comprehensive sewer management program.
- Project will replace deteriorated or sagging sections of sewer pipe.
- Overall Project Budget: \$6.00M
- Start: January 2015
- Estimated Completion: July 2015

CIP Projects in Construction



850-3 Reservoir Interior
Coating & Upgrades
(P2542)

Sandblasting Interior Roof



Interior Roof Prior to Sandblasting

- Remove and Replace Deteriorating Reservoir Coatings.
- Structural Modifications to Increase Service Life.
- \$0.53M Budget
- Start: May 2015
- Estimated Completion: October 2015

CIP Projects in Construction

944-1, 944-2, & 458-2 Reservoir
Interior/Exterior Coating & Upgrades
(P2531, P2532, P2535)



Scaffolding Removal on the 944-2 Reservoir

- Remove and Replace Deteriorating Reservoir Coatings.
- Structural Modifications to Increase Service Life.
- \$1.83M Budget
- Start: November 2014
- Estimated Completion: October 2015

CIP Projects in Construction



450-1 Disinfection Facility
Rehabilitation
(R2112)

Disinfection Facility – New Roll-Up Door



Disinfection Facility – New Chemical Pump Concrete Pad

- Remove and Replace Sodium Hypochlorite Tanks and Chemical Feed Pumps.
- Construct New Roll-Up Door.
- \$0.27M Budget
- Start: January 2015
- Estimated Completion: July 2015

CIP Projects in Construction

SR-11 Utility Relocations Sequence (P2453)



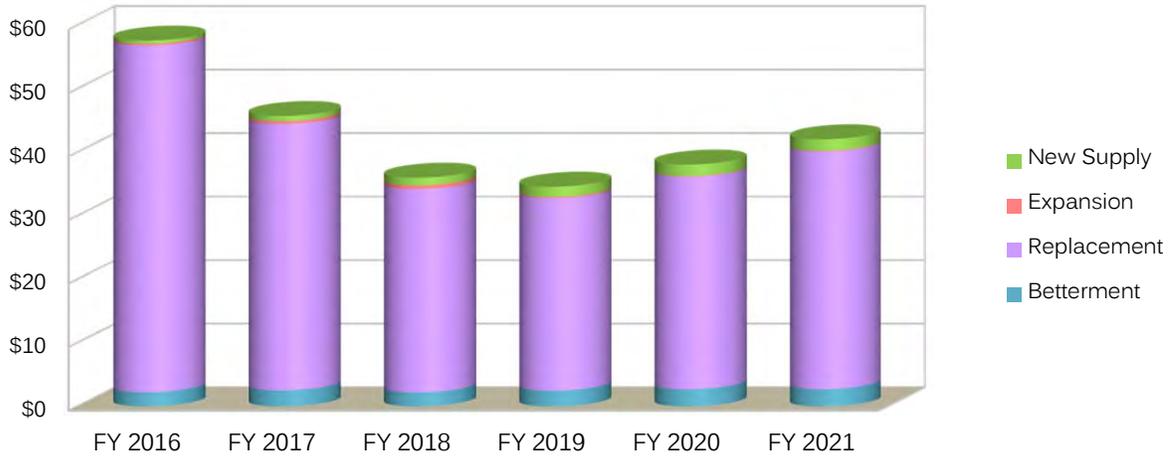
Heat Shrink a Cathodic Protection Sleeve on an Installation for the SR-11

- Relocate Existing Water Facilities to support SR-11 Construction.
- \$2.25M Budget
- Start: February 2014
- Estimated Completion: August 2015

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. The District does not anticipate issuing new water or sewer debt.

RESERVE FUND BALANCES, IN THOUSANDS (\$)

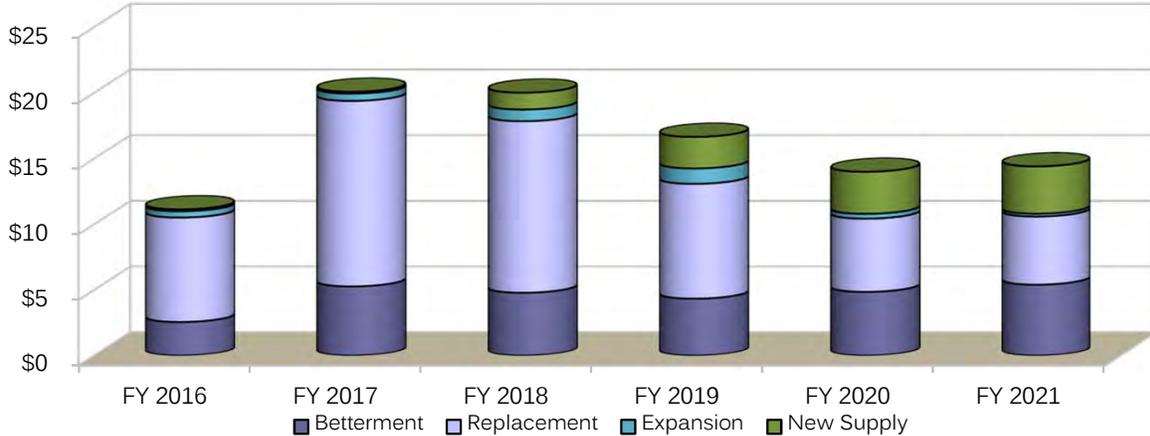


	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
CIP Reserve Funds, in Thousands (\$)							
Beginning Balance	\$ 54,032	\$ 57,795	\$ 45,100	\$ 35,643	\$ 34,298	\$ 37,881	\$ 264,749
Capacity Fees	2,220	4,251	6,323	9,557	11,952	12,864	47,167
Grants	3,714	-	-	-	-	-	3,714
Interest	416	507	486	453	503	594	2,958
Temporary Meters	397	399	403	407	413	419	2,439
Availability (Betterment Portion)	473	491	510	529	550	571	3,124
New Supply Fee	245	475	715	1,050	1,322	1,418	5,224
COPS 2010B Reimbursement	770	770	770	770	770	770	4,621
Transfer from General Fund	15,549	9,364	10,211	11,491	11,015	10,693	68,323
Interfund Transfers	30	40	47	50	54	58	279
Total Sources	23,814	16,297	19,465	24,307	26,579	27,387	137,849
CIP Projects	11,136	20,085	20,014	16,651	13,997	14,407	96,290
Debt Service	7,780	7,764	7,757	7,840	7,824	7,814	46,779
Developer Services	1,135	1,142	1,151	1,162	1,174	1,187	6,950
Total Uses	20,051	28,991	28,922	25,653	22,995	23,408	150,019
Net Sources (Uses)	\$ 3,763	\$ (12,694)	\$ (9,457)	\$ (1,345)	\$ 3,584	\$ 3,979	\$ (12,171)
Ending Balance	\$ 57,795	\$ 45,100	\$ 35,643	\$ 34,298	\$ 37,881	\$ 41,860	\$ 252,578

CIP Funding Source and Category

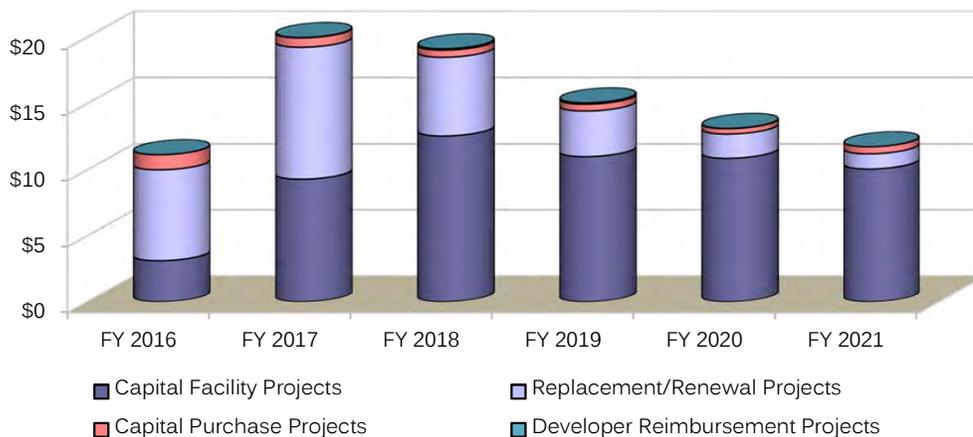
	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
CIP Funding Source							
Expansion	\$ 479	\$ 556	\$ 889	\$ 1,171	\$ 367	\$ 213	\$ 3,676
Betterment	2,558	5,271	4,785	4,335	4,852	5,402	27,202
Replacement	7,959	14,118	13,060	8,745	5,578	5,192	54,652
New Supply	140	140	1,280	2,400	3,200	3,600	10,760
Total	\$ 11,136	\$ 20,085	\$ 20,014	\$ 16,651	\$ 13,997	\$ 14,407	\$ 96,290

SIX-YEAR CIP BY FUNDING SOURCE, IN THOUSANDS (\$)



	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
CIP Category							
Capital Facility Projects	\$ 3,111	\$ 9,283	\$ 12,546	\$ 10,991	\$ 10,863	\$ 10,055	\$ 56,849
Replacement/Renewal Projects	6,883	9,948	5,933	3,437	1,832	1,150	29,183
Capital Purchase Projects	1,141	705	535	513	402	532	3,828
Developer Reimbursement Projects	1	29	100	100	20	-	250
Subtotal	11,136	19,965	19,114	15,041	13,117	11,737	90,110
FY 2017 Through FY 2021 Projects	-	120	900	1,610	880	2,670	6,180
Total	\$ 11,136	\$ 20,085	\$ 20,014	\$ 16,651	\$ 13,997	\$ 14,407	\$ 96,290

SIX-YEAR CIP BY CATEGORY, IN THOUSANDS (\$)



CIP Projects (\$1,000s)

The 2016 Fiscal Year CIP Budget contains 89 projects. The costs for the work planned for Fiscal Year 2016 is \$11.1 million. Of the 80 projects planned for Fiscal Year 2016, one is designated as a reimbursable project with an estimated cost of \$1,000. This project is built by a developer and reimbursed by the District.

CAPITAL FACILITY PROJECTS

CIP No	Description	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
P2040	Res - 1655-1 Reservoir 0.5 MG	\$ 25	\$ 250	\$ 900	\$ 925	\$ 100	\$ -	\$ 2,200
P2083	PS - 870-2 Pump Station Replacement	350	5,000	5,000	3,350	-	-	13700
P2267	36-Inch Main Pumpouts and Air/Vacuum Ventilation Installations	50	200	55	-	-	-	305
P2325	PL-10" to 12" Oversize, 1296 Zone, PB Road-Rolling Hills Hydro PS/PB Bndy	1	20	-	-	-	-	21
P2451	Otay Mesa Desalination Conveyance and Disinfection System	350	350	3,200	6,000	8,000	9,000	26900
P2466	Regional Training Facility	8	6	-	-	-	-	14
P2469	Information Technology Network and Hardware	175	50	-	-	-	-	225
P2470	Financial System Enhancements	100	-	-	-	-	-	100
P2486	Asset Management Plan Condition Assessment and Data Acquisition	75	75	28	-	-	-	178
P2511	Otay Interconnect Pipeline	50	200	200	102	1	1	554
P2537	Operations Yard Property Acquisition Improvements	450	150	15	-	-	-	615
P2540	Work Order Management System Replacement	60	100	-	-	-	-	160
P2541	624 Pressure Zone PRSs	525	5	-	-	-	-	530
P2547	District Administration Vehicle Charging Stations	1	43	5	-	-	-	49
P2549	Fuel System Upgrade	30	-	-	-	-	-	30
P2551	Blossom Lane Helix WD and Otay WD Interconnection	150	13	-	-	-	-	163
P2552	South Barcelona Helix WD and Otay WD Interconnection	150	20	-	-	-	-	170
P2554	640/340 PRS at Energy Way and Nirvana Avenue	1	1	50	250	75	23	400
P2555	Administration and Operations Parking Lot Improvements	10	50	100	100	100	140	500
P2561	Res - 711-3 Reservoir Cover/Liner Replacement	5	95	1,700	-	-	-	1800
P2562	Res - 571-1 Reservoir Cover/Liner Replacement	1	9	10	90	2,490	-	2600
P2563	Res - 870-1 Reservoir Cover/Liner Replacement	1	5	5	9	90	890	1000
P2568	Technology Business Processes Improvement	40	75	-	-	-	-	115
P2569	Metro Ethernet Implementation/ District Facilities - Pilot	100	-	-	-	-	-	100
P2570	SCADA Equipment & Infrastructure Enhancement	-	100	100	100	-	-	300
P2571	Datacenter Network Enhancement & Replacement of Infrastructure Componets	-	-	-	100	100	-	200
P2572	Enterprise Resource Planning (ERP) Replacement	-	-	-	-	-	250	250
R2077	RecPL - 24-Inch, 860 Zone, Alta Road - Alta Gate/Airway	5	20	20	-	-	-	45
R2107	RWCWRF Screening Compactor and Chlorine Injectors Enclosure	7	-	-	-	-	-	7

CIP Projects (\$1,000s)

CAPITAL FACILITY PROJECTS, CONTINUED

CIP No	Description	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
R2108	Res - 927-1 Reservoir Cover Replacement	\$ 10	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10
R2110	RecPS - 944-1 Optimization and Pressure Zone Modifications	25	5	92	-	-	-	122
R2114	Large Recycle Pump Replacement at the RWCWRF 927-1 Pump Station	40	-	-	-	-	-	40
R2117	RWCWRF Disinfection System Improvements	110	1,100	1,100	100	-	-	2410
R2118	Steele Canyon Sewer PS Chopper Pump	40	-	-	-	-	-	40
R2119	Treatment Plant Automation & Security Upgrades	50	50	50	50	-	-	200
R2121	Res - 944-1 Reservoir Cover/Liner Replacement	25	1,375	-	-	-	-	1400
R2122	Emergency Recycled Water Fire Hydrant Installations	75	-	-	-	-	-	75
S2043	RWCWRF Sludge Handling System	1	1	1	1	1	1	6
38	Total Capital Facility Projects	\$ 3,096	\$ 9,368	\$ 12,631	\$ 11,177	\$ 10,957	\$ 10,305	\$ 57,534

REPLACEMENT/RENEWAL PROJECTS

CIP No	Description	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
P2382	Safety and Security Improvements	\$ 300	\$ 250	\$ -	\$ -	\$ -	\$ -	\$ 550
P2453	SR-11 Utility Relocations	5	5	250	250	257	-	767
P2485	SCADA Communication System and Software Replacement	75	35	150	150	150	160	720
P2493	624-2 Reservoir Interior/Exterior Coating	55	50	-	-	-	-	105
P2494	Multiple Species Conservation Plan	87	-	-	-	-	-	87
P2495	San Miguel Habitat Management/Mitigation Area	120	120	160	160	180	190	930
P2496	Otay Lakes Road Utility Relocations	20	5	-	-	-	-	\$25
P2504	Regulatory Site Access Road and Pipeline Relocation	50	365	135	20	-	-	\$570
P2507	East Palomar Street Utility Relocation	25	120	110	-	-	-	\$255
P2508	Pipeline Cathodic Protection Replacement Program	150	300	50	47	-	-	\$547
P2515	870-1 Reservoir Paving	15	-	-	-	-	-	\$15
P2518	803-3 Reservoir Interior/Exterior Coating	20	45	-	-	-	-	\$65
P2519	832-2 Reservoir Interior/Exterior Coating	20	45	25	-	-	-	\$90
P2520	Motorola Mobile Radio Upgrade	30	14	-	-	-	-	\$44
P2529	711-2 Reservoir Interior & Exterior Coating	600	130	25	35	-	-	\$790
P2530	711-1 Reservoir Interior & Exterior Coating	800	200	15	25	-	-	\$1,040
P2531	944-1 Reservoir Interior & Exterior Coating	130	50	35	-	-	-	\$215
P2532	944-2 Reservoir Interior & Exterior Coating	50	50	50	-	-	-	\$150
P2533	1200-1 Reservoir Interior & Exterior Coating	5	490	35	35	-	-	\$565
P2534	978-1 Reservoir Interior & Exterior Coating	-	10	275	5	35	-	\$325
P2535	458-2 Reservoir Interior & Exterior Coating & Upgrades	115	5	35	-	-	-	\$155
P2538	Administration and Operations Building Fire Sprinkler Replacement Program	5	20	18	-	-	-	\$43
P2539	South Bay Bus Rapid Transit (BRT) Utility Relocations	100	100	100	40	-	-	\$340

CIP Projects (\$1,000s)

REPLACEMENT/RENEWAL PROJECTS, CONTINUED

CIP No	Description	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
P2542	850-3 Reservoir Interior Coating	\$ 230	\$ 15	\$ 35	\$ -	\$ -	\$ -	\$ 280
P2543	850-1 Reservoir Interior/Exterior Coating	-	10	515	10	40	-	\$575
P2544	850-2 Reservoir Interior/Exterior Reservoir Coating	5	5	880	10	40	-	\$940
P2545	980-1 Reservoir Interior/Exterior Coating	950	445	50	50	-	-	\$1,495
P2546	980-2 Reservoir Interior/Exterior Coating	-	-	10	1,390	10	40	\$1,450
P2550	Fuel Island Upgrade	75	-	-	-	-	-	\$75
P2553	Heritage Road Bridge Replacement and Utility Relocation	10	100	290	645	155	-	\$1,200
P2557	520 Res Recirculation Pipeline Chemical Supply and Analyzer Feed Replacement Project	1	29	65	5	-	-	\$100
P2558	Additional Pump Station Fuel Storage	25	-	-	-	-	-	\$25
P2559	Pressure Vessel Repair and Replacement Program	50	250	-	-	-	-	\$300
P2564	Administration Carpet Replacement Program	65	75	75	-	-	-	\$215
P2565	803-2 Reservoir Interior/Exterior Coating & Upgrades	-	-	-	5	675	45	\$725
P2566	520-2 Reservoir Interior/Exterior Coating & Upgrades	-	-	-	-	10	1,780	\$1,790
P2567	1004-2 Reservoir Interior/Exterior Coating & Upgrades	-	-	-	-	10	555	\$565
R2109	Sweetwater River Wooden Trestle Improvement for the Recycled Water Forcemain	400	10	-	-	-	-	\$410
R2111	RWCWRF - RAS Pump Replacement	250	-	-	-	-	-	\$250
R2112	450-1 Disinfection Facility Rehabilitation	40	25	-	-	-	-	\$65
R2116	RecPL - 14-Inch, 927 Zone, Forcemain Assessment and Repair	225	1,000	150	50	-	-	\$1,425
R2120	RWCWRF Filtered Water Storage Tank Improvements	10	245	245	-	-	-	\$500
S2012	San Diego County Sanitation District Outfall and RSD Outfall Replacement	50	150	150	200	250	300	\$1,100
S2024	Campo Road Sewer Main Replacement	500	3,400	1,000	-	-	-	\$4,900
S2027	Rancho San Diego Pump Station Rehabilitation	320	1,000	1,000	915	-	-	\$3,235
S2033	Sewer System Rehabilitation	900	800	800	800	800	500	\$4,600
46	Total Replacements and Renewal Projects	\$ 6,883	\$ 9,968	\$ 6,733	\$ 4,847	\$ 2,612	\$ 3,570	\$ 34,613

CAPITAL PURCHASE PROJECTS

CIP No	Description	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
P2282	Vehicle Capital Purchases	\$ 556	\$ 298	\$ 295	\$ 327	\$ 308	\$ 317	\$ 2,101
P2285	Office Equipment and Furniture Capital Purchases	15	15	15	14	6	-	65
P2286	Field Equipment Capital Purchases	50	100	83	68	16	105	\$422
P2366	APCD Engine Replacements and Retrofits	535	307	157	118	78	110	\$1,305
4	Total Capital Purchase	\$1,156	\$720	\$550	\$527	\$408	\$532	\$3,893

CIP Projects (\$1,000s)

DEVELOPER REIMBURSEMENT PROJECTS

CIP No	Description	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
P2556	HWY 94 Upsized Utility Relocations at Melody Lane	\$ 1	\$ 29	\$ 100	\$ 100	\$ 20	\$ -	\$ 250
1	Total Reimbursement Projects	\$1	\$29	\$100	\$100	\$20	\$0	\$250

SUMMARY

CIP No	Description	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
80	Total - FY 2016 Projects	\$11,136	\$19,965	\$19,114	\$15,041	\$13,117	\$11,737	\$90,110
9	Total - FY 2017 through FY 2021 Projects	\$0	\$120	\$900	\$1,610	\$880	\$2,670	\$6,180
89	Grand Totals	\$11,136	\$20,085	\$20,014	\$16,651	\$13,997	\$14,407	\$96,290

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 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
P2040	Res - 1655-1 Reservoir 0.5 MG	M	E/B	\$0	\$0	\$0	\$50	\$51	\$52	\$153
P2451	Otay Mesa Desalination Conveyance and Disinfection System	M/E/C	N/B	-	-	-	-	40,000	75,000	115,000
P2466	Regional Training Facility	M	E/B	1,000	1,000	1,000	1,000	-	-	4,000
P2537	.	M/E	B	-	700	725	750	776	800	3,751
P2547	District Administration Vehicle Charging Stations	M/E	E/B	-	700	700	700	700	700	3,500
S2043	RWCWRF Sludge Handling System	M/E/C	B	-	-	-	-	-	30,000	30,000
				1,000	2,400	2,425	2,500	41,527	106,552	156,404
				\$2,000	\$4,800	\$4,850	\$5,000	\$83,054	\$213,104	\$312,808

Cost Category	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	TOTAL
Maintenance (M)	\$1,000	\$1,200	\$1,200	\$1,250	\$10,252	\$20,252	\$35,154
Energy (E)	-	1,200	1,225	1,250	26,275	66,300	96,250
Chemical (C)	-	-	-	-	5,000	20,000	25,000
Total Operating Budget Cost Impact	\$ 1,000	\$ 2,400	\$ 2,425	\$ 2,500	\$ 41,527	\$ 106,552	\$ 156,404

- ⁽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 (M), energy cost (E), or chemical cost (C), 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

CIP Project Schedule

CIP No	CIP Project Title	Start	Finish	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021			
				Q1	Q2	Q3	Q4																				

REPLACEMENT/RENEWAL PROJECTS, CONTINUED

R2109	Sweetwater River Wooden Trestle Improvement for the Recycled Water	6/30/2014	6/30/2016	[Orange]				[Blue]																							
R2111	RWCWRF - RAS Pump Replacement	7/1/2013	6/30/2016	[Blue]																											
R2112	450-1 Disinfection Facility Rehabilitation	7/1/2014	6/30/2017	[Blue]																											
R2116	RecPL - 14-Inch, 927 Zone, Forcemain Assessment and Repair	7/1/2014	6/30/2019	[Green]				[Orange]				[Blue]																			
R2120	RWCWRF Filtered Water Storage Tank Improvements	7/1/2015	6/30/2018	[Green]				[Orange]				[Blue]																			
S2012	San Diego County Sanitation District Outfall and RSD Outfall Replacement	7/1/2003	6/30/2025	[Yellow]																											
S2024	Campo Road Sewer Main Replacement	7/1/2010	6/30/2017	[Orange]				[Blue]																							
S2027	Rancho San Diego Pump Station Rehabilitation	7/1/2011	6/30/2019	[Blue]																											
S2033	Sewer System Rehabilitation	7/1/2011	6/30/2021	[Green]				[Orange]				[Blue]																			

CAPITAL PURCHASE PROJECTS

P2282	Vehicle Capital Purchases	12/1/2000	6/30/2021	[Yellow]																											
P2285	Office Equipment and Furniture Capital	7/1/2000	6/30/2019	[Yellow]																											
P2286	Field Equipment Capital Purchases	7/1/1996	6/30/2021	[Yellow]																											
P2366	APCD Engine Replacements and Retrofits	12/1/2000	6/1/2020	[Yellow]																											

DEVELOPER REIMBURSEMENT PROJECTS

P2556	HWY 94 Upsized Utility Relocations at Melody Lane	7/1/2015	6/30/2020	[Green]				[Orange]				[Blue]																			
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Planning [Green] Design [Orange] Construction [Blue] Ongoing [Yellow]

FY 2016 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
OFFICE EQUIPMENT/FURNITURE		
Administrative Services		
11	Workstation ergonomics	\$ 15,000
Total of Office Equipment/Furniture		<u>\$ 15,000</u>
FIELD EQUIPMENT		
Finance		
3	Portable Meter Test Program/hardware	15,000
Operations		
19	Valve machine	35,000
Total of Field Equipment		<u>50,000</u>
VEHICLES		
Operations		
18	Replace truck bed for Unit No. 184	11,000
9	Potable Vactor truck with 15-yard debris body	405,000
21	One-ton service truck with engine driven Hydraulic air compressor and 20-foot crane.	140,000
Total of Vehicles		<u>556,000</u>
APCD ENGINE REPLACEMENTS AND RETROFITS		
Operations		
22	Portable Emissions Analyzer	14,500
17	Two portable engine driven pumps	520,000
Total of APCD Engine Replacements and Retrofits		535,000
Grand Total		<u><u>\$ 1,156,000</u></u>
Summary by Project		
	P2285 Office	\$ 15,000
	P2286 Field	50,000
	P2282 Vehicle	556,000
	P2366 APCD Engine Replacements and Retrofits	535,000
Grand Total		<u><u>\$ 1,156,000</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.

CIP Project Sheet Description

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.

CIP Project Sheet Description

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

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

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

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PROJECT TITLE: Res - 1655-1 Reservoir 0.5 MG

CIP Number: P2040

DIRECTOR DIVISION: 5

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE: 8/19/1992

PRIORITY: 3

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$2,200,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY							
TOTAL	2016	2017	2018	2019	2020	2021	Total	
	\$0	\$25	\$250	\$900	\$925	\$100	\$0	\$2,200

CIP Number: P2040

PROJECT SCHEDULE:

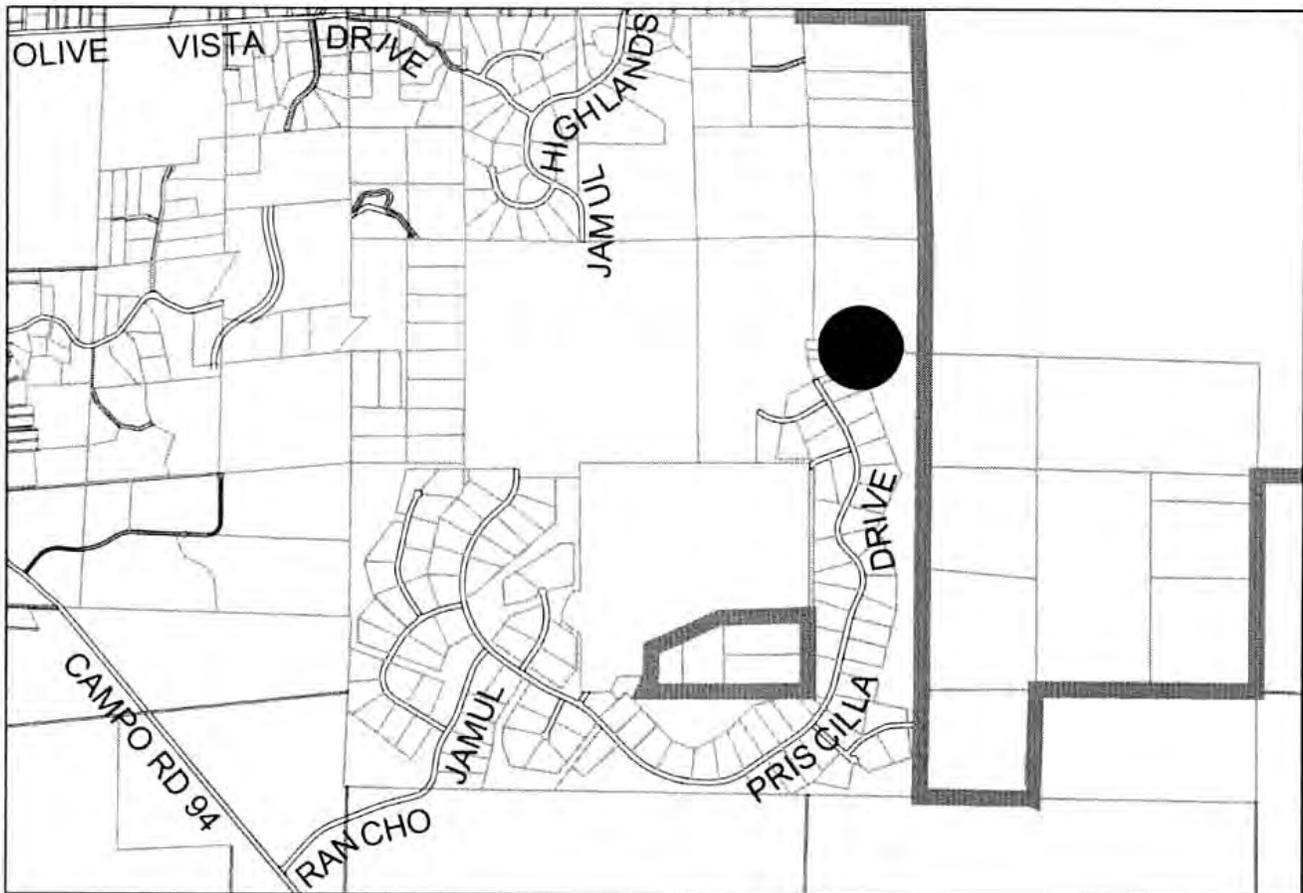
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	6/30/2016	\$82
DESIGN:	7/1/2017	6/30/2018	\$226
CONSTRUCTION:	7/1/2018	6/30/2020	\$1,892

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	Total
MAINT:	\$0	\$0	\$0	\$50	\$51	\$52	\$153
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 310



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: PS - 870-2 Pump Station Replacement

CIP Number: P2083

PROJECT MANAGER: Jeff Marchioro

DIRECTOR DIVISION: 2

ORIGINAL APPROVED DATE: 5/17/1995

I.D. LOCATION: 22

RELATED CIP PROJECTS: P2451

PRIORITY: 1

BUDGET AMOUNT: \$15,000,000

DESCRIPTION OF PROJECT:

Construction of a new pump station to replace the existing Low Head and High Head pump stations.

JUSTIFICATION OF PROJECT:

The two existing pump stations have reached the end of their useful lives.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
\$1,300	\$350	\$5,000	\$5,000	\$3,350	\$0	\$0	\$15,000

CIP Number: P2083

PROJECT SCHEDULE:

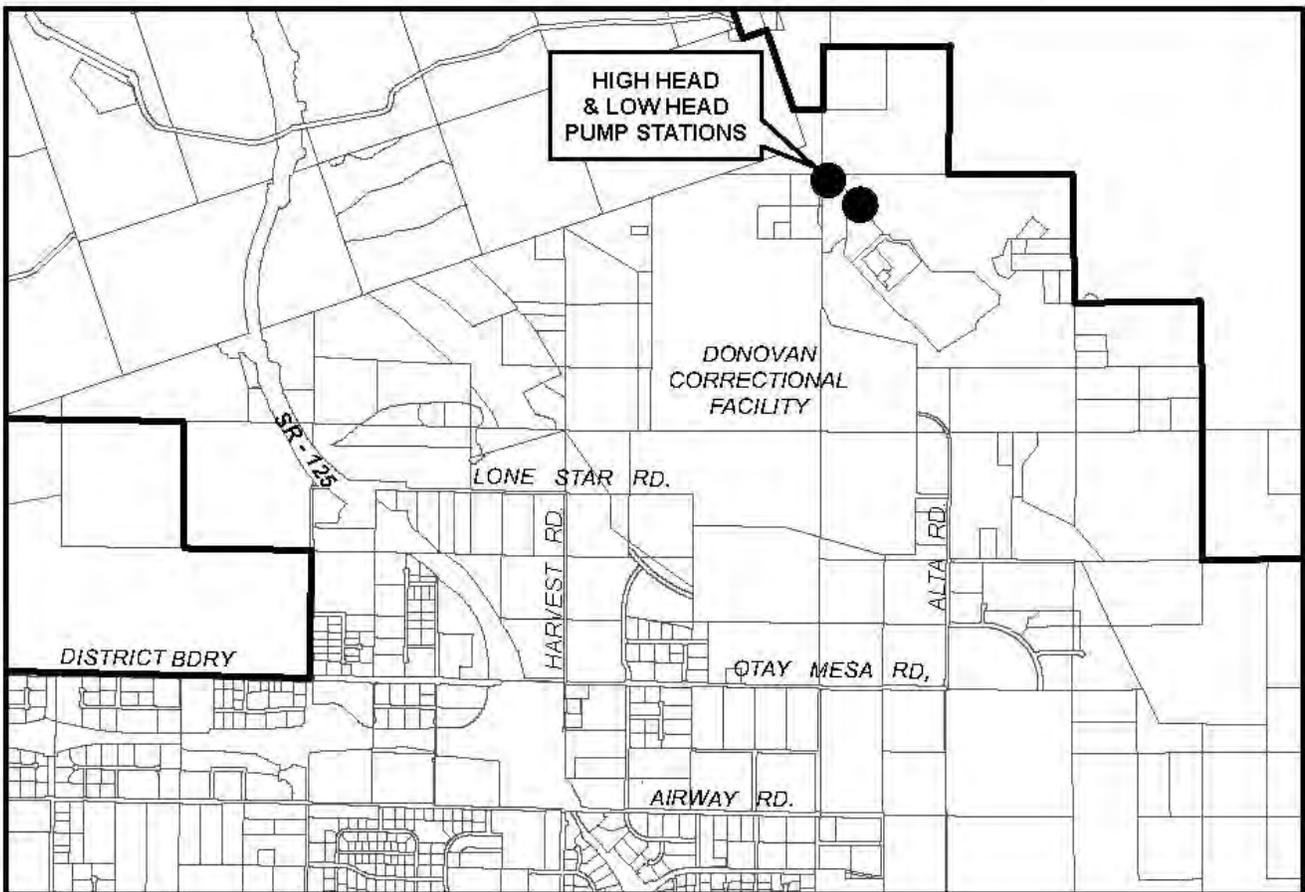
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2013	9/1/2013	\$700
DESIGN:	9/1/2013	6/30/2016	\$970
CONSTRUCTION:	7/1/2016	3/1/2019	\$13,330

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 055



Submitted By: OTAY\Jeff.Marchioro

Date: 5/7/2015

PROJECT TITLE: 36-Inch Main Pumpouts and Air/Vacuum Ventilation Installations **CIP Number:** P2267

DIRECTOR DIVISION: 3

PROJECT MANAGER: Jeff Marchioro

I.D. LOCATION: 22

ORIGINAL APPROVED DATE: 6/3/1996

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$735,000

DESCRIPTION OF PROJECT:

Installation of ventilation equipment on the existing pumpout 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 22	0 %	100 %	0 %	0 %	100 %
TOTAL:	0 %	100 %	0 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$430	\$50	\$200	\$55	\$0	\$0	\$735

CIP Number: P2267

PROJECT SCHEDULE:

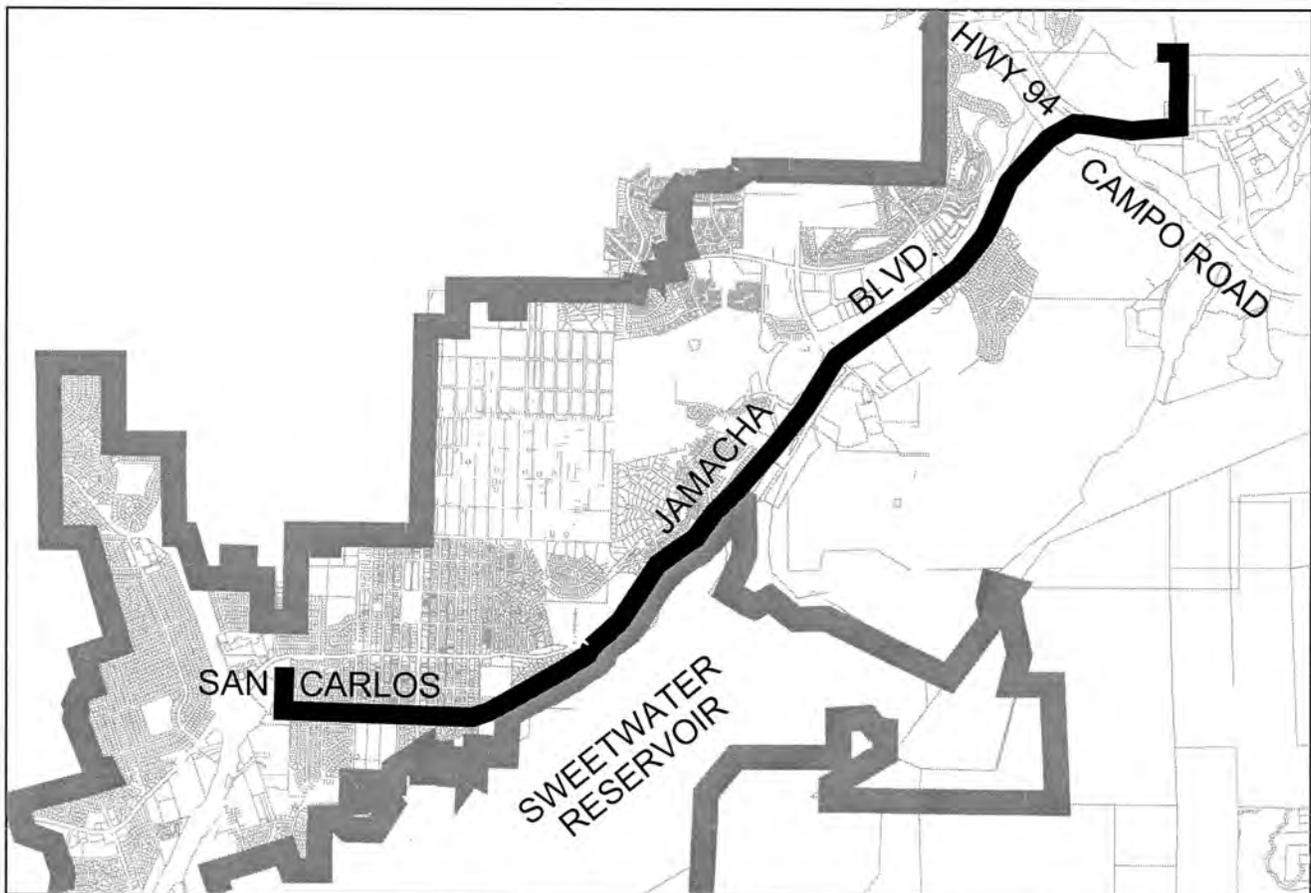
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:	4/1/2015	6/30/2016	\$75
CONSTRUCTION:	7/1/2016	6/30/2018	\$660

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 198



Submitted By: OTAY\Jeff.Marchioro

Date: 5/7/2015

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

CIP Number: P2325

PROJECT MANAGER: Stephen Beppler
ORIGINAL APPROVED DATE:
RELATED CIP PROJECTS:

DIRECTOR DIVISION: 4
I.D. LOCATION: 22
PRIORITY: 2
BUDGET AMOUNT: \$22,000

DESCRIPTION OF PROJECT:

Construction of approximately 6.900 feet of 12-inch pipeline within the 1296 Pressure Zone, from the Rolling Hills Hydropneumatic Pump Station to the future 1296 Reservoir. A portion of the project will be constructed by the developer and is subject to reimbursement at actual cost for the oversize portion per Board policy.

JUSTIFICATION OF PROJECT:

The conversion from a hydropneumatic tank system to a reservoir includes the construction of a waterline from the current system to the proposed tank location. Upsizing of the theoretically required 10-inch water main to a 12-inch line will provide the District adequate water movement capabilities for future needs.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$1	\$1	\$20	\$0	\$0	\$0	\$22

CIP Number: P2325

PROJECT SCHEDULE:

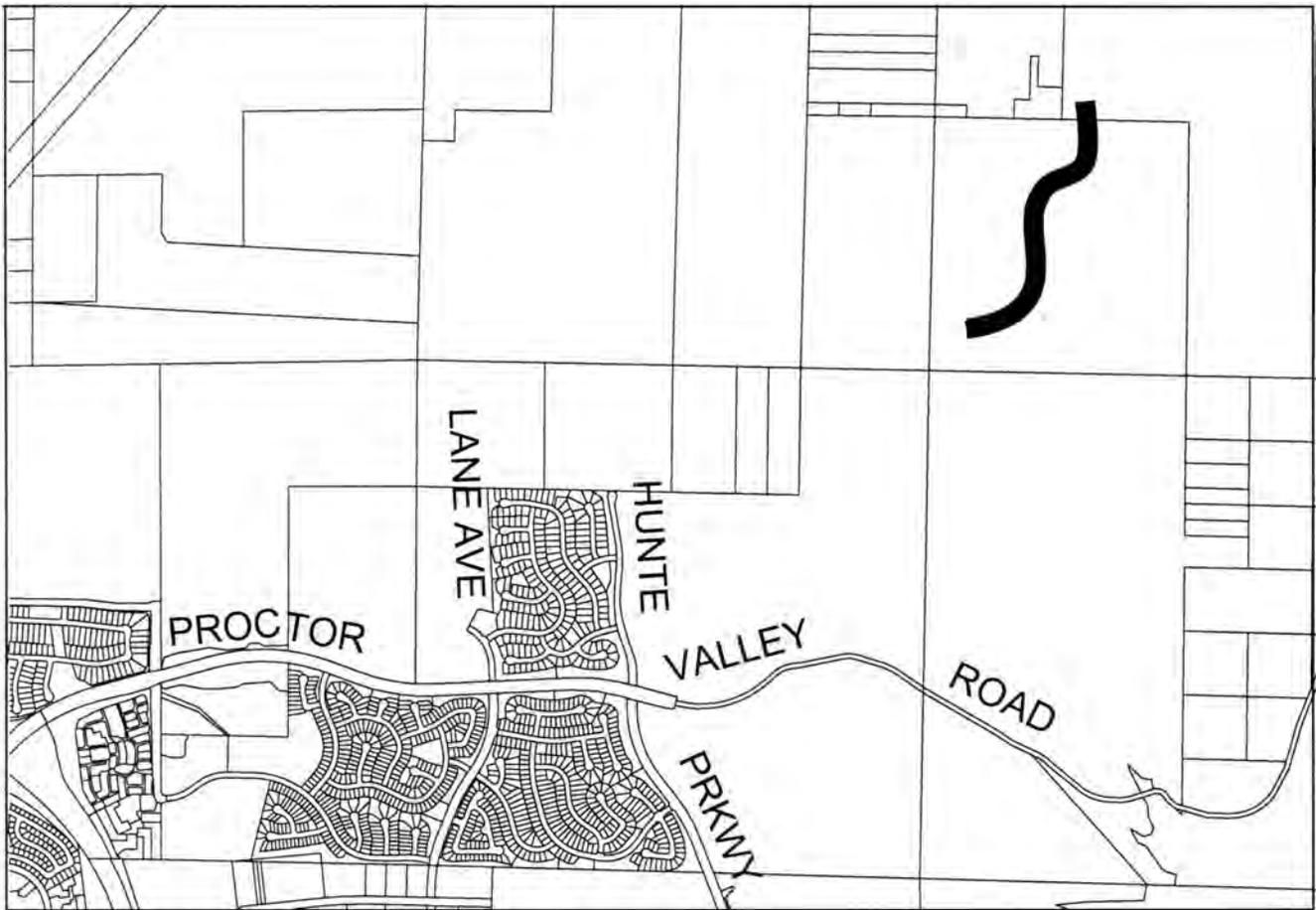
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	6/30/2016	\$1
DESIGN:	7/1/2015	6/30/2016	\$1
CONSTRUCTION:	7/1/2016	6/30/2017	\$20

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 160



Submitted By: Jolene Fielding

Date: 5/11/2015

PROJECT TITLE: Otay Mesa Desalination Conveyance and Disinfection System		CIP Number: P2451	
		DIRECTOR DIVISION:	2
PROJECT MANAGER:	Rod Posada	I.D. LOCATION:	22
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 an independent water source to the Otay Water District.

COMMENTS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY	
TOTAL	2016	2017	2018	2019	2020	2021	Total	
	\$3,100	\$350	\$350	\$3,200	\$6,000	\$8,000	\$9,000	\$30,000

CIP Number: P2451

PROJECT SCHEDULE:

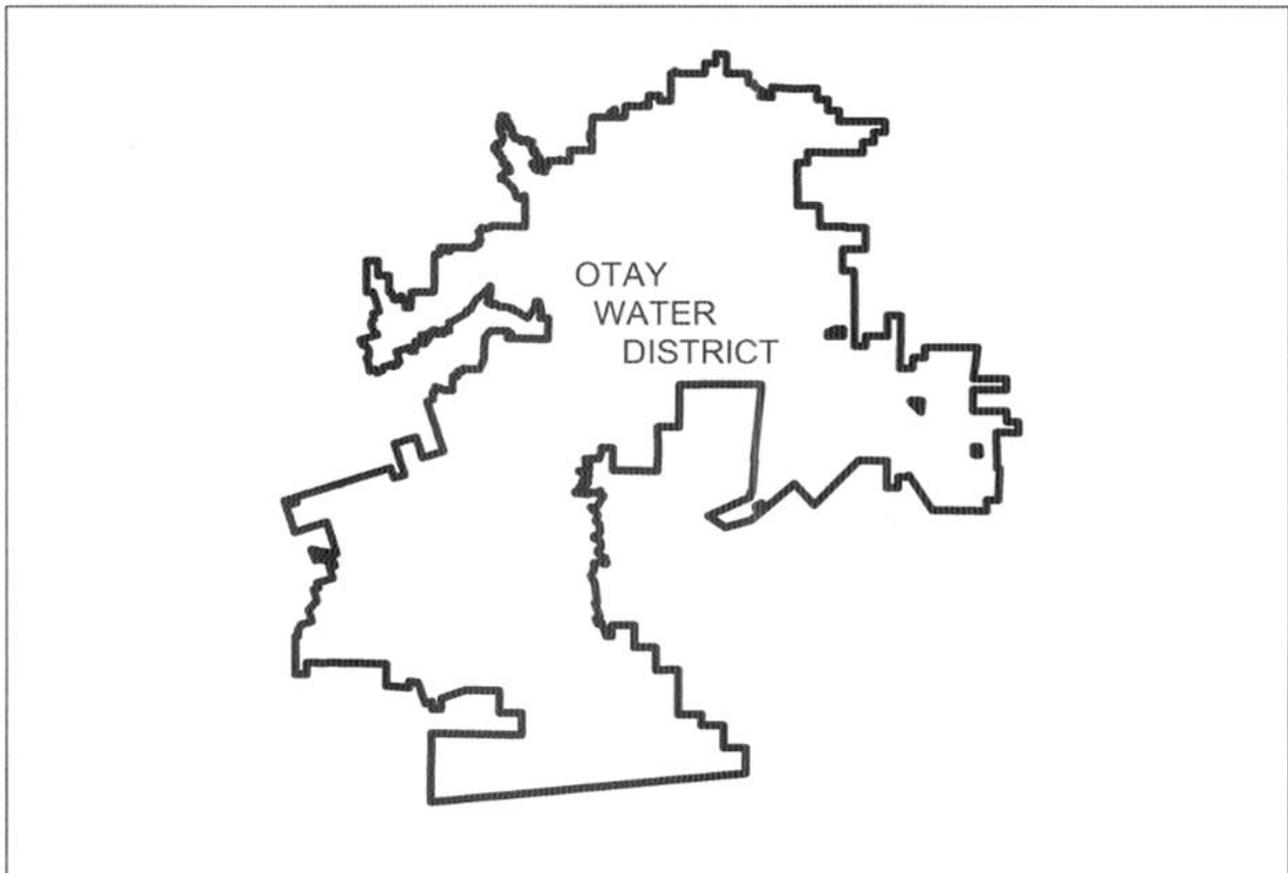
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2006	6/30/2016	\$3,500
DESIGN:	7/1/2016	6/30/2018	\$3,500
CONSTRUCTION:	7/1/2018	6/30/2022	\$23,000

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	Total
MAINT:	\$0	\$0	\$0	\$0	\$10,000	\$10,000	\$20,000
ENERGY:	\$0	\$0	\$0	\$0	\$25,000	\$55,000	\$80,000
CHEMICAL:	\$0	\$0	\$0	\$0	\$5,000	\$10,000	\$15,000

PROJECT LOCATION:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/11/2015

PROJECT TITLE: Regional Training Facility	CIP Number: P2466
PROJECT MANAGER: Lisa Coburn-Boyd	DIRECTOR DIVISION: 5
ORIGINAL APPROVED DATE: 5/29/2007	I.D. LOCATION: 22
RELATED CIP PROJECTS: P2504	PRIORITY: 1
	BUDGET AMOUNT: \$300,000

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

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$286	\$8	\$6	\$0	\$0	\$0	\$300

CIP Number: P2466

PROJECT SCHEDULE:

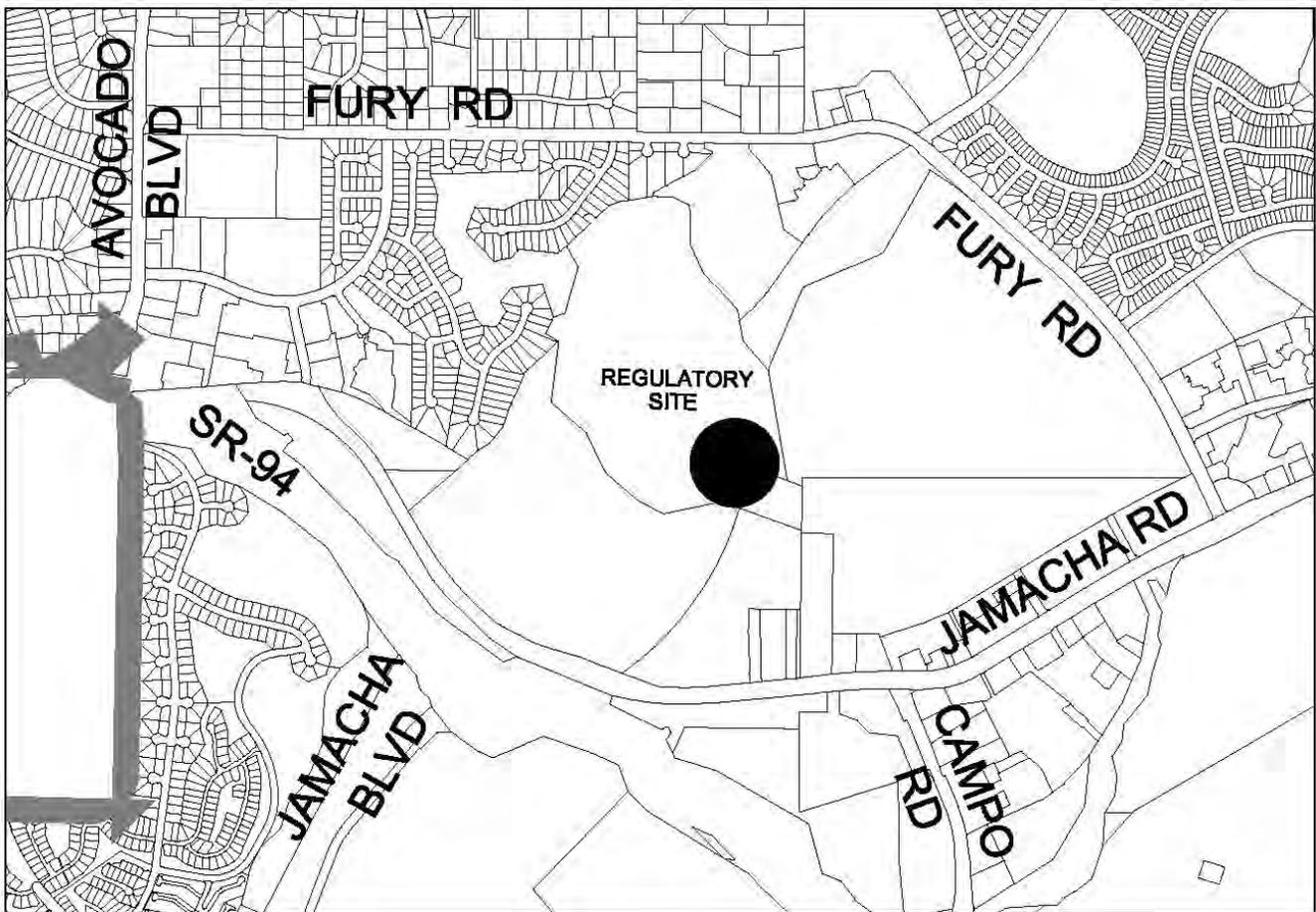
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2007	6/30/2017	\$300
DESIGN:			\$0
CONSTRUCTION:			\$0

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	Total
MAINT:	\$1,000	\$1,000	\$1,000	\$1,000	\$0	\$0	\$4,000
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 343



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: Information Technology Network and Hardware	CIP Number: P2469
PROJECT MANAGER: Michael Kerr	DIRECTOR DIVISION: 0
ORIGINAL APPROVED DATE: 6/23/2008	I.D. LOCATION: District Wide
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$1,684,000

DESCRIPTION OF PROJECT:

This project will continue to upgrade the data center and networks and support operating system and security upgrades. Specific projects include further enhancements to our virtualized server environment, power monitoring equipment and purchase of necessary devices to support operations. Specific projects include:

- 1 Replacement of end-of-life servers with high capacity server enclosures (\$100K).
- 2 Power and data center management and software (\$25K).
- 3 Break-fix replacement for key data center items (\$25K).
- 4 Enhancement to District's disaster recovery computing environment (\$25K).

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
Replacement	0 %	0 %	40 %	0 %	40 %
Betterment ID 22	0 %	60 %	0 %	0 %	60 %
TOTAL:	0 %	60 %	40 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$1,459	\$175	\$50	\$0	\$0	\$0	\$1,684

CIP Number: P2469

PROJECT SCHEDULE:

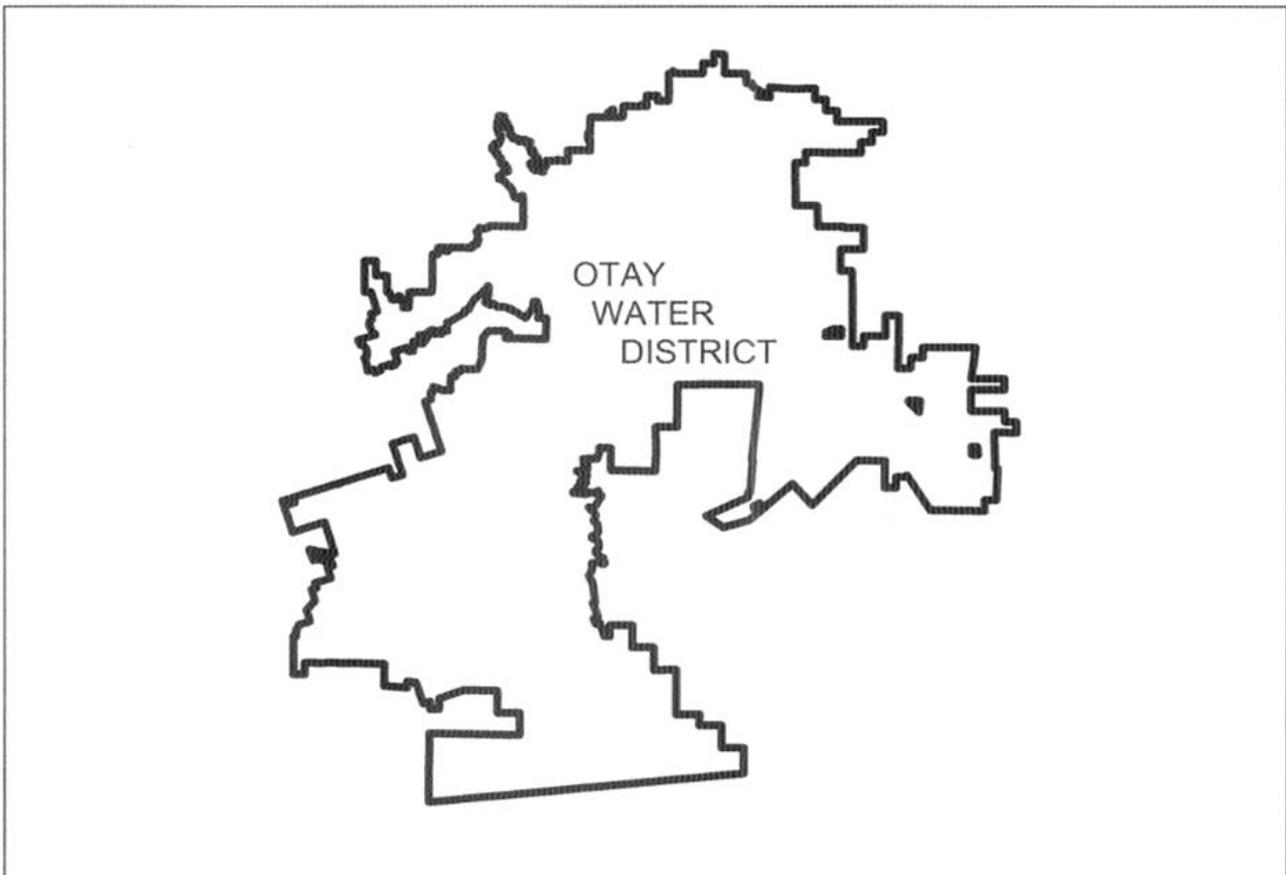
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2008	6/30/2017	\$1,684
DESIGN:			\$0
CONSTRUCTION:			\$0

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/6/2015

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE: Financial System Enhancements	CIP Number: P2470
PROJECT MANAGER: Michael Kerr	DIRECTOR DIVISION: 0
ORIGINAL APPROVED DATE: 6/23/2008	I.D. LOCATION: District Wide
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$1,765,000

DESCRIPTION OF PROJECT:

Develop enhancements, streamlining, and integration functionality for Eden to include Tyler Cashiering (\$40K) and Eden Self-Service Module (\$15K). These projects will commence during FY16. The initial cost proposal for the self-service components came in lower than expected, therefore, the total CIP funding will be \$55K to cover both projects.

Tyler Cashiering – Integration and centralization of payments based on customer payment type, collection process, and single point of entry for data, billing, payment processing, and reporting features.

Eden Payroll & Self-Service – Automation of employee self-service information, payroll processing, increase efficiency, on-line access for District users.

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.

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
Replacement	0 %	0 %	60 %	0 %	60 %
Betterment ID 22	0 %	40 %	0 %	0 %	40 %
TOTAL:	0 %	40 %	60 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$1,665	\$100	\$0	\$0	\$0	\$0	\$1,765

CIP Number: P2470

PROJECT SCHEDULE:

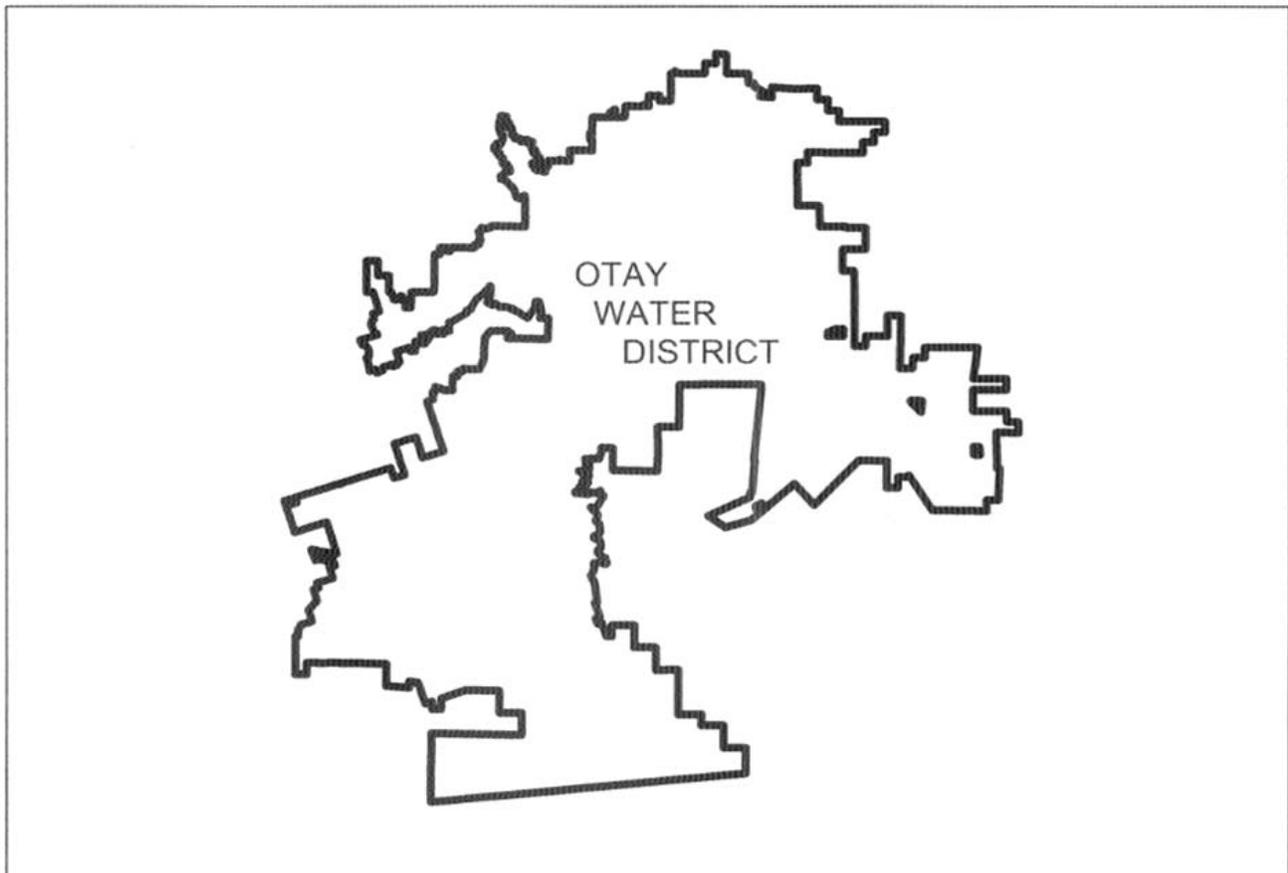
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2008	6/1/2016	\$1,765
DESIGN:			\$0
CONSTRUCTION:			\$0

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: Asset Management Plan Condition Assessment and Data Acquisition		CIP Number: P2486					
PROJECT MANAGER: Ming Zhao		DIRECTOR DIVISION: 0		I.D. LOCATION: District Wide			
ORIGINAL APPROVED DATE: 5/21/2009		PRIORITY: 1		BUDGET AMOUNT: \$1,015,000			
RELATED CIP PROJECTS:							
DESCRIPTION OF PROJECT:							
<p>This project is for the development of an integrated Asset Management system. Funds in 2016 will be used to assign the criticality to major facilities and testing of condition assessment methodologies. Implement the Asset Management software - inforMaster. Explored the analytical capabilities to better use asset management information.</p>							
JUSTIFICATION OF PROJECT:							
<p>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. It is a strategic objective in the existing and new strategic plan.</p>							
COMMENTS:							
FUND DETAILS:							
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total		
Expansion	40 %	0 %	0 %	0 %	40 %		
Betterment ID 22	0 %	60 %	0 %	0 %	60 %		
TOTAL:	40 %	60 %	0 %	0 %	100 %		
EXPENDITURE SCHEDULE (X \$1,000):							
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$837	\$75	\$28	\$0	\$0	\$0	\$1,015

CIP Number: P2486

PROJECT SCHEDULE:

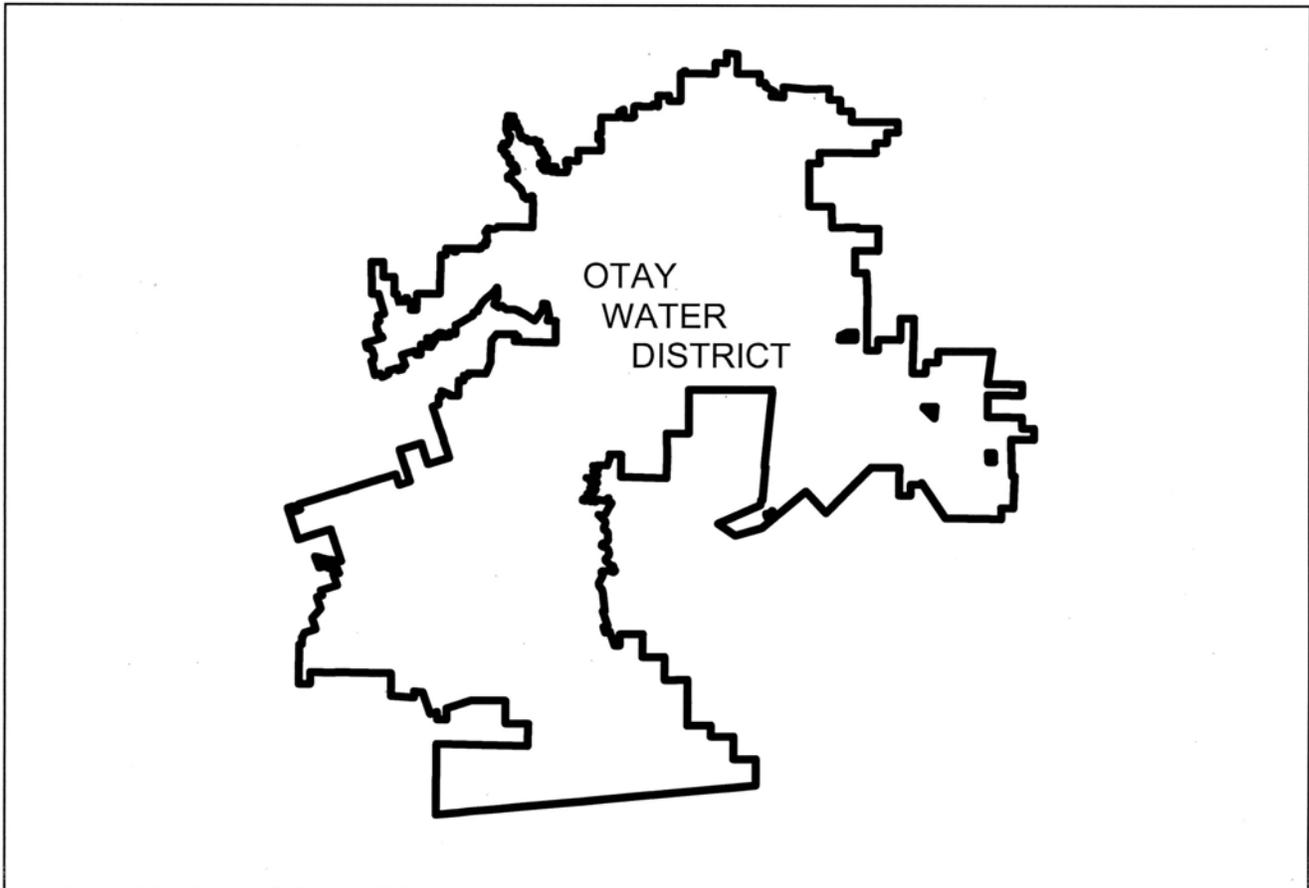
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2009	6/30/2018	\$1,015
DESIGN:			\$0
CONSTRUCTION:			\$0

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: Otay Interconnect Pipeline	CIP Number: P2511
PROJECT MANAGER: Jeff Marchioro	DIRECTOR DIVISION: 3
ORIGINAL APPROVED DATE: 5/17/2010	I.D. LOCATION: 22
RELATED CIP PROJECTS: P2528	PRIORITY: 1
	BUDGET AMOUNT: \$37,300,000

DESCRIPTION OF PROJECT:

This project will provide for a 30-inch transmission main interconnection and pump station between the North District and South District to transport 10,000 gallons per minute between the two systems in either direction. Also, the system will allow for the ability to transfer water from the Sweetwater Authority Perdue Water Treatment Plant into either the North or South 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 22	0 %	60 %	0 %	0 %	60 %
TOTAL:	40 %	60 %	0 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY							
TOTAL	2016	2017	2018	2019	2020	2021	Total	
	\$2,047	\$50	\$200	\$200	\$102	\$1	\$1	\$2,601

CIP Number: P2511

PROJECT SCHEDULE:

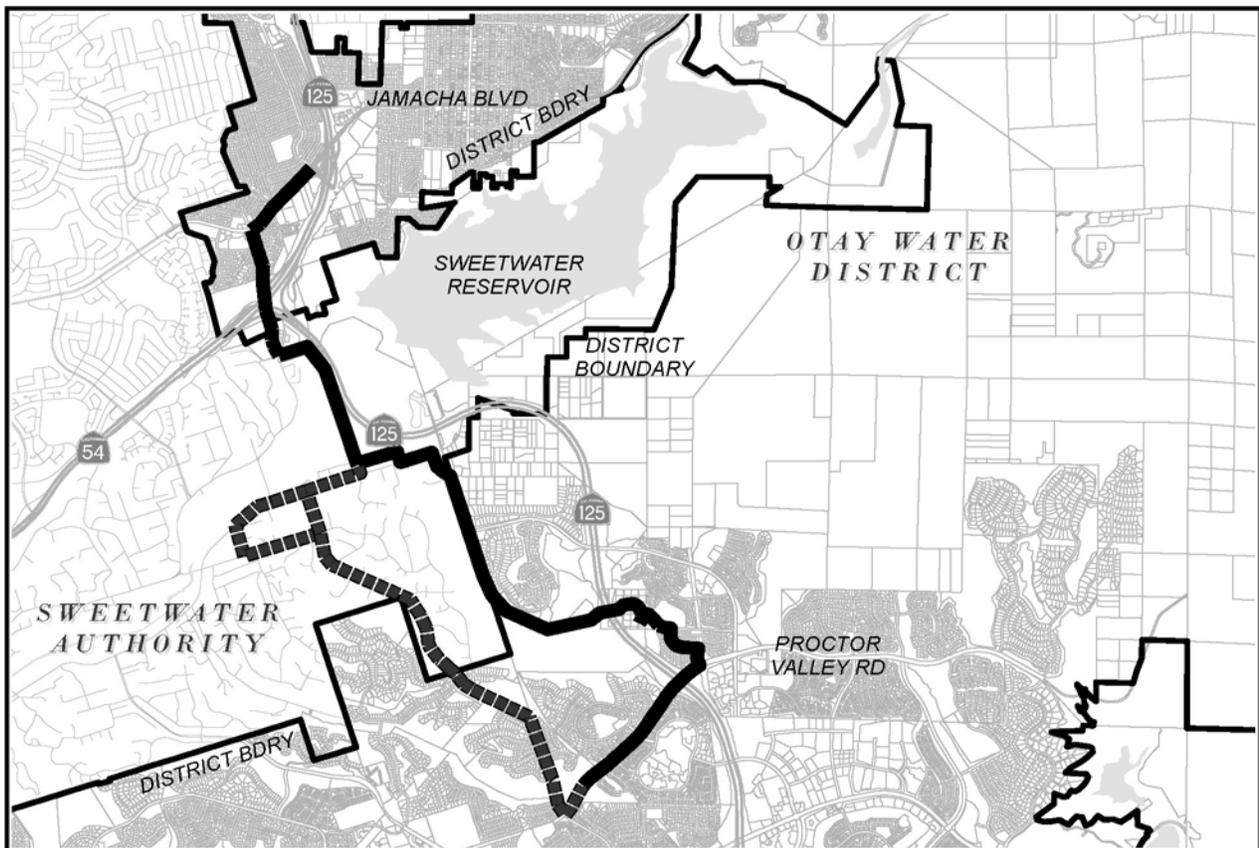
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2010	6/1/2014	\$1,250
DESIGN:	6/1/2013	6/30/2023	\$2,200
CONSTRUCTION:	7/1/2023	6/30/2025	\$33,850

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 184



Submitted By: OTAY\Jeff.Marchioro

Date: 5/7/2015

PROJECT TITLE: Operations Yard Property Acquisition Improvements

CIP Number: P2537

DIRECTOR DIVISION: 4

PROJECT MANAGER: Stephen Beppler

I.D. LOCATION: 22

ORIGINAL APPROVED DATE: 11/13/2008

PRIORITY: 1

RELATED CIP PROJECTS: P2479

BUDGET AMOUNT: \$775,000

DESCRIPTION OF PROJECT:

The project will provide site improvements including fencing, grading, and paving for vehicle parking and equipment storage. After the one year warranty has expired, the District's Administration and Operations parking lots will be slurry sealed and restriped.

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
Betterment ID 22	0 %	100 %	0 %	0 %	100 %
TOTAL:	0 %	100 %	0 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$160	\$450	\$150	\$15	\$0	\$0	\$775

CIP Number: P2537

PROJECT SCHEDULE:

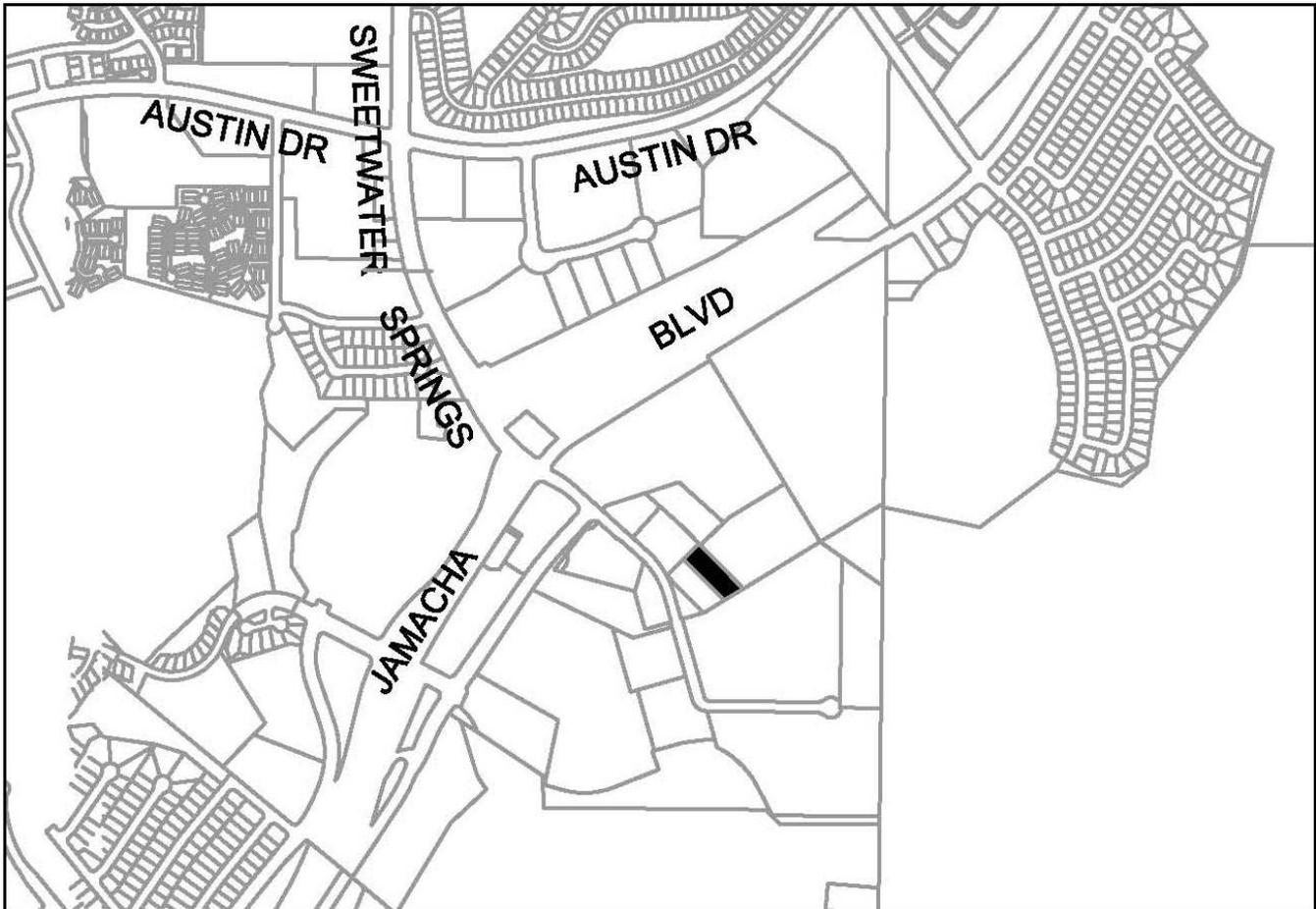
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	6/1/2008	6/30/2014	\$25
DESIGN:	7/1/2014	11/30/2015	\$135
CONSTRUCTION:	12/1/2015	6/30/2016	\$615

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	Total
MAINT:	\$0	\$0	\$0	\$0	\$1	\$0	\$1
ENERGY:	\$0	\$700	\$725	\$750	\$775	\$800	\$3,750
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 318



Submitted By: Bob Kennedy

Date: 8/11/2015

PROJECT TITLE: Work Order Management System Replacement		CIP Number: P2540					
PROJECT MANAGER: Michael Kerr		DIRECTOR DIVISION:	0				
ORIGINAL APPROVED DATE:		I.D. LOCATION:	District Wide				
RELATED CIP PROJECTS:		PRIORITY:	1				
		BUDGET AMOUNT:	\$500,000				
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:							
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total		
Replacement	0 %	0 %	60 %	0 %	60 %		
Betterment ID 22	0 %	40 %	0 %	0 %	40 %		
TOTAL:	0 %	40 %	60 %	0 %	100 %		
EXPENDITURE SCHEDULE (X \$1,000):							
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$340	\$60	\$100	\$0	\$0	\$0	\$500

CIP Number: P2540

PROJECT SCHEDULE:

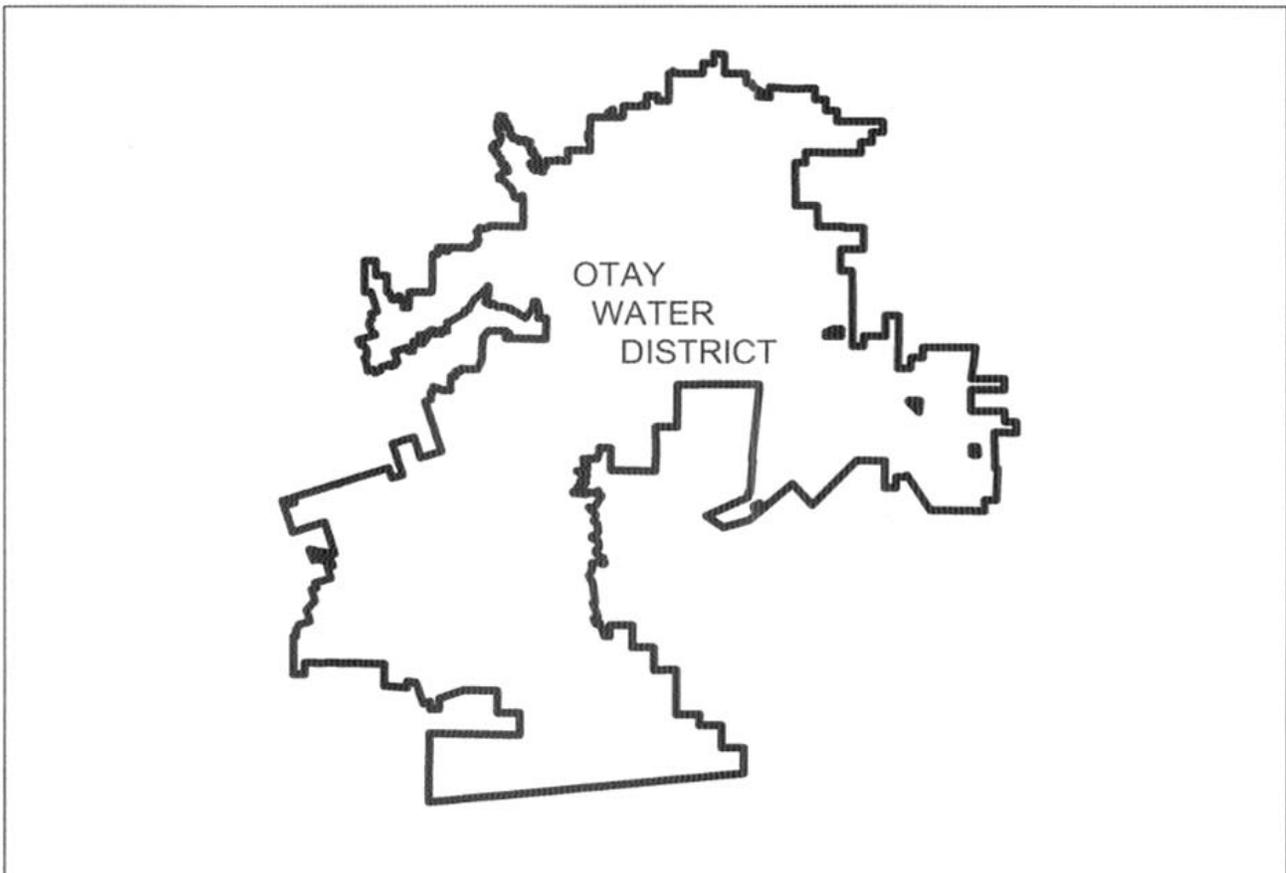
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2013	6/30/2017	\$500

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book:



Submitted By: Rita Bell

Date: 4/29/2015

PROJECT TITLE: 624 Pressure Zone PRSs	CIP Number: P2541
PROJECT MANAGER: Jeff Marchioro	DIRECTOR DIVISION: 2
ORIGINAL APPROVED DATE:	I.D. LOCATION: 22
RELATED CIP PROJECTS: P2434	PRIORITY: 1
	BUDGET AMOUNT: \$750,000

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 22	0 %	100 %	0 %	0 %	100 %
TOTAL:	0 %	100 %	0 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$220	\$525	\$5	\$0	\$0	\$0	\$750

CIP Number: P2541

PROJECT SCHEDULE:

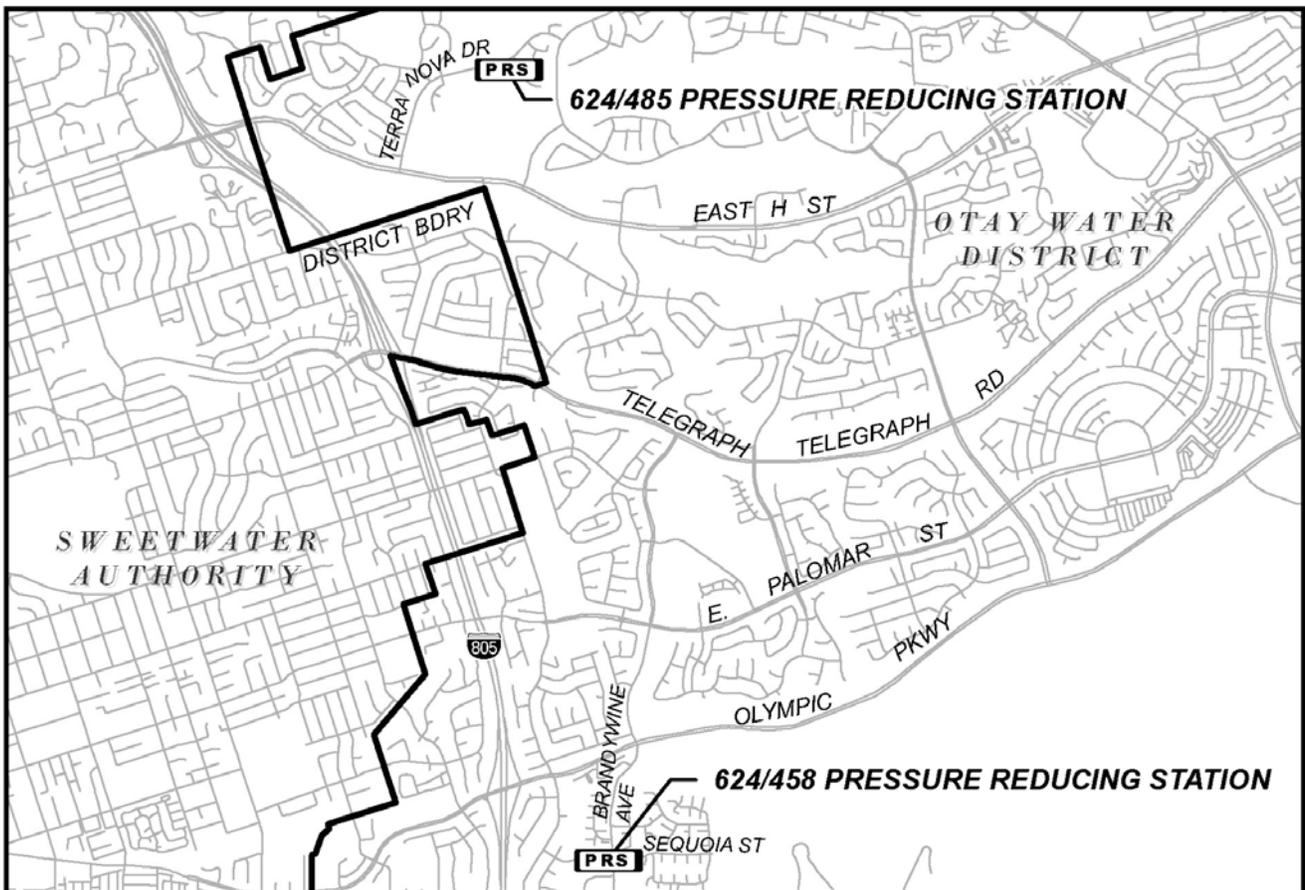
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2013	6/30/2014	\$2
DESIGN:	7/1/2014	8/31/2015	\$220
CONSTRUCTION:	9/1/2015	6/30/2016	\$528

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 127



Submitted By: Bob Kennedy

Date: 7/28/2015

PROJECT TITLE: District Administration Vehicle Charging Stations		CIP Number: P2547					
PROJECT MANAGER: Stephen Beppler		DIRECTOR DIVISION: 3		I.D. LOCATION: 22		PRIORITY: 1	
ORIGINAL APPROVED DATE:		BUDGET AMOUNT: \$60,000					
DESCRIPTION OF PROJECT:							
Construct four (4) electric vehicle charging stations at the lower Administration parking lot.							
JUSTIFICATION OF PROJECT:							
Alternative fueled vehicles are becoming more common, with electric only vehicles making up a significant portion of these. To support the needs of these vehicles and their limited driving range, the District proposes installing vehicle charging stations to allow employees to consider using for their commute.							
COMMENTS:							
\$1,000 for Permit \$14,600 for each Charging Station with dual power docks (2 total) \$15,000 Installation \$5,000 for Conduit							
FUND DETAILS:							
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total		
Expansion	40 %	0 %	0 %	0 %	40 %		
Betterment ID 22	0 %	60 %	0 %	0 %	60 %		
TOTAL:	40 %	60 %	0 %	0 %	100 %		
EXPENDITURE SCHEDULE (X \$1,000):							
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$11	\$1	\$43	\$5	\$0	\$0	\$60

CIP Number: P2547

PROJECT SCHEDULE:

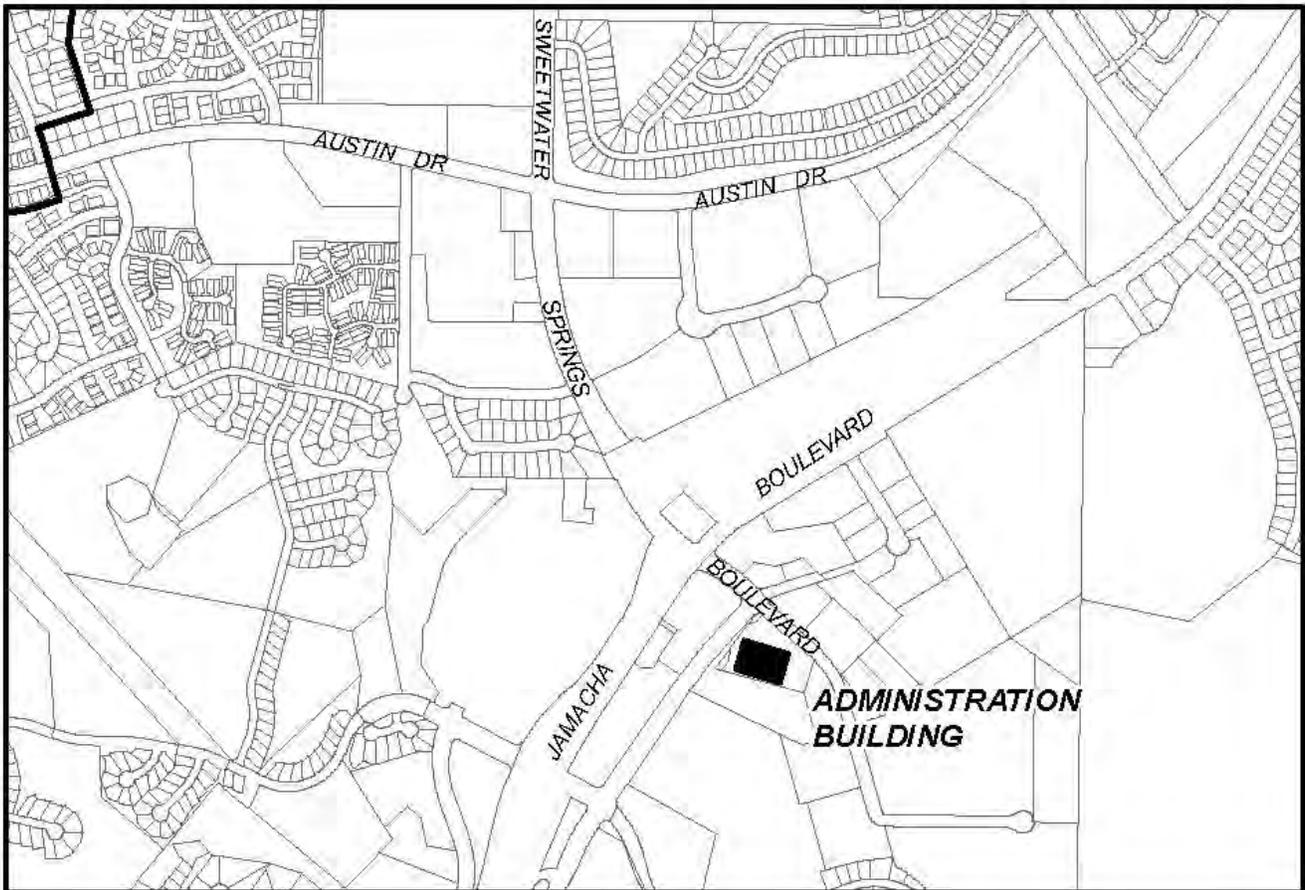
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2014	6/30/2015	\$10
DESIGN:	7/1/2015	6/30/2016	\$10
CONSTRUCTION:	7/1/2016	6/30/2018	\$40

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	Total
MAINT:	\$0	\$200	\$200	\$200	\$200	\$200	\$1,000
ENERGY:	\$0	\$500	\$500	\$500	\$500	\$500	\$2,500
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 318



Submitted By: Jolene Fielding

Date: 5/11/2015

PROJECT TITLE: Fuel System Upgrade		CIP Number: P2549					
PROJECT MANAGER: Kent Payne		DIRECTOR DIVISION: 3		I.D. LOCATION: 22		PRIORITY: 1	
ORIGINAL APPROVED DATE:		BUDGET AMOUNT: \$30,000					
RELATED CIP PROJECTS: P2550							
DESCRIPTION OF PROJECT:							
This project is to upgrade the Districts fuel system, both in the vehicles as well as the fuel island.							
JUSTIFICATION OF PROJECT:							
This project will allow any employee to fill a District vehicle with no training. Authorizations and transactions will be done wireless so electrical lines run through the fuel hoses or ground loops will be used and it will also allow Management tighter control on the dispensing of fuel by placing limits on types of fueling and have better reporting features.							
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	2016	2017	2018	2019	2020	2021	Total
\$0	\$30	\$0	\$0	\$0	\$0	\$0	\$30

CIP Number: P2549

PROJECT SCHEDULE:

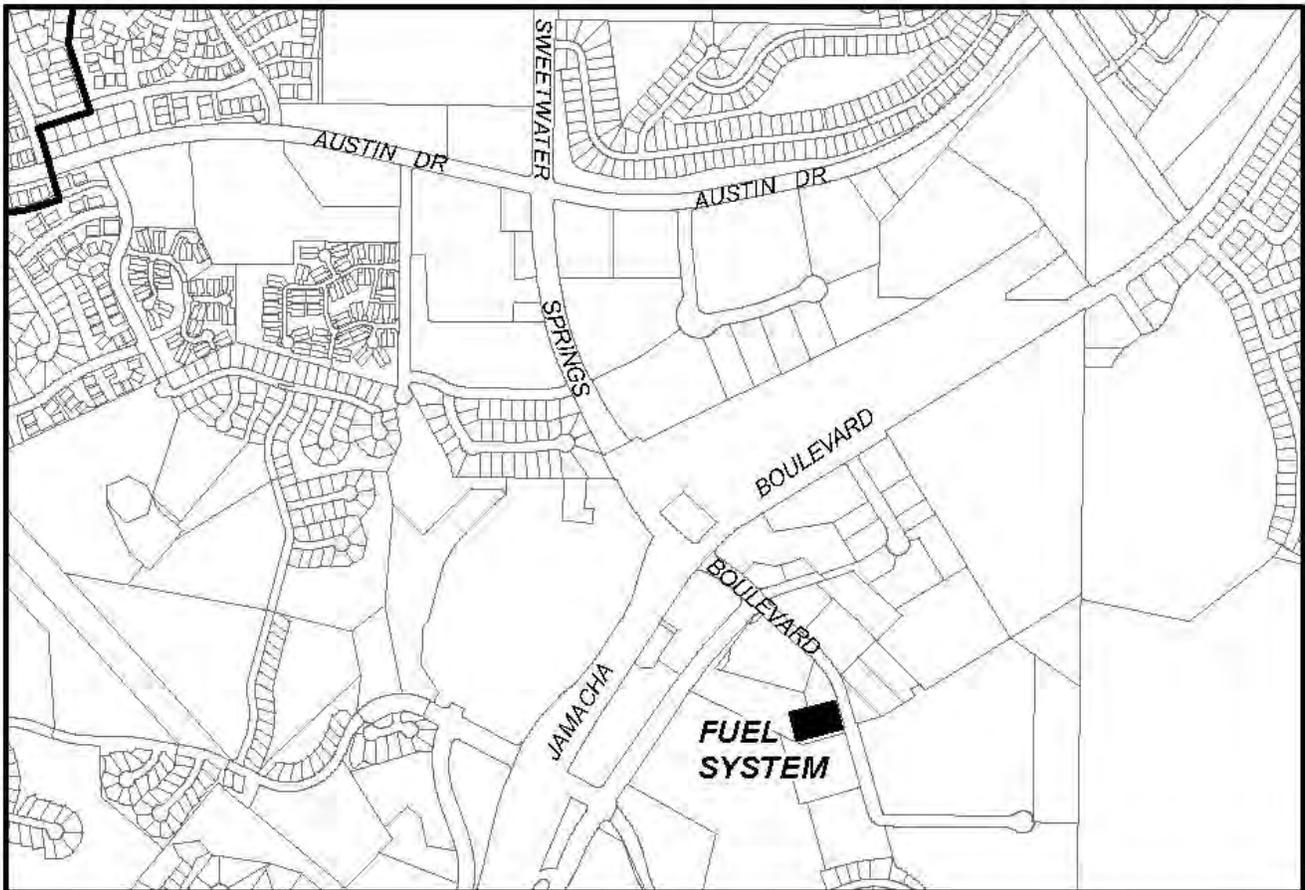
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	6/1/2015	7/31/2015	\$1
DESIGN:	8/1/2015	9/30/2015	\$1
CONSTRUCTION:	10/1/2015	12/31/2015	\$28

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 318



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: Blossom Lane Helix WD and Otay WD Interconnection

CIP Number: P2551

DIRECTOR DIVISION: 3

PROJECT MANAGER: Stephen Beppler

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS: P2552

BUDGET AMOUNT: \$200,000

DESCRIPTION OF PROJECT:

To upgrade the meter, vault, telemetry and other interconnection appurtenances to meet current standards.

JUSTIFICATION OF PROJECT:

To upgrade the existing interconnection to meet current standards.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$30	\$150	\$13	\$0	\$0	\$0	\$193

CIP Number: P2551

PROJECT SCHEDULE:

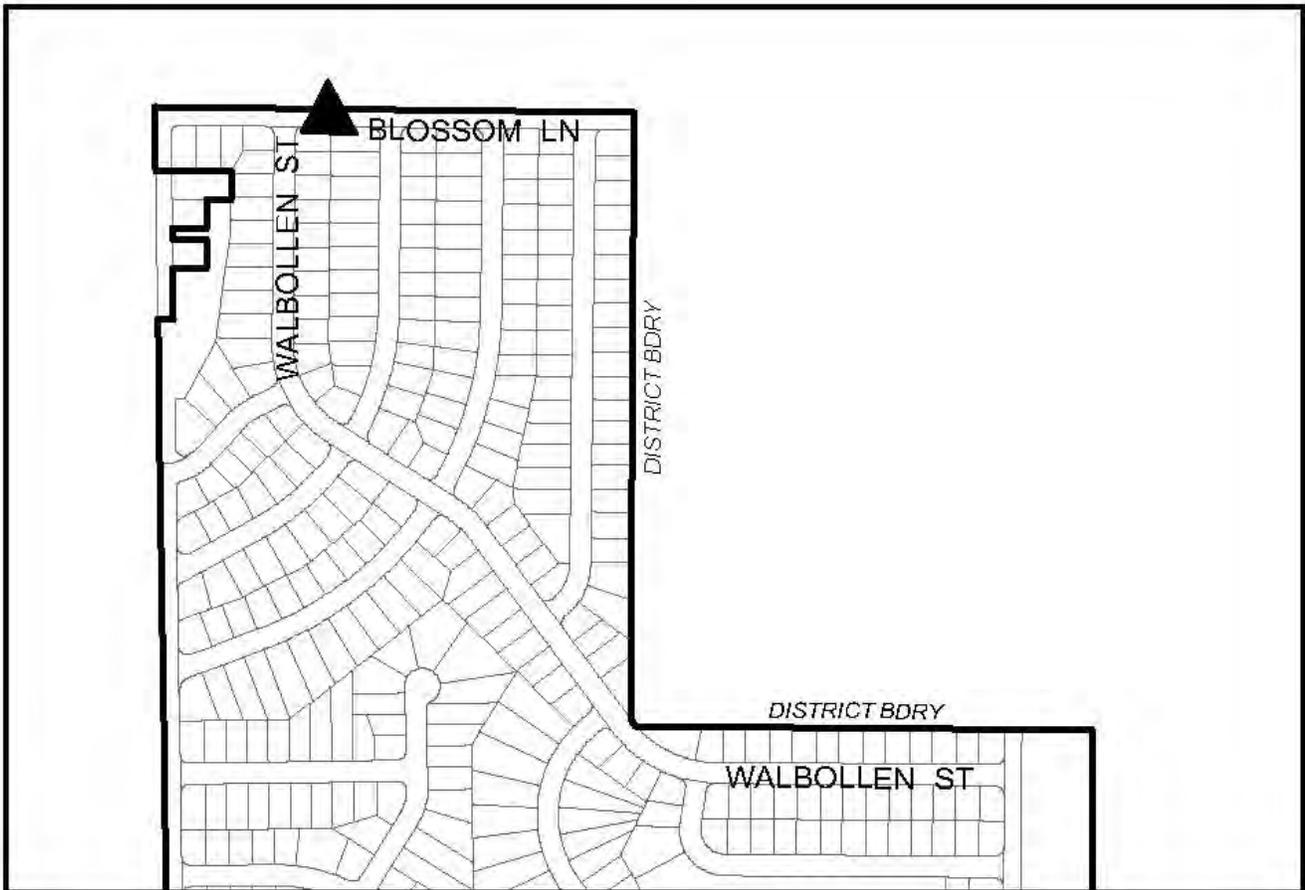
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2014	6/30/2015	\$5
DESIGN:	7/1/2015	2/28/2016	\$25
CONSTRUCTION:	3/1/2016	8/31/2016	\$170

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 315



Submitted By: Bob Kennedy

Date: 8/11/2015

PROJECT TITLE: South Barcelona Helix WD and Otay WD Interconnection

CIP Number: P2552

DIRECTOR DIVISION: 3

PROJECT MANAGER: Stephen Beppler

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS: P2551

BUDGET AMOUNT: \$200,000

DESCRIPTION OF PROJECT:

To upgrade the meter, telemetry, vault, and other interconnection appurtenances to current standards.

JUSTIFICATION OF PROJECT:

To upgrade the existing interconnection to meet current standards.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$30	\$150	\$20	\$0	\$0	\$0	\$200

CIP Number: P2552

PROJECT SCHEDULE:

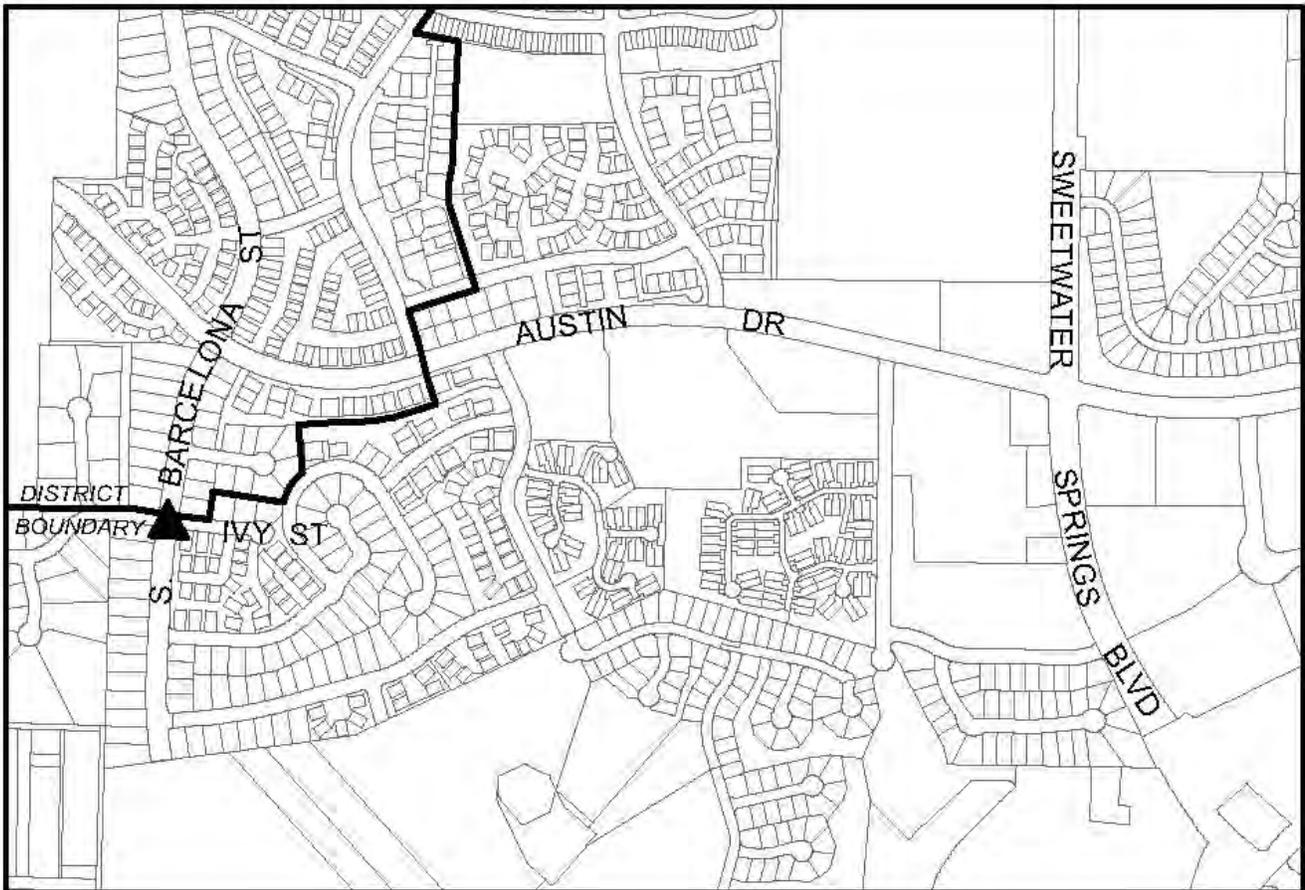
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2014	6/30/2015	\$5
DESIGN:	7/1/2015	2/28/2016	\$30
CONSTRUCTION:	3/1/2016	8/31/2016	\$165

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 317



Submitted By: Bob Kennedy

Date: 8/11/2015

PROJECT TITLE: 640/340 PRS at Energy Way and Nirvana Avenue

CIP Number: P2554

DIRECTOR DIVISION: 2

PROJECT MANAGER: Jeff Marchioro

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS: P2405

BUDGET AMOUNT: \$400,000

DESCRIPTION OF PROJECT:

This project will provide a pressure reducing station near Energy Way and Nirvana Avenue. The PRS will feed the 340 Pressure Zone from the 640 Pressure Zone. The existing Energy Way pipeline will be converted from the 340 pressure zone to the higher 640 pressure zone with the Village 3 North pipeline interconnection proposed for the intersection of Heritage Road and Energy Way.

JUSTIFICATION OF PROJECT:

This project would upgrade the 340 pressure to improve fire flow and enhance system reliability.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$0	\$1	\$50	\$250	\$75	\$23	\$400

CIP Number: P2554

PROJECT SCHEDULE:

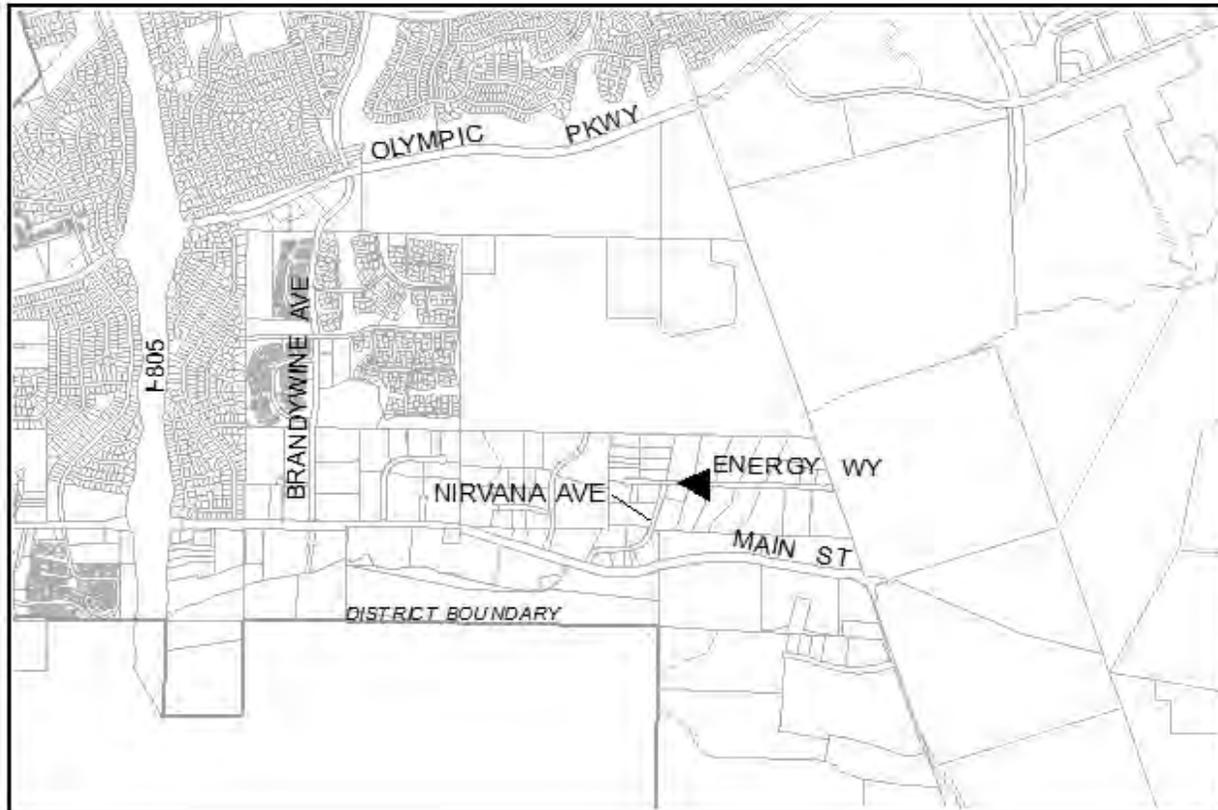
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	6/30/2017	\$20
DESIGN:	7/1/2017	6/30/2018	\$75
CONSTRUCTION:	7/1/2018	6/30/2020	\$305

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 050



Submitted By: OTAY\Jeff.Marchioro

Date: 5/11/2015

PROJECT TITLE: Administration and Operations Parking Lot Improvements

CIP Number: P2555

DIRECTOR DIVISION: 3

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$500,000

DESCRIPTION OF PROJECT:

AC Pavement repairs, slurry seal, re-striping and update area lighting improvements to existing Administration and Operations parking lots.

JUSTIFICATION OF PROJECT:

Parking lot needs to be re-striped and AC pavement needs to be resealed. Area lighting will be updated to more energy efficient fixtures.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$0	\$10	\$50	\$100	\$100	\$100	\$500

CIP Number: P2555

PROJECT SCHEDULE:

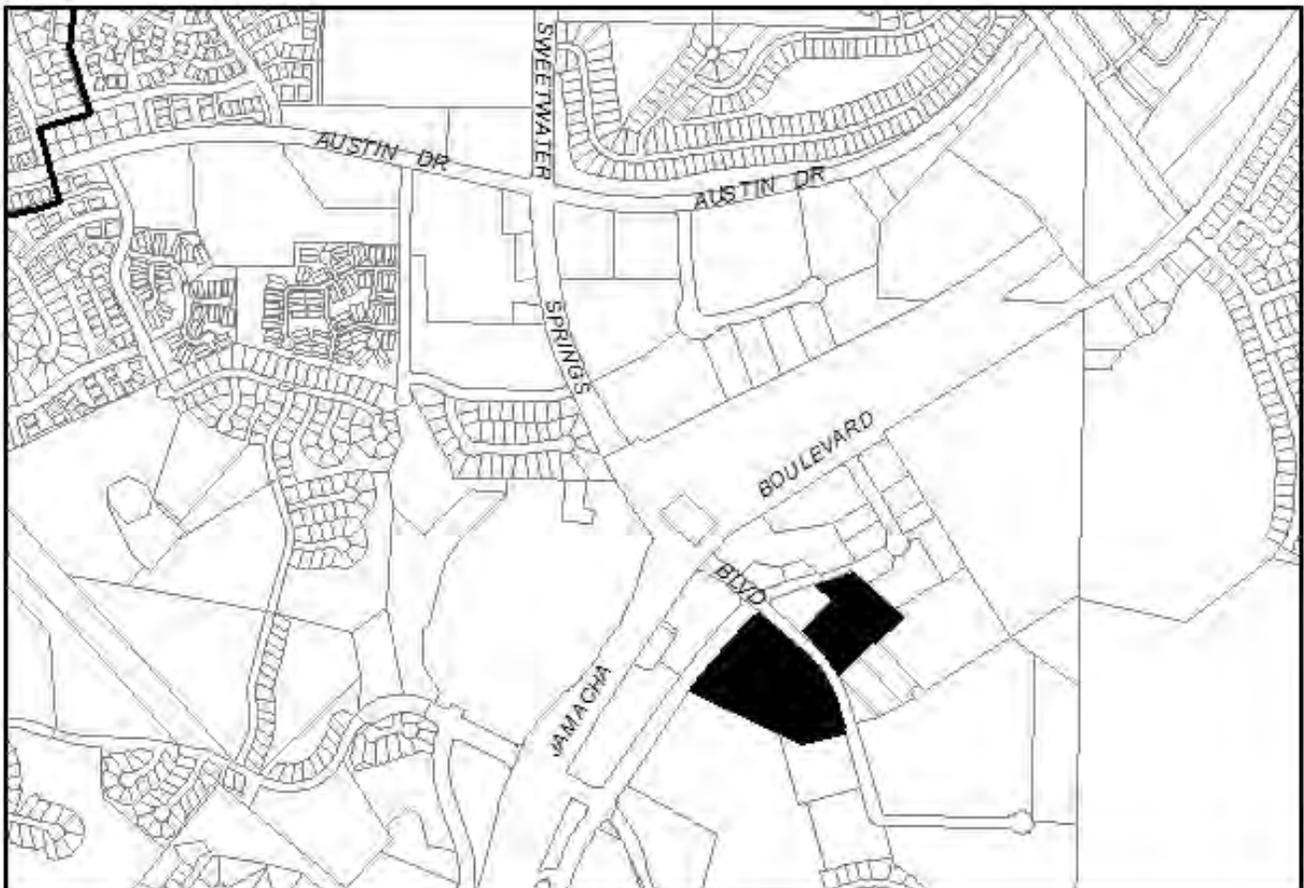
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	12/31/2015	\$10
DESIGN:	1/1/2016	12/31/2016	\$75
CONSTRUCTION:	1/1/2017	6/30/2017	\$415

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 318



Submitted By: Bob Kennedy

Date: 7/28/2015

PROJECT TITLE: Res - 711-3 Reservoir Cover/Liner Replacement

CIP Number: P2561

DIRECTOR DIVISION: 5

PROJECT MANAGER: Jeff Marchioro

I.D. LOCATION: 22/27

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$1,800,000

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 lives and require replacement to meet regulatory requirements.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$0	\$5	\$95	\$1,700	\$0	\$0	\$0
							\$1,800

CIP Number: P2561

PROJECT SCHEDULE:

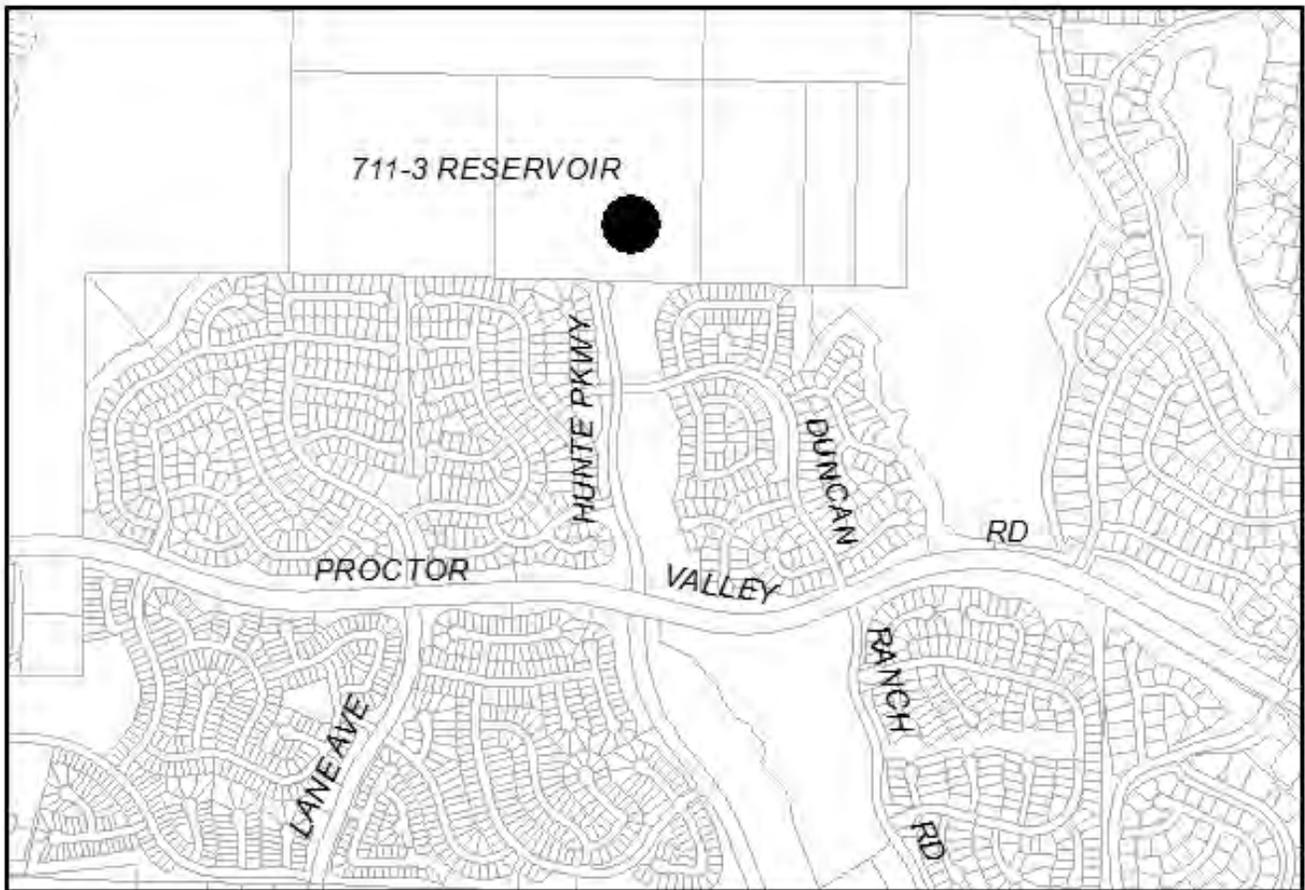
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	6/30/2017	\$10
DESIGN:	1/1/2017	9/30/2017	\$90
CONSTRUCTION:	10/1/2017	6/30/2018	\$1,700

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 159



Submitted By: OTAY\Jeff.Marchioro

Date: 5/6/2015

PROJECT TITLE: Res - 571-1 Reservoir Cover/Liner Replacement

CIP Number: P2562

DIRECTOR DIVISION: 2

PROJECT MANAGER: Jeff Marchioro

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 3

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$2,600,000

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 lives and require replacement to meet regulatory requirements.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY							
TOTAL	2016	2017	2018	2019	2020	2021	Total	
	\$0	\$1	\$9	\$10	\$90	\$2,490	\$0	\$2,600

CIP Number: P2562

PROJECT SCHEDULE:

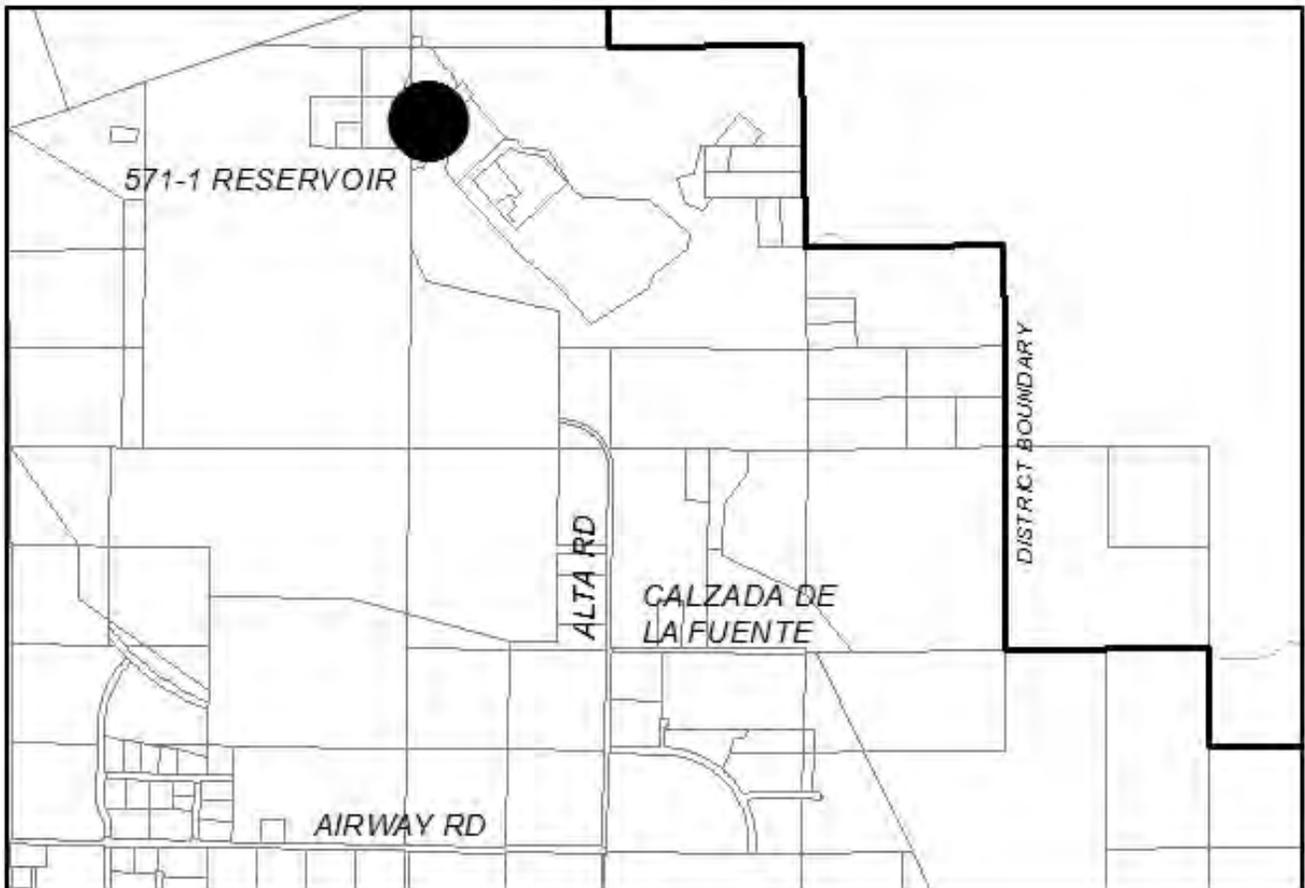
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	6/30/2019	\$10
DESIGN:	1/1/2019	9/30/2019	\$100
CONSTRUCTION:	10/1/2019	6/30/2020	\$2,490

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 55



Submitted By: OTAY\Jeff.Marchioro

Date: 5/7/2015

PROJECT TITLE: Res - 870-1 Reservoir Cover/Liner Replacement

CIP Number: P2563

DIRECTOR DIVISION: 2

PROJECT MANAGER: Jeff Marchioro

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 3

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$1,000,000

DESCRIPTION OF PROJECT:

This project is for the replacement of the existing membrane floating cover and liner with a new membrane system.

JUSTIFICATION OF PROJECT:

The existing membrane floating cover and liner have reached the end of their useful lives and require replacement to meet regulatory requirements.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$0	\$1	\$5	\$5	\$9	\$90	\$890
							\$1,000

CIP Number: P2563

PROJECT SCHEDULE:

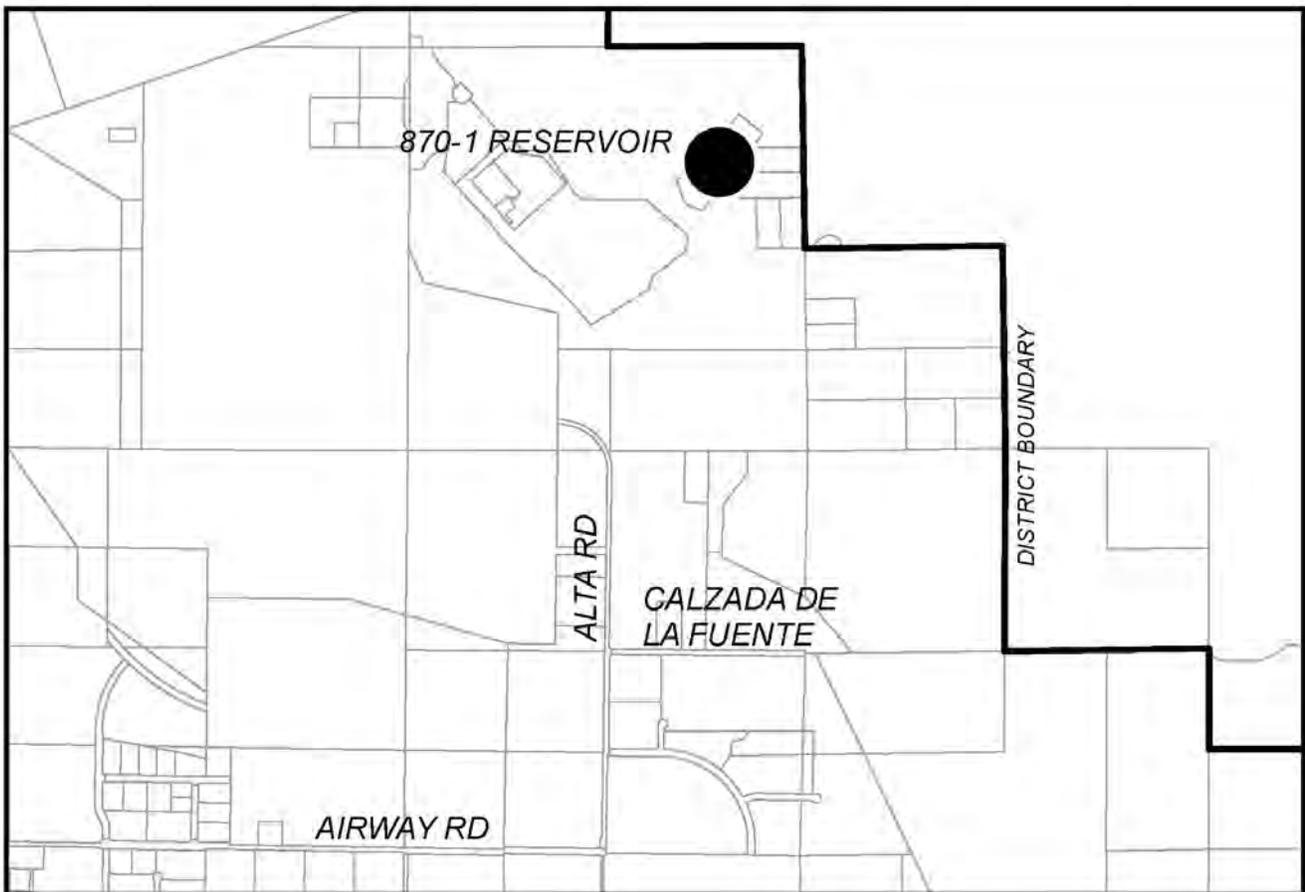
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	6/30/2020	\$10
DESIGN:	1/1/2020	9/30/2020	\$100
CONSTRUCTION:	10/1/2020	6/30/2021	\$890

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 55



Submitted By: OTAY\Jeff.Marchioro

Date: 5/7/2015

PROJECT TITLE: Technology Business Processes Improvement	CIP Number: P2568
PROJECT MANAGER: Michael Kerr	DIRECTOR DIVISION: 0
ORIGINAL APPROVED DATE:	I.D. LOCATION: District Wide
RELATED CIP PROJECTS:	PRIORITY: 2
	BUDGET AMOUNT: \$115,000

DESCRIPTION OF PROJECT:
 Business Process Improvement -
 Advance business processes and operational efficiencies through effective implementation of information technology with assistance from integrated work flow tools, document management solutions and standardization.

JUSTIFICATION OF PROJECT:
 (YR1/YR2) - Redesign of Business Process Reengineering to streamline and/or sustain future demands and growth with existing staff and enterprise integration enhancement.
 (YR1) - InfoPath Forms - (designing, distributing, and submitting electronic forms) - Near end of life and will soon need to be replaced. Staff will conduct analysis on software replacement. \$20,000
 (YR1) - Upgrade of the District's back-end Intranet structure (SharePoint) - Near end of life for support and will need to be upgraded with new features to include BI (Business Intelligence) plug-in solution (Dashboard Designer) - \$20,000
 (YR2) - Enterprise Content Management and Document Management Solution. The District's current content management solution requires adaptation and new features in keeping abreast with current technologies to include content strategies and a standard taxonomy. The current solution also does not integrate well with SharePoint, the District's current Intranet back-end technology solution, and other possible integration solutions. - \$75,000

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$0	\$40	\$75	\$0	\$0	\$0	\$115

CIP Number: P2568

PROJECT SCHEDULE:

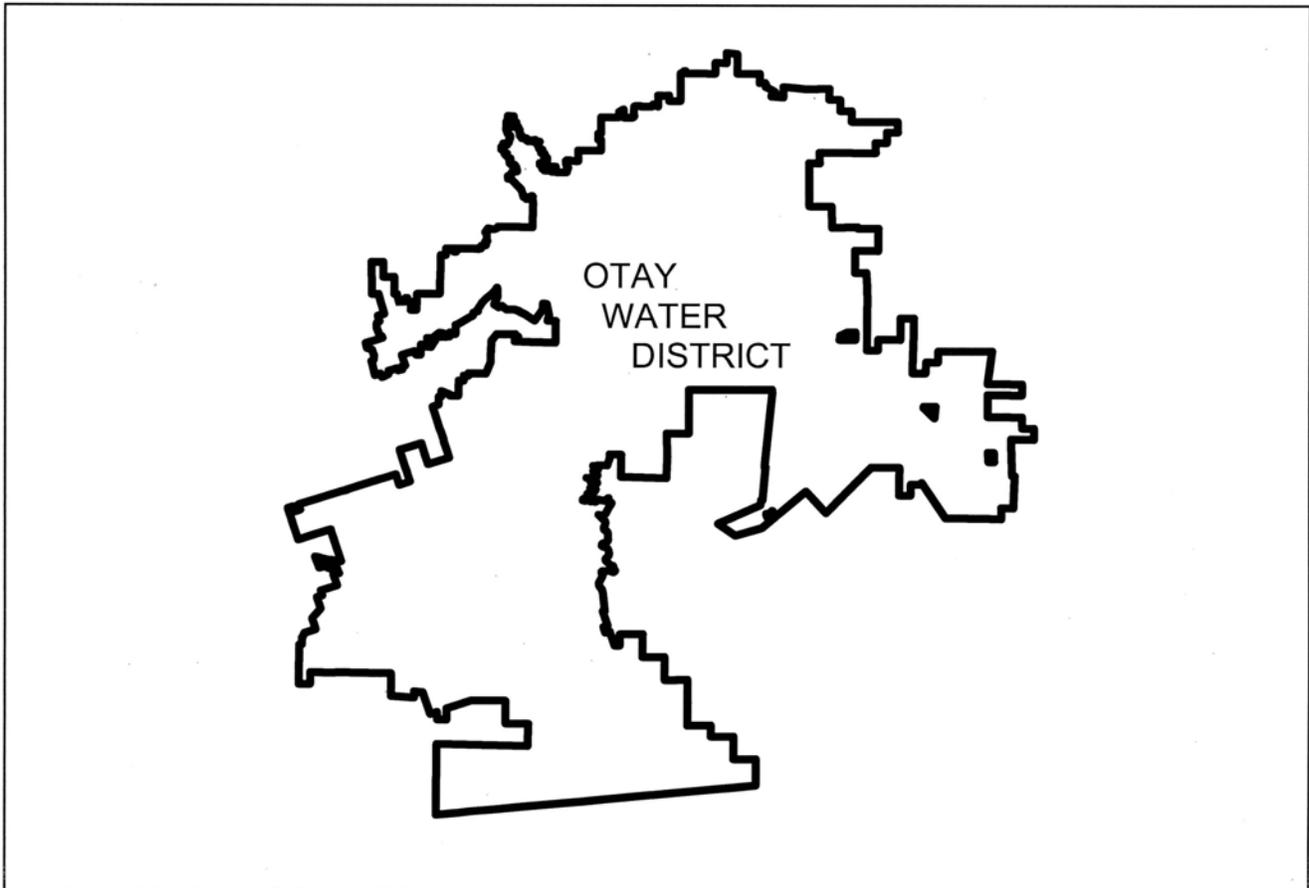
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2015	6/30/2017	\$115

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/6/2015

PROJECT TITLE: Metro Ethernet Implementation/ District Facilities - Pilot	CIP Number: P2569
PROJECT MANAGER: Michael Kerr	DIRECTOR DIVISION: 0
ORIGINAL APPROVED DATE:	I.D. LOCATION: District Wide
RELATED CIP PROJECTS:	PRIORITY: 2
	BUDGET AMOUNT: \$100,000

DESCRIPTION OF PROJECT:
 Implementation of Metro Ethernet to Otay Water District Facilities.

JUSTIFICATION OF PROJECT:

The District currently uses Firetide, Inc., as its wireless technology solution to provide data communication to monitor its supervisory control and data acquisition (SCADA) system. The current environment is supported by a third party vendor, Day Wireless. Currently, the District relies on this technology as its main source of information, however, this solution has been inconsistent for the past 12 to 18 months, numerous manhours, extensive troubleshooting, and vendor involvement hve been the key to maintaining the system with a Band-Aid approach.

Metro-E technology is cost-effective, consistent, scalable, and also has bandwidth management monitoring, thereby, minimizing staff's efforts in extensive troubleshooting. The design of the Metro-E solution will provide elevated security and offer continuous availability for the District's business continuity efforts. Data will be securely transported within a private network that will be accessible by District staff only. This new wired technology will also minimize manhours necessary to support this solution and give the District added value in reliability and sustainability. Other factors in requesting a change in technology in support of SCADA includes, decreased maintenance costs, Quality of Service (QOS), increased utilization, limitation of vulnerabilities, encryption of sensitive data and business continuity.

This project will span the course of 1 year with focus on the District's high priority facilities and other facilities necessary for a successful project.

This CIP (Pilot) will cover 6 to 7 sites over a span of 1 year to determine future costs necessary for the project.

Cost - \$100,000

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$0	\$100	\$0	\$0	\$0	\$0	\$100

CIP Number: P2569

PROJECT SCHEDULE:

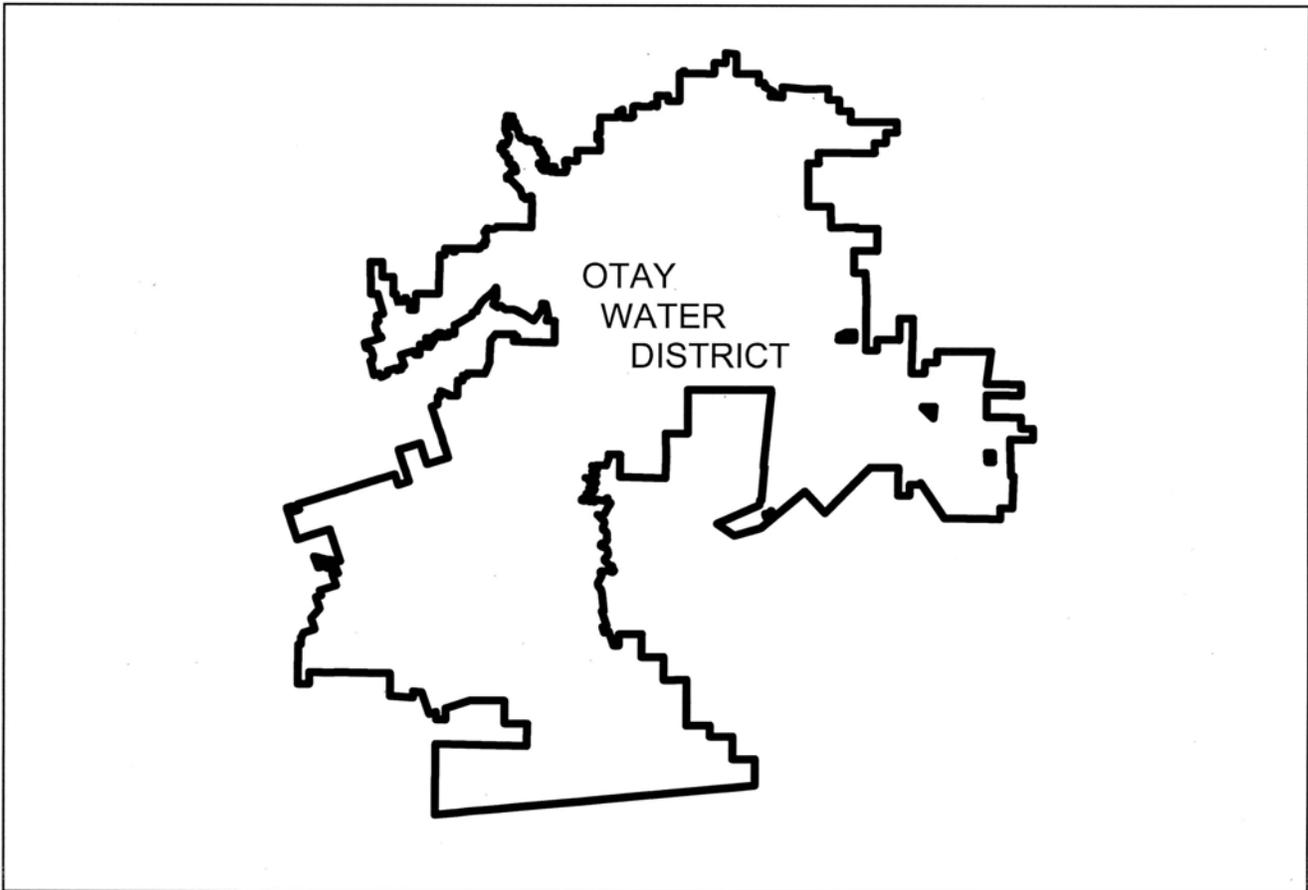
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	6/30/2016	\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2015	6/30/2016	\$100

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: SCADA Equipment & Infrastructure Enhancement

CIP Number: P2570

DIRECTOR DIVISION: 0

PROJECT MANAGER: Michael Kerr

I.D. LOCATION: District Wide

ORIGINAL APPROVED DATE: 7/1/2017

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$300,000

DESCRIPTION OF PROJECT:

SCADA Equipment & Infrastructure Enhancement.

JUSTIFICATION OF PROJECT:

SCADA equipment and infrastructure requires replacement and enhancement to effectively manage the District's operational 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							
TOTAL	2016	2017	2018	2019	2020	2021	Total	
	\$0	\$0	\$100	\$100	\$100	\$0	\$0	\$300

CIP Number: P2570

PROJECT SCHEDULE:

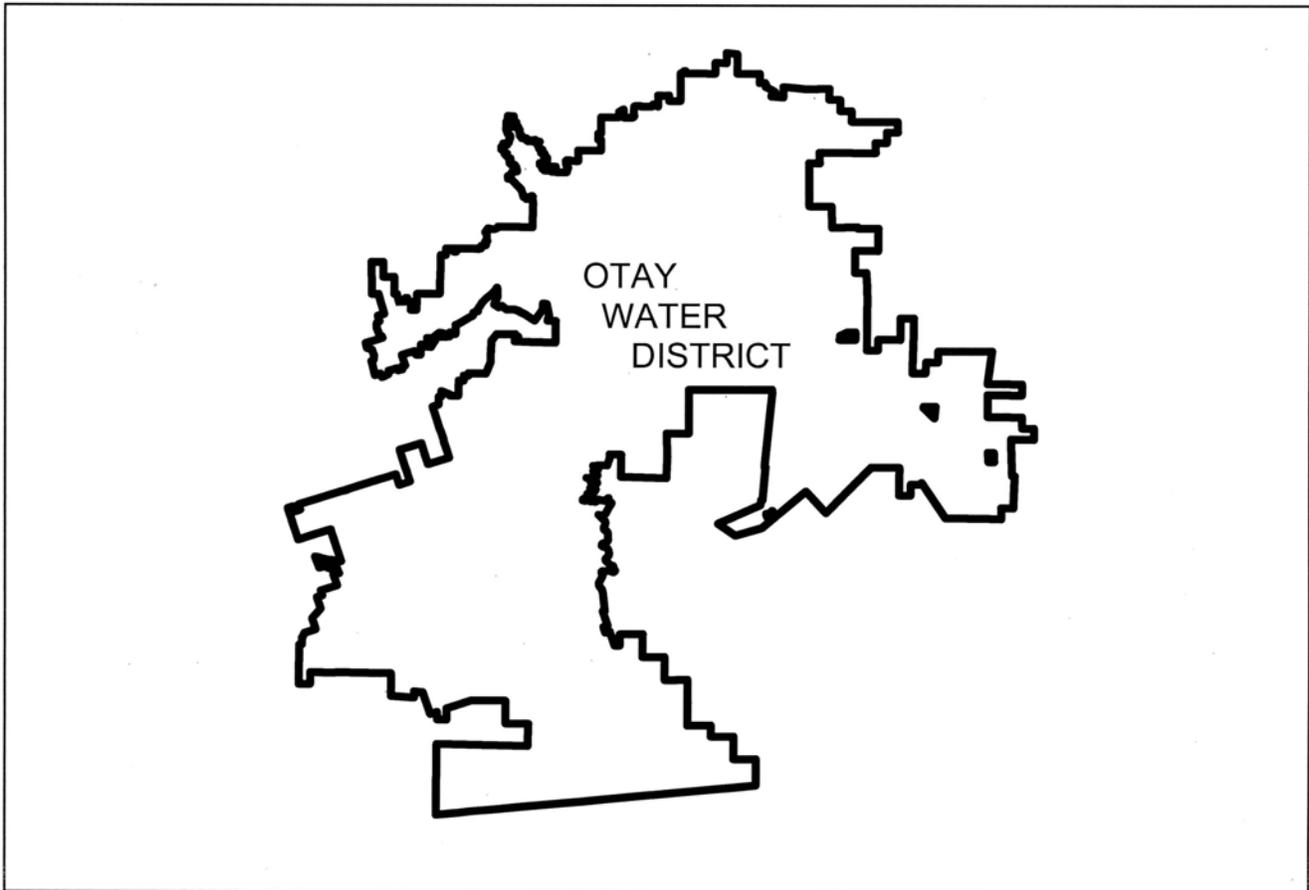
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2016	6/30/2019	\$300

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book:



Submitted By: Rita Bell

Date: 5/8/2015

PROJECT TITLE: Datacenter Network Enhancement & Replacement of Infrastructure Components

CIP Number: P2571

PROJECT MANAGER: Michael Kerr

DIRECTOR DIVISION: 0

ORIGINAL APPROVED DATE: 7/7/2018

I.D. LOCATION: District Wide

RELATED CIP PROJECTS:

PRIORITY: 2

BUDGET AMOUNT: \$200,000

DESCRIPTION OF PROJECT:

Data Center Network Enhancement & Replacement of Infrastructure Components.

JUSTIFICATION OF PROJECT:

Data center network infrastructure is reaching the end of its service life. This project plans for enhancement and replacement.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$0	\$0	\$0	\$100	\$100	\$0	\$200

CIP Number: P2571

PROJECT SCHEDULE:

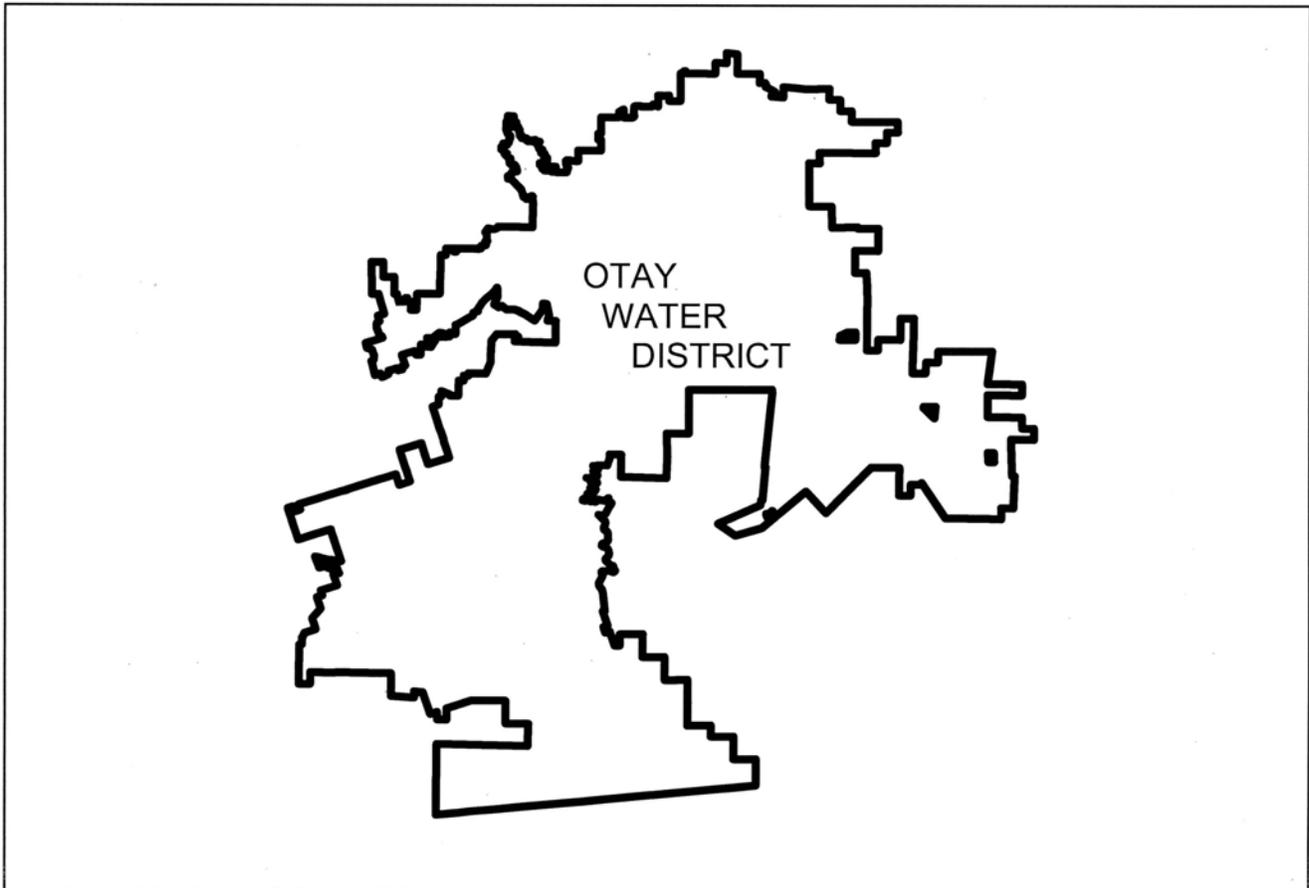
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2018	6/30/2020	\$200

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: Enterprise Resource Planning (ERP) Replacement		CIP Number: P2572					
PROJECT MANAGER: Micheal Kerr		DIRECTOR DIVISION: 0		I.D. LOCATION: District Wide			
ORIGINAL APPROVED DATE: 7/1/2020		PRIORITY: 3		BUDGET AMOUNT: \$500,000			
RELATED CIP PROJECTS:							
DESCRIPTION OF PROJECT:							
Enterprise Resource Planning Replacement.							
JUSTIFICATION OF PROJECT:							
Based on preliminary road maps from the current vendor, staff anticipates that the current ERP system, Eden, will become inflexible and constricted with new systems on the horizon. Staff is presently identifying key core business processes in achieving improvements in productivity and quality. Staff also anticipates that the outcome of the workshops will recognize that Eden will lack the necessary functionality, business agility, flexibility, and technology necessary for the District's overall growth.							
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	2016	2017	2018	2019	2020	2021	Total
	\$0	\$0	\$0	\$0	\$0	\$250	\$250

CIP Number: P2572

PROJECT SCHEDULE:

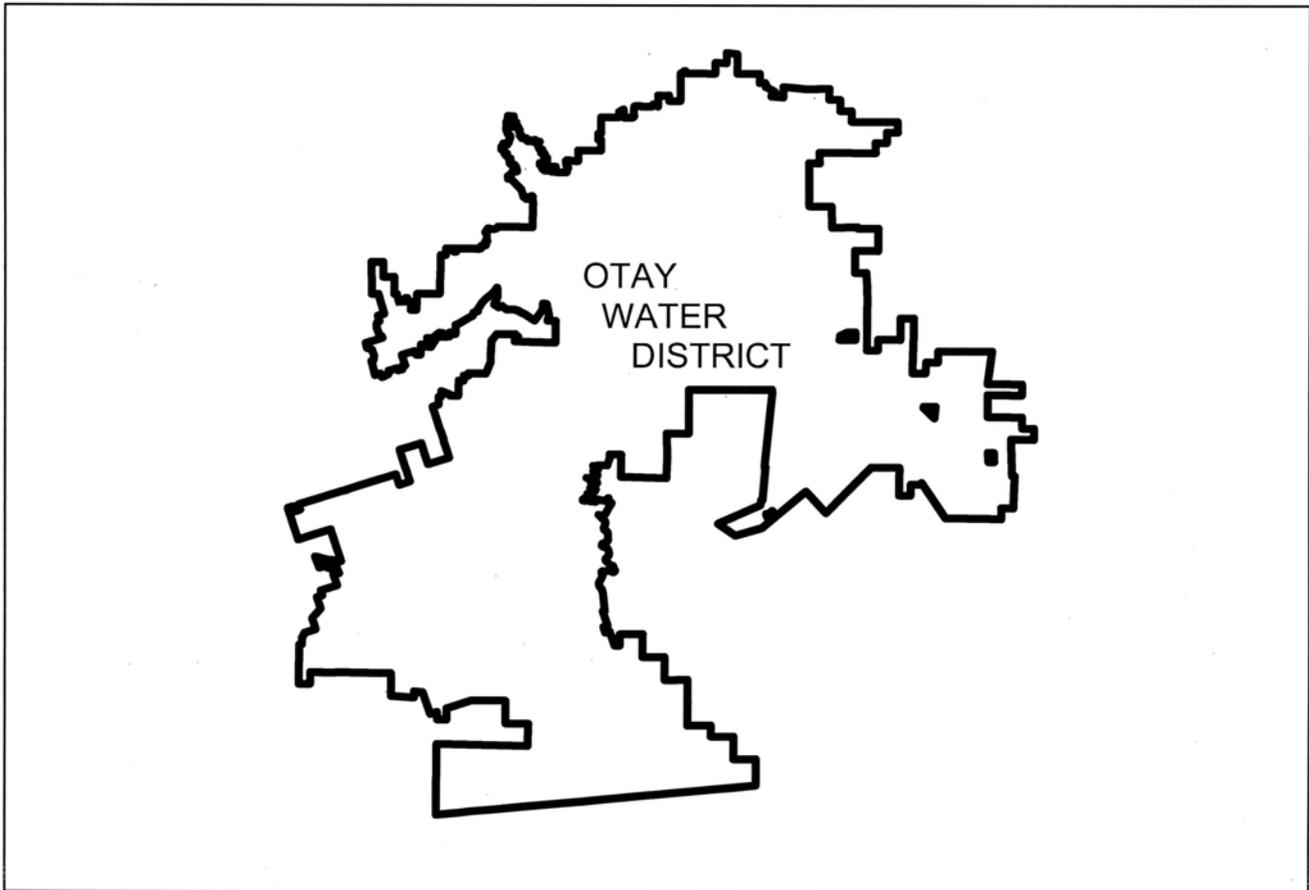
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2020	6/30/2022	\$0

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/11/2015

PROJECT TITLE: RecPL - 24-Inch, 860 Zone, Alta Road - Alta Gate/Airway		CIP Number: R2077	
		DIRECTOR DIVISION:	2
PROJECT MANAGER:	Stephen Beppler	I.D. LOCATION:	22
ORIGINAL APPROVED DATE:	5/23/2006	PRIORITY:	4
RELATED CIP PROJECTS:	R2048, R2058, R2087	BUDGET AMOUNT:	\$4,500,000

DESCRIPTION OF PROJECT:

Construction of approximately 9,300 feet of 24-inch pipeline within the 860 Pressure Zone in Alta Road from the Alta Gate location to Airway Road. Portions of this project are being built by Developers through reimbursement agreements. The balance of 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:

Temporary moratorium enacted for Otay Mesa recycled water in July 2014, will be revisited in about a year. In the meanwhile, putting a hold on all recycled water projects in Otay Mesa.

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	2016	2017	2018	2019	2020	2021	Total
	\$2,805	\$5	\$20	\$20	\$0	\$0	\$0
	\$5	\$20	\$20	\$0	\$0	\$0	\$2,850

CIP Number: R2077

PROJECT SCHEDULE:

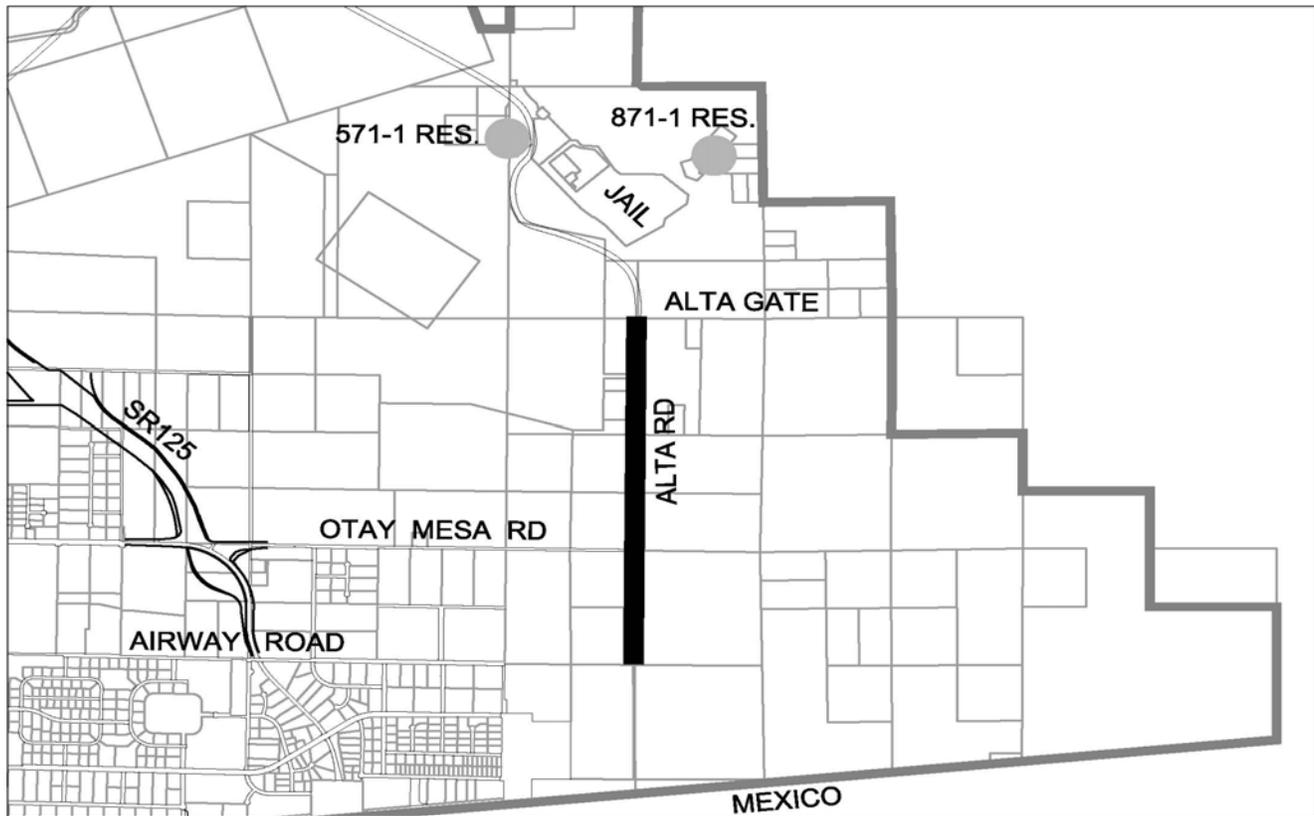
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2001	12/1/2009	\$164
DESIGN:	1/1/2010	6/30/2019	\$451
CONSTRUCTION:	7/1/2019	12/31/2020	\$3,885

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 39



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: RWCWRF Screening Compactor and Chlorine Injectors Enclosure

CIP Number: R2107

PROJECT MANAGER: Jake Vaclavek

DIRECTOR DIVISION: 3

ORIGINAL APPROVED DATE: 5/15/2011

I.D. LOCATION: 22

RELATED CIP PROJECTS:

PRIORITY: 2

BUDGET AMOUNT: \$215,000

DESCRIPTION OF PROJECT:

Install screening compactor at the RWCWRF headwork, repair concrete supports at headwork, 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:

Added \$78,000 to FY15 for purchase and installation of a redundant compactor for reliability.

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$208	\$7	\$0	\$0	\$0	\$0	\$215

CIP Number: R2107

PROJECT SCHEDULE:

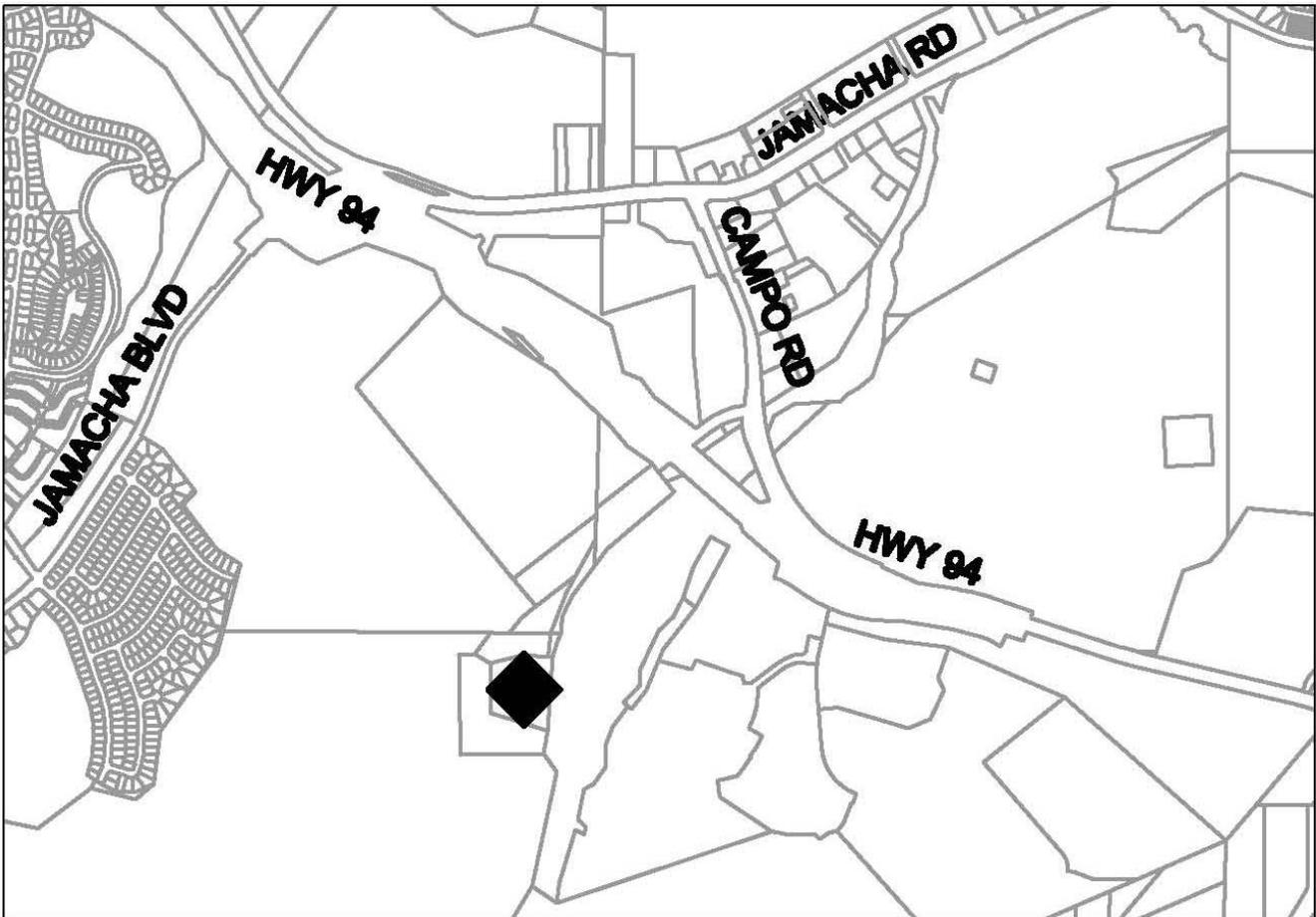
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2012	12/31/2015	\$215

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 319



Submitted By: Jolene Fielding

Date: 5/7/2015

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: \$1,090,000

DESCRIPTION OF PROJECT:

This project is for the replacement of the existing membrane floating cover and liner with a new membrane system.

JUSTIFICATION OF PROJECT:

The existing membrane floating cover and liner have reached the end of their useful lives and require replacement to meet regulatory requirements.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$1,080	\$10	\$0	\$0	\$0	\$0	\$1,090

CIP Number: R2108

PROJECT SCHEDULE:

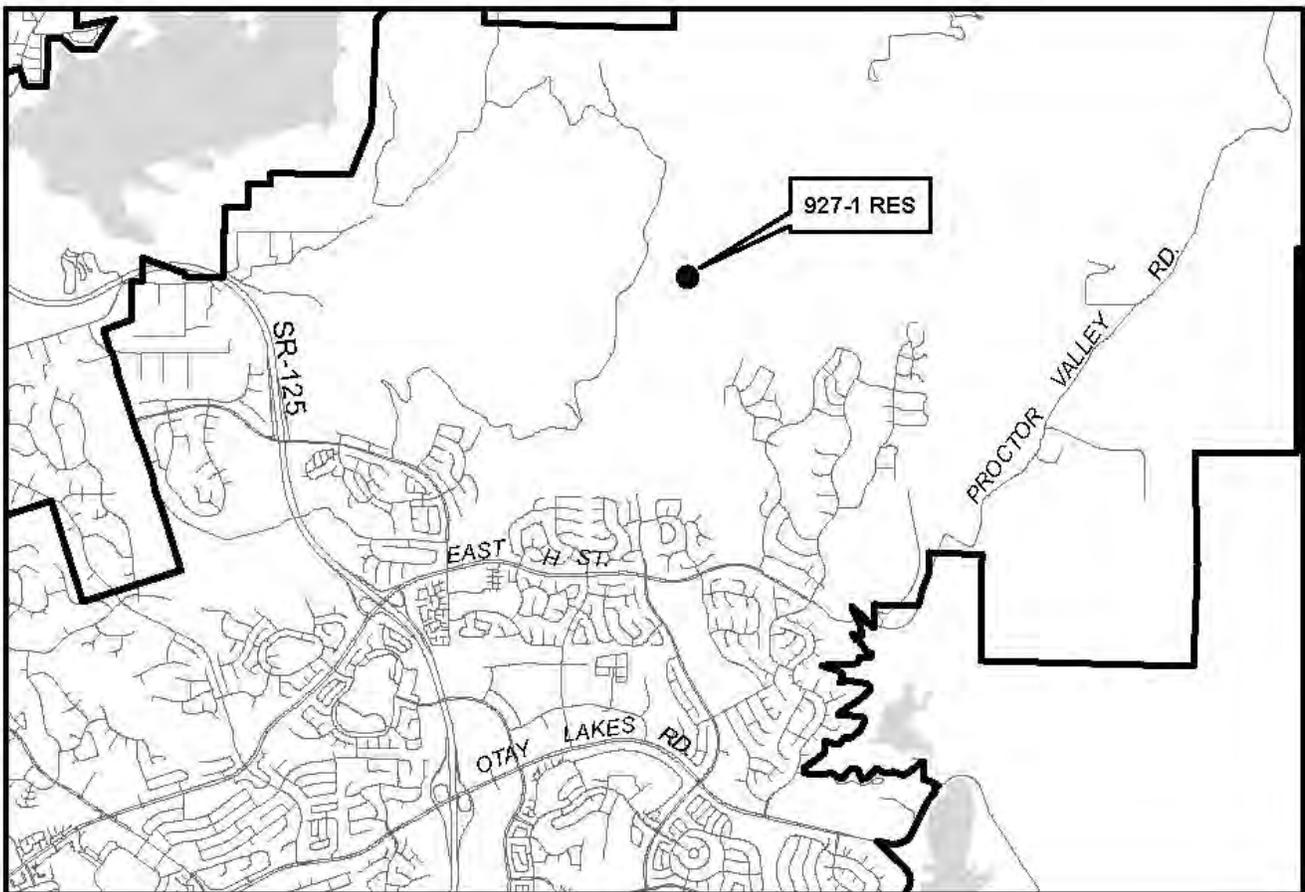
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2013	8/1/2013	\$5
DESIGN:	7/1/2013	11/6/2013	\$75
CONSTRUCTION:	11/6/2013	6/30/2016	\$1,010

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 172



Submitted By: OTAY\Jeff.Marchioro

Date: 5/6/2015

PROJECT TITLE: RecPS - 944-1 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: \$200,000

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 with higher pressure class saddles. Add sump pump to an existing pressure reducing station vault located east of the intersection of Otay Lakes Road and Hunte Parkway.

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. Retrofitting the PRS vault with a sump pump will prolong the life expectancy of existing pressure reducing station components.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$78	\$25	\$5	\$92	\$0	\$0	\$200

CIP Number: R2110

PROJECT SCHEDULE:

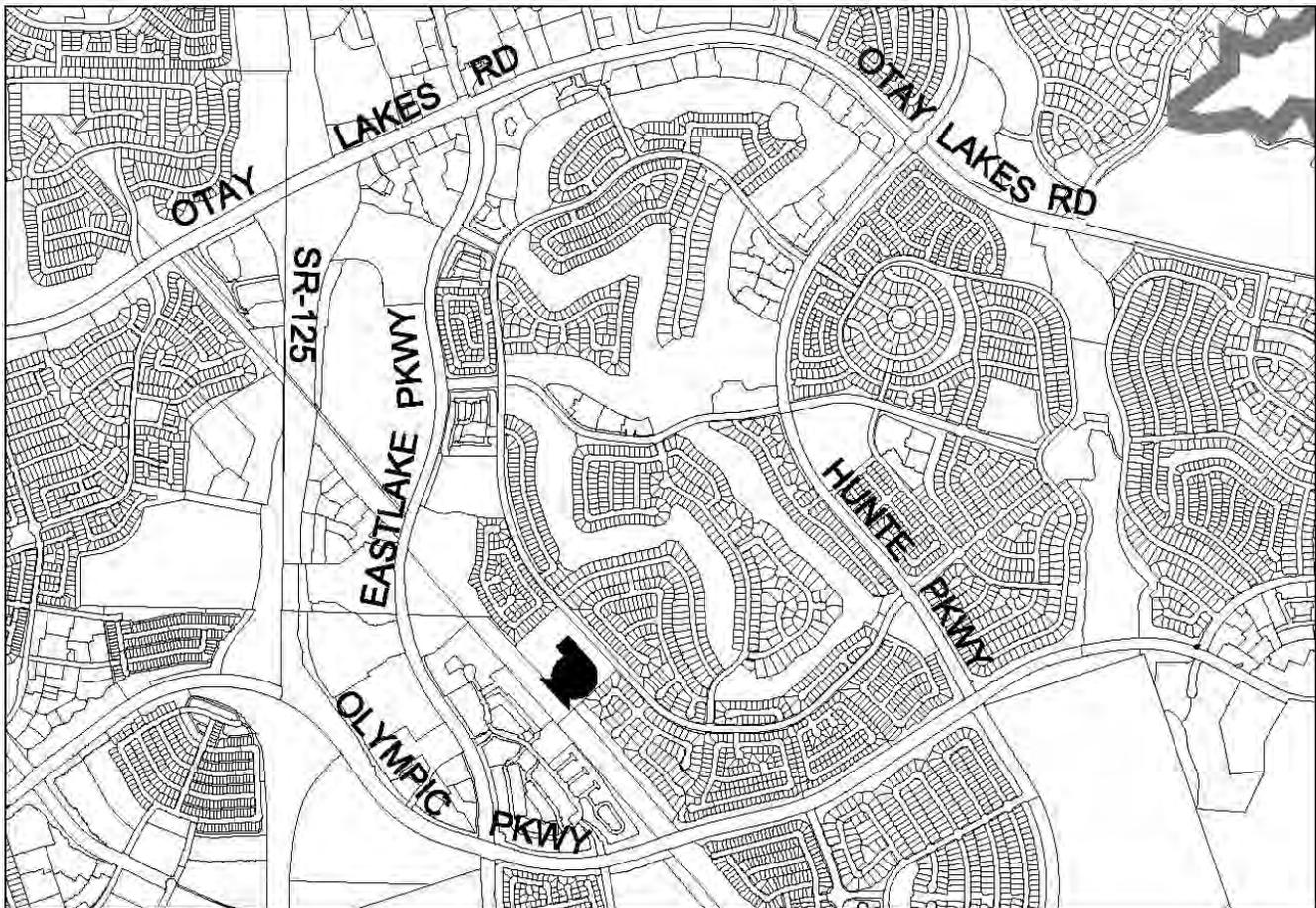
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2013	10/1/2013	\$60
DESIGN:	10/1/2013	9/30/2015	\$25
CONSTRUCTION:	9/30/2015	6/30/2018	\$115

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 115



Submitted By: OTAY\Jeff.Marchioro

Date: 5/6/2015

PROJECT TITLE: Large Recycle Pump Replacement at the RWCWRF 927-1 Pump Station	CIP Number: R2114																								
PROJECT MANAGER: Don Anderson	DIRECTOR DIVISION: 3																								
ORIGINAL APPROVED DATE:	I.D. LOCATION: 22																								
RELATED CIP PROJECTS:	PRIORITY: 1																								
	BUDGET AMOUNT: \$120,000																								
DESCRIPTION OF PROJECT: Replace large recycle pumps.																									
JUSTIFICATION OF PROJECT: Pumps are old and corroded and have lost efficiency.																									
COMMENTS:																									
FUND DETAILS:																									
FUNDING SOURCE:	<table border="0" style="width: 100%;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%; text-align: center;">Expansion</td> <td style="width: 15%; text-align: center;">Betterment</td> <td style="width: 15%; text-align: center;">Replacement</td> <td style="width: 15%; text-align: center;">New Water Supply</td> <td style="width: 15%; text-align: center;">Total</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;">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> </table>		Expansion	Betterment	Replacement	New Water Supply	Total	Replacement	0 %	0 %	100 %	0 %	100 %	TOTAL:	0 %	0 %	100 %	0 %	100 %						
	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:	<table border="0" style="width: 100%;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%; text-align: center;">FY</td> </tr> <tr> <td>TOTAL</td> <td style="text-align: center;">2016</td> <td style="text-align: center;">2017</td> <td style="text-align: center;">2018</td> <td style="text-align: center;">2019</td> <td style="text-align: center;">2020</td> <td style="text-align: center;">2021</td> <td style="text-align: center;">Total</td> </tr> <tr> <td></td> <td style="text-align: center;">\$80</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;">\$0</td> <td style="text-align: center;">\$120</td> </tr> </table>		FY	FY	FY	FY	FY	FY	FY	TOTAL	2016	2017	2018	2019	2020	2021	Total		\$80	\$40	\$0	\$0	\$0	\$0	\$120
	FY	FY	FY	FY	FY	FY	FY																		
TOTAL	2016	2017	2018	2019	2020	2021	Total																		
	\$80	\$40	\$0	\$0	\$0	\$0	\$120																		

CIP Number: R2114

PROJECT SCHEDULE:

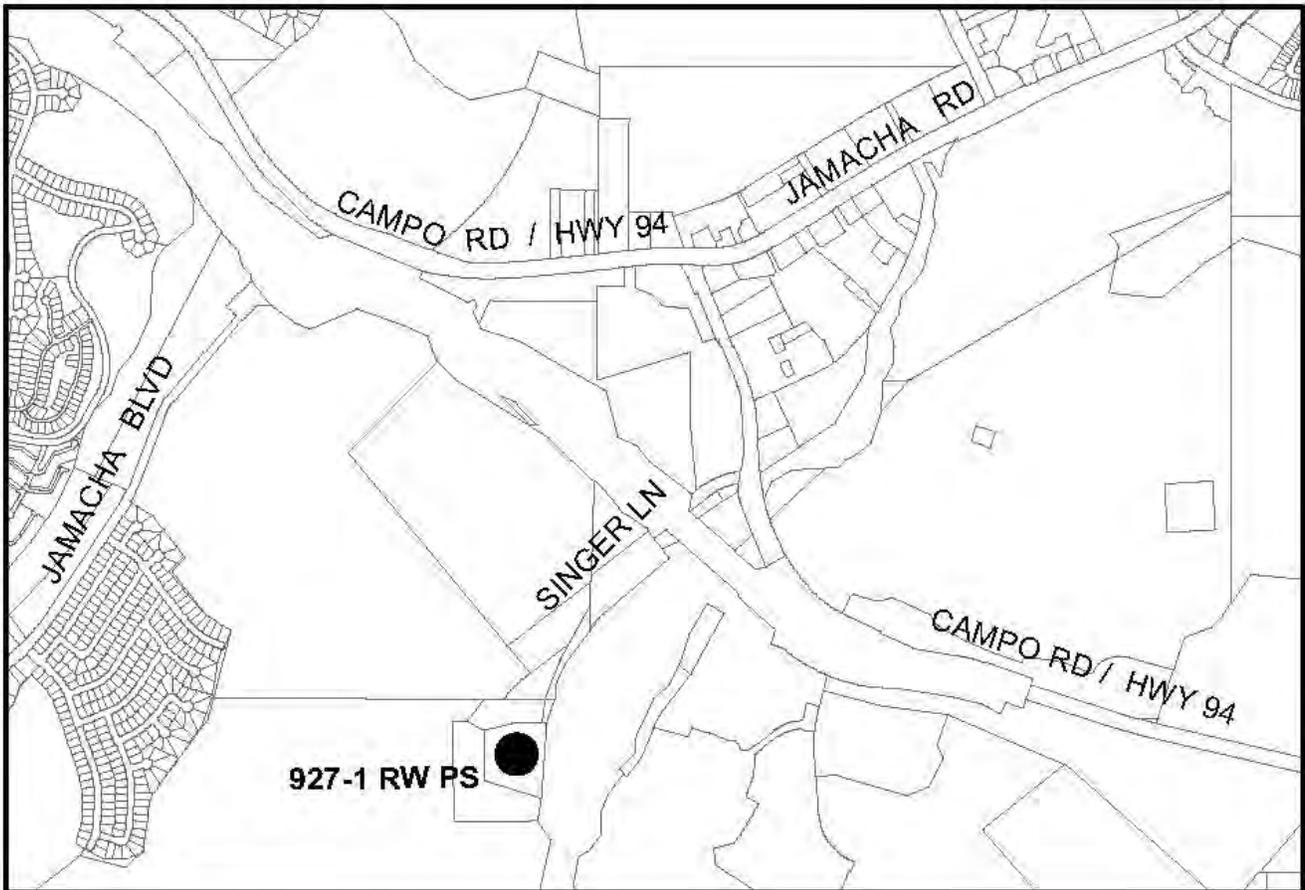
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2014	6/30/2016	\$120

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 319



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: RWCWRF Disinfection System Improvements		CIP Number: R2117	
		DIRECTOR DIVISION:	3
PROJECT MANAGER:	Stephen Beppler	I.D. LOCATION:	22
ORIGINAL APPROVED DATE:		PRIORITY:	2
RELATED CIP PROJECTS:		BUDGET AMOUNT:	\$2,500,000

DESCRIPTION OF PROJECT:

The RWCWRF does not have adequate chlorine contact basin volume to meet the San Diego RWQCB requirement for chlorine contact time (CT) for the recycled water produced from this facility, so it subsequently needs to use the 14-inch effluent force main to obtain the required CT. It is believed that the high chlorine dosage needed with this arrangement is adversely impacting the force main, its appurtenances, and the reservoir liners. If CT can be met within the plant, the chlorine residual leaving the plant can be lowered substantially. Alternatives being evaluated include additional contact basin volume, changing to ultraviolet (UV) disinfection and other options.

JUSTIFICATION OF PROJECT:

The District currently uses the existing 14-Inch CML force main to meet the required chlorine contact time resulting in a higher corrosion rate for facilities on this pipeline. Increasing the size of the chlorine contact basin or switching to another disinfection method at the RWCWRF will extend the useful life of the force main and reservoir liners.

COMMENTS:

Improvement options include changing to UV disinfection in addition to increasing contact time at the plant.

FUND DETAILS:					
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Betterment ID 22	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	2016	2017	2018	2019	2020	2021	Total
	\$90	\$110	\$1,100	\$1,100	\$100	\$0	\$2,500

CIP Number: R2117

PROJECT SCHEDULE:

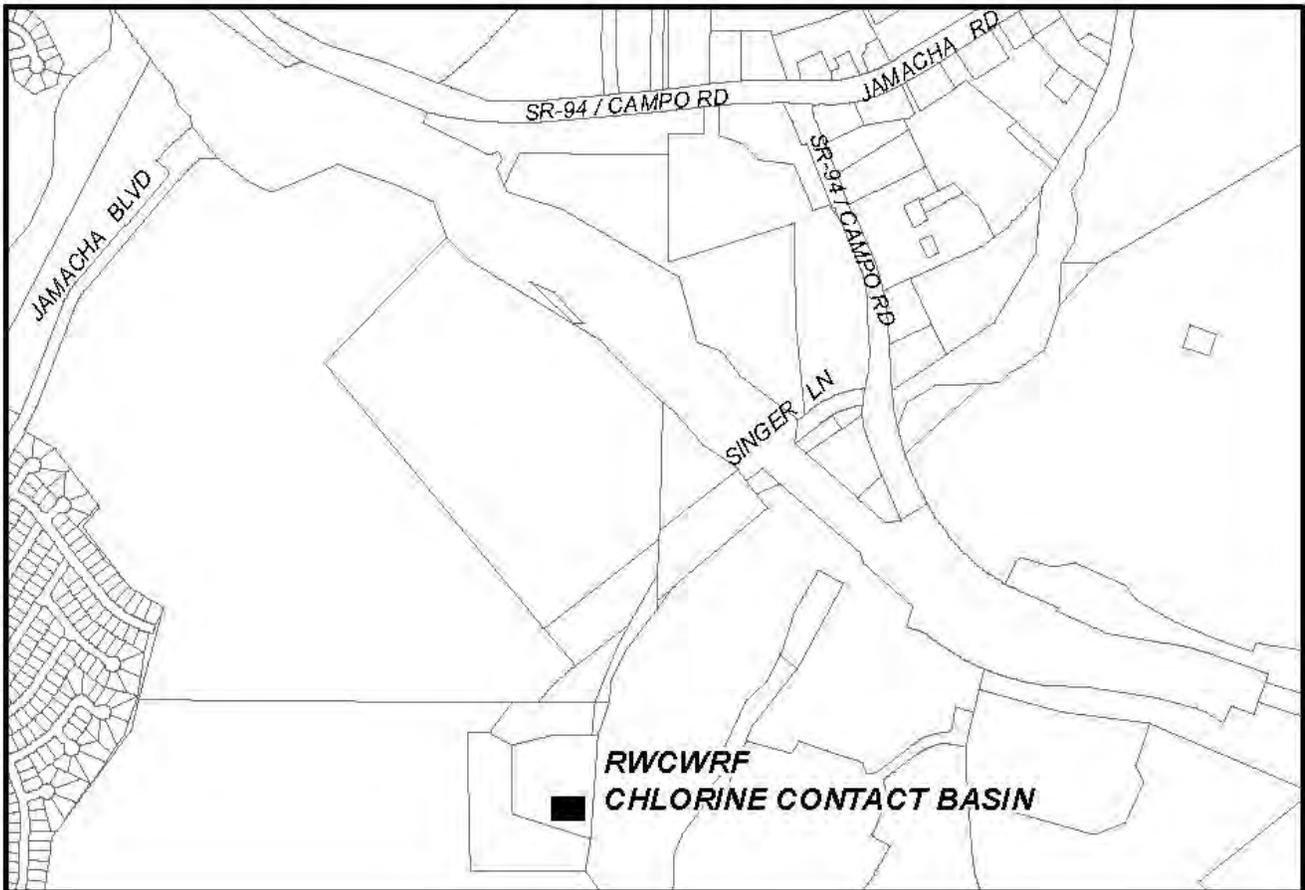
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	12/31/2015	\$100
DESIGN:	1/1/2016	12/31/2016	\$250
CONSTRUCTION:	1/1/2017	6/30/2019	\$2,150

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 319



Submitted By: Bob Kennedy

Date: 8/18/2015

PROJECT TITLE: Steele Canyon Sewer PS Chopper Pump

CIP Number: R2118

DIRECTOR DIVISION: 3

PROJECT MANAGER: Stephen Beppler

I.D. LOCATION: 18

ORIGINAL APPROVED DATE:

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$40,000

DESCRIPTION OF PROJECT:

Installation of a recirculating chopper pump in the Steele Bridge SPS wet well to protect the sewage pumps from assorted debris. The existing pumps have been requiring a high frequency of repairs and replacement of parts due to rags, construction materials, and other non-typical wastewater solids entering the pump station. The new chopper pump is designed to handle these types of materials and will also eliminate the buildup of settled matter within the wet well.

JUSTIFICATION OF PROJECT:

The new chopper pump will result in few maintenance repairs and extend the life of the sewage pumps. Based upon the current frequency and cost of maintenance of the sewage pumps, the chopper pump addition should pay for itself within a few years.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$0	\$40	\$0	\$0	\$0	\$0	\$40

CIP Number: R2118

PROJECT SCHEDULE:

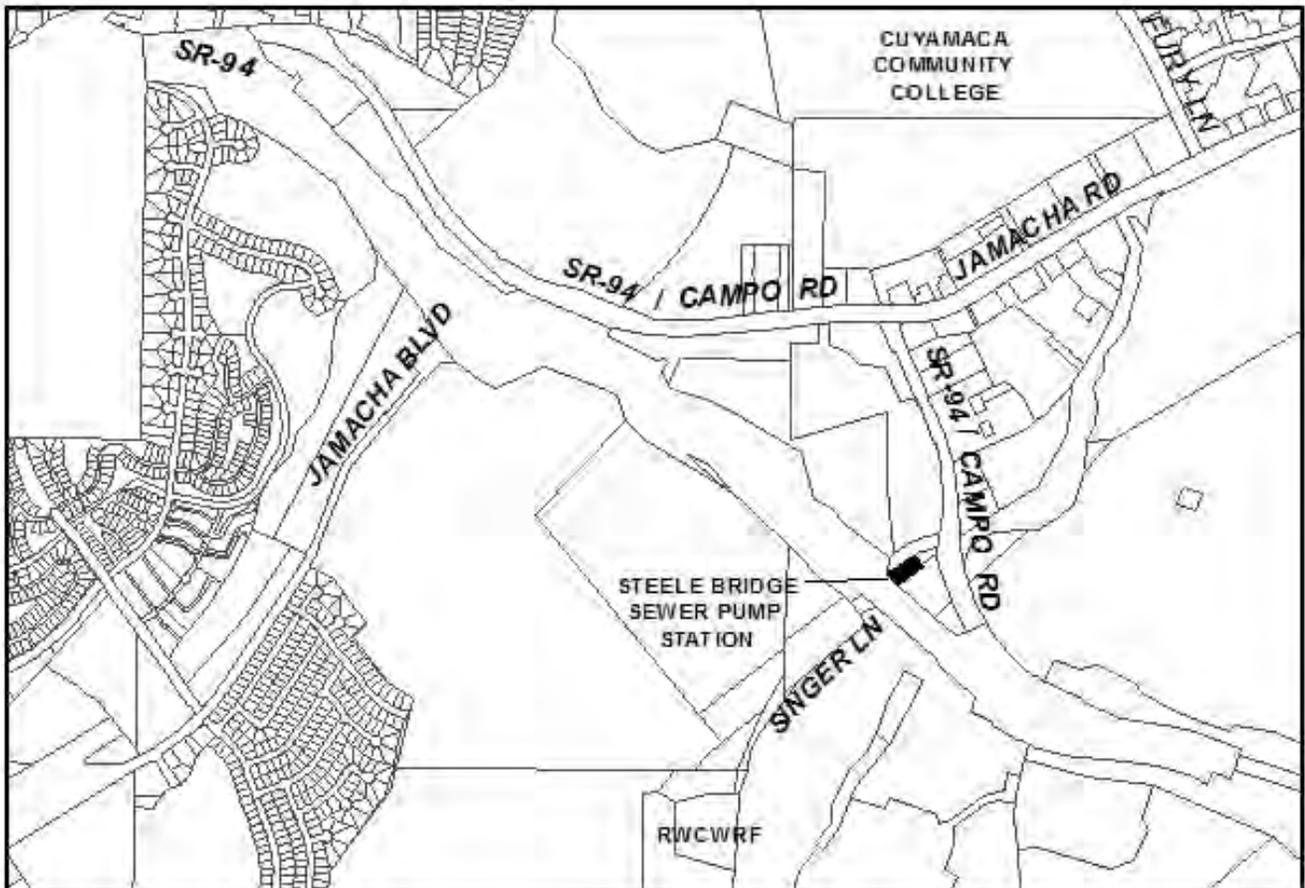
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	7/31/2015	\$2
DESIGN:	8/3/2015	9/30/2015	\$5
CONSTRUCTION:	10/1/2015	2/29/2016	\$33

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 331



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: Treatment Plant Automation & Security Upgrades

CIP Number: R2119

DIRECTOR DIVISION: 3

PROJECT MANAGER: Stephen Beppler

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 0

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$200,000

DESCRIPTION OF PROJECT:

Identify and implement automation improvements at the RWCWRF to decrease operations staffing requirements and enhance the plant security features.

JUSTIFICATION OF PROJECT:

To reduce long-term operating costs of the Ralph W. Chapman Water Reclamation Facility, the District will implement automation to streamline operator labor requirements. In addition to the ability to monitor the treatment processes, the automation will also include security monitoring to ensure the protection of District facilities as well as ensure that future requirements associated with the on-site storage of chlorine gas are met.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$0	\$50	\$50	\$50	\$0	\$0	\$200

CIP Number: R2119

PROJECT SCHEDULE:

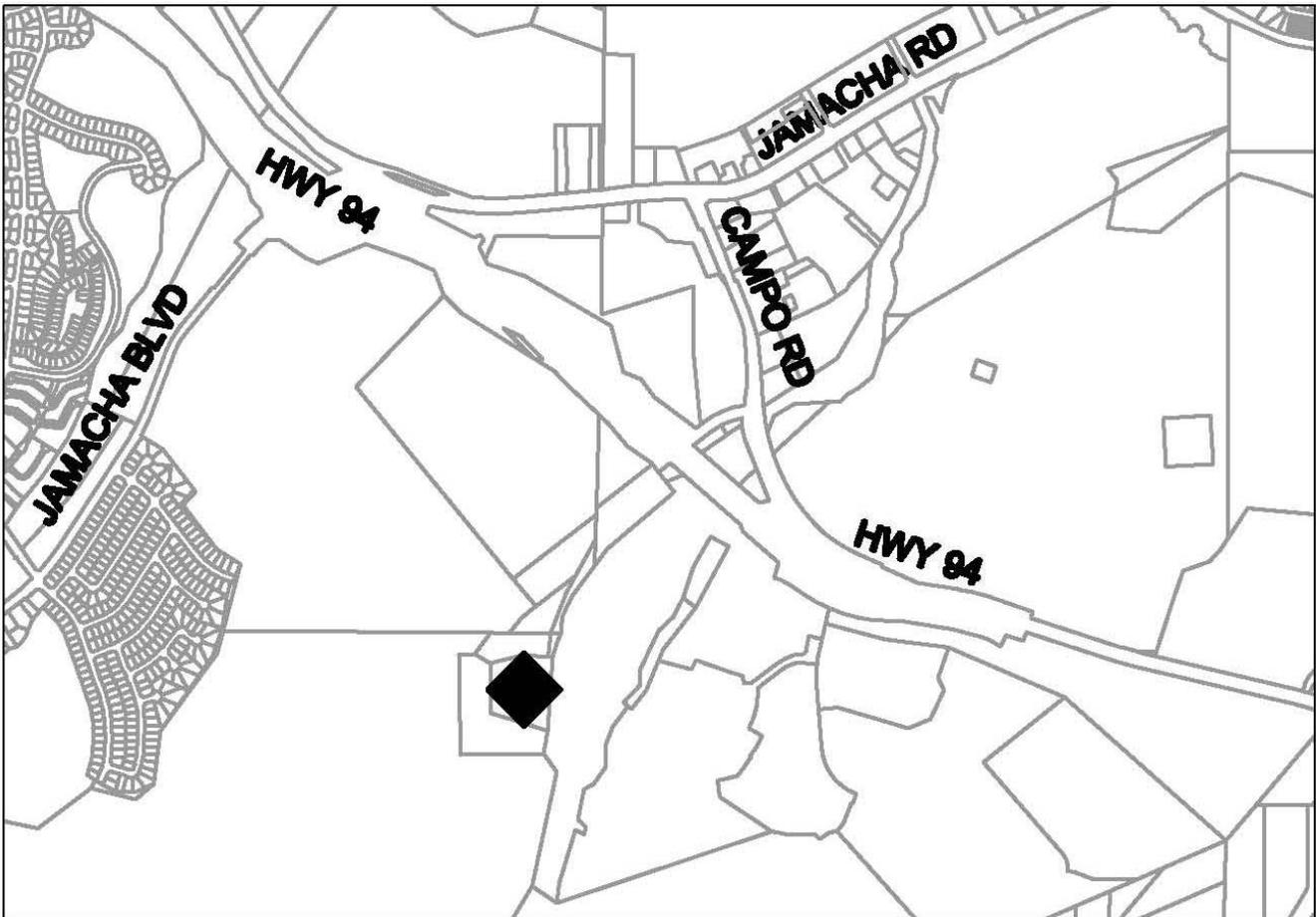
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	6/30/2016	\$50
DESIGN:	7/1/2016	6/30/2017	\$50
CONSTRUCTION:	7/1/2017	6/30/2019	\$100

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 319



Submitted By: Jolene Fielding

Date: 5/11/2015

PROJECT TITLE: Res - 944-1 Reservoir Cover/Liner Replacement

CIP Number: R2121

DIRECTOR DIVISION: 5

PROJECT MANAGER: Jeff Marchioro

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 2

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 lives and require replacement to meet regulatory requirements.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$0	\$25	\$1,375	\$0	\$0	\$0	\$1,400

CIP Number: R2121

PROJECT SCHEDULE:

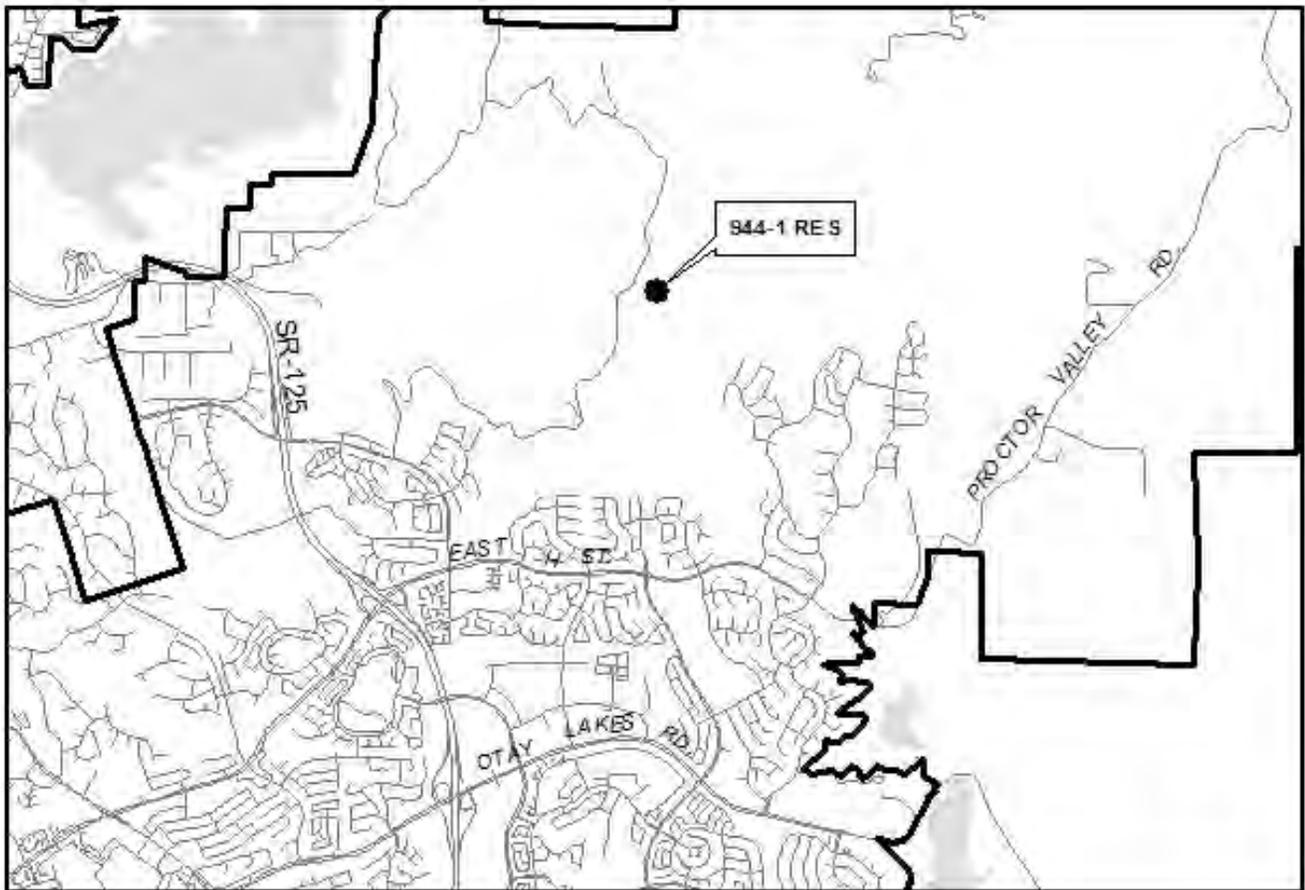
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	6/30/2016	\$10
DESIGN:	7/1/2016	6/30/2017	\$100
CONSTRUCTION:	7/1/2017	6/30/2018	\$1,290

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 172



Submitted By: Bob Kennedy

Date: 8/11/2015

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE: Emergency Recycled Water Fire Hydrant Installations	CIP Number: R2122
PROJECT MANAGER: Kevin Cameron	DIRECTOR DIVISION: 0
ORIGINAL APPROVED DATE: 7/1/2015	I.D. LOCATION: District Wide
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$75,000

DESCRIPTION OF PROJECT:
 This project will install 2-3 fire hydrants on the recycled water system for emergency fire suppression. The project includes meeting Title 22 requirements, establishing protocol, and site selection.

JUSTIFICATION OF PROJECT:
 Due to the Governor's mandate to reduce water use, CAL Fire has requested to use recycled water for emergency fire suppression.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$0	\$75	\$0	\$0	\$0	\$0	\$75

CIP Number: R2122

PROJECT SCHEDULE:

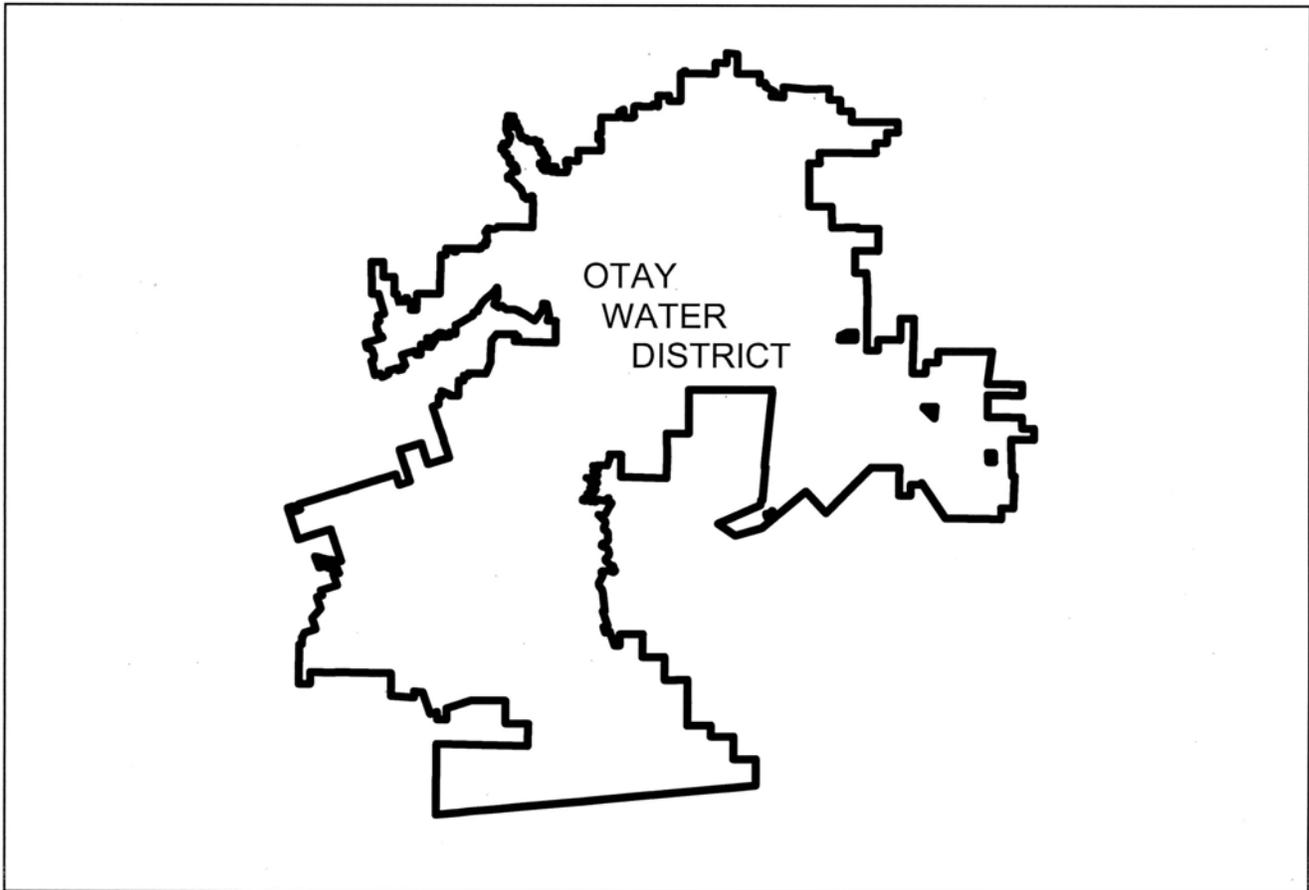
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	9/30/2015	\$15
DESIGN:	10/1/2015	3/31/2016	\$15
CONSTRUCTION:	4/1/2016	6/30/2016	\$45

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/11/2015

PROJECT TITLE: RWCWRF Sludge Handling System

CIP Number: S2043

DIRECTOR DIVISION: 3

PROJECT MANAGER: Stephen Beppler

I.D. LOCATION: 18

ORIGINAL APPROVED DATE: 5/14/2013

PRIORITY: 3

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						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$41	\$1	\$1	\$1	\$1	\$1	\$47

CIP Number: S2043

PROJECT SCHEDULE:

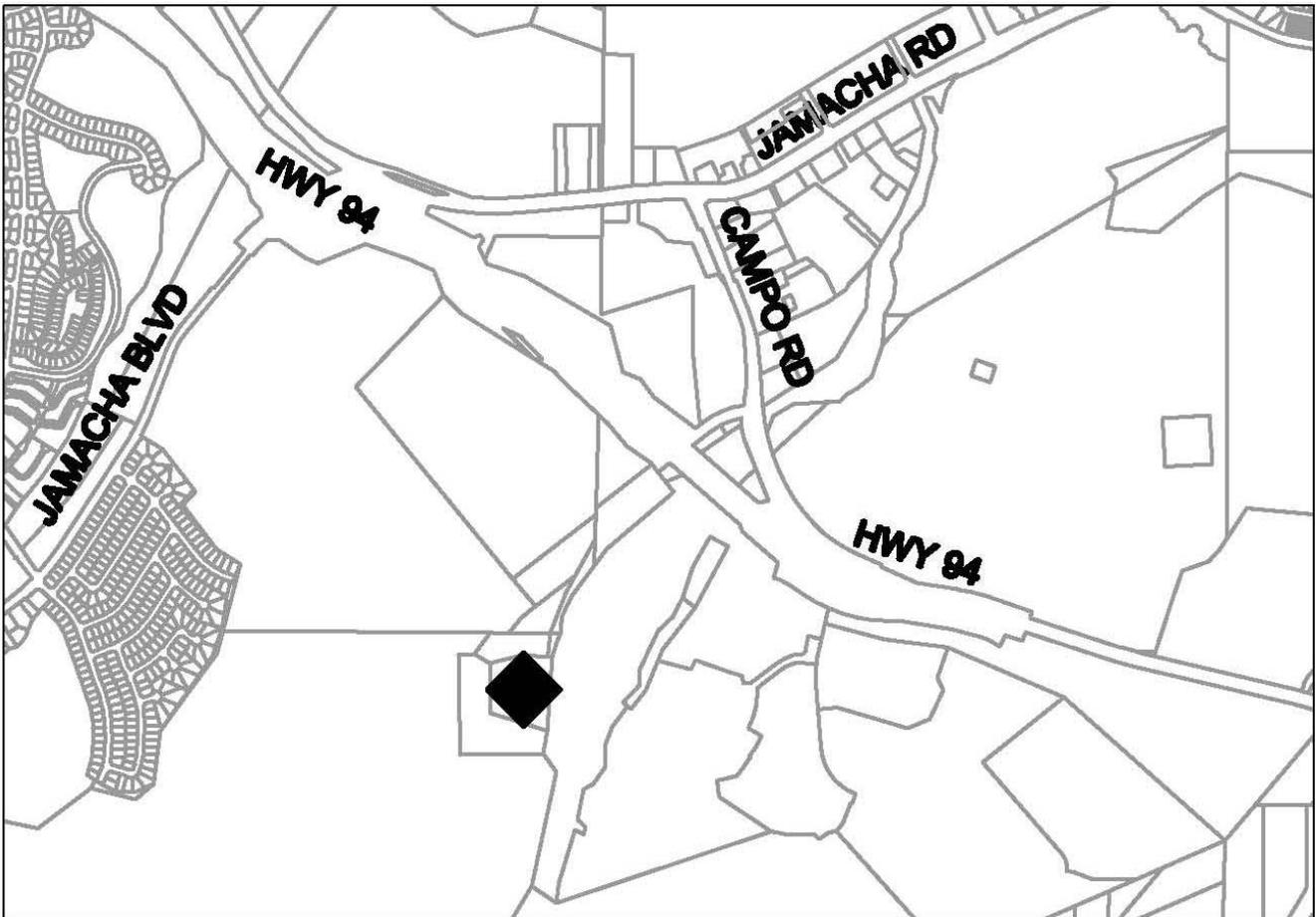
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2013	6/30/2022	\$75
DESIGN:	7/1/2022	6/30/2023	\$200
CONSTRUCTION:	7/1/2023	6/30/2024	\$1,225

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$10,000	\$10,000
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$10,000	\$10,000
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$10,000	\$10,000

PROJECT LOCATION:

OWD Map Book: 319



Submitted By: Jolene Fielding

Date: 5/7/2015

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE: Safety and Security Improvements	CIP Number: P2382
PROJECT MANAGER: Oscar Ramirez	DIRECTOR DIVISION: 0
ORIGINAL APPROVED DATE: 6/5/2002	I.D. LOCATION: District Wide
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$2,667,000

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. Fiscal Year 2016 will include initiating delivery of the following items:

- 1.- Operations bldg - installation of: gate, RFID and FOB access to separate and secure Ops/Shop areas from warehouse \$50K. Installation of protective gate at shops fuel truck area \$20K.
- 2.-Installation and basic upgrade of District facilities physical security burglar alarm panels to Digital Monitoring Systems (DMP) to ready sites for "ENTRE" enterprise security and access control management software \$120K.
- 3.-Installation of additional outer cameras, lighting, and perimeter beams at shop's yard area \$15K.
- 4.-Video verification systems upgrades from analog cameras to digital + add 1 Network Video Recorder \$45K.
- 5.-Intrusion and physical access entry alarm system installation and integration at District facilities \$50K.

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
Replacement	0 %	0 %	60 %	0 %	60 %
Expansion	40 %	0 %	0 %	0 %	40 %
TOTAL:	40 %	0 %	60 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$2,117	\$300	\$250	\$0	\$0	\$0	\$0
							\$2,667

CIP Number: P2382

PROJECT SCHEDULE:

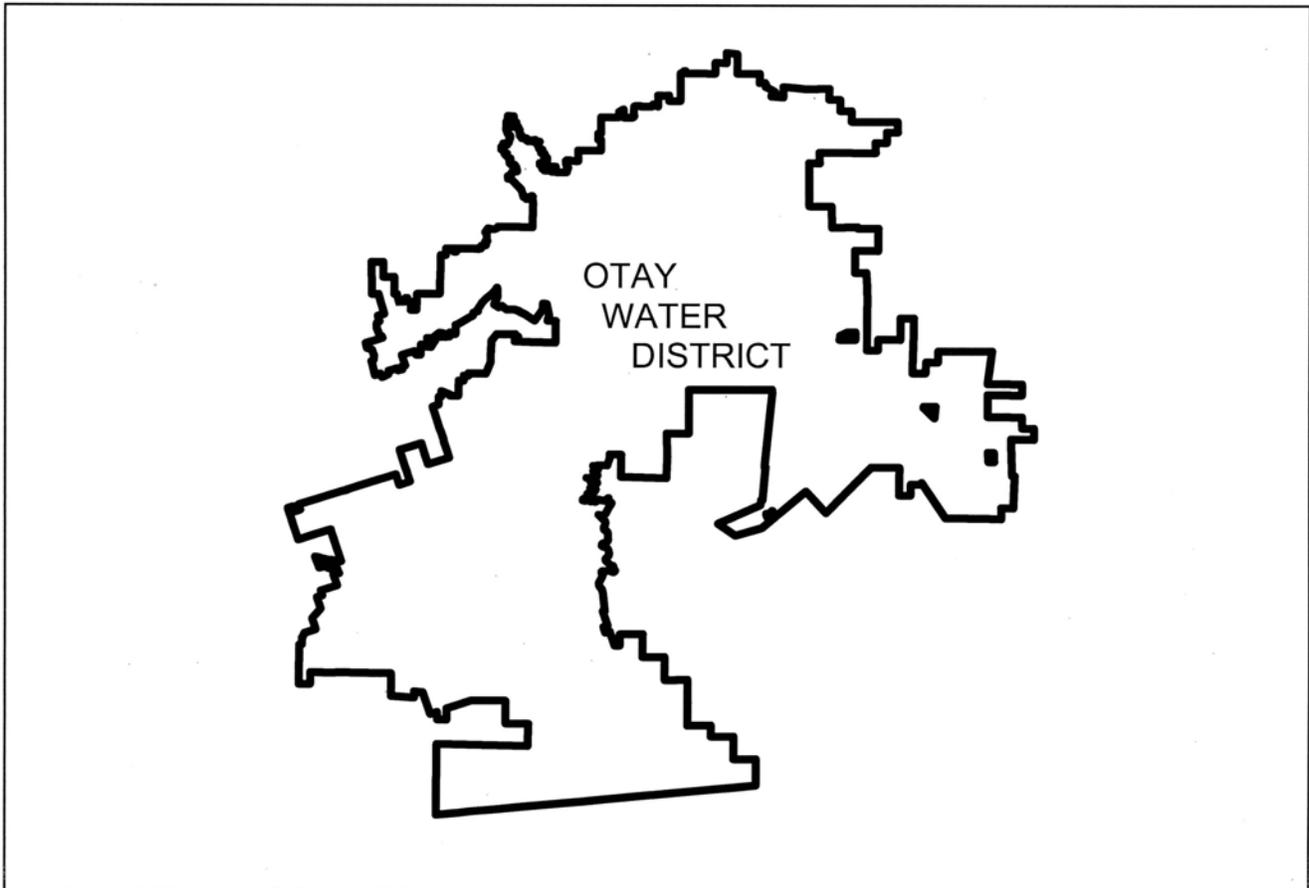
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2002	6/30/2017	\$62
DESIGN:	9/1/2003	6/30/2017	\$231
CONSTRUCTION:	1/1/2004	6/30/2017	\$2,374

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book:



Submitted By: Rita Bell

Date: 8/25/2015

PROJECT TITLE: SR-11 Utility Relocations

CIP Number: P2453

DIRECTOR DIVISION: 2

PROJECT MANAGER: Jeff Marchioro

I.D. LOCATION: 22

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						
TOTAL	2016	2017	2018	2019	2020	2021	Total
\$1,483	\$5	\$5	\$250	\$250	\$257	\$0	\$2,250

CIP Number: P2453

PROJECT SCHEDULE:

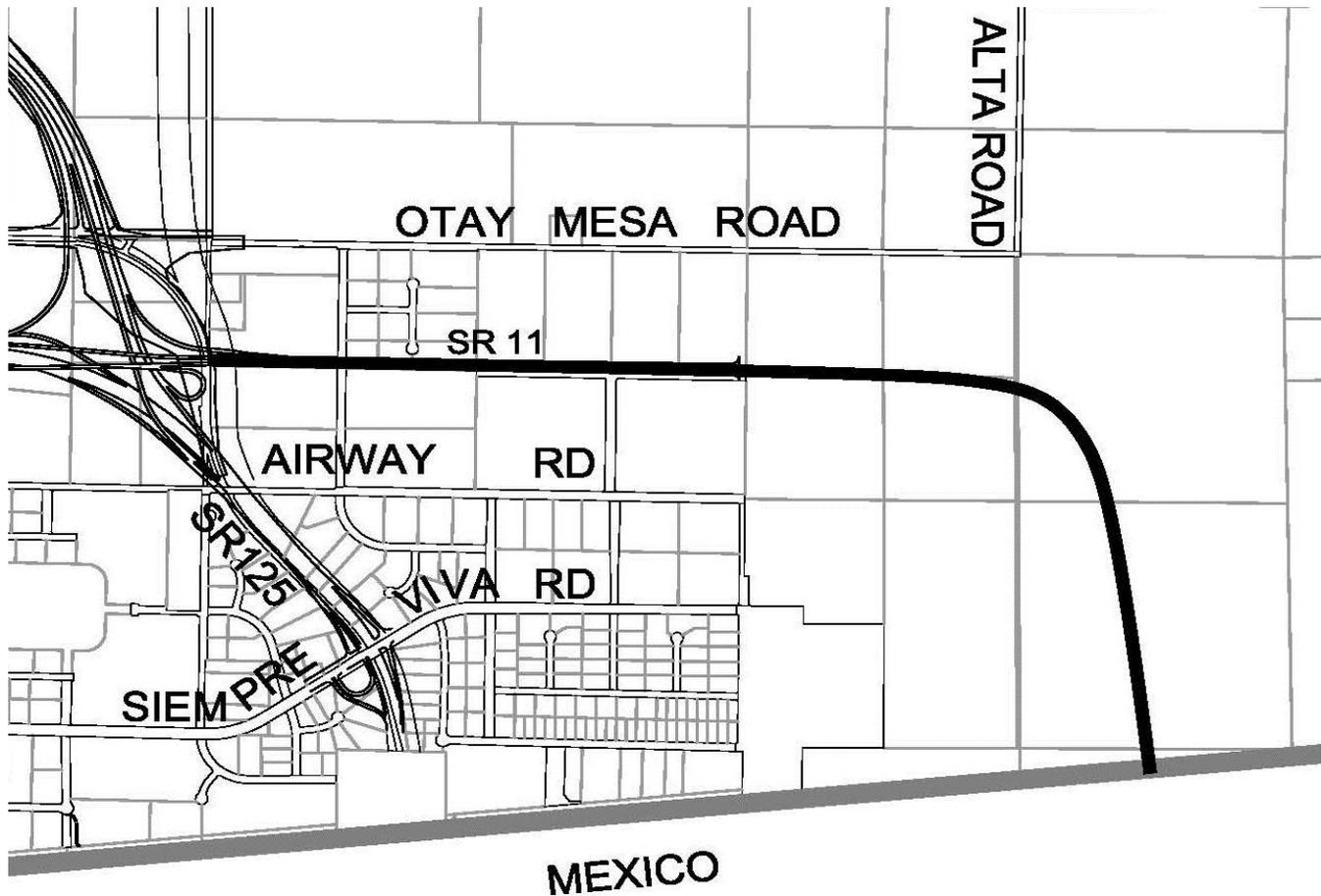
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2006	6/1/2016	\$20
DESIGN:	7/1/2009	6/30/2015	\$350
CONSTRUCTION:	1/8/2014	6/30/2020	\$1,880

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 5



Submitted By: OTAY\Jeff.Marchioro

Date: 5/7/2015

PROJECT TITLE: SCADA Communication System and Software Replacement		CIP Number: P2485						
PROJECT MANAGER: Adolfo Segura		DIRECTOR DIVISION: 0	I.D. LOCATION: District Wide					
ORIGINAL APPROVED DATE: 5/21/2009		PRIORITY: 1	BUDGET AMOUNT: \$2,014,000					
RELATED CIP PROJECTS:								
DESCRIPTION OF PROJECT:								
<p>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. Money budgeted in FY 2016 and 2017 is for the replacement of PLC's in the field that will no longer be supported at that time. \$40K in FY 16 for the SCADA Roadmap Documentation.</p>								
JUSTIFICATION OF PROJECT:								
<p>The vendor will no longer be upgrading or supporting the existing system beginning 2012. The radio equipment needs replacement to allow for increased bandwidth 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.</p>								
COMMENTS:								
FUND DETAILS:								
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total			
Replacement	0 %	0 %	100 %	0 %	100 %			
TOTAL:	0 %	0 %	100 %	0 %	100 %			
EXPENDITURE SCHEDULE (X \$1,000):								
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY	
TOTAL	2016	2017	2018	2019	2020	2021	Total	
	\$1,294	\$75	\$35	\$150	\$150	\$150	\$160	\$2,014

CIP Number: P2485

PROJECT SCHEDULE:

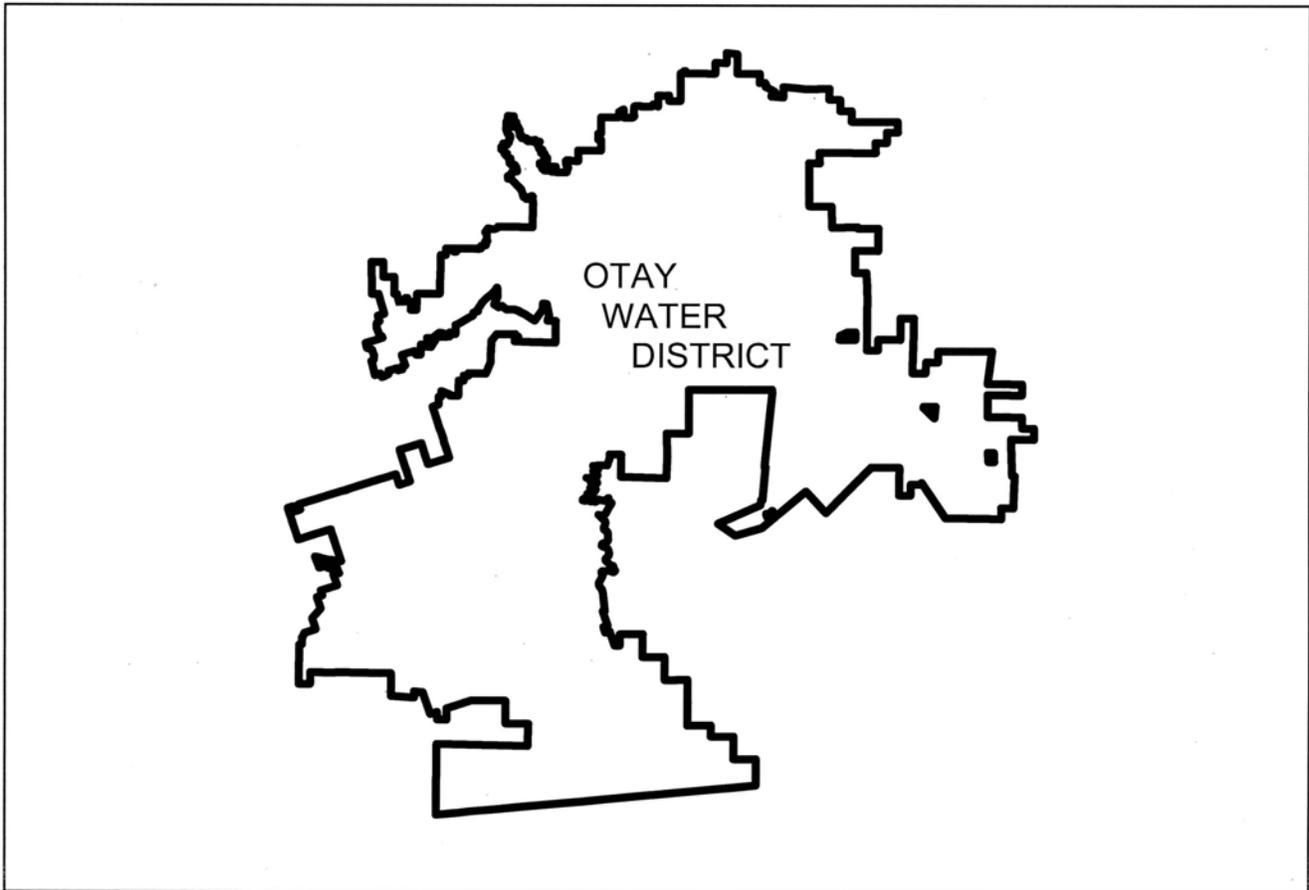
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2009	6/30/2021	\$2,014

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book:



Submitted By: Bob Kennedy

Date: 7/9/2015

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: \$1,675,000

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 was scheduled to be replaced in FY 2013.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$1,570	\$55	\$50	\$0	\$0	\$0	\$1,675

CIP Number: P2493

PROJECT SCHEDULE:

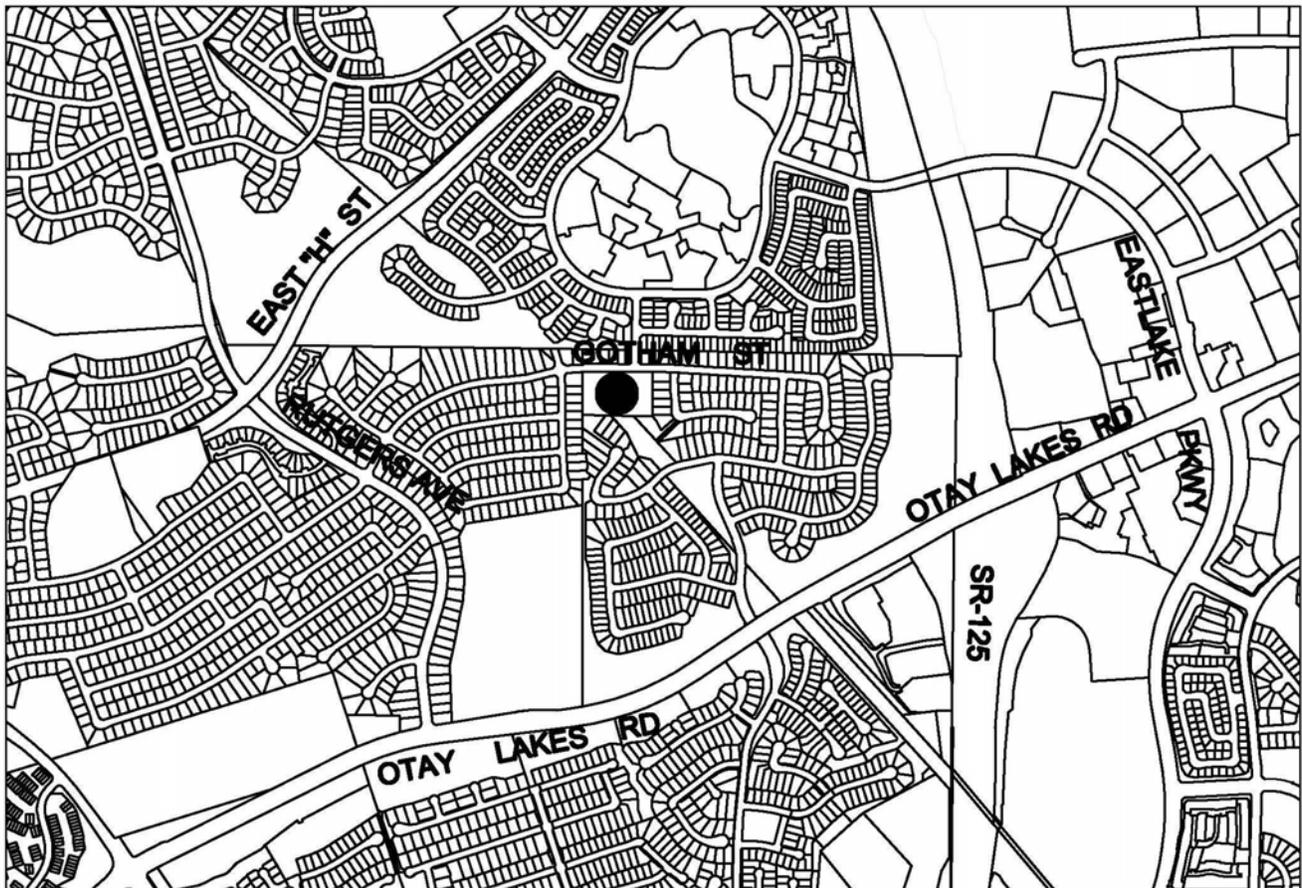
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2009	8/1/2010	\$5
DESIGN:	9/1/2010	12/31/2013	\$95
CONSTRUCTION:	1/8/2014	6/30/2017	\$1,575

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 130



Submitted By: Jolene Fielding

Date: 5/6/2015

PROJECT TITLE: Multiple Species Conservation Plan

CIP Number: P2494

DIRECTOR DIVISION: 0

PROJECT MANAGER: Lisa Coburn-Boyd

I.D. LOCATION: District Wide

ORIGINAL APPROVED DATE: 5/21/2009

PRIORITY: 1

RELATED CIP PROJECTS: P2495

BUDGET AMOUNT: \$950,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$863	\$87	\$0	\$0	\$0	\$0	\$950

CIP Number: P2494

PROJECT SCHEDULE:

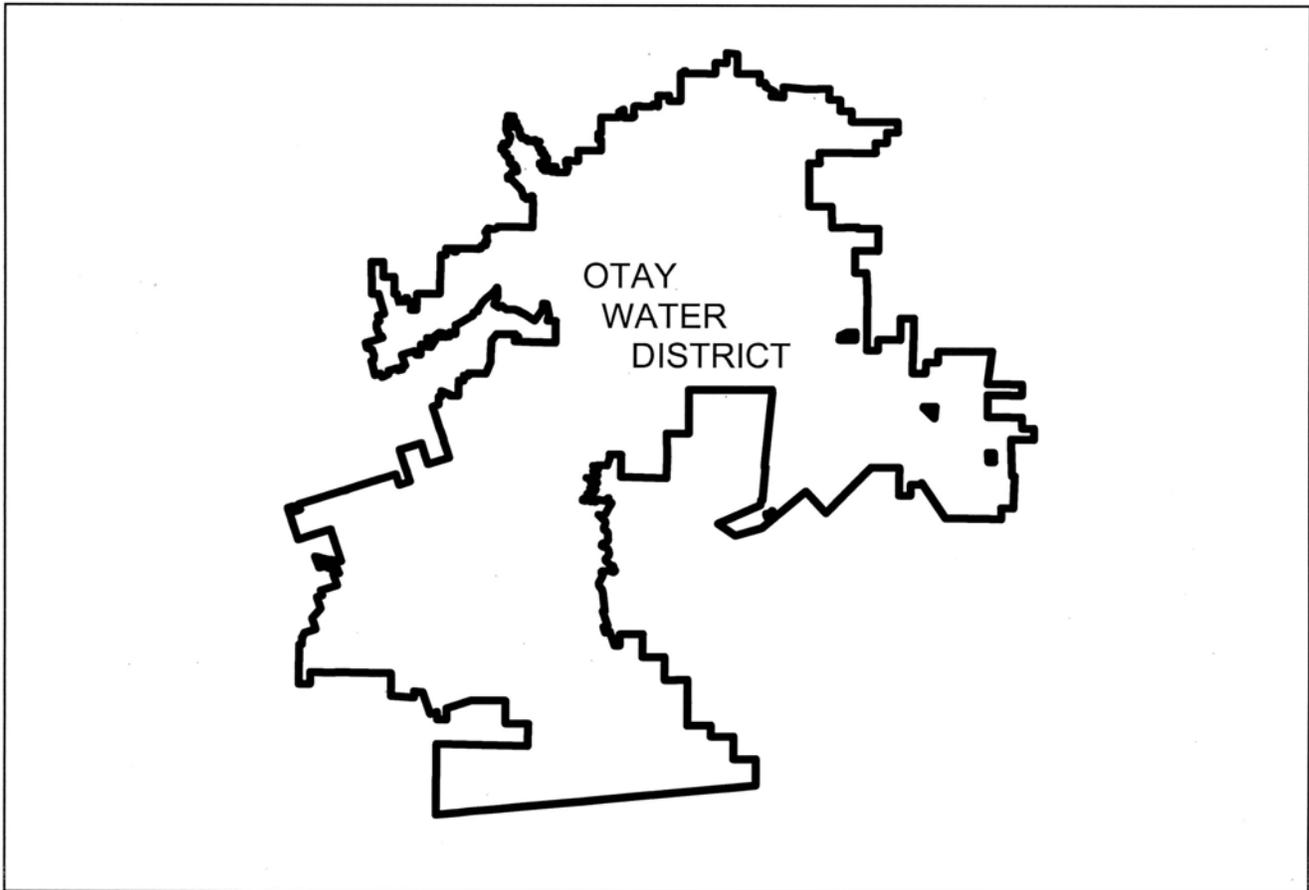
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2009	6/30/2016	\$950
DESIGN:			\$0
CONSTRUCTION:			\$0

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book:



Submitted By: Lisa Coburn-Boyd

Date: 2/9/2015

PROJECT TITLE: San Miguel Habitat Management/Mitigation Area		CIP Number: P2495					
PROJECT MANAGER: Lisa Coburn-Boyd		DIRECTOR DIVISION:	5				
ORIGINAL APPROVED DATE: 5/21/2009		I.D. LOCATION:	22				
RELATED CIP PROJECTS: P2494		PRIORITY:	1				
		BUDGET AMOUNT:	\$2,100,000				
DESCRIPTION OF PROJECT:							
<p>This project is to provide funding for the establishment and management of mitigation areas on capital improvement program projects sites and at the San Miguel Habitat Management Area to offset environmental impacts due to construction activities.</p>							
JUSTIFICATION OF PROJECT:							
<p>The resource agencies (USFWS, CDFG, etc.) require areas of land to be set aside, established, managed, and maintained in order to mitigate for impacts due to construction activities.</p>							
COMMENTS:							
FUND DETAILS:							
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total		
Expansion	100 %	0 %	0 %	0 %	100 %		
TOTAL:	100 %	0 %	0 %	0 %	100 %		
EXPENDITURE SCHEDULE (X \$1,000):							
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2016	2017	2018	2019	2020	2021	Total
\$1,170	\$120	\$120	\$160	\$160	\$180	\$190	\$2,100

CIP Number: P2495

PROJECT SCHEDULE:

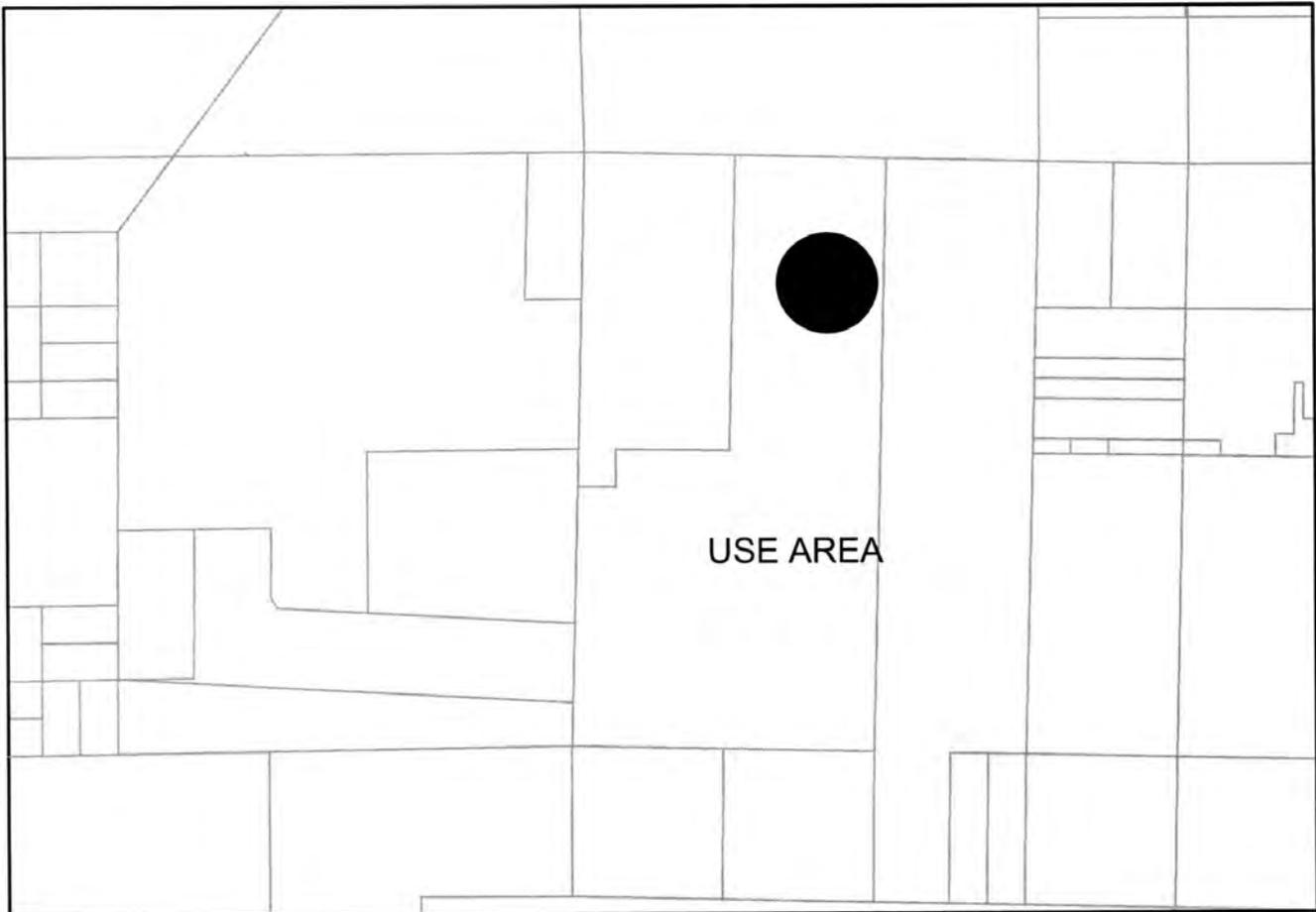
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2009	6/30/2021	\$2,100
DESIGN:			\$0
CONSTRUCTION:			\$0

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 159



Submitted By: Rita Bell

Date: 4/29/2015

PROJECT TITLE: Otay Lakes Road Utility Relocations

CIP Number: P2496

DIRECTOR DIVISION: 4

PROJECT MANAGER: Dan Martin

I.D. LOCATION: 22

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 Road and Telegraph Canyon Road.

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:

Work under construction.

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$300	\$20	\$5	\$0	\$0	\$0	\$325

CIP Number: P2496

PROJECT SCHEDULE:

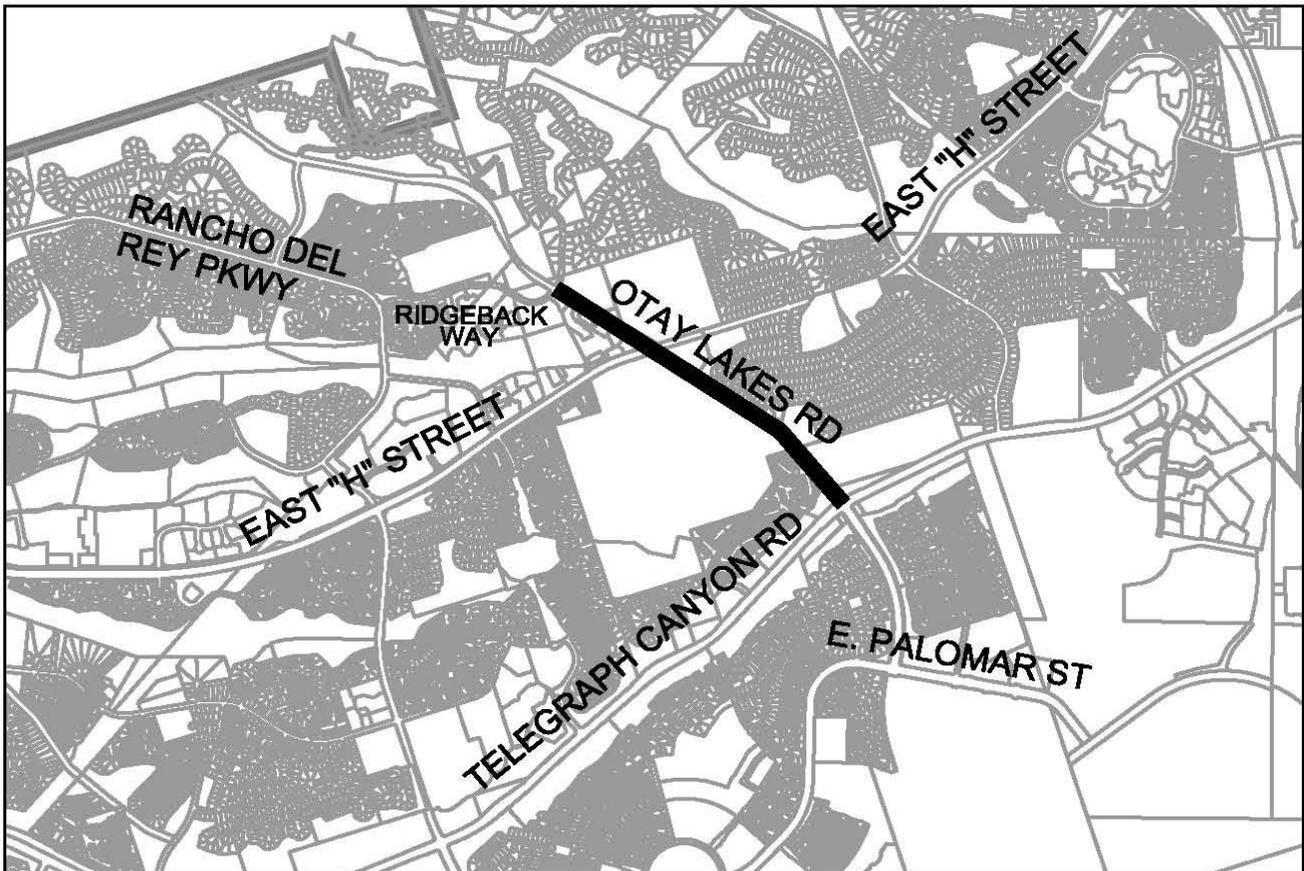
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2009	8/1/2009	\$4
DESIGN:	9/1/2009	12/1/2009	\$11
CONSTRUCTION:	1/1/2010	6/30/2017	\$310

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 113



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: Regulatory Site Access Road and Pipeline Relocation		CIP Number: P2504	
		DIRECTOR DIVISION:	5
PROJECT MANAGER:	Kevin Cameron	I.D. LOCATION:	22
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
Replacement	0 %	0 %	50 %	0 %	50 %
Betterment ID 22	0 %	50 %	0 %	0 %	50 %
TOTAL:	0 %	50 %	50 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY	
TOTAL	2016	2017	2018	2019	2020	2021	Total	
	\$330	\$50	\$365	\$135	\$20	\$0	\$0	\$900

CIP Number: P2504

PROJECT SCHEDULE:

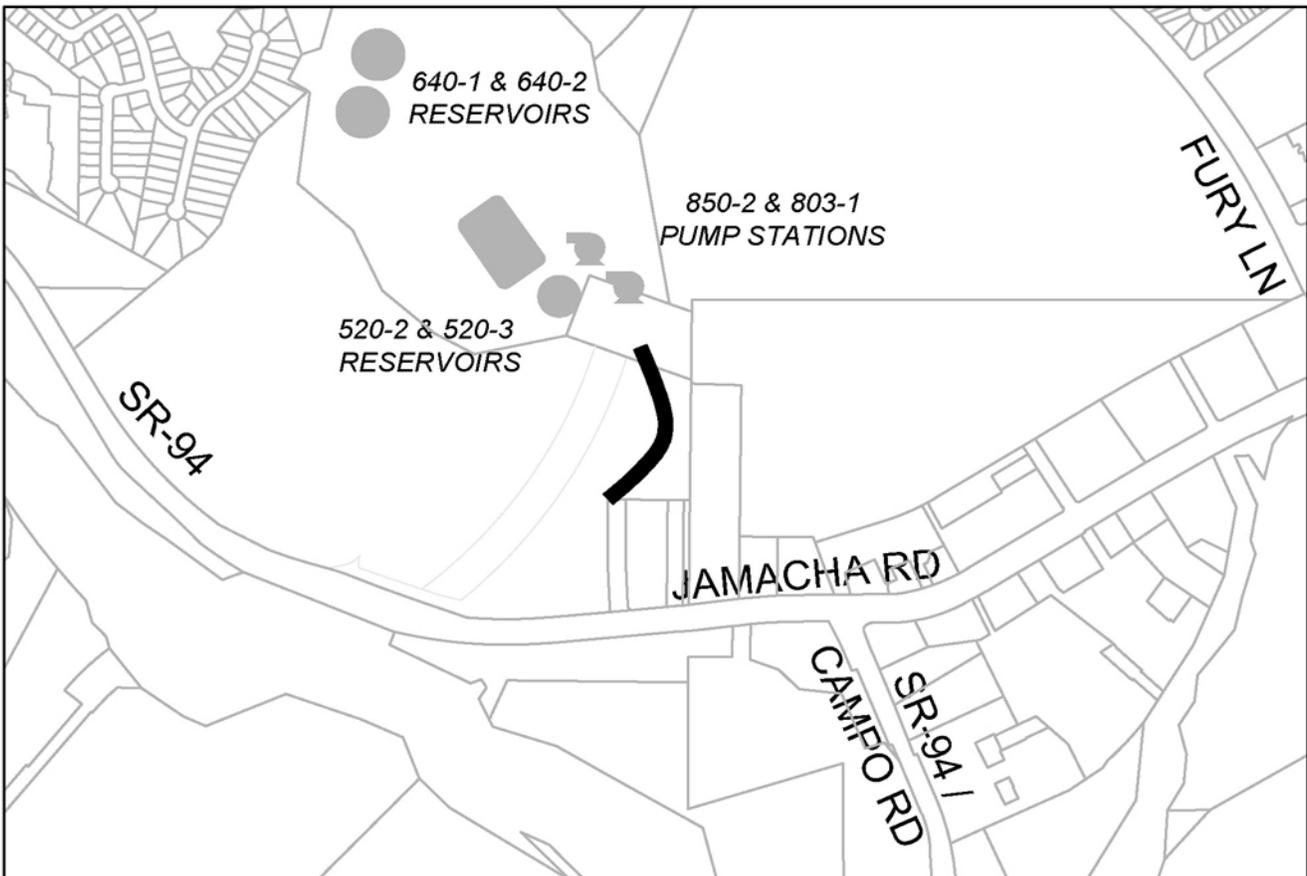
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2010	9/1/2010	\$85
DESIGN:	10/1/2010	12/31/2016	\$275
CONSTRUCTION:	1/1/2017	6/30/2019	\$540

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 331



Submitted By: Bob Kennedy

Date: 8/11/2015

PROJECT TITLE: East Palomar Street Utility Relocation

CIP Number: P2507

DIRECTOR DIVISION: 2

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE: 5/17/2010

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$940,000

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. Project funds reimbursement to 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						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$685	\$25	\$120	\$110	\$0	\$0	\$940

CIP Number: P2507

PROJECT SCHEDULE:

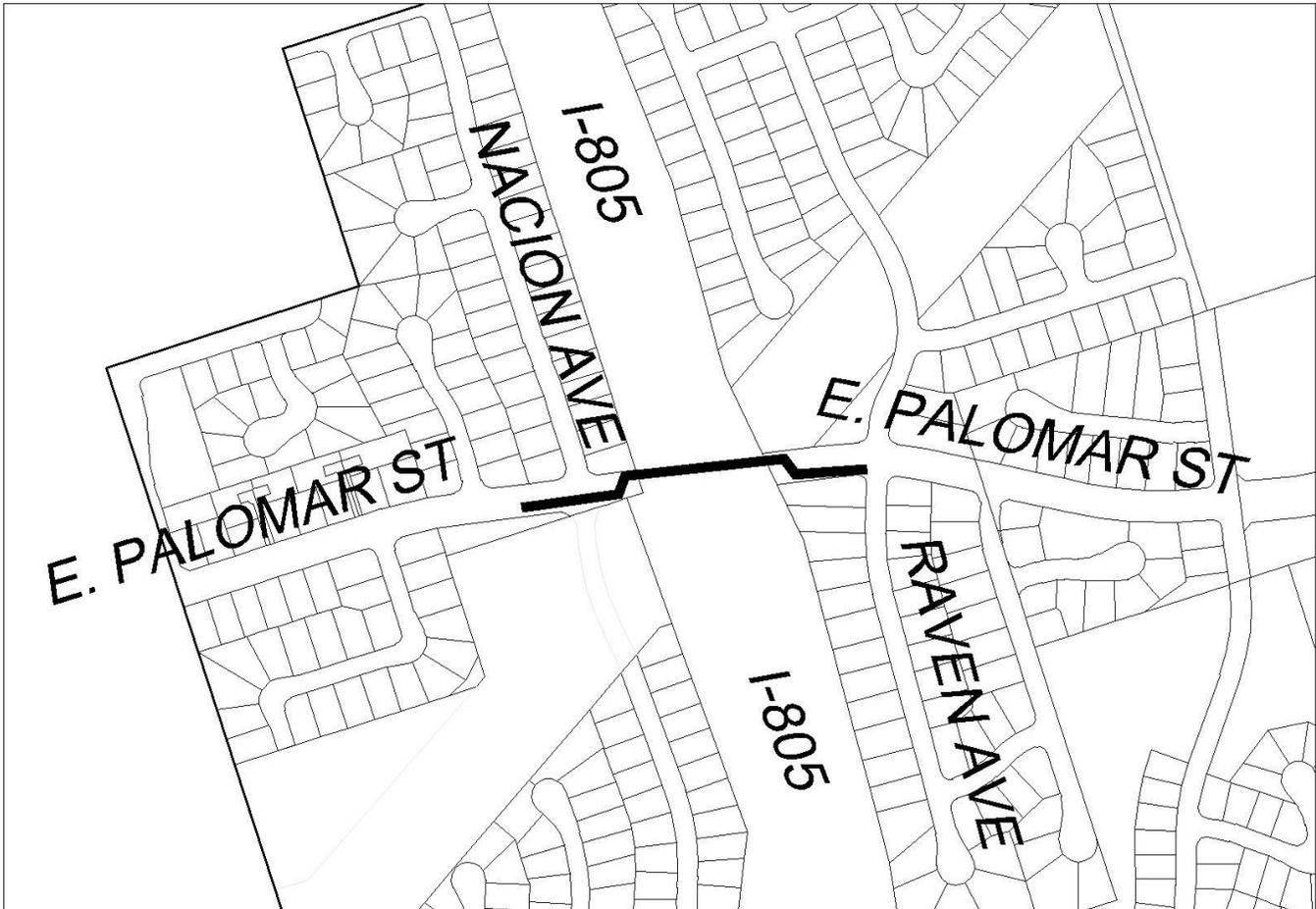
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2010	12/1/2010	\$5
DESIGN:	1/1/2011	12/1/2012	\$245
CONSTRUCTION:	1/1/2013	6/30/2018	\$690

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 80



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: Pipeline Cathodic Protection Replacement Program		CIP Number: P2508					
PROJECT MANAGER: Jeff Marchioro		DIRECTOR DIVISION:	0				
ORIGINAL APPROVED DATE: 5/17/2010		I.D. LOCATION:	District Wide				
RELATED CIP PROJECTS:		PRIORITY:	1				
		BUDGET AMOUNT:	\$725,000				
DESCRIPTION OF PROJECT:							
This project is for the replacement and repairs of existing cathodic protection systems on various pipelines.							
JUSTIFICATION OF PROJECT:							
The ongoing cathodic protection program efforts have identified various pipelines for anode replacement, cathodic test station repair, installation of isolation kits, and repair of existing anode beds.							
COMMENTS:							
FUND DETAILS:							
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total		
Replacement	0 %	0 %	100 %	0 %	100 %		
TOTAL:	0 %	0 %	100 %	0 %	100 %		
EXPENDITURE SCHEDULE (X \$1,000):							
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2016	2017	2018	2019	2020	2021	Total
\$178	\$150	\$300	\$50	\$47	\$0	\$0	\$725

CIP Number: P2508

PROJECT SCHEDULE:

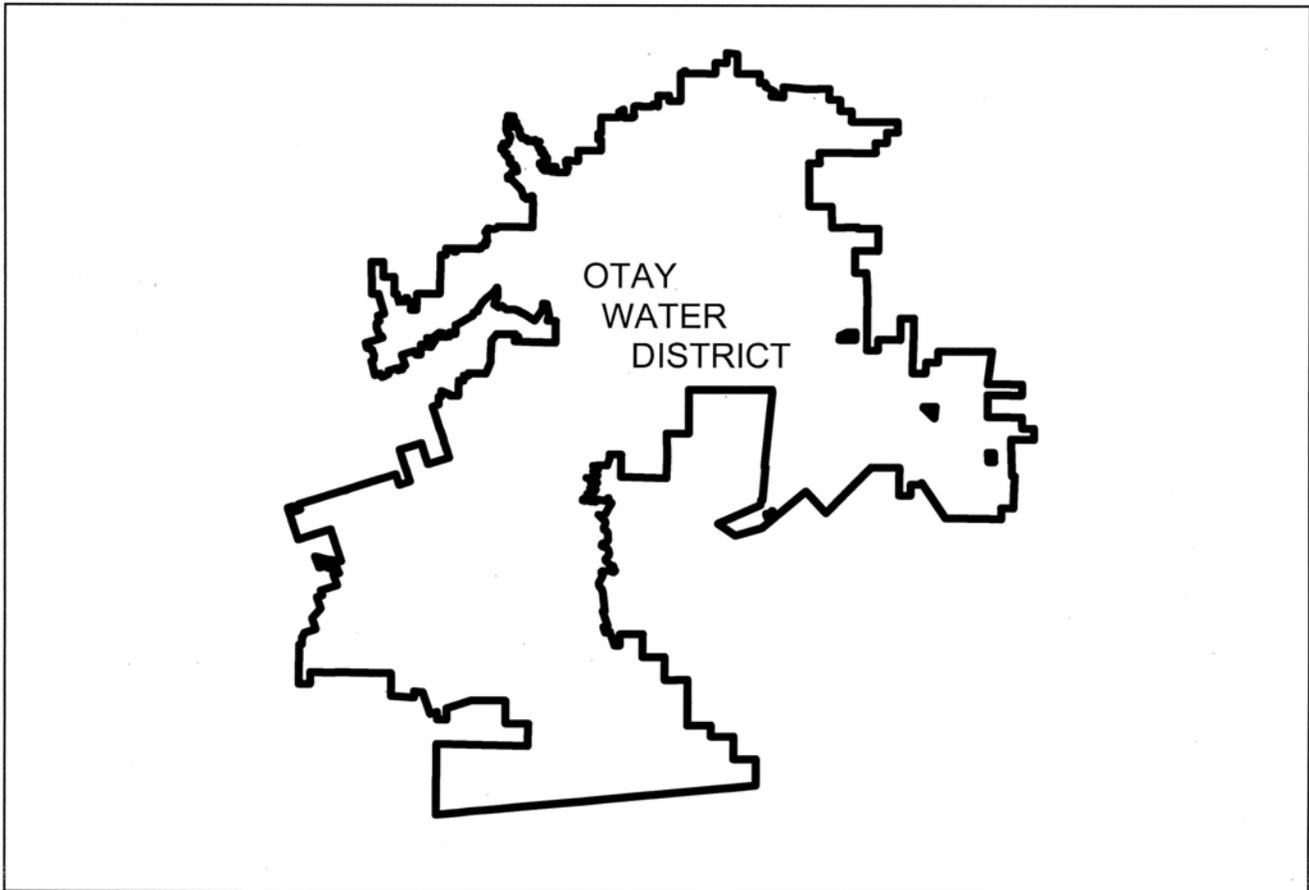
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2010	6/30/2016	\$50
DESIGN:	7/1/2014	6/30/2016	\$100
CONSTRUCTION:	10/1/2014	6/30/2019	\$575

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book:



Submitted By: Bob Kennedy

Date: 8/12/2015

PROJECT TITLE: 870-1 Reservoir Paving

CIP Number: P2515

DIRECTOR DIVISION: 2

PROJECT MANAGER: Stephen Beppler

I.D. LOCATION: 22

ORIGINAL APPROVED DATE: 5/16/2011

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$510,000

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:

Project is complete. Warranty work and miscellaneous security improvements will be added.

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$495	\$15	\$0	\$0	\$0	\$0	\$510

CIP Number: P2515

PROJECT SCHEDULE:

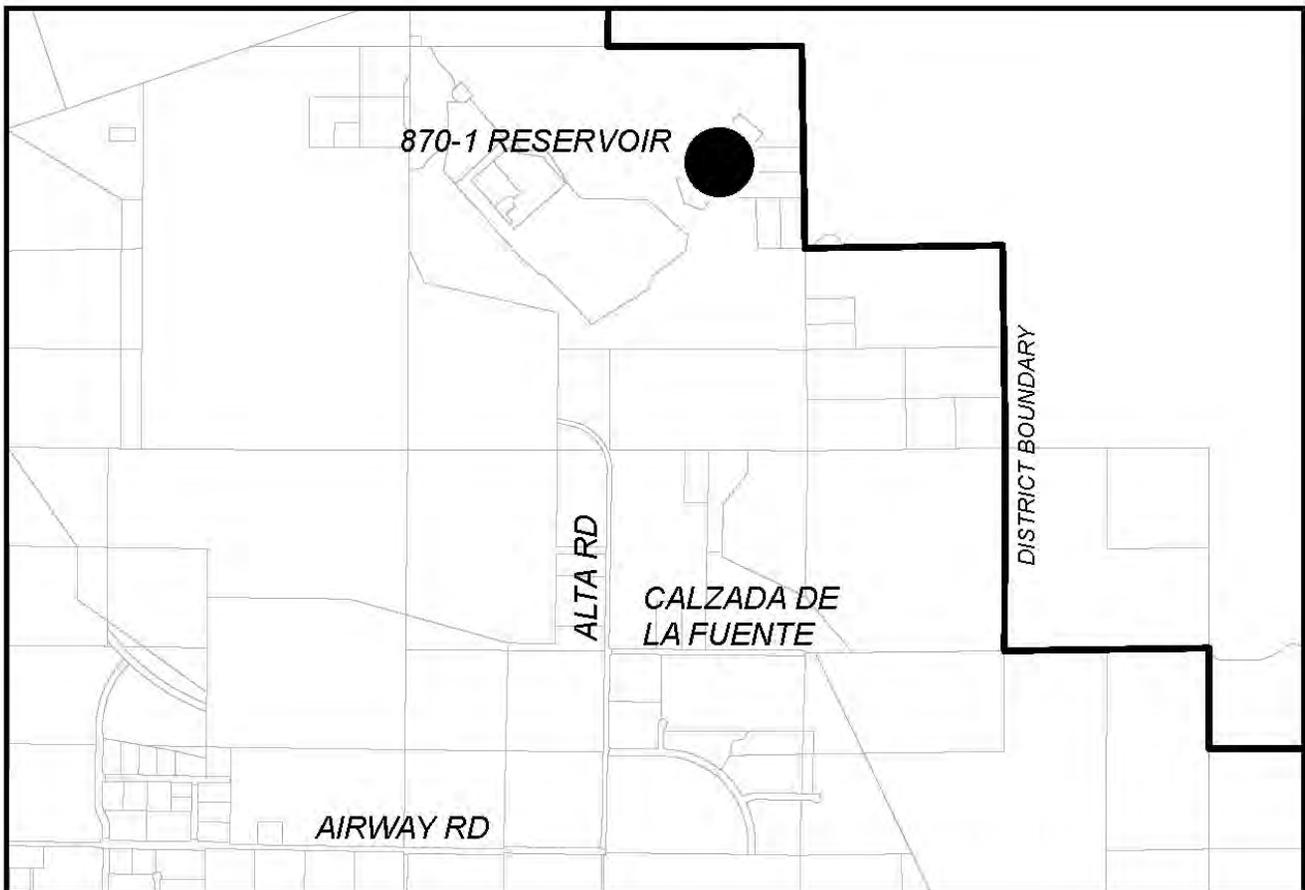
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2011	12/1/2011	\$50
DESIGN:	1/1/2012	12/31/2014	\$75
CONSTRUCTION:	1/1/2015	6/30/2016	\$385

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 55



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: 803-3 Reservoir Interior/Exterior Coating

CIP Number: P2518

DIRECTOR DIVISION: 5

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE: 5/15/2012

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$700,000

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:

Project is complete. Project to be suspended until warranty inspection in 2016.

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$635	\$20	\$45	\$0	\$0	\$0	\$700

CIP Number: P2518

PROJECT SCHEDULE:

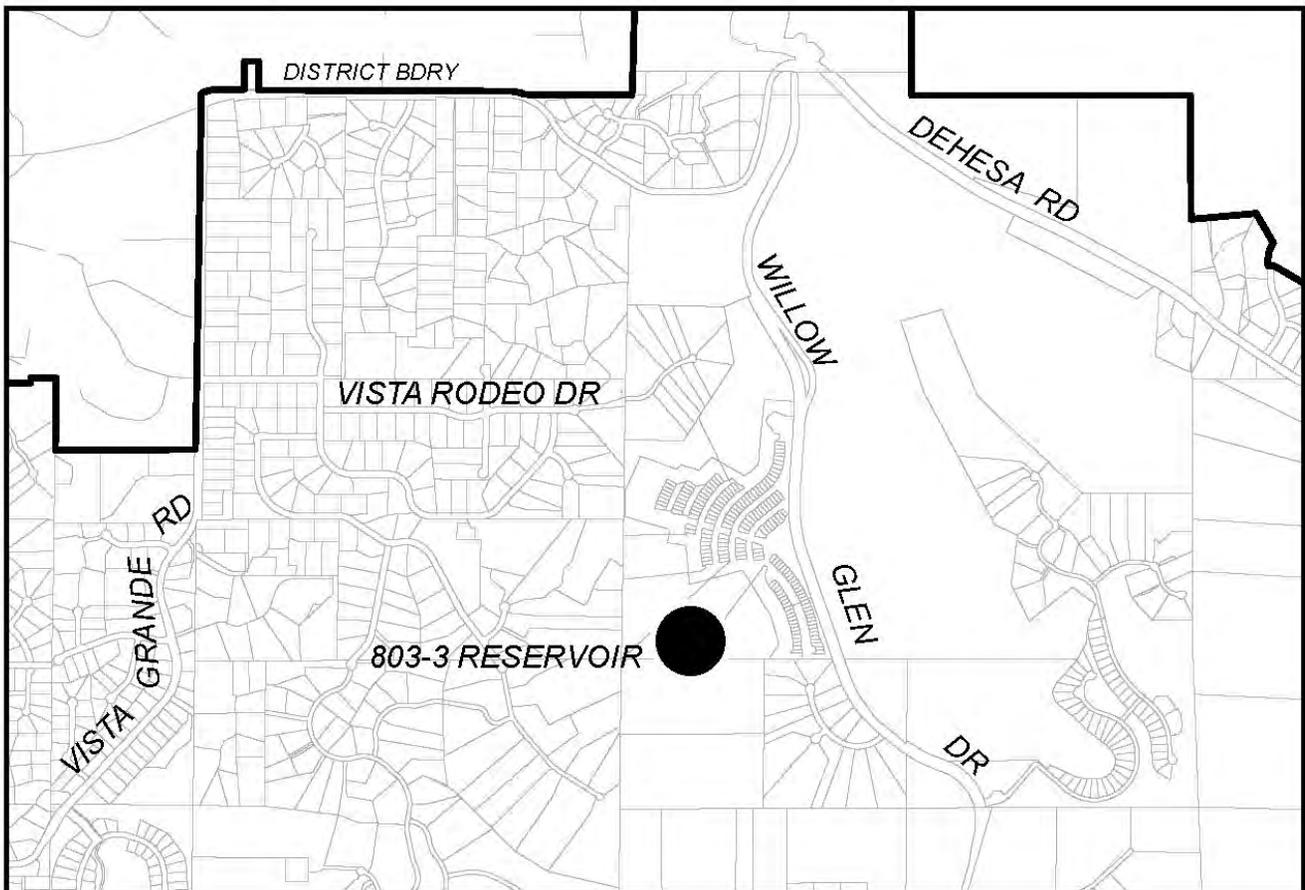
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2011	9/1/2012	\$10
DESIGN:	10/1/2012	12/1/2013	\$65
CONSTRUCTION:	1/1/2013	7/31/2016	\$625

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 370



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: 832-2 Reservoir Interior/Exterior Coating

CIP Number: P2519

DIRECTOR DIVISION: 5

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

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 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:

Project under construction.

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$660	\$20	\$45	\$25	\$0	\$0	\$750

CIP Number: P2519

PROJECT SCHEDULE:

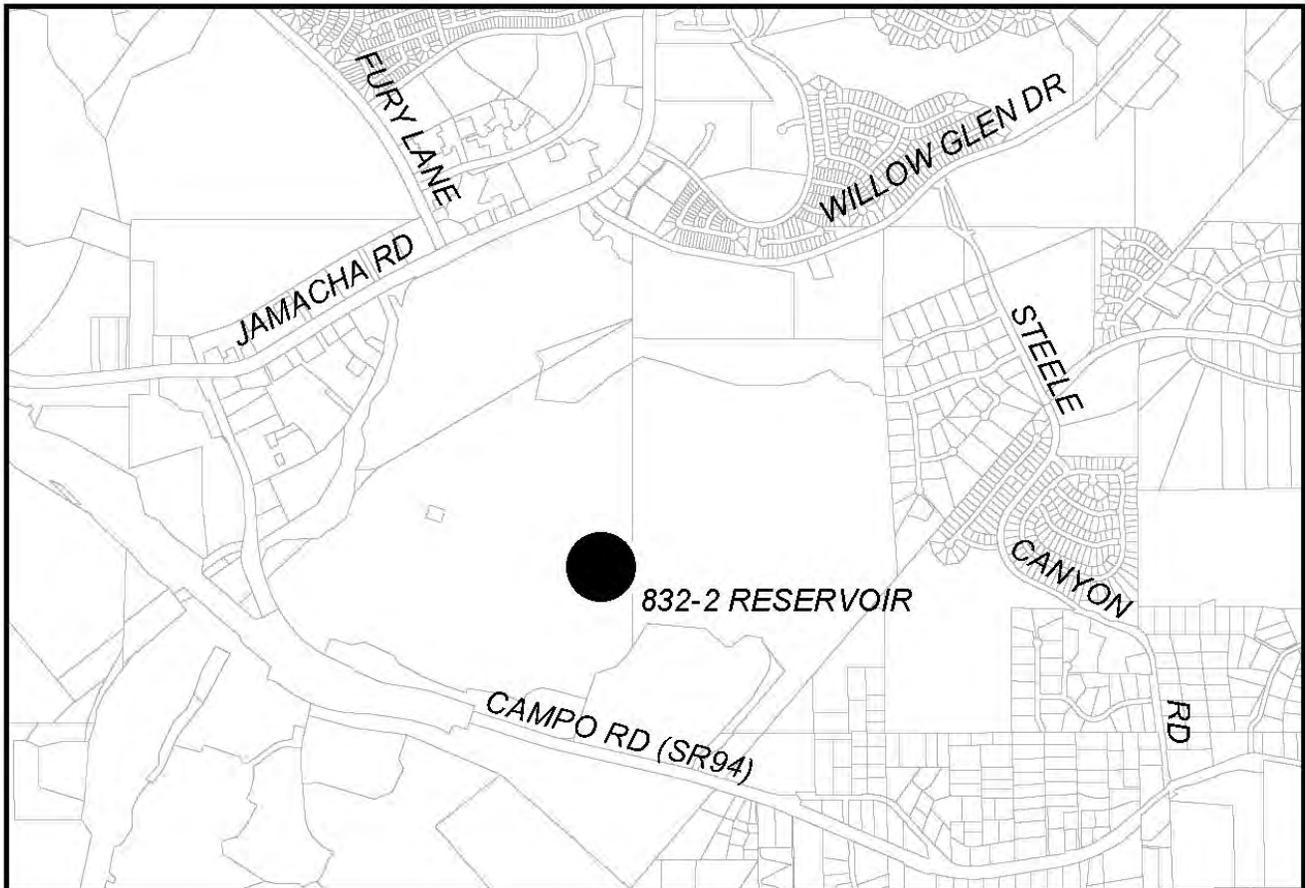
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2011	9/1/2012	\$10
DESIGN:	10/1/2012	12/1/2013	\$50
CONSTRUCTION:	1/1/2013	7/31/2016	\$690

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 332



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: Motorola Mobile Radio Upgrade

CIP Number: P2520

DIRECTOR DIVISION: 0

PROJECT MANAGER: Jose Martinez

I.D. LOCATION: District Wide

ORIGINAL APPROVED DATE: 5/16/2011

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$135,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$91	\$30	\$14	\$0	\$0	\$0	\$135

CIP Number: P2520

PROJECT SCHEDULE:

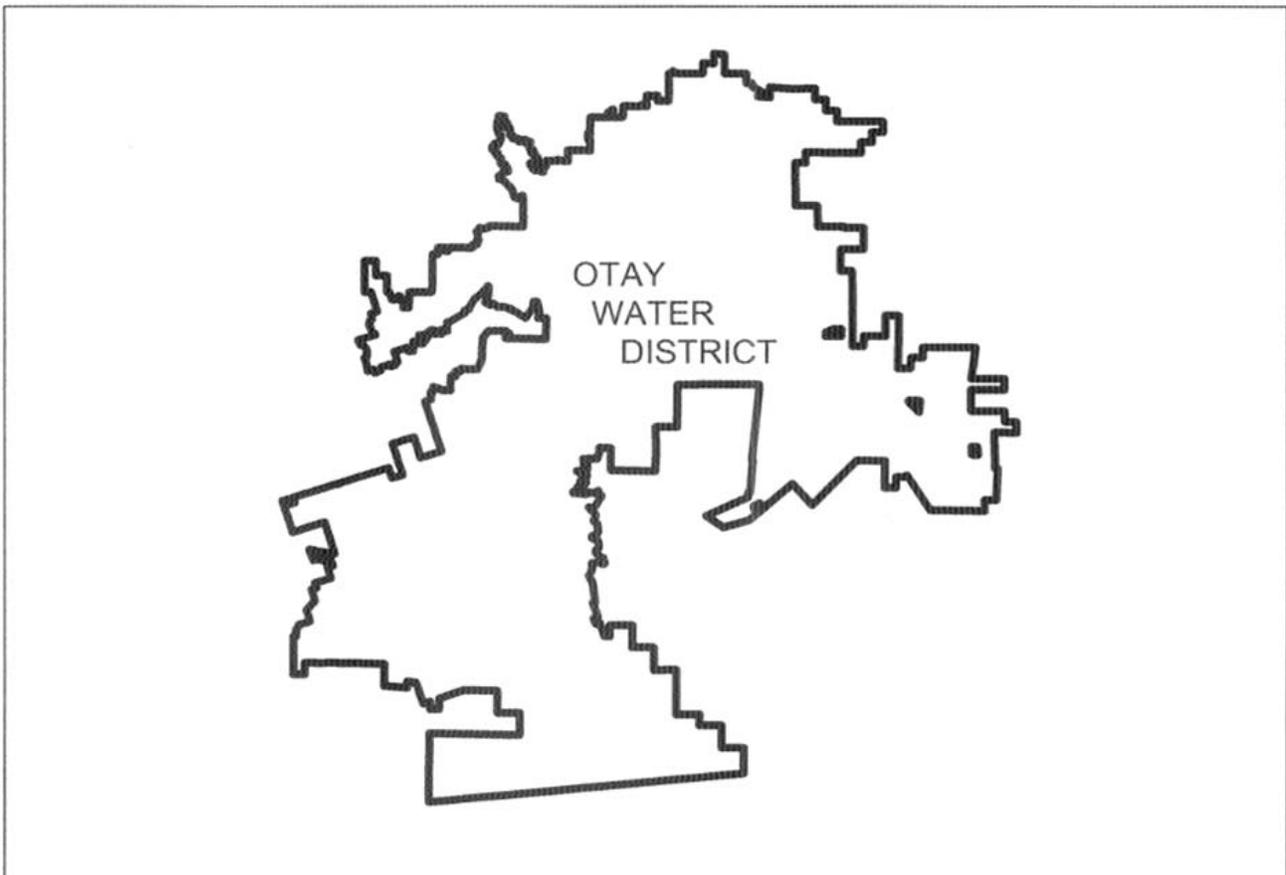
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	8/1/2011	6/30/2017	\$135

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book:



Submitted By: Rita Bell

Date: 4/29/2015

PROJECT TITLE: 711-2 Reservoir Interior & Exterior Coating

CIP Number: P2529

DIRECTOR DIVISION: 1

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS: P2530

BUDGET AMOUNT: \$790,000

DESCRIPTION OF PROJECT:

This project provides funding for the interior and exterior coating of the 711-2 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 711-2 Reservoir interior and exterior coatings are in relatively poor condition and are in need of replacement.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY							
TOTAL	2016	2017	2018	2019	2020	2021	Total	
	\$0	\$600	\$130	\$25	\$35	\$0	\$0	\$790

CIP Number: P2529

PROJECT SCHEDULE:

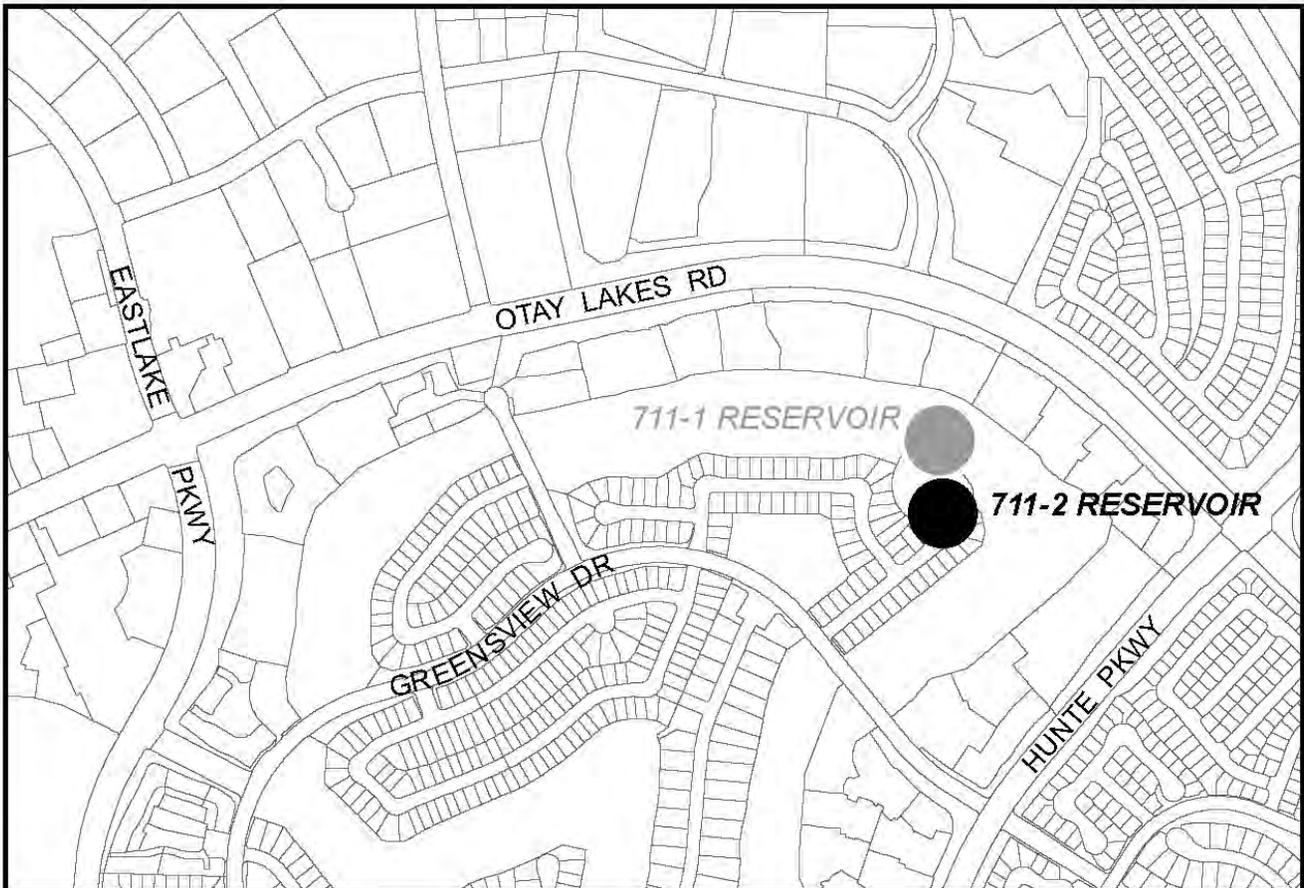
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	6/1/2015	8/31/2015	\$10
DESIGN:	9/1/2015	12/31/2015	\$95
CONSTRUCTION:	1/1/2016	8/31/2016	\$685

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 131



Submitted By: Bob Kennedy

Date: 8/12/2015

PROJECT TITLE: 711-1 Reservoir Interior & Exterior Coating

CIP Number: P2530

DIRECTOR DIVISION: 1

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS: P2529

BUDGET AMOUNT: \$1,040,000

DESCRIPTION OF PROJECT:

This project provides funding for the interior and exterior coating of the 711-1 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 711-1 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							
TOTAL	2016	2017	2018	2019	2020	2021	Total	
	\$0	\$800	\$200	\$15	\$25	\$0	\$0	\$1,040

CIP Number: P2530

PROJECT SCHEDULE:

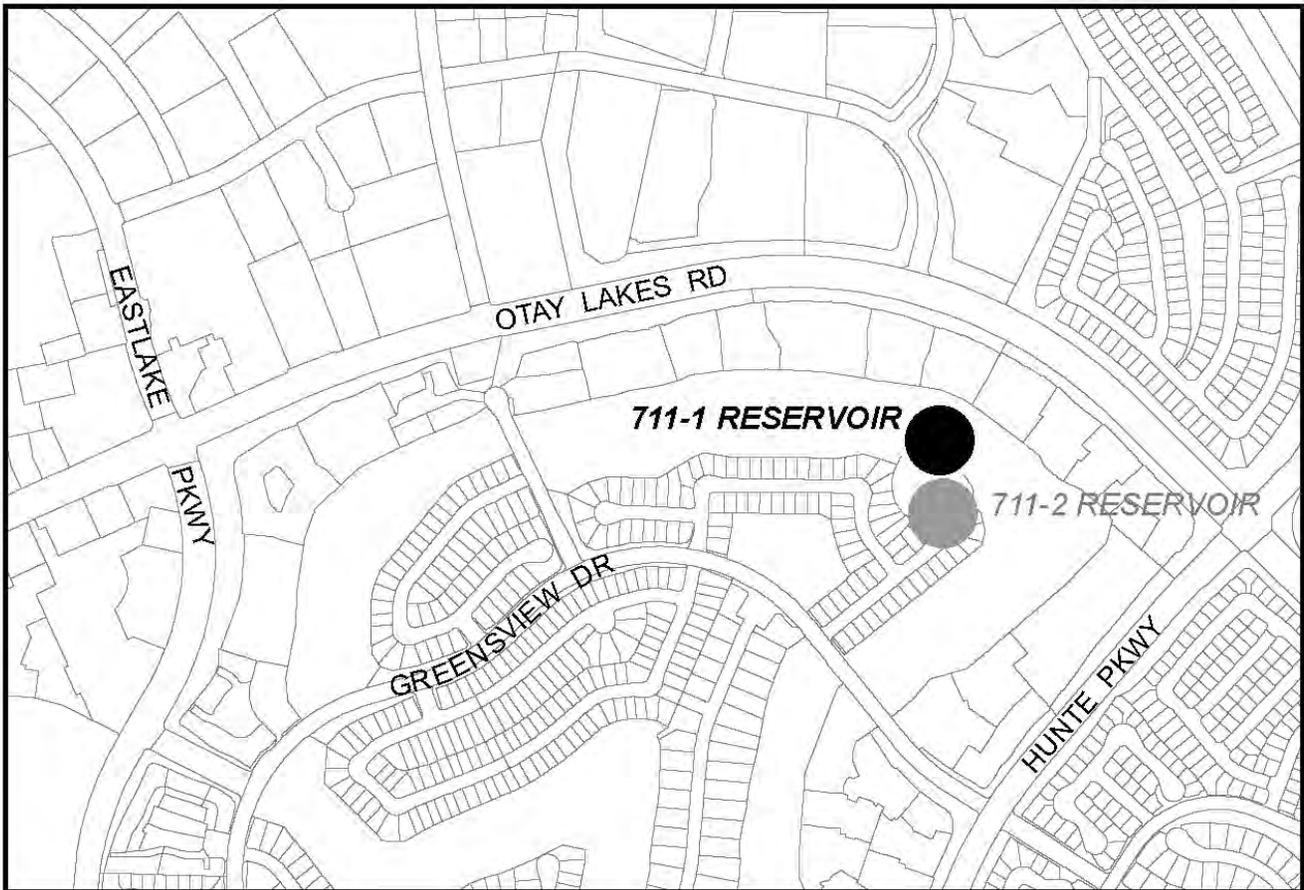
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	6/1/2015	8/31/2015	\$10
DESIGN:	9/1/2015	12/31/2015	\$65
CONSTRUCTION:	1/1/2016	8/31/2016	\$965

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 131



Submitted By: Bob Kennedy

Date: 8/12/2015

PROJECT TITLE: 944-1 Reservoir Interior & Exterior Coating

CIP Number: P2531

DIRECTOR DIVISION: 5

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 1

RELATED CIP PROJECTS: P2532

BUDGET AMOUNT: \$315,000

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							
TOTAL	2016	2017	2018	2019	2020	2021	Total	
	\$100	\$130	\$50	\$35	\$0	\$0	\$0	\$315

CIP Number: P2531

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	5/1/2014	6/30/2014	\$10
DESIGN:	7/1/2014	12/30/2014	\$40
CONSTRUCTION:	12/31/2014	11/30/2015	\$265

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 322



Submitted By: Bob Kennedy

Date: 8/18/2015

PROJECT TITLE: 944-2 Reservoir Interior & Exterior Coating

CIP Number: P2532

DIRECTOR DIVISION: 5

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS: P2531

BUDGET AMOUNT: \$895,000

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:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$745	\$50	\$50	\$0	\$0	\$0	\$895

CIP Number: P2532

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	5/1/2014	6/30/2014	\$10
DESIGN:	7/1/2014	10/31/2014	\$75
CONSTRUCTION:	12/31/2014	11/30/2015	\$810

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 322



Submitted By: Bob Kennedy

Date: 8/12/2015

PROJECT TITLE: 1200-1 Reservoir Interior & Exterior Coating		CIP Number: P2533					
PROJECT MANAGER: Kevin Cameron		DIRECTOR DIVISION: 5		I.D. LOCATION: 22		PRIORITY: 2	
ORIGINAL APPROVED DATE:		BUDGET AMOUNT: \$565,000					
DESCRIPTION OF PROJECT:							
<p>This project provides funding for the interior and exterior coating of the 1200-1 Reservoir. In addition, an assessment of the facility will be accomplished to assure compliance to all applicable codes and OSHA standards.</p>							
JUSTIFICATION OF PROJECT:							
<p>Based upon the 2011 Cathodic Assessment Report, the 1200-1 Reservoir interior and exterior coatings are in relatively poor condition and are in need of replacement.</p>							
COMMENTS:							
FUND DETAILS:							
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total		
Replacement	0 %	0 %	100 %	0 %	100 %		
TOTAL:	0 %	0 %	100 %	0 %	100 %		
EXPENDITURE SCHEDULE (X \$1,000):							
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$0 \$5	\$490	\$35	\$35	\$0	\$0	\$565

CIP Number: P2533

PROJECT SCHEDULE:

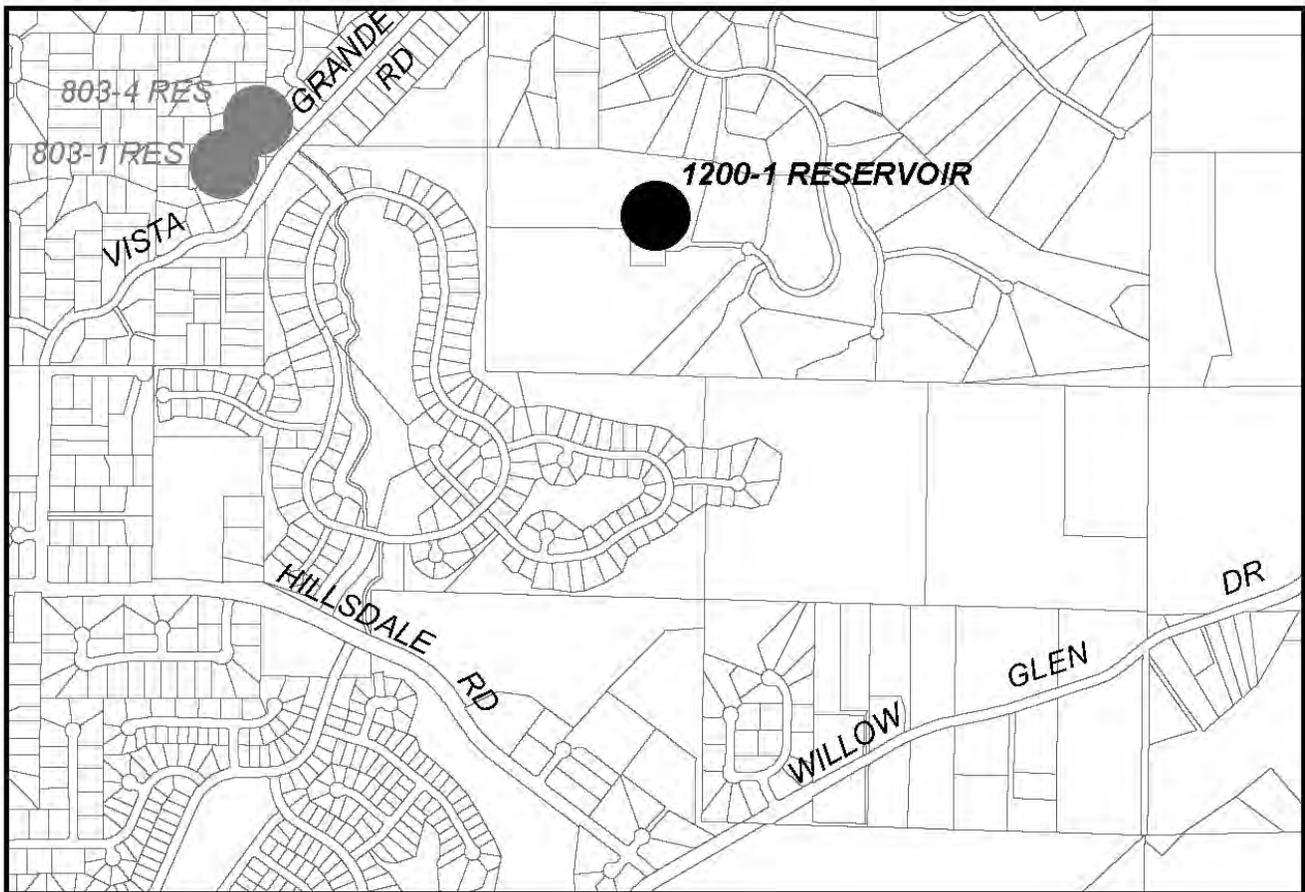
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	6/1/2016	9/30/2016	\$5
DESIGN:	10/1/2016	12/31/2016	\$60
CONSTRUCTION:	1/1/2017	6/30/2019	\$500

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 369



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: 978-1 Reservoir Interior & Exterior Coating

CIP Number: P2534

DIRECTOR DIVISION: 5

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$325,000

DESCRIPTION OF PROJECT:

This project provides funding for the interior and exterior coating of the 978-1 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 978-1 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						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$0	\$0	\$10	\$275	\$5	\$35	\$0
	\$0	\$10	\$275	\$5	\$35	\$0	\$325

CIP Number: P2534

PROJECT SCHEDULE:

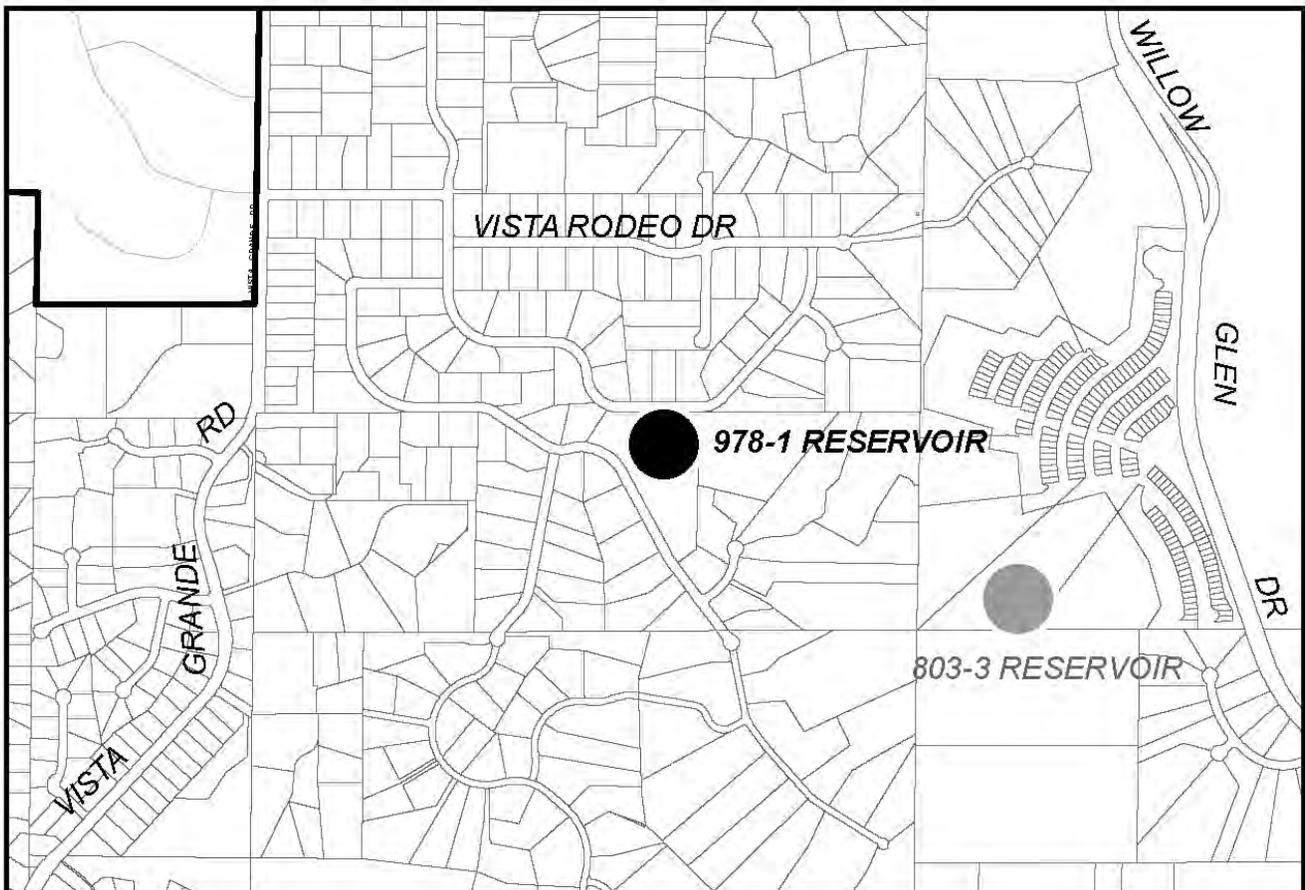
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	6/2/2016	9/30/2016	\$10
DESIGN:	10/1/2016	12/31/2016	\$40
CONSTRUCTION:	1/1/2017	6/30/2019	\$275

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 378



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: 458-2 Reservoir Interior & Exterior Coating & Upgrades

CIP Number: P2535

PROJECT MANAGER: Kevin Cameron

DIRECTOR DIVISION: 2

ORIGINAL APPROVED DATE: 5/15/2012

I.D. LOCATION: 22

RELATED CIP PROJECTS:

PRIORITY: 2

BUDGET AMOUNT: \$660,000

DESCRIPTION OF PROJECT:

This project provides funding for the interior and exterior 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. The exterior coating on the roof is failing and in need of replacement.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$505	\$115	\$5	\$35	\$0	\$0	\$660

CIP Number: P2535

PROJECT SCHEDULE:

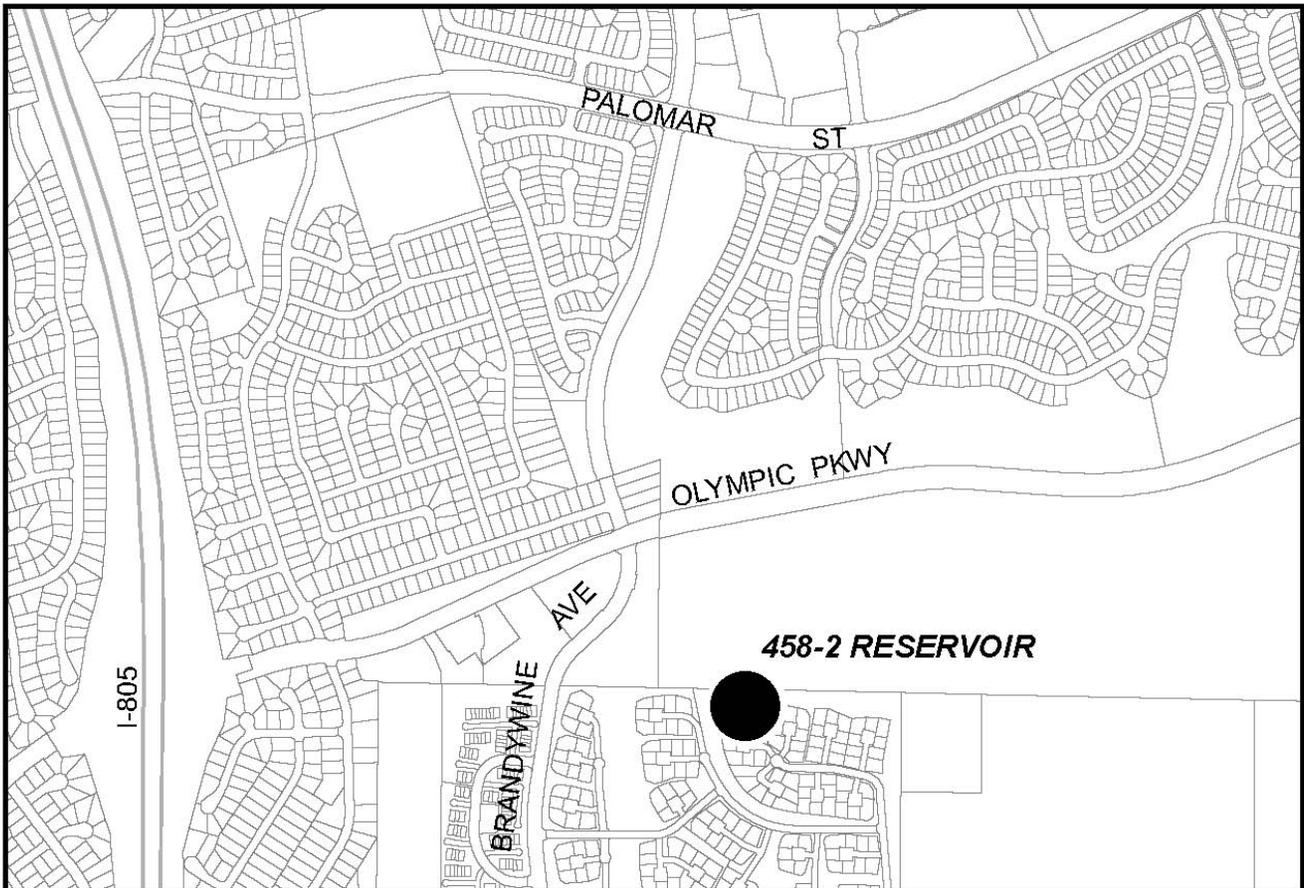
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	6/1/2013	9/30/2013	\$5
DESIGN:	10/1/2013	12/31/2014	\$65
CONSTRUCTION:	1/1/2015	11/30/2015	\$590

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 66



Submitted By: Bob Kennedy

Date: 8/12/2015

PROJECT TITLE: Administration and Operations Building Fire Sprinkler Replacement Program

CIP Number: P2538

PROJECT MANAGER: Kevin Cameron

DIRECTOR DIVISION: 5

ORIGINAL APPROVED DATE:

I.D. LOCATION: 22

RELATED CIP PROJECTS:

PRIORITY: 1

BUDGET AMOUNT: \$110,000

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:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$67	\$5	\$20	\$18	\$0	\$0	\$110

CIP Number: P2538

PROJECT SCHEDULE:

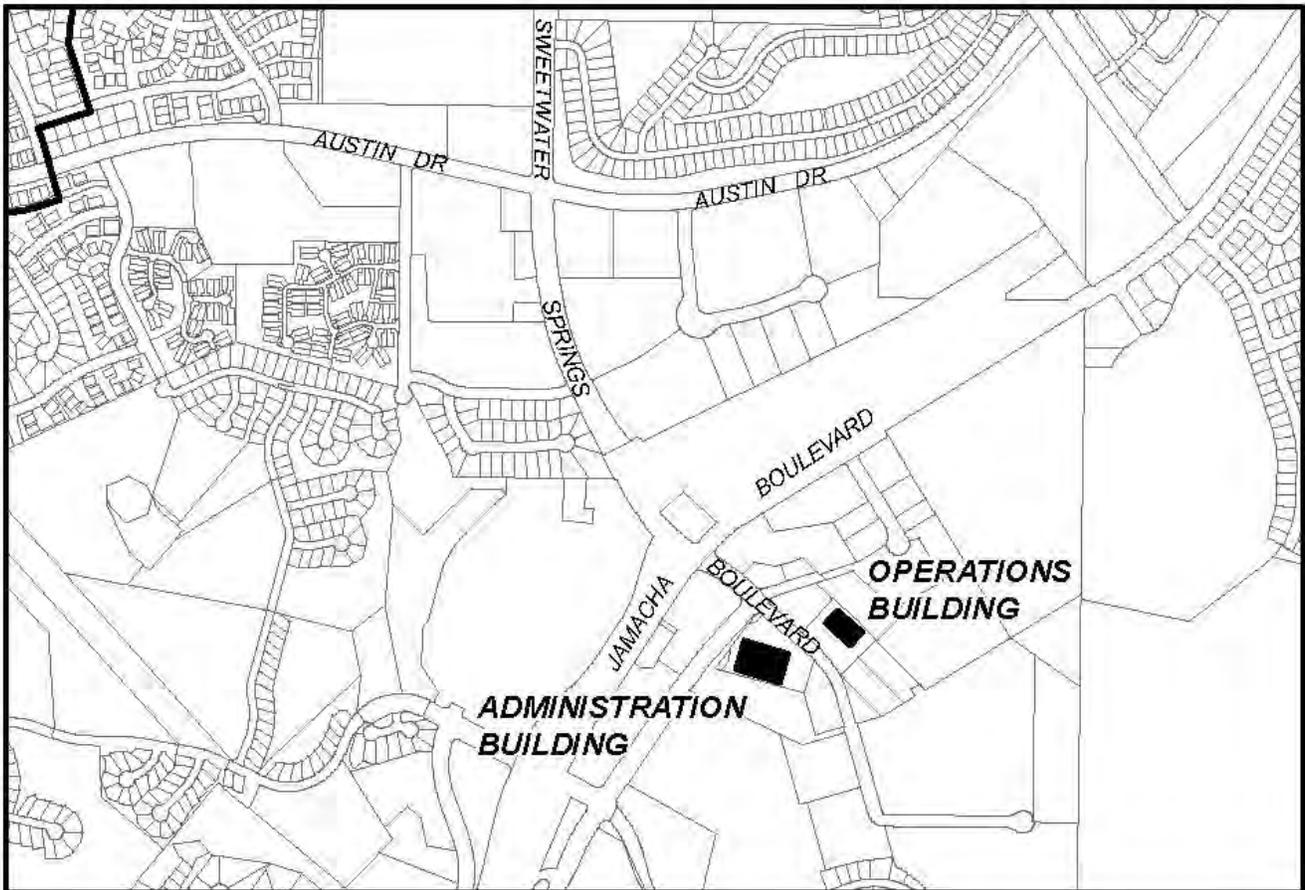
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	12/1/2012	7/1/2013	\$0
DESIGN:	7/1/2013	3/1/2014	\$40
CONSTRUCTION:	3/1/2014	6/30/2018	\$70

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 318



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: South Bay Bus Rapid Transit (BRT) Utility Relocations		CIP Number: P2539					
PROJECT MANAGER: Kevin Cameron		DIRECTOR DIVISION:	1				
ORIGINAL APPROVED DATE:		I.D. LOCATION:	22/27				
RELATED CIP PROJECTS:		PRIORITY:	1				
		BUDGET AMOUNT:	\$940,000				
DESCRIPTION OF PROJECT:							
<p>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.</p>							
JUSTIFICATION OF PROJECT:							
<p>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.</p>							
COMMENTS:							
FUND DETAILS:							
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total		
Replacement	0 %	0 %	100 %	0 %	100 %		
TOTAL:	0 %	0 %	100 %	0 %	100 %		
EXPENDITURE SCHEDULE (X \$1,000):							
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2016	2017	2018	2019	2020	2021	Total
\$600	\$100	\$100	\$100	\$40	\$0	\$0	\$940

CIP Number: P2539

PROJECT SCHEDULE:

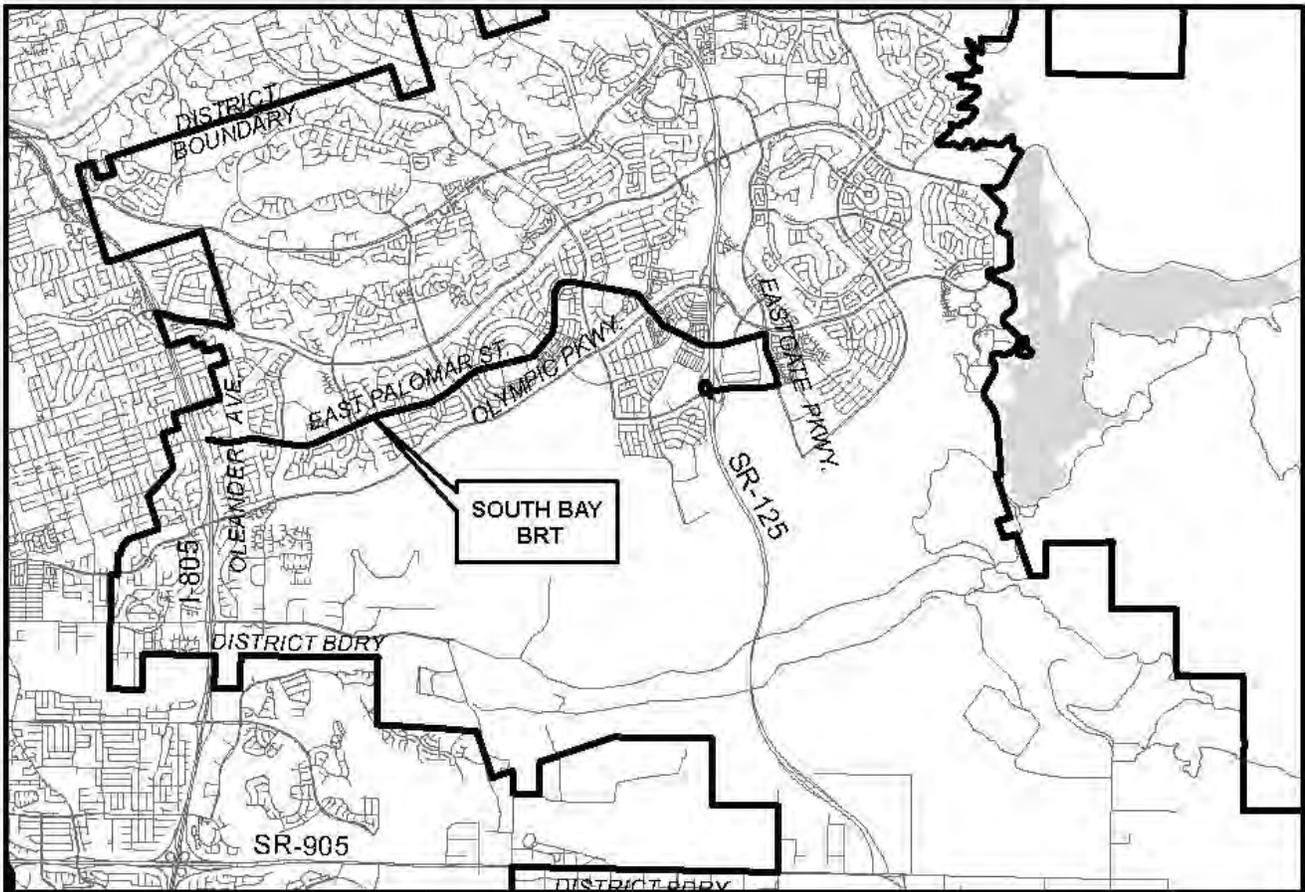
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2013	6/30/2014	\$15
DESIGN:	7/1/2014	4/30/2016	\$90
CONSTRUCTION:	5/1/2016	6/30/2019	\$835

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

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



Submitted By: Bob Kennedy

Date: 8/12/2015

PROJECT TITLE: 850-3 Reservoir Interior Coating

CIP Number: P2542

DIRECTOR DIVISION: 5

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$530,000

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:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$250	\$230	\$15	\$35	\$0	\$0	\$530

CIP Number: P2542

PROJECT SCHEDULE:

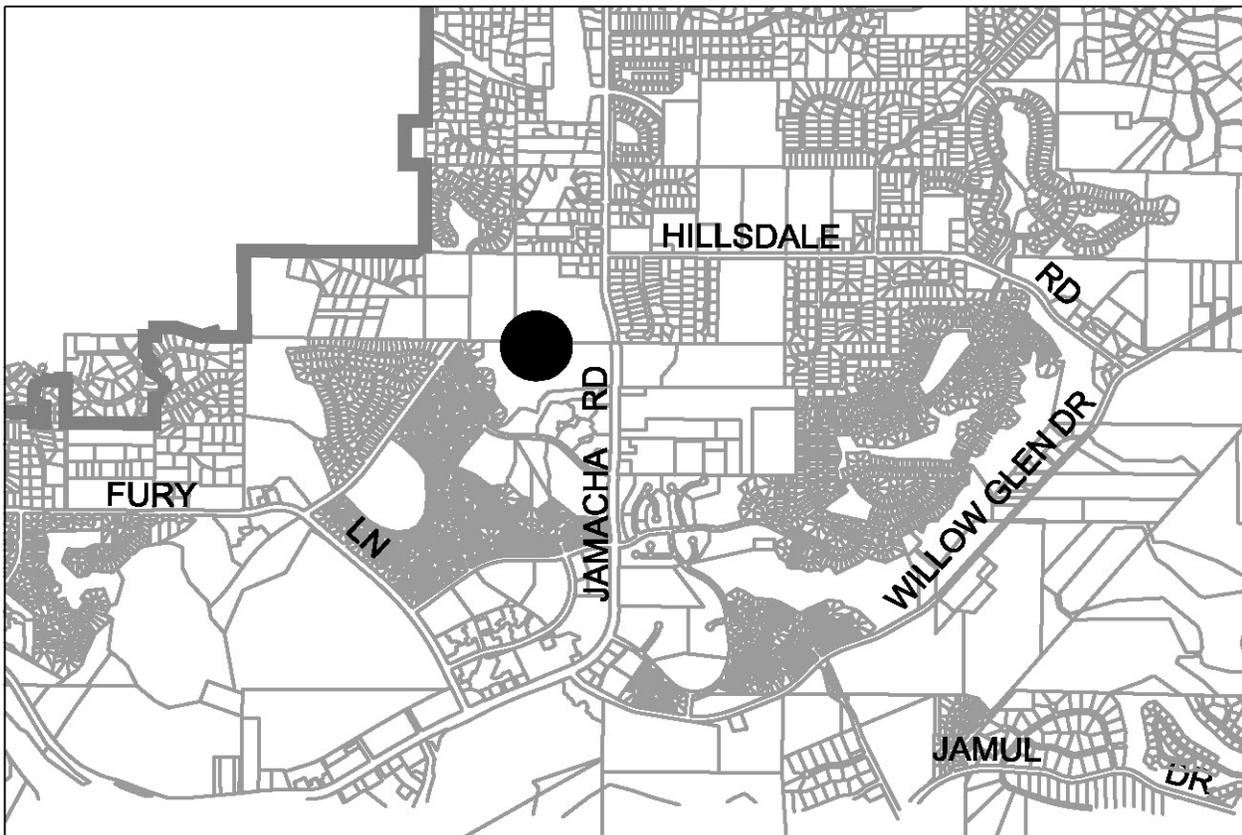
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	6/30/2013	7/31/2014	\$10
DESIGN:	8/1/2014	4/30/2015	\$60
CONSTRUCTION:	5/1/2015	11/30/2015	\$460

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 355



Submitted By: Bob Kennedy

Date: 8/18/2015

PROJECT TITLE: 850-1 Reservoir Interior/Exterior Coating

CIP Number: P2543

DIRECTOR DIVISION: 3

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$575,000

DESCRIPTION OF PROJECT:

This project provides funding for the interior and exterior coating of the 850-1 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 current Cathodic Assessment Report, the interior and exterior coatings on the 850-1 Reservoir are nearing the end of their useful life and are in need of replacement.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY							
TOTAL	2016	2017	2018	2019	2020	2021	Total	
	\$0	\$0	\$10	\$515	\$10	\$40	\$0	\$575

CIP Number: P2543

PROJECT SCHEDULE:

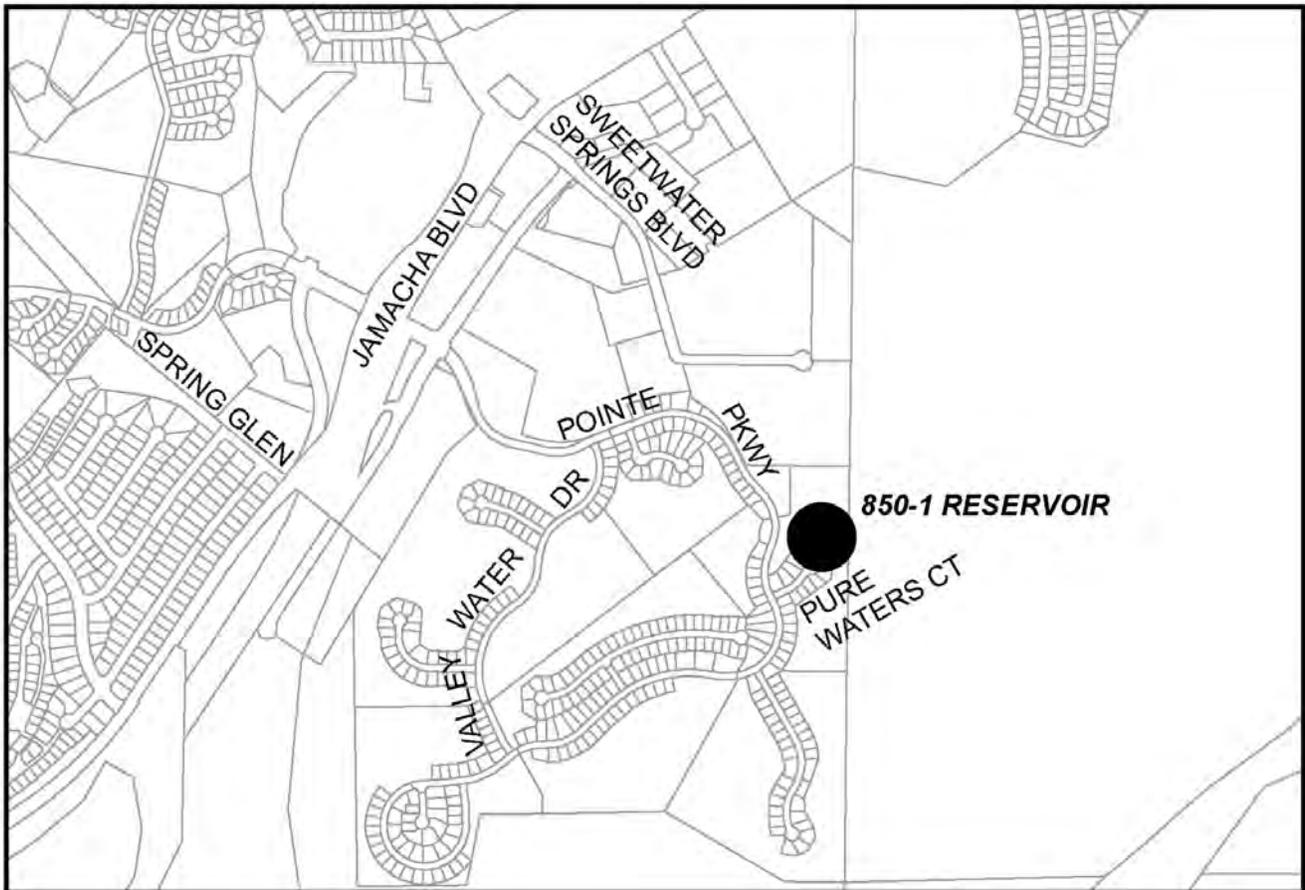
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	6/1/2018	6/29/2018	\$10
DESIGN:	7/2/2018	11/7/2018	\$40
CONSTRUCTION:	11/8/2018	6/1/2022	\$525

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 304



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: 850-2 Reservoir Interior/Exterior Reservoir Coating		CIP Number: P2544					
PROJECT MANAGER: Kevin Cameron		DIRECTOR DIVISION: 3		I.D. LOCATION: 22		PRIORITY: 2	
ORIGINAL APPROVED DATE:		BUDGET AMOUNT: \$940,000					
DESCRIPTION OF PROJECT:							
<p>This project provides funding for the interior and exterior coating of the 850-2 Reservoir. In addition, an assessment of the facility will be accomplished to assure compliance to all applicable codes and OSHA standards.</p>							
JUSTIFICATION OF PROJECT:							
<p>Based upon the current Cathodic Assessment Report, the interior and exterior coatings on the 850-2 Reservoir are nearing the end of their useful life and are in need of replacement.</p>							
COMMENTS:							
FUND DETAILS:							
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total		
Replacement	0 %	0 %	100 %	0 %	100 %		
TOTAL:	0 %	0 %	100 %	0 %	100 %		
EXPENDITURE SCHEDULE (X \$1,000):							
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$0	\$5	\$880	\$10	\$40	\$0	\$940

CIP Number: P2544

PROJECT SCHEDULE:

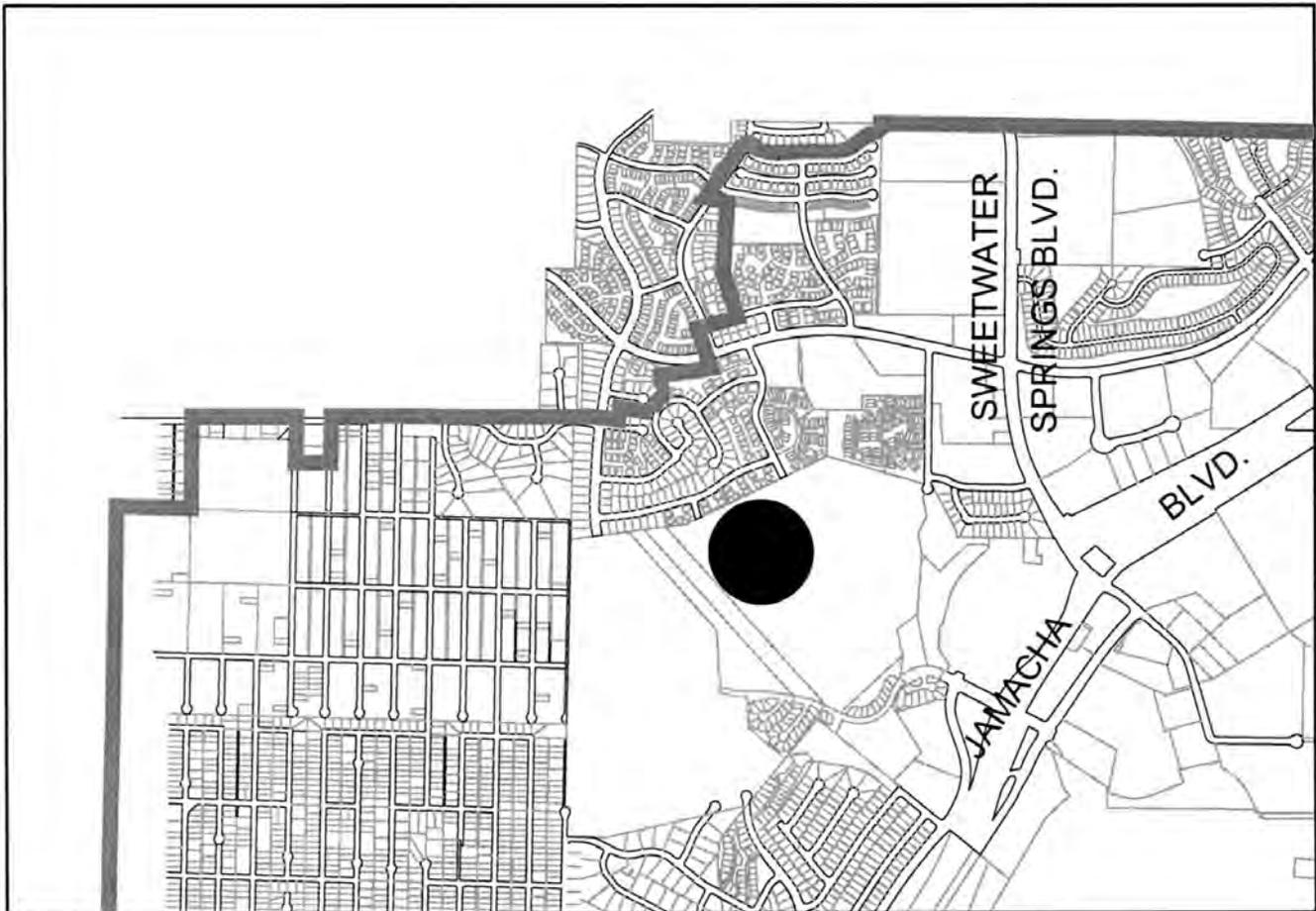
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	6/1/2018	6/29/2018	\$10
DESIGN:	7/2/2018	11/7/2018	\$65
CONSTRUCTION:	11/8/2018	6/1/2020	\$865

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 317



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: 980-1 Reservoir Interior/Exterior Coating

CIP Number: P2545

DIRECTOR DIVISION: 5

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS: P2546

BUDGET AMOUNT: \$1,495,000

DESCRIPTION OF PROJECT:

This project provides funding for the interior and exterior coating of the 980-1 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 2013 Cathodic Assessment Report, the 980-1 Reservoir interior and exterior coatings are nearing the end of their useful life and are in need of replacement.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY							
TOTAL	2016	2017	2018	2019	2020	2021	Total	
	\$0	\$950	\$445	\$50	\$50	\$0	\$0	\$1,495

CIP Number: P2545

PROJECT SCHEDULE:

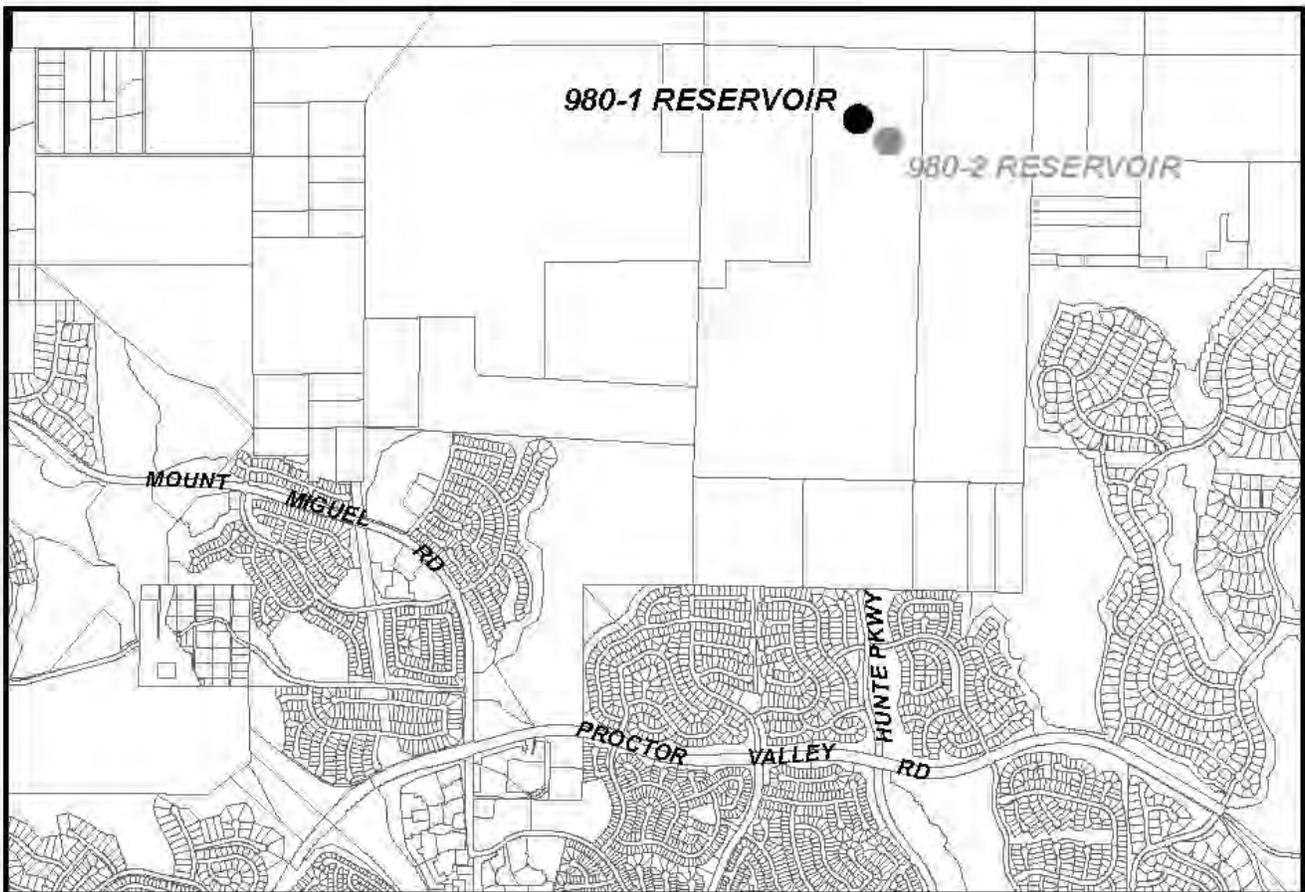
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	1/1/2015	6/30/2015	\$10
DESIGN:	7/1/2015	2/29/2016	\$85
CONSTRUCTION:	3/1/2016	12/31/2016	\$1,400

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 172



Submitted By: Bob Kennedy

Date: 8/12/2015

PROJECT TITLE: 980-2 Reservoir Interior/Exterior Coating

CIP Number: P2546

DIRECTOR DIVISION: 5

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS: P2545

BUDGET AMOUNT: \$1,450,000

DESCRIPTION OF PROJECT:

This project provides funding for the interior and exterior coating of the 980-2 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 current Cathodic Assessment Report, the interior and exterior coatings on the 980-2 Reservoir are nearing the end of their useful life and are in need of replacement.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$0	\$0	\$10	\$1,390	\$10	\$40	\$1,450

CIP Number: P2546

PROJECT SCHEDULE:

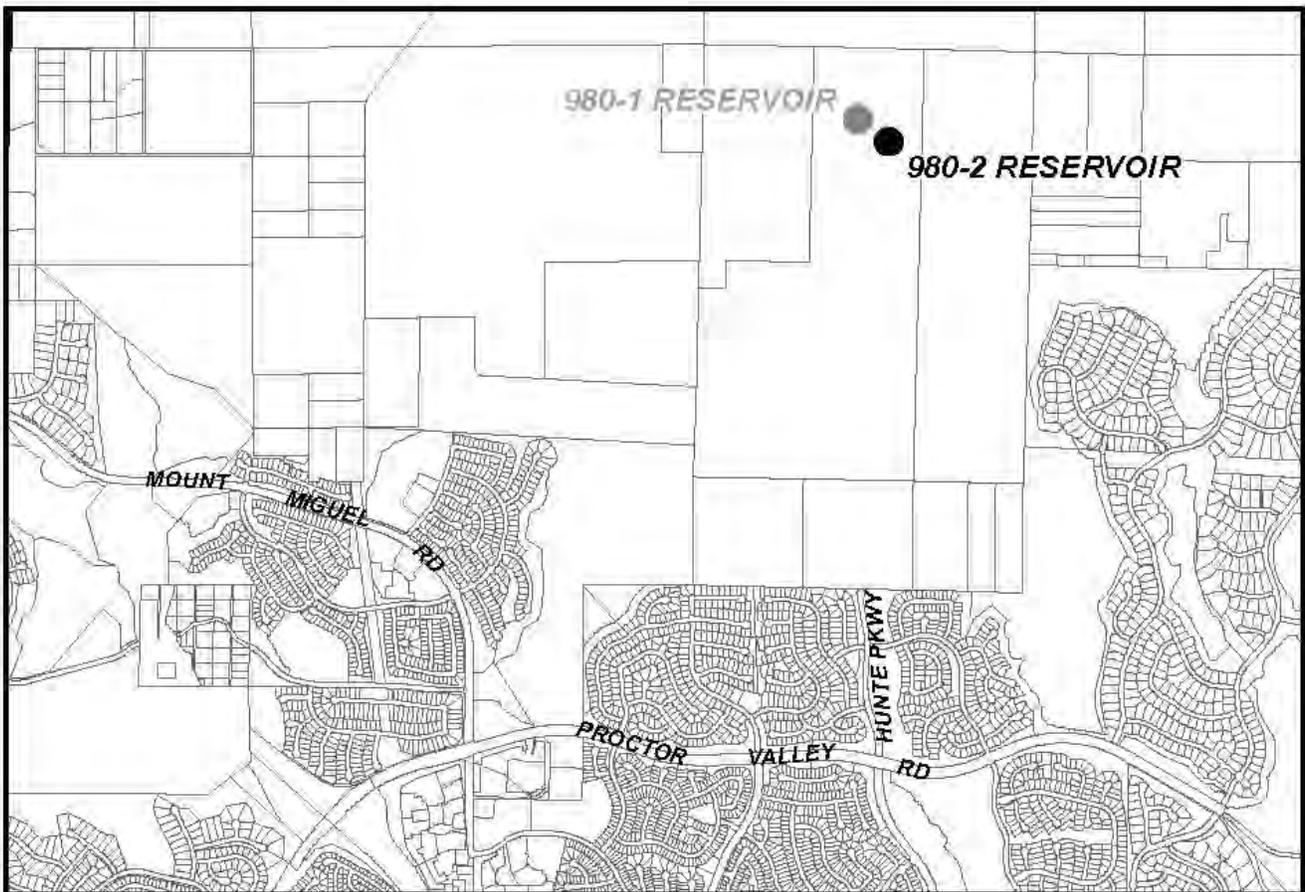
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2017	6/30/2018	\$10
DESIGN:	7/1/2018	10/31/2019	\$40
CONSTRUCTION:	11/1/2019	7/31/2020	\$1,400

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 172



Submitted By: Bob Kennedy

Date: 8/18/2015

PROJECT TITLE: Fuel Island Upgrade		CIP Number: P2550					
PROJECT MANAGER: Kent Payne		DIRECTOR DIVISION: 3		I.D. LOCATION: 22		PRIORITY: 1	
ORIGINAL APPROVED DATE:		BUDGET AMOUNT: \$75,000					
RELATED CIP PROJECTS: P2549							
DESCRIPTION OF PROJECT:							
This project is to upgrade the District's fuel system, both in the vehicles as well as the fuel island dispensers, sumps, and island.							
JUSTIFICATION OF PROJECT:							
This work is needed to comply with County requirements for the operation of the fuel island. This project will allow any employee to fill a District vehicle with no training. Authorizations and transactions will be done wireless so electrical lines run through the fuel hoses or ground loops will be used and it will also allow Management tighter control on the dispensing of fuel by placing limits on types of fueling and have better reporting features.							
COMMENTS:							
Work to improve the secondary containment and dispensing equipment in accordance with District/County Settlement agreement.							
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	2016	2017	2018	2019	2020	2021	Total
	\$0	\$75	\$0	\$0	\$0	\$0	\$75

CIP Number: P2550

PROJECT SCHEDULE:

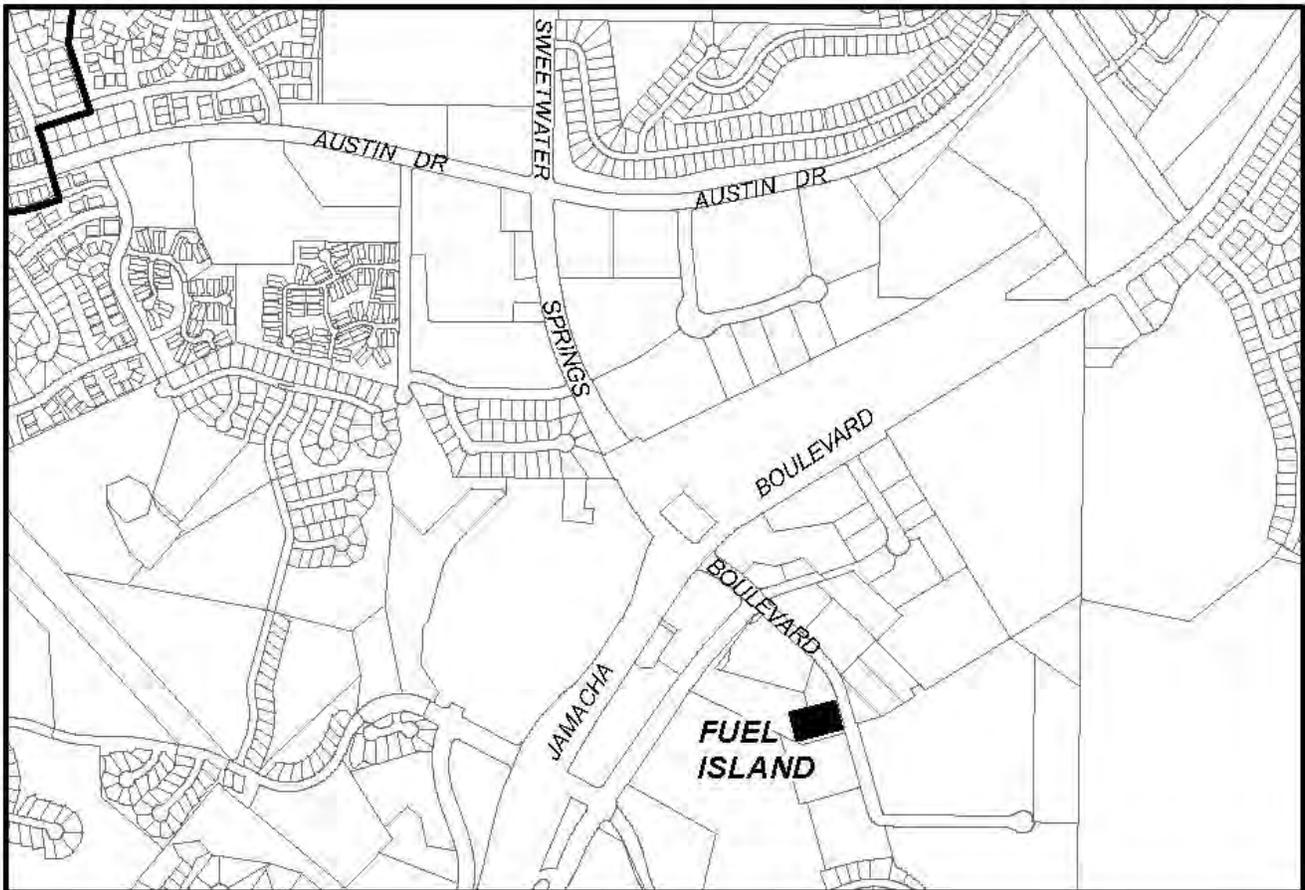
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	6/1/2015	7/31/2015	\$5
DESIGN:	8/1/2015	9/30/2015	\$10
CONSTRUCTION:	10/1/2015	12/31/2015	\$60

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 318



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE:	Heritage Road Bridge Replacement and Utility Relocation	CIP Number:	P2553
PROJECT MANAGER:	Kevin Cameron	DIRECTOR DIVISION:	2
ORIGINAL APPROVED DATE:		I.D. LOCATION:	22
RELATED CIP PROJECTS:		PRIORITY:	2
		BUDGET AMOUNT:	\$1,200,000

DESCRIPTION OF PROJECT:

The existing 16-Inch potable water pipeline to Sleep-Train Amphitheatre and Aquatica Seaworld's Waterpark was built under the Otay River.

The City of Chula Vista is planning to replace the Heritage Road Bridge (Project No. STM-364). The District has requested the City reserve room in the bridge for a 16-inch steel pipeline for potable use and an 8-inch pipeline for future recycled water use. In addition to the bridge crossing, approximately 1,600 linear feet of 16-inch potable water pipeline is required. An existing 16-inch ACP pipeline in Otay River will be abandoned or converted to recycled water use.

JUSTIFICATION OF PROJECT:

A new bridge crossing of the Otay River at Heritage Road provides an opportunity for the District to relocate a pipeline out of the river into a more secure location and also provides an economical way to build a recycled water pipeline to these commercial customers.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$0	\$10	\$100	\$290	\$645	\$155	\$0
							\$1,200

CIP Number: P2553

PROJECT SCHEDULE:

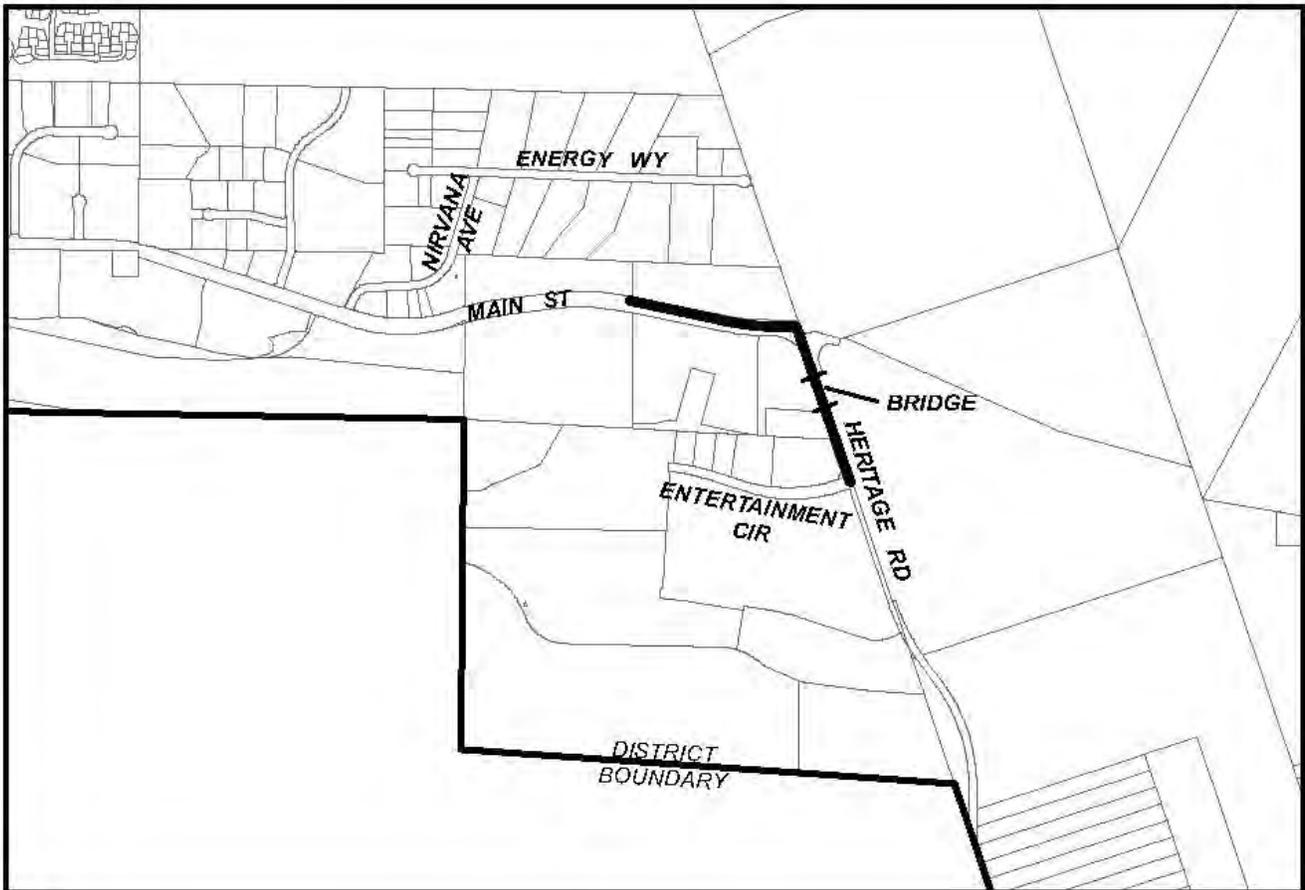
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2014	6/30/2015	\$50
DESIGN:	7/1/2015	6/30/2016	\$150
CONSTRUCTION:	7/1/2016	6/30/2020	\$1,000

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 50 & 51



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: 520 Res Recirculation Pipeline Chemical Supply and Analyzer
Feed Replacement Project

CIP Number: P2557

PROJECT MANAGER: Stephen Beppler

DIRECTOR DIVISION: 5

ORIGINAL APPROVED DATE:

I.D. LOCATION: 22

RELATED CIP PROJECTS:

PRIORITY: 1

BUDGET AMOUNT: \$100,000

DESCRIPTION OF PROJECT:

The existing chemical feed lines are cast/black iron and need to be replaced with new dual wall CPVC chemical feed lines. Other miscellaneous improvements needed. Length approximately 150 feet.

JUSTIFICATION OF PROJECT:

The existing chemical feed lines for the 520 Reservoir are experiencing deterioration and not designed to current code for providing chemical containment.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$0	\$1	\$29	\$65	\$5	\$0	\$100

CIP Number: P2557

PROJECT SCHEDULE:

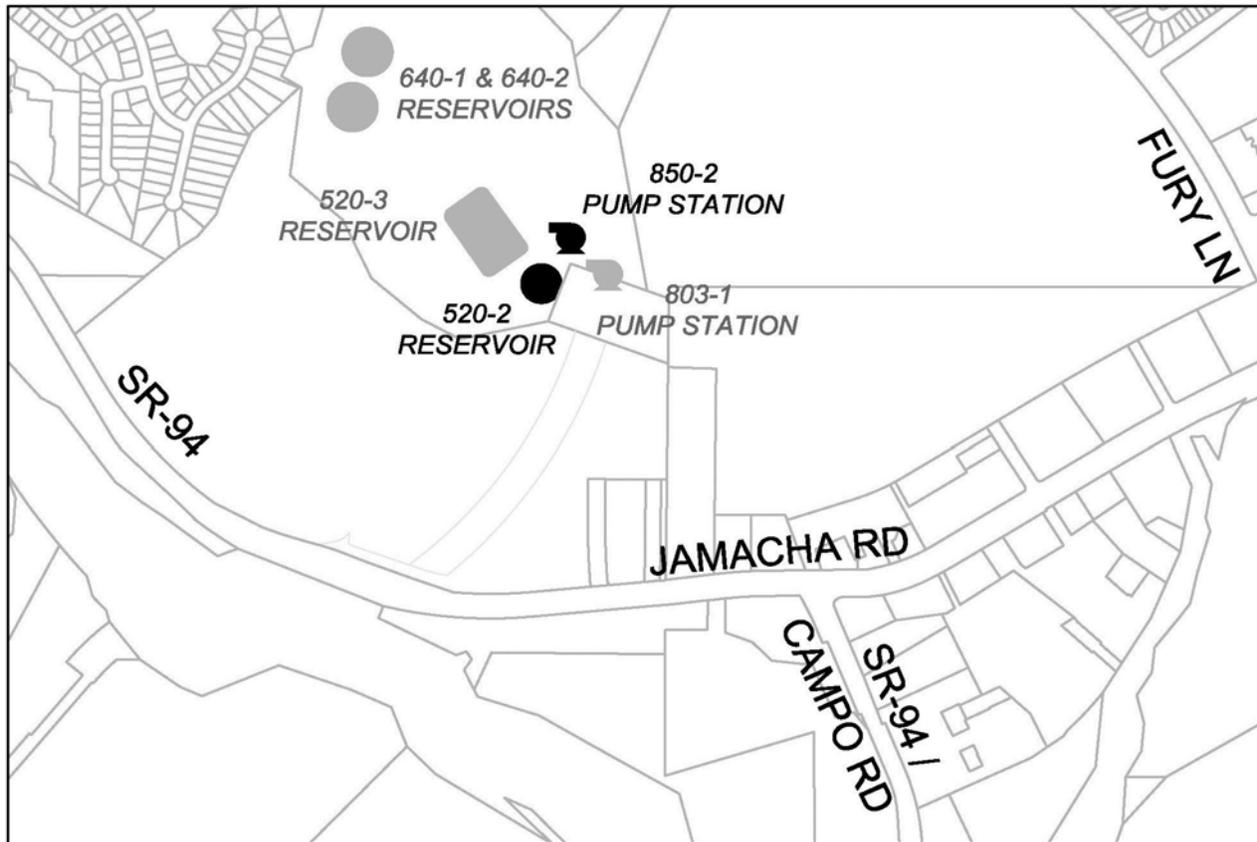
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	6/30/2016	\$5
DESIGN:	7/1/2016	6/30/2017	\$25
CONSTRUCTION:	7/1/2017	6/30/2019	\$70

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 343



Submitted By: Jolene Fielding

Date: 5/11/2015

PROJECT TITLE: Additional Pump Station Fuel Storage

CIP Number: P2558

DIRECTOR DIVISION: 255

PROJECT MANAGER: Doug Rahders

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$25,000

DESCRIPTION OF PROJECT:

Purchase and install two additional bulk diesel fuel storage tanks for the 1004-2 pump station and 1100-1 hydro station.

JUSTIFICATION OF PROJECT:

Based on an emergency diesel fuel storage study, during an extended emergency power outage current fuel storage at both the 1004-2 p/s and 1100-1 h/s offers less than a day's worth of fuel usage. District staff will add in one above ground diesel fuel storage tank at each site to provide double the run time of the emergency standby gensets during a power outage.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$0	\$25	\$0	\$0	\$0	\$0	\$25

CIP Number: P2558

PROJECT SCHEDULE:

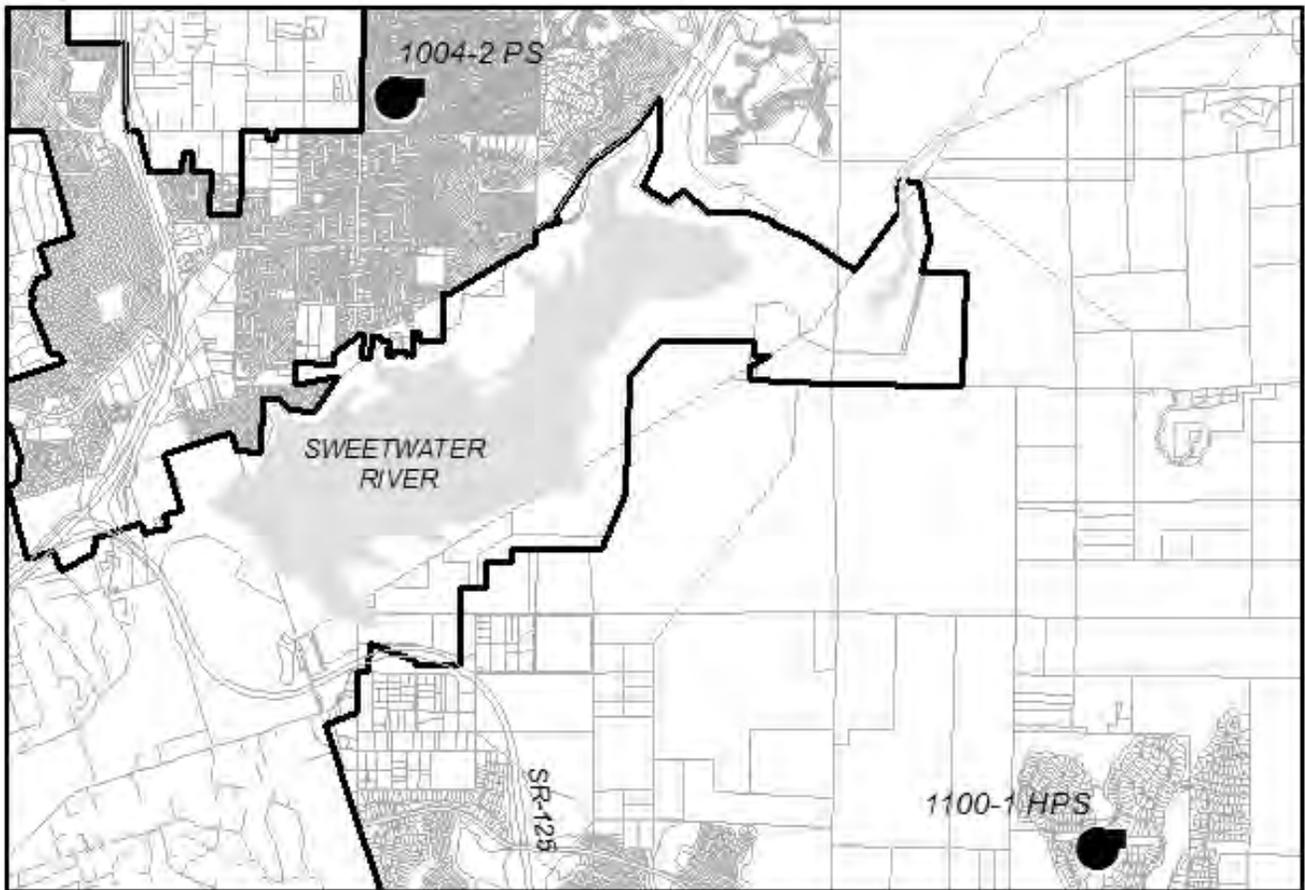
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2015	6/30/2016	\$25

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 302 & 160



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: Pressure Vessel Repair and Replacement Program

CIP Number: P2559

DIRECTOR DIVISION: 0

PROJECT MANAGER: Jeff Marchioro

I.D. LOCATION: District Wide

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$300,000

DESCRIPTION OF PROJECT:

An assessment of thirteen existing steel pressure vessels, including five hydropneumatic and eight surge tanks of various ages, is needed to determine the remaining useful life of each facility. Pressure vessel interiors and exteriors and appurtenances will be repaired, coated, and/or replaced entirely.

JUSTIFICATION OF PROJECT:

Pressure vessels are a key component of thirteen existing District pump stations. Routine inspection by qualified professionals, and follow up repair and/or replacement, is needed to preserve the life expectancy of each pressure vessel and associated pump station 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						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$0	\$50	\$250	\$0	\$0	\$0	\$300

CIP Number: P2559

PROJECT SCHEDULE:

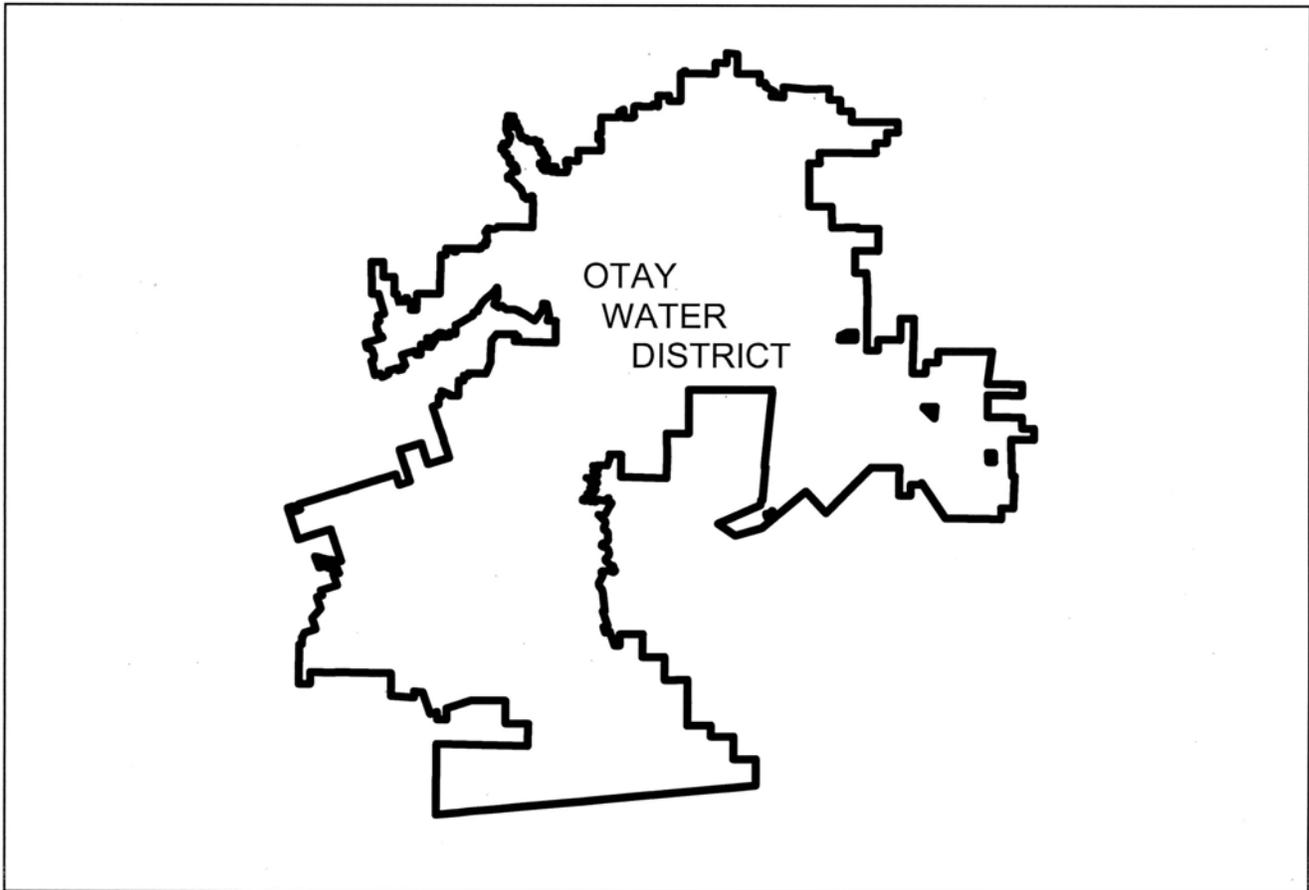
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	12/31/2016	\$10
DESIGN:	1/1/2016	12/31/2016	\$50
CONSTRUCTION:	3/1/2016	6/30/2017	\$240

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book:



Submitted By: OTAY\Jeff.Marchioro

Date: 5/6/2015

PROJECT TITLE: Administration Carpet Replacement Program		CIP Number: P2564					
PROJECT MANAGER: Kent Payne		DIRECTOR DIVISION:	3				
ORIGINAL APPROVED DATE:		I.D. LOCATION:	22				
RELATED CIP PROJECTS:		PRIORITY:	2				
		BUDGET AMOUNT:	\$215,000				
DESCRIPTION OF PROJECT:							
<p>Covers material and labor costs for a phased replacement of the existing carpet in the following areas and in order of need: Customer Service; Finance; GM Suite; Admin Services; Engineering; and Training Room. Materials specified include commercial grade carpet tile and broadloom. Installation has little to no impact on daily operations with cubicle lift-in-place technologies and night/weekend work.</p>							
JUSTIFICATION OF PROJECT:							
<p>The existing carpet was installed in 1997 during the Headquarters expansion and remodel. Normal carpet lifespan is 10-12 years; at 18 years, Admin carpet is 150-180% lifespan and shows its age including deep wear patterns with areas of backing separation, indelible stains and extreme fading as noted with recent cubicle removal and planned removal due to downsizing.</p>							
COMMENTS:							
FUND DETAILS:							
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total		
Replacement	0 %	0 %	100 %	0 %	100 %		
TOTAL:	0 %	0 %	100 %	0 %	100 %		
EXPENDITURE SCHEDULE (X \$1,000):							
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$0	\$65	\$75	\$75	\$0	\$0	\$215

CIP Number: P2564

PROJECT SCHEDULE:

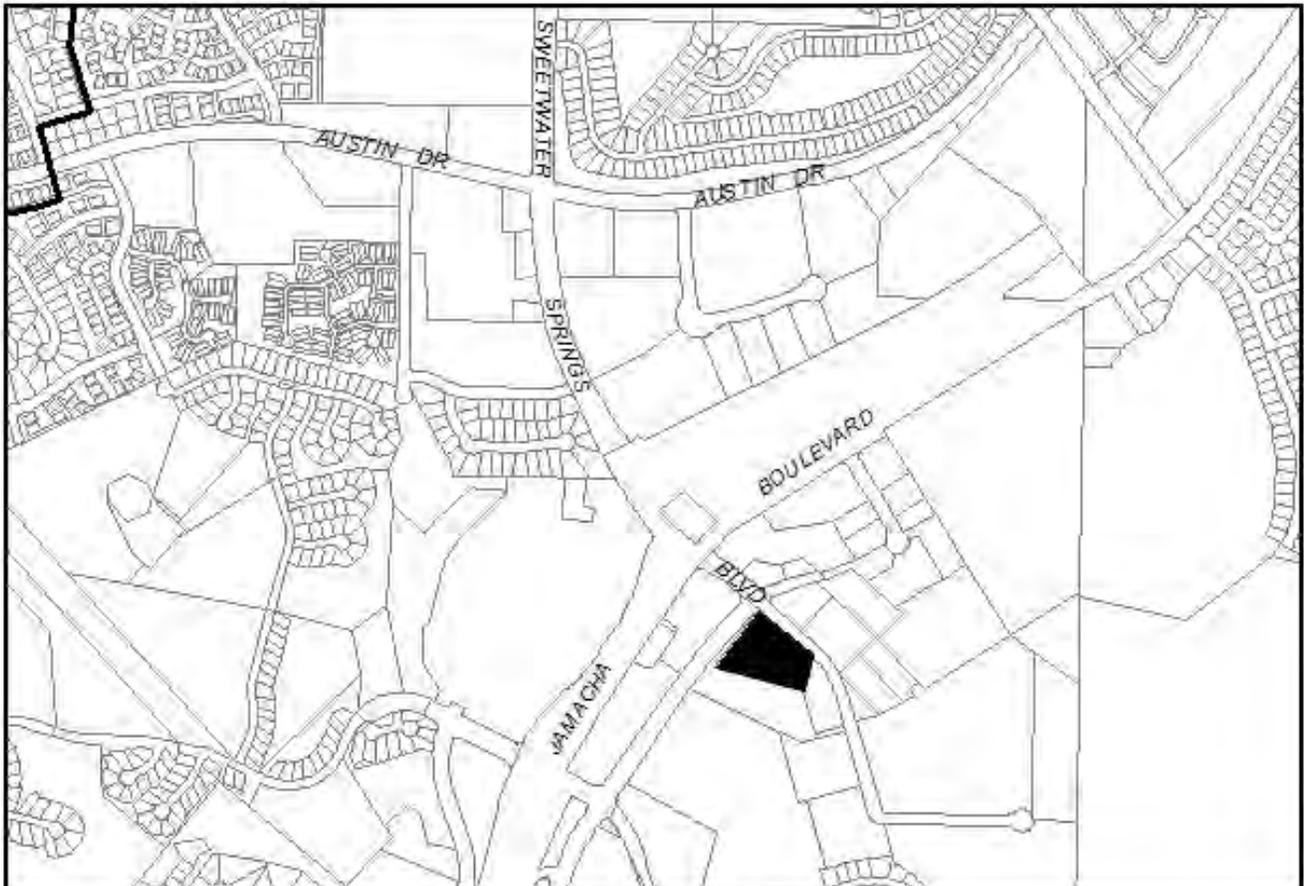
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2015	6/30/2018	\$215

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 318



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: 803-2 Reservoir Interior/Exterior Coating & Upgrades

CIP Number: P2565

DIRECTOR DIVISION: 5

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$725,000

DESCRIPTION OF PROJECT:

This project provides funding for the interior and exterior coating of the 803-2 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 2013 Cathodic Assessment Report, the 803-2 Reservoir interior and exterior coatings are near the end of their useful life and in need of replacement.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$0	\$0	\$0	\$5	\$675	\$45	\$725

CIP Number: P2565

PROJECT SCHEDULE:

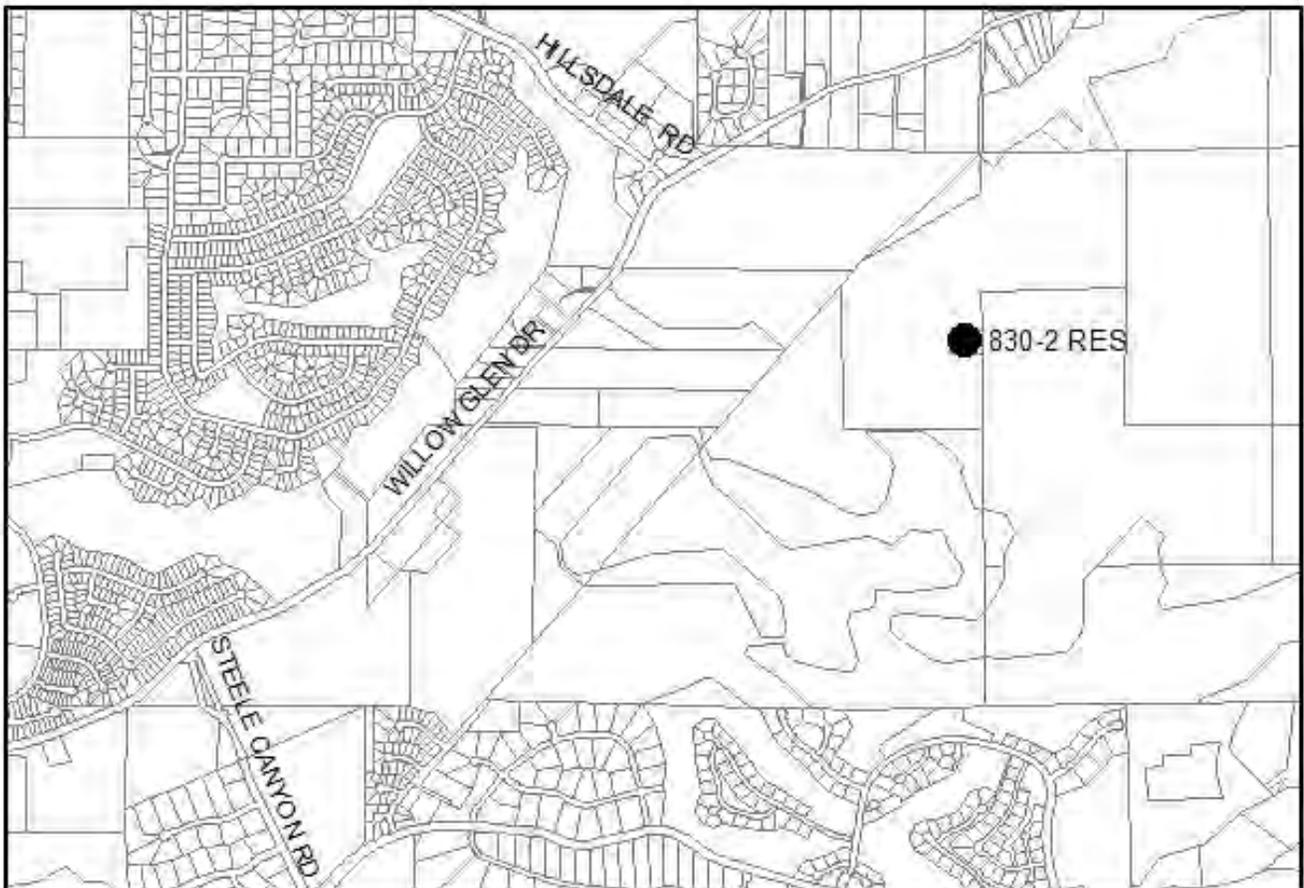
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	1/1/2019	6/30/2019	\$5
DESIGN:	7/1/2019	10/1/2019	\$70
CONSTRUCTION:	10/2/2019	6/30/2020	\$650

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 357



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: 520-2 Reservoir Interior/Exterior Coating & Upgrades

CIP Number: P2566

DIRECTOR DIVISION: 5

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 3

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$1,790,000

DESCRIPTION OF PROJECT:

This project provides funding for the interior and exterior coating of the 520-2 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 2013 Cathodic Assessment Report, the 520-2 Reservoir interior and exterior coatings are at the end of their useful life and in need of replacement.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$0	\$0	\$0	\$0	\$10	\$1,780	\$1,790

CIP Number: P2566

PROJECT SCHEDULE:

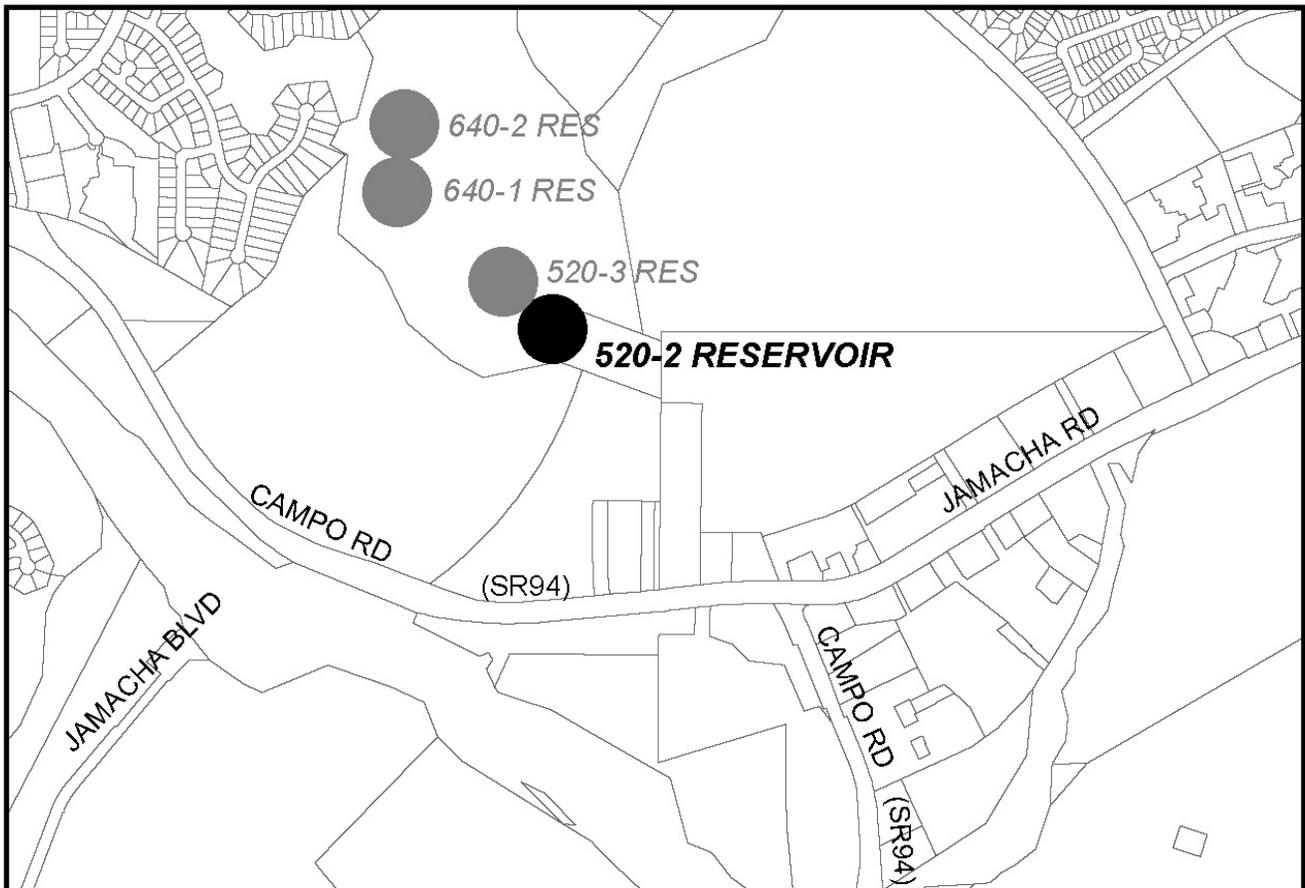
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	1/4/2021	6/30/2021	\$10
DESIGN:	7/1/2021	9/30/2021	\$90
CONSTRUCTION:	10/1/2021	6/30/2022	\$1,690

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 343



Submitted By: Jolene Fielding

Date: 5/11/2015

PROJECT TITLE: 1004-2 Reservoir Interior/Exterior Coating & Upgrades

CIP Number: P2567

DIRECTOR DIVISION: 3

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 3

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$565,000

DESCRIPTION OF PROJECT:

This project provides funding for the interior and exterior coating of the 1004-2 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 2013 Cathodic Assessment Report, the 1004-2 Reservoir interior and exterior coatings are at the end of their useful life and in need of replacement.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$0	\$0	\$0	\$0	\$10	\$555	\$565

CIP Number: P2567

PROJECT SCHEDULE:

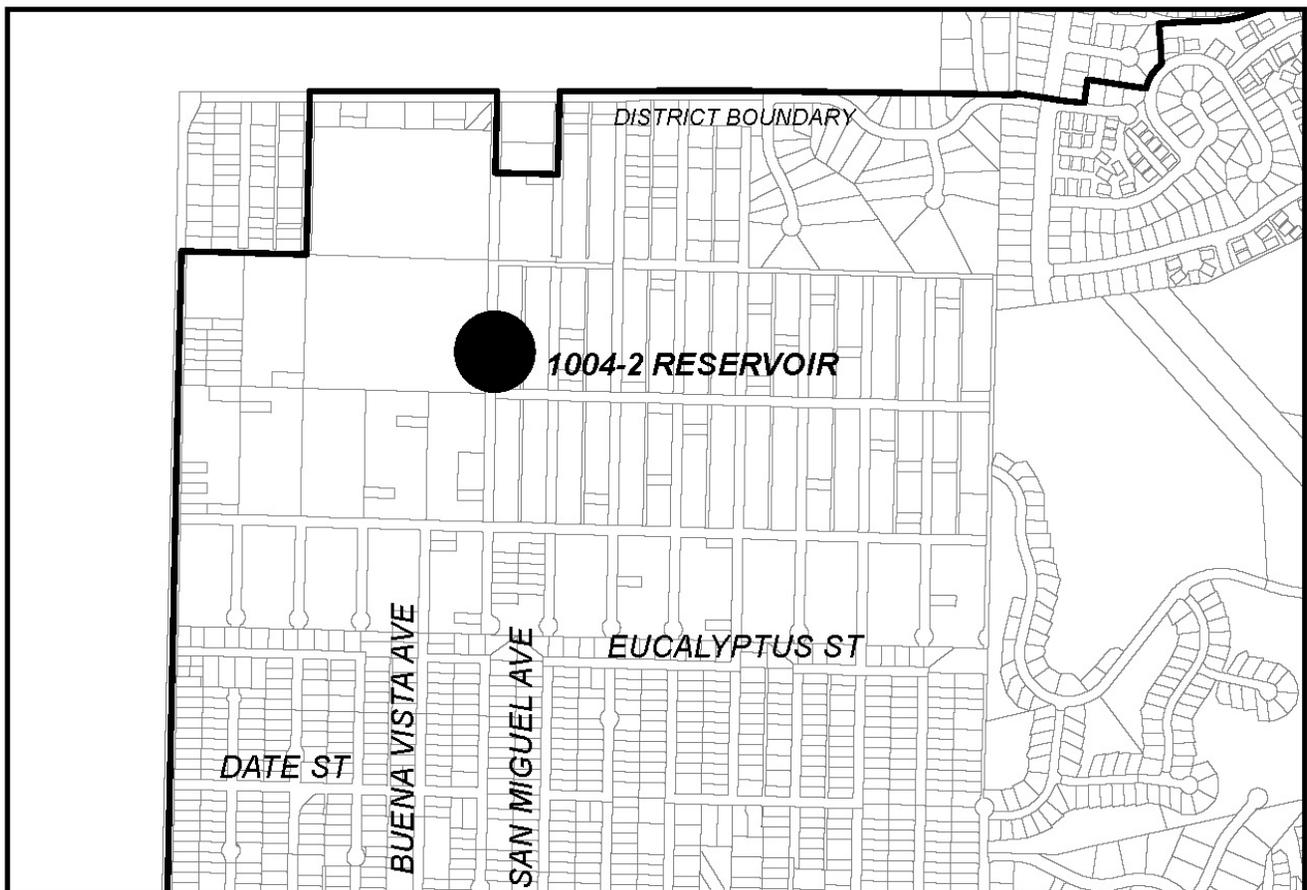
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	1/4/2021	6/30/2021	\$10
DESIGN:	7/1/2021	9/30/2021	\$65
CONSTRUCTION:	10/1/2021	6/30/2022	\$490

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 316



Submitted By: Jolene Fielding

Date: 5/11/2015

PROJECT TITLE:	Sweetwater River Wooden Trestle Improvement for the Recycled Water Forcemain	CIP Number: R2109					
		DIRECTOR DIVISION: 3					
PROJECT MANAGER:	Stephen Beppler	I.D. LOCATION: 22/27					
ORIGINAL APPROVED DATE:	5/14/2014	PRIORITY: 2					
RELATED CIP PROJECTS:		BUDGET AMOUNT: \$600,000					
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	2016	2017	2018	2019	2020	2021	Total
	\$106	\$400	\$10	\$0	\$0	\$0	\$516

CIP Number: R2109

PROJECT SCHEDULE:

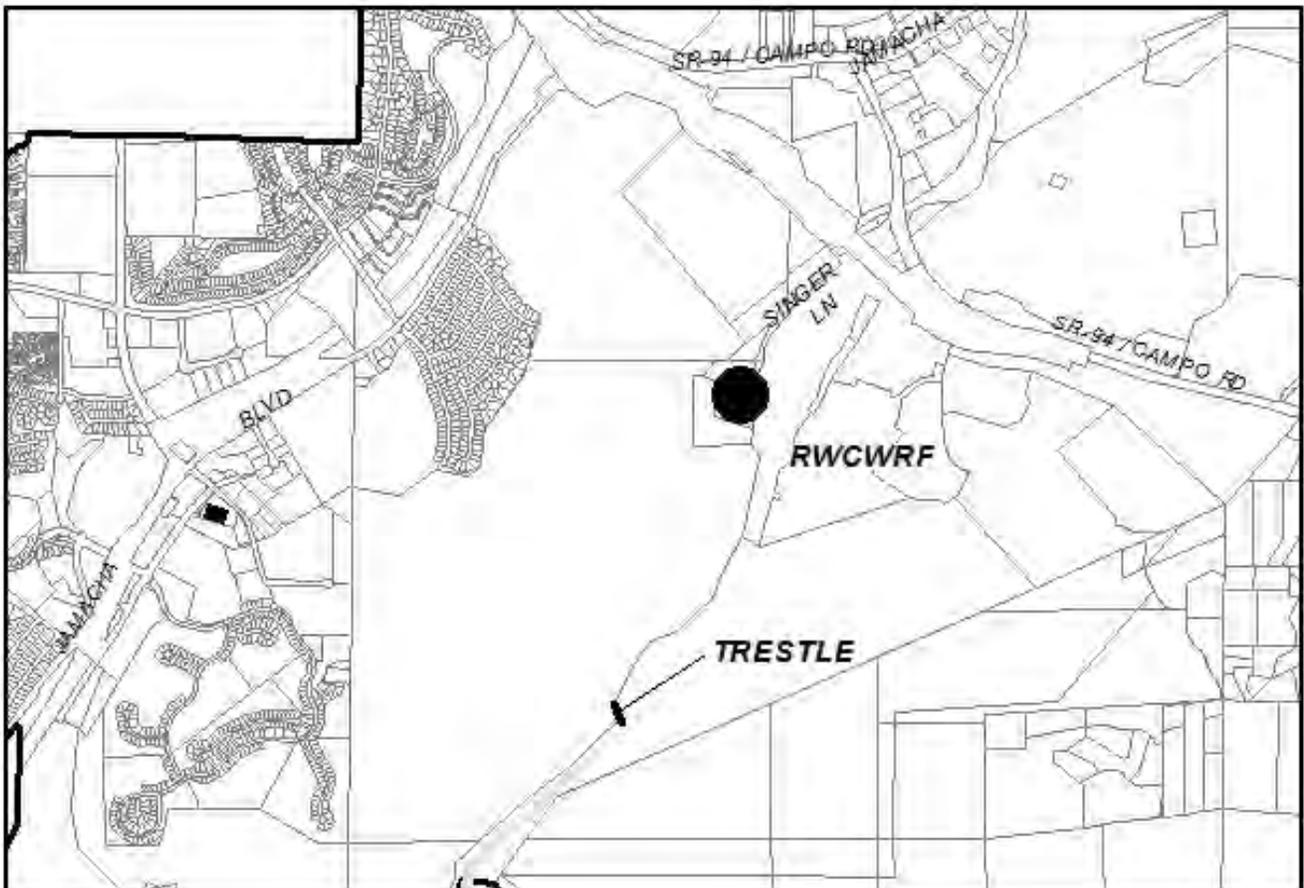
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	6/30/2014	12/31/2014	\$100
DESIGN:	1/1/2015	8/31/2015	\$100
CONSTRUCTION:	9/1/2015	6/30/2016	\$400

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 319



Submitted By: Bob Kennedy

Date: 8/18/2015

PROJECT TITLE: RWCWRF - RAS Pump Replacement

CIP Number: R2111

DIRECTOR DIVISION: 3

PROJECT MANAGER: Stephen Beppler

I.D. LOCATION: 22

ORIGINAL APPROVED DATE: 5/14/2013

PRIORITY: 1

RELATED CIP PROJECTS: R2096

BUDGET AMOUNT: \$600,000

DESCRIPTION OF PROJECT:

Replace and upgrade the RAS pumps to 360 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						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$350	\$250	\$0	\$0	\$0	\$0	\$600

CIP Number: R2111

PROJECT SCHEDULE:

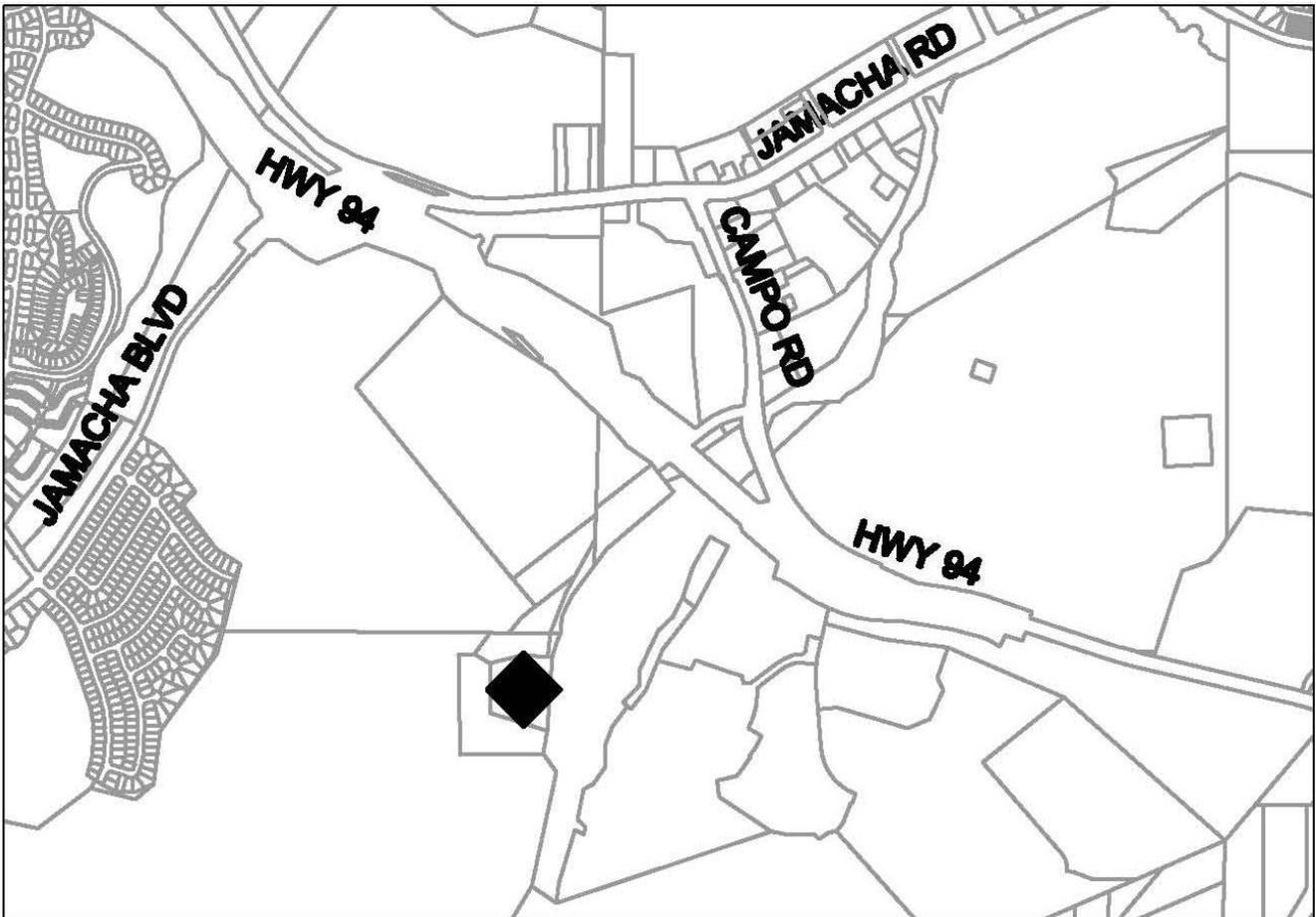
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2013	6/30/2014	\$10
DESIGN:	7/1/2014	6/30/2015	\$75
CONSTRUCTION:	7/1/2015	6/30/2016	\$515

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 319



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: 450-1 Disinfection Facility Rehabilitation

CIP Number: R2112

PROJECT MANAGER: Kevin Cameron

DIRECTOR DIVISION: 2

ORIGINAL APPROVED DATE:

I.D. LOCATION: 22

RELATED CIP PROJECTS:

PRIORITY: 1

BUDGET AMOUNT: \$265,000

DESCRIPTION OF PROJECT:

Replace the two (2) existing sodium hypochlorite tanks, relocate and replace the valves and piping on the existing sodium hypochlorite feed system, remove existing acoustic louver and replace with roll-up door.

JUSTIFICATION OF PROJECT:

One of the existing sodium hypochlorite tanks has failed and is in need of replacement. The other is approaching the end of its useful life. The sodium hypochlorite feed system has faulty valves that are no longer available. The acoustic louver was installed for a diesel generator which is no longer needed. A roll-up door will ease future replacement of equipment.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$200	\$40	\$25	\$0	\$0	\$0	\$265

CIP Number: R2112

PROJECT SCHEDULE:

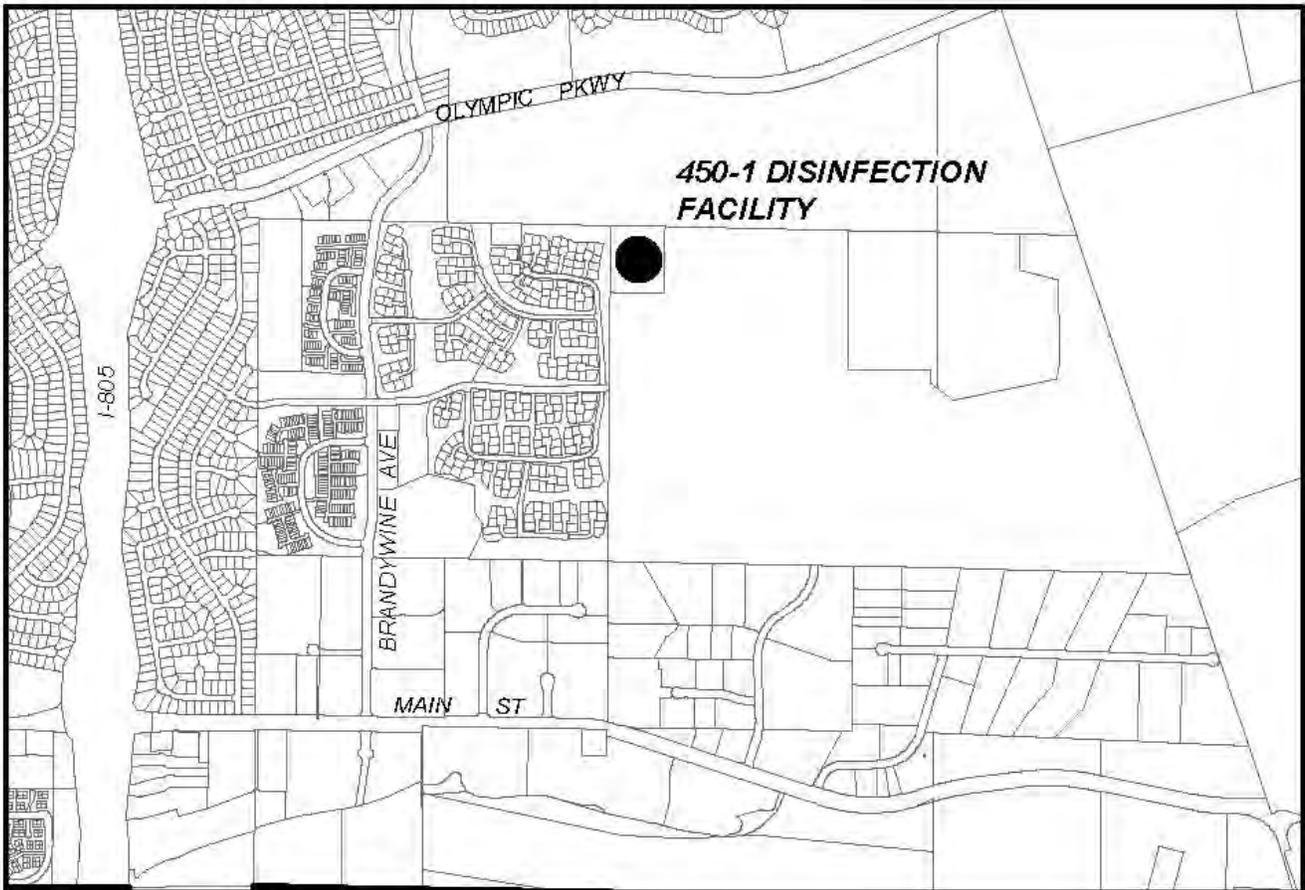
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2014	6/30/2014	\$5
DESIGN:	7/1/2014	6/30/2015	\$50
CONSTRUCTION:	7/1/2016	6/30/2017	\$200

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 66



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: RecPL - 14-Inch, 927 Zone, Forcemain Assessment and Repair

CIP Number: R2116

DIRECTOR DIVISION: 3

PROJECT MANAGER: Jeff Marchioro

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$1,750,000

DESCRIPTION OF PROJECT:

An assessment of the existing 16,000 L.F. 14-Inch CML forcemain built in 1978 is needed to determine the remaining useful life of the facility. The forcemain will be repaired and any corroded appurtenances will be replaced.

JUSTIFICATION OF PROJECT:

A leaking section of the pipeline was replaced and a condition assessment of this pipeline is recommended.

COMMENTS:

Assume 20% of the pipeline must be replaced or repaired.

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY							
TOTAL	2016	2017	2018	2019	2020	2021	Total	
	\$325	\$225	\$1,000	\$150	\$50	\$0	\$0	\$1,750

CIP Number: R2116

PROJECT SCHEDULE:

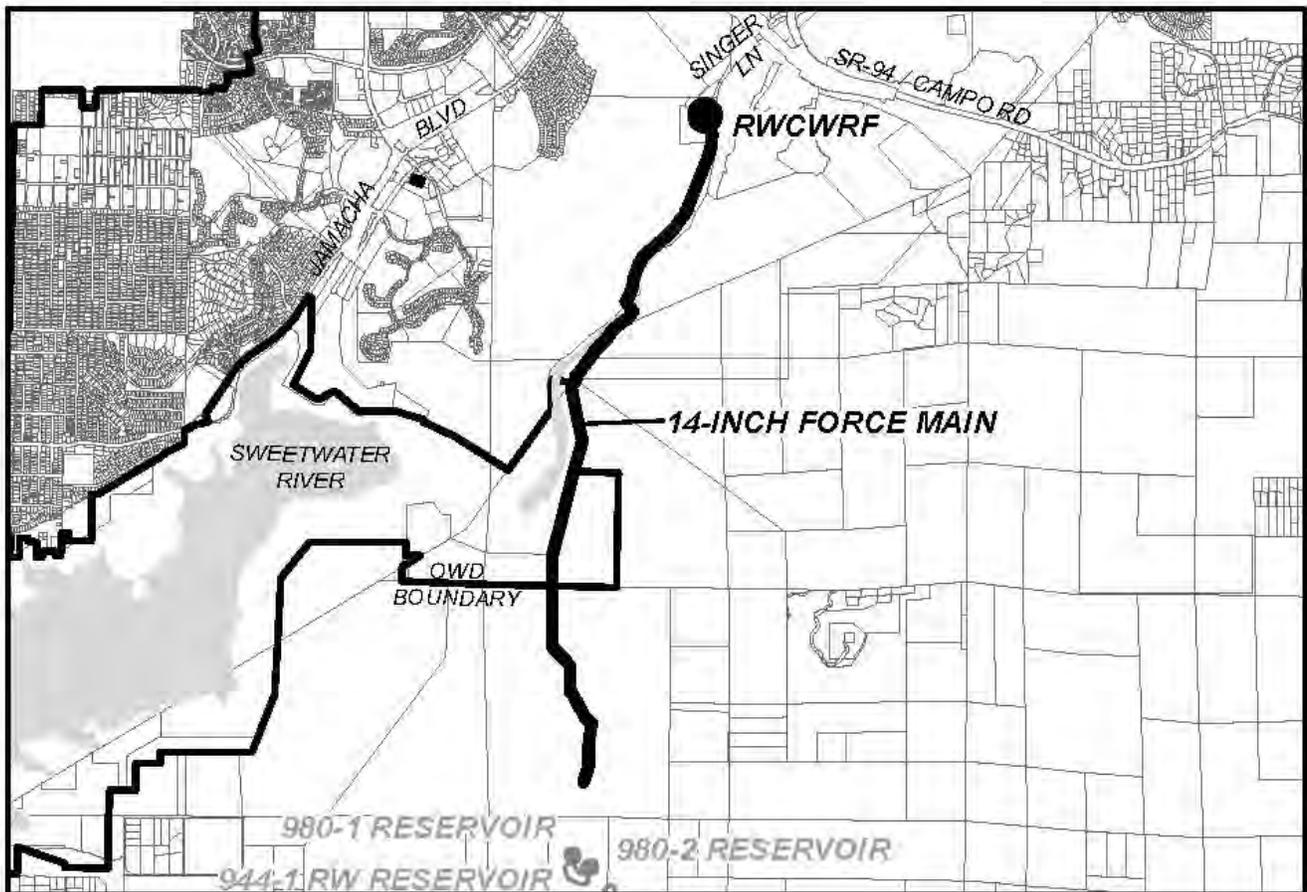
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2014	3/31/2017	\$500
DESIGN:	1/1/2015	6/30/2017	\$200
CONSTRUCTION:	1/1/2015	6/30/2019	\$1,050

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 186, 200, 304, 318,



Submitted By: OTAY\Jeff.Marchioro

Date: 5/12/2015

PROJECT TITLE: RWCWRF Filtered Water Storage Tank Improvements		CIP Number: R2120	
		DIRECTOR DIVISION:	3
PROJECT MANAGER:	Stephen Beppler	I.D. LOCATION:	22
ORIGINAL APPROVED DATE:		PRIORITY:	2
RELATED CIP PROJECTS:	R2096	BUDGET AMOUNT:	\$500,000

DESCRIPTION OF PROJECT:

Seal and recoat interior and exterior of steel tank walls and concrete floor. Construct improvements to facilitate operation and maintenance activities and compliance with all applicable codes and OSHA standards. Salvage or replace and improve existing floating cover.

JUSTIFICATION OF PROJECT:

HDR Engineering's Inspection and Condition Assessment Report dated May 2015 recommended structural improvements, replacement of interior and exterior coatings, and replacement of the cathodic protection system. The coatings are in relatively poor condition and in need of replacement.

COMMENTS:

FUND DETAILS:					
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Betterment ID 22	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	2016	2017	2018	2019	2020	2021	Total
	\$0	\$10	\$245	\$245	\$0	\$0	\$500

CIP Number: R2120

PROJECT SCHEDULE:

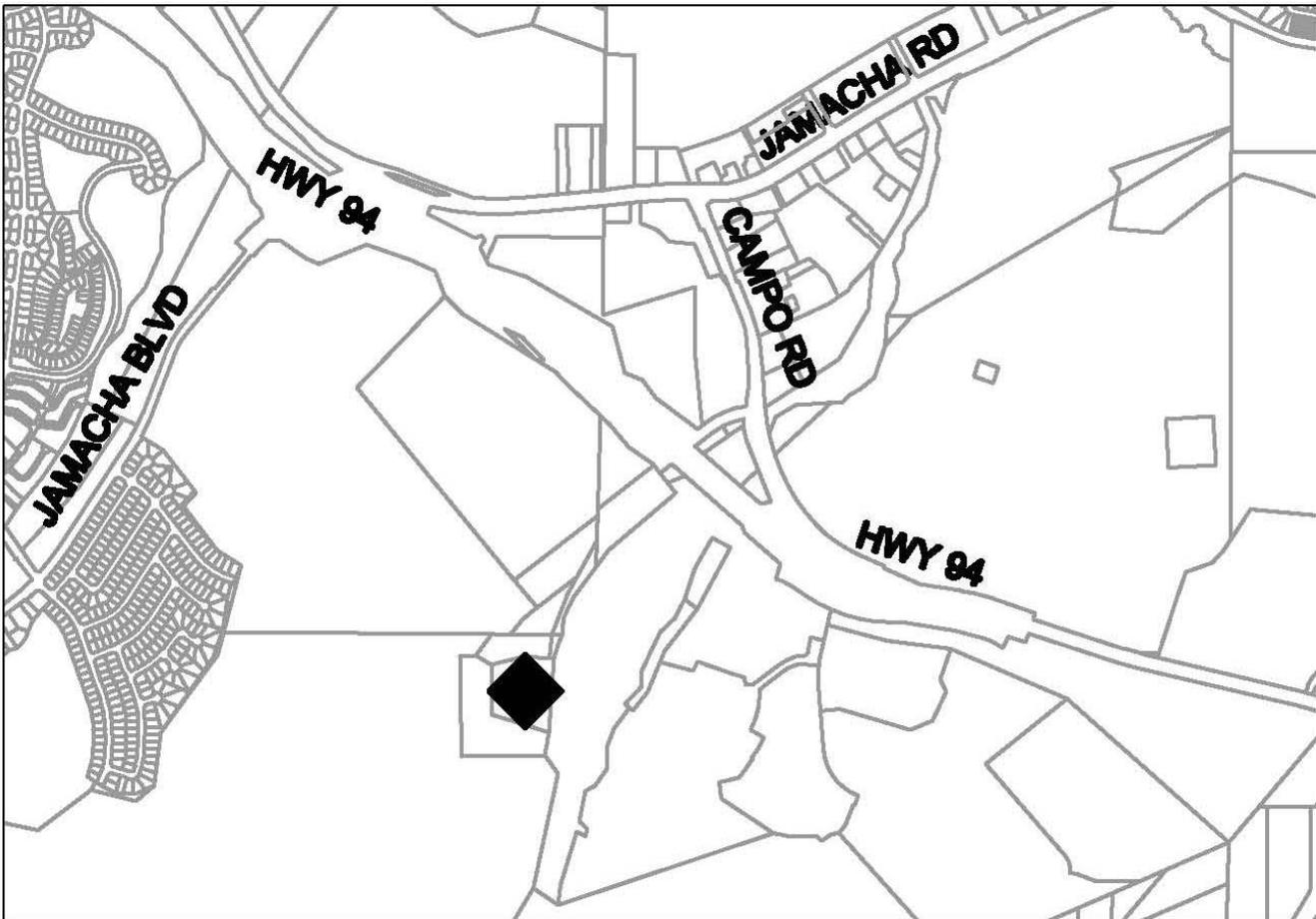
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	2/1/2016	\$10
DESIGN:	2/2/2016	1/5/2018	\$40
CONSTRUCTION:	1/8/2018	6/30/2018	\$450

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 319



Submitted By: Bob Kennedy

Date: 8/21/2015

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

CIP Number: S2012

PROJECT MANAGER: Stephen Beppler

DIRECTOR DIVISION: 3

ORIGINAL APPROVED DATE: 6/4/2003

I.D. LOCATION: 18

RELATED CIP PROJECTS:

PRIORITY: 1

BUDGET AMOUNT: \$3,550,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$835	\$50	\$150	\$150	\$200	\$250	\$300
							\$1,935

CIP Number: S2012

PROJECT SCHEDULE:

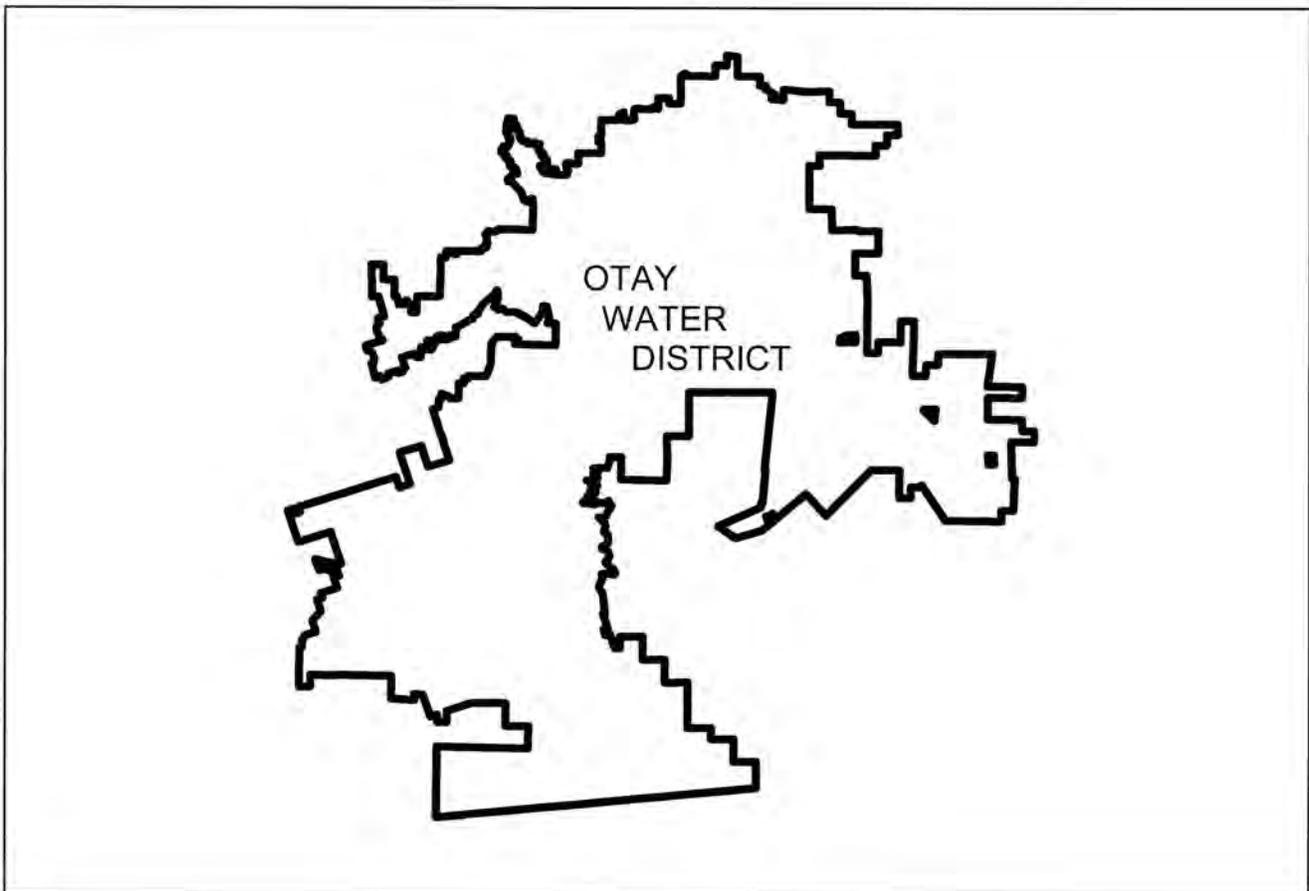
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2003	6/30/2025	\$3,550

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/11/2015

PROJECT TITLE: Campo Road Sewer Main Replacement		CIP Number: S2024					
PROJECT MANAGER: Stephen Beppler		DIRECTOR DIVISION: 3		I.D. LOCATION: 18		PRIORITY: 2	
ORIGINAL APPROVED DATE: 5/17/2010		BUDGET AMOUNT: \$5,500,000					
RELATED CIP PROJECTS:							
DESCRIPTION OF PROJECT:							
<p>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.</p>							
JUSTIFICATION OF PROJECT:							
<p>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.</p>							
COMMENTS:							
FUND DETAILS:							
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total		
Betterment ID 18	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	2016	2017	2018	2019	2020	2021	Total
	\$600	\$500	\$3,400	\$1,000	\$0	\$0	\$5,500

CIP Number: S2024

PROJECT SCHEDULE:

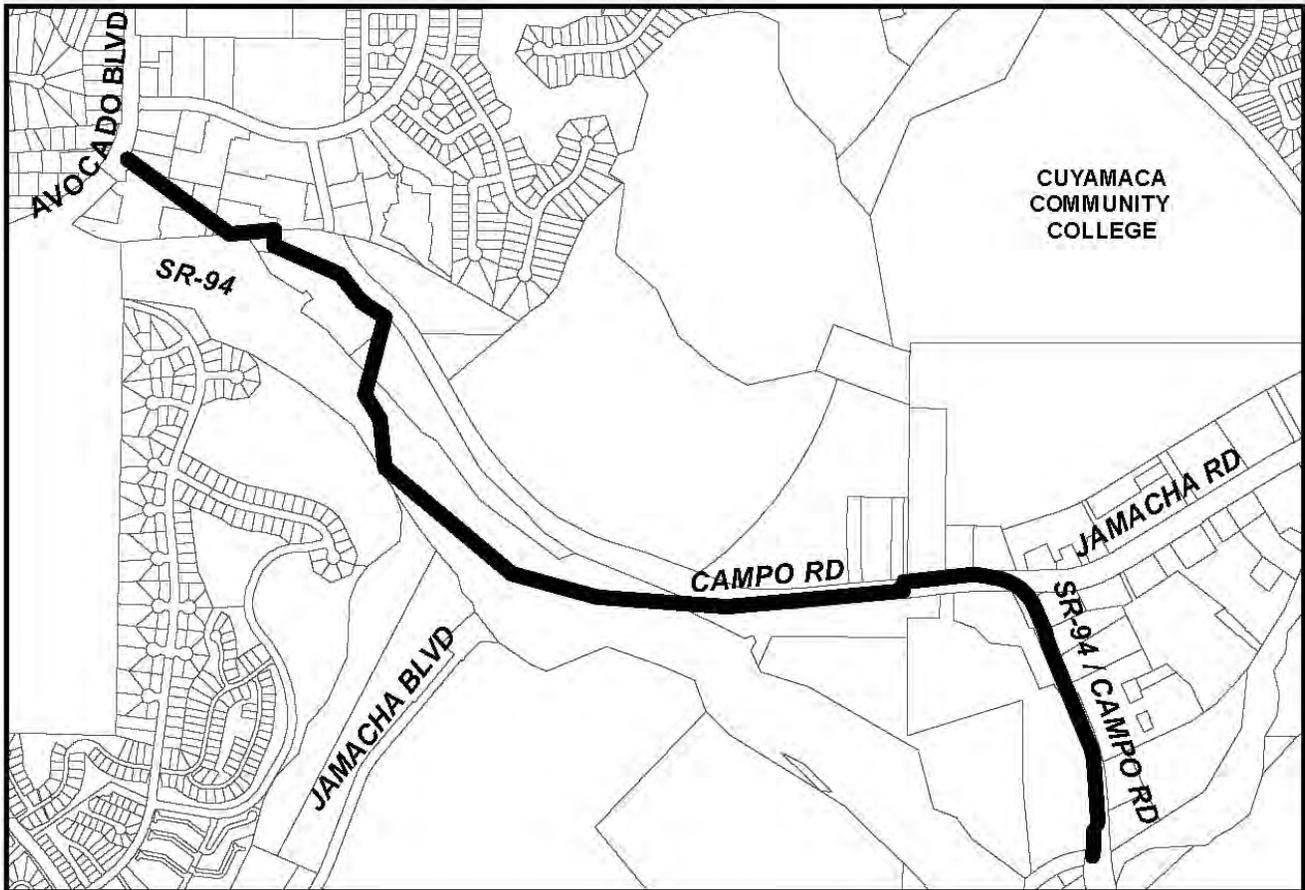
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2010	12/31/2014	\$100
DESIGN:	1/1/2015	6/30/2016	\$900
CONSTRUCTION:	7/1/2016	6/30/2017	\$4,500

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 330



Submitted By: Bob Kennedy

Date: 8/18/2015

PROJECT TITLE: Rancho San Diego Pump Station Rehabilitation

CIP Number: S2027

DIRECTOR DIVISION: 3

PROJECT MANAGER: Stephen Beppler

I.D. LOCATION: 18

ORIGINAL APPROVED DATE: 5/16/2011

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$3,500,000

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							
TOTAL	2016	2017	2018	2019	2020	2021	Total	
	\$265	\$320	\$1,000	\$1,000	\$915	\$0	\$0	\$3,500

CIP Number: S2027

PROJECT SCHEDULE:

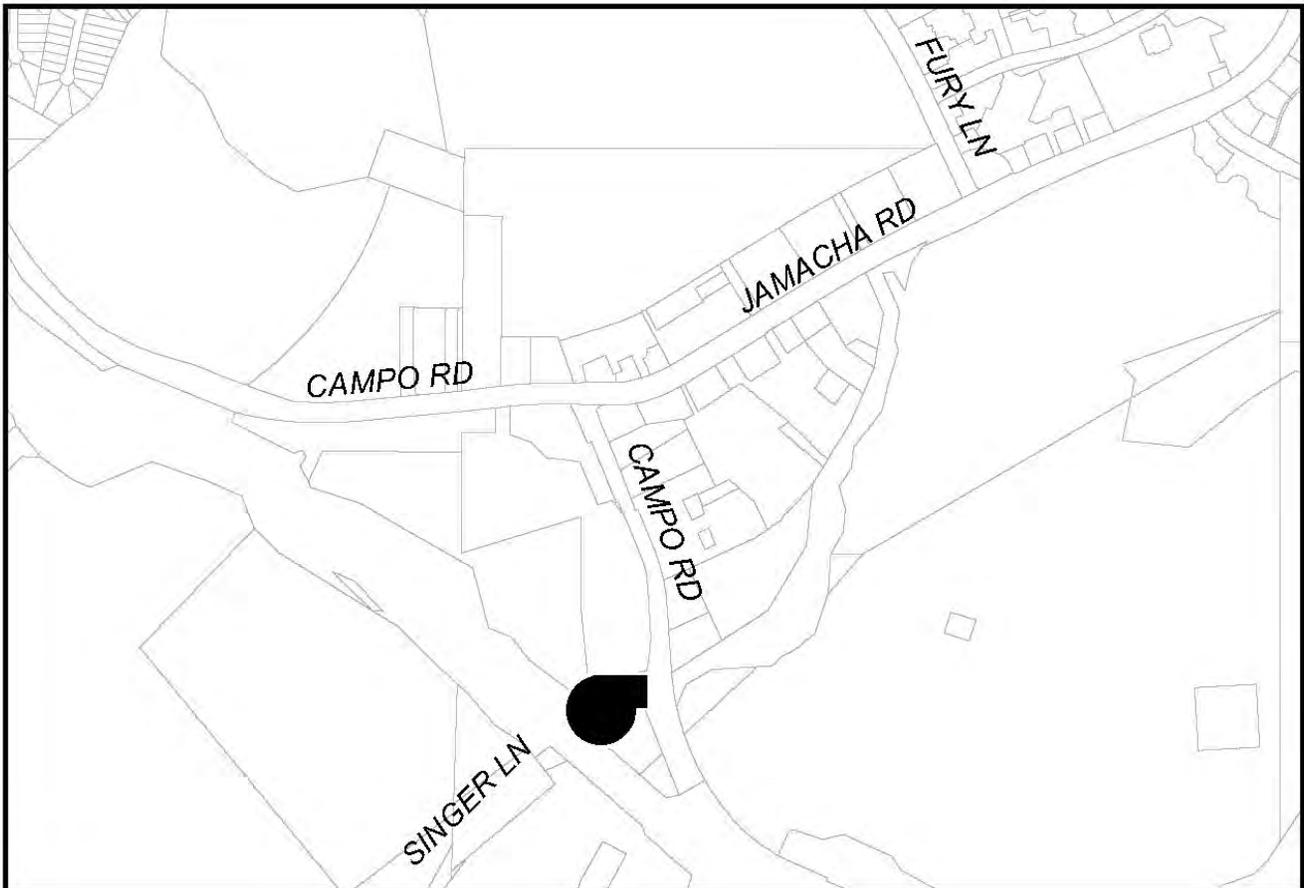
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2011	7/1/2013	\$50
DESIGN:	7/1/2013	6/30/2015	\$500
CONSTRUCTION:	7/1/2015	6/30/2019	\$2,950

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 331



Submitted By: Rita Bell

Date: 4/27/2015

PROJECT TITLE: Sewer System Rehabilitation		CIP Number: S2033					
PROJECT MANAGER: Stephen Beppler		DIRECTOR DIVISION: 5		I.D. LOCATION: 18		PRIORITY: 1	
ORIGINAL APPROVED DATE: 5/16/2011		BUDGET AMOUNT: \$6,000,000					
RELATED CIP PROJECTS:							
DESCRIPTION OF PROJECT:							
<p>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.</p>							
JUSTIFICATION OF PROJECT:							
<p>The closed circuit television sewer assessment program process has assisted in the identification of sewer mains containing sags, which has allowed debris to form, and/or are damaged and need to be repaired.</p>							
COMMENTS:							
<p>Project being designed and constructed in phases based upon area and type of repair. Calavo Basin Phase 1 under construction in Spring 2015. Rancho San Diego (RSD) Basin Phase 1 and Trenchless Repair under design Spring 2015, construction FY2016. Future phases of Calavo and RSD to follow in subsequent FYs.</p>							
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	2016	2017	2018	2019	2020	2021	Total
\$1,400	\$900	\$800	\$800	\$800	\$800	\$500	\$6,000

CIP Number: S2033

PROJECT SCHEDULE:

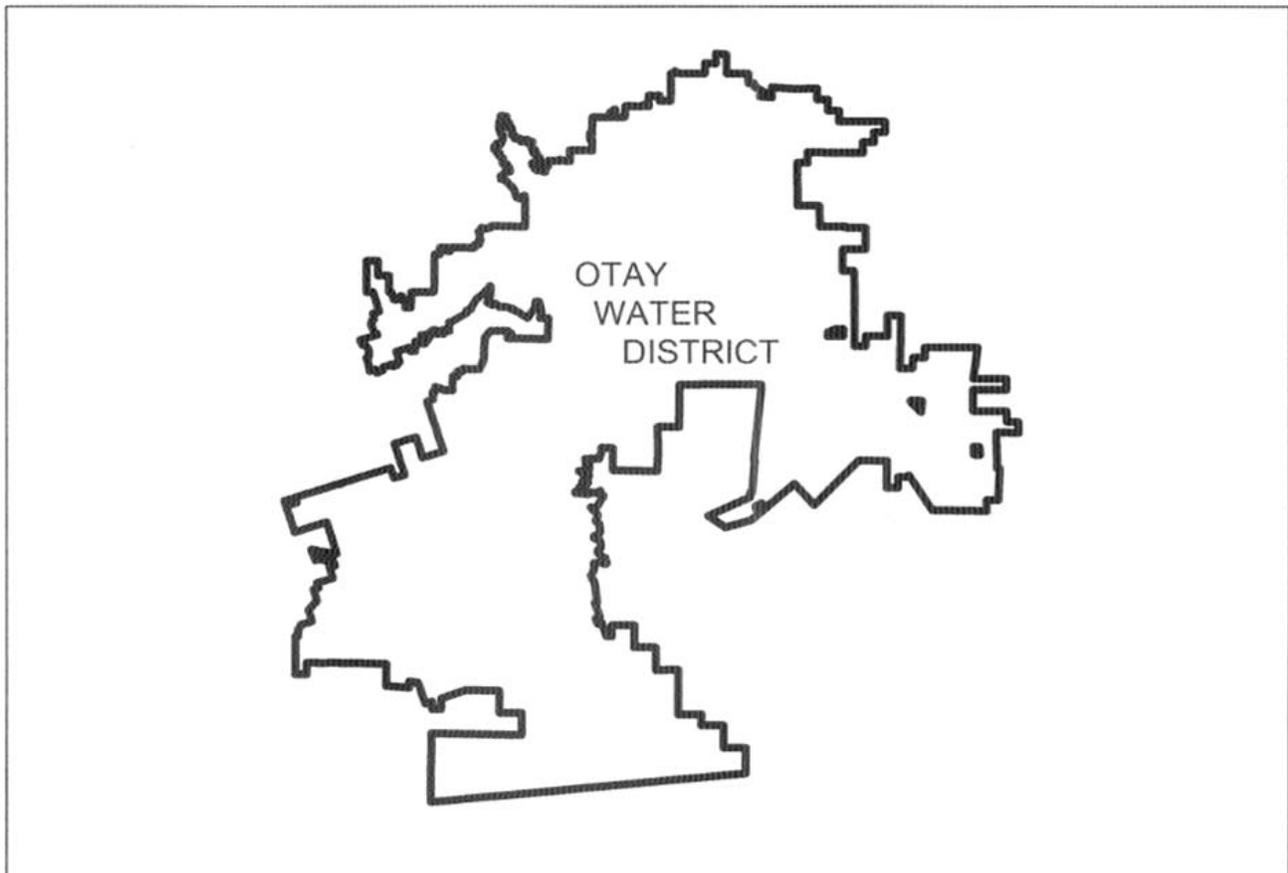
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2011	1/1/2016	\$400
DESIGN:	3/1/2013	1/1/2017	\$1,000
CONSTRUCTION:	6/30/2014	6/30/2021	\$4,600

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: Vehicle Capital Purchases

CIP Number: P2282

DIRECTOR DIVISION: 0

PROJECT MANAGER: Doug Rahders

I.D. LOCATION: District Wide

ORIGINAL APPROVED DATE: 6/3/1996

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$5,191,000

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:

2/21/14, \$500K Vactor scheduled in FY 16

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY							
TOTAL	2016	2017	2018	2019	2020	2021	Total	
	\$3,090	\$556	\$298	\$295	\$327	\$308	\$317	\$5,191

CIP Number: P2282

PROJECT SCHEDULE:

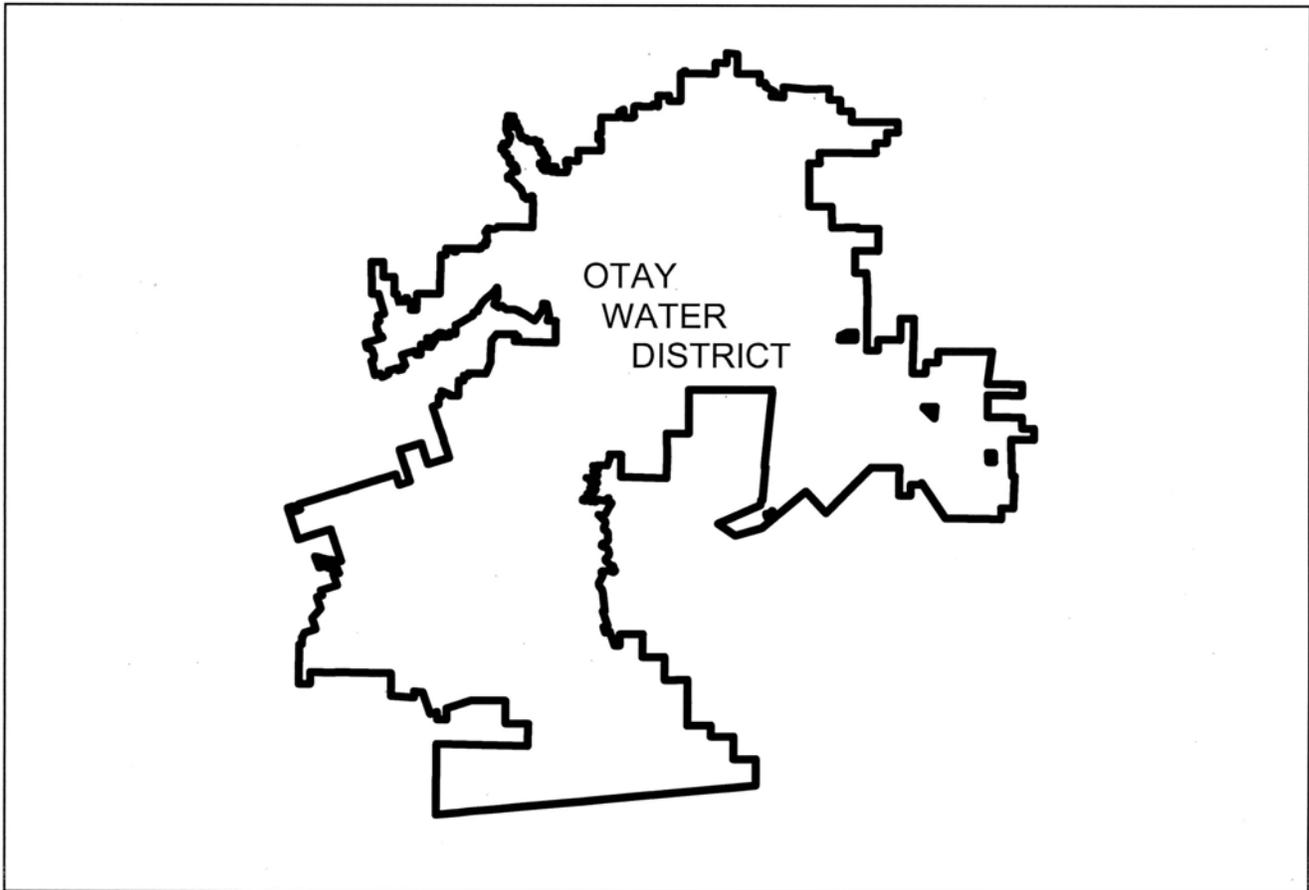
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	12/1/2000	6/30/2021	\$5,191
DESIGN:			\$0
CONSTRUCTION:			\$0

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book:



Submitted By: Rita Bell

Date: 4/29/2015

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE: Office Equipment and Furniture Capital Purchases	CIP Number: P2285
PROJECT MANAGER: Kent Payne	DIRECTOR DIVISION: 0
ORIGINAL APPROVED DATE: 6/3/1996	I.D. LOCATION: District Wide
RELATED CIP PROJECTS:	PRIORITY: 1
	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:
2016 - Projected expenditure for Customer Service workstation ergonomic upgrades.

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	2016	2017	2018	2019	2020	2021	Total
	\$524	\$15	\$15	\$14	\$6	\$0	\$589

CIP Number: P2285

PROJECT SCHEDULE:

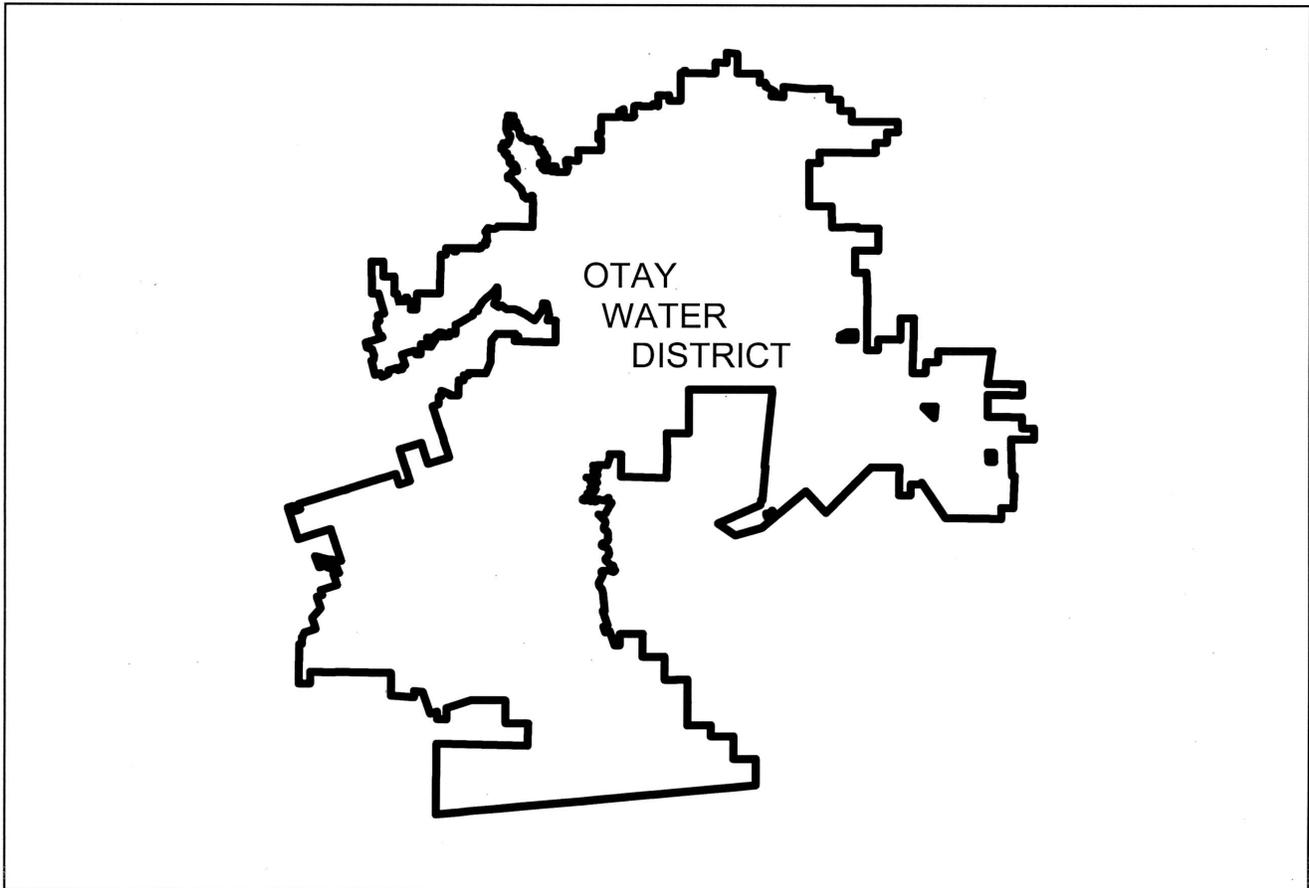
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2000	6/30/2019	\$589

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 9/30/2015

PROJECT TITLE: Field Equipment Capital Purchases

CIP Number: P2286

DIRECTOR DIVISION: 0

PROJECT MANAGER: Doug Rahders

I.D. LOCATION: District Wide

ORIGINAL APPROVED DATE: 6/3/1996

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$1,808,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$1,386	\$50	\$100	\$83	\$68	\$16	\$105
							\$1,808

CIP Number: P2286

PROJECT SCHEDULE:

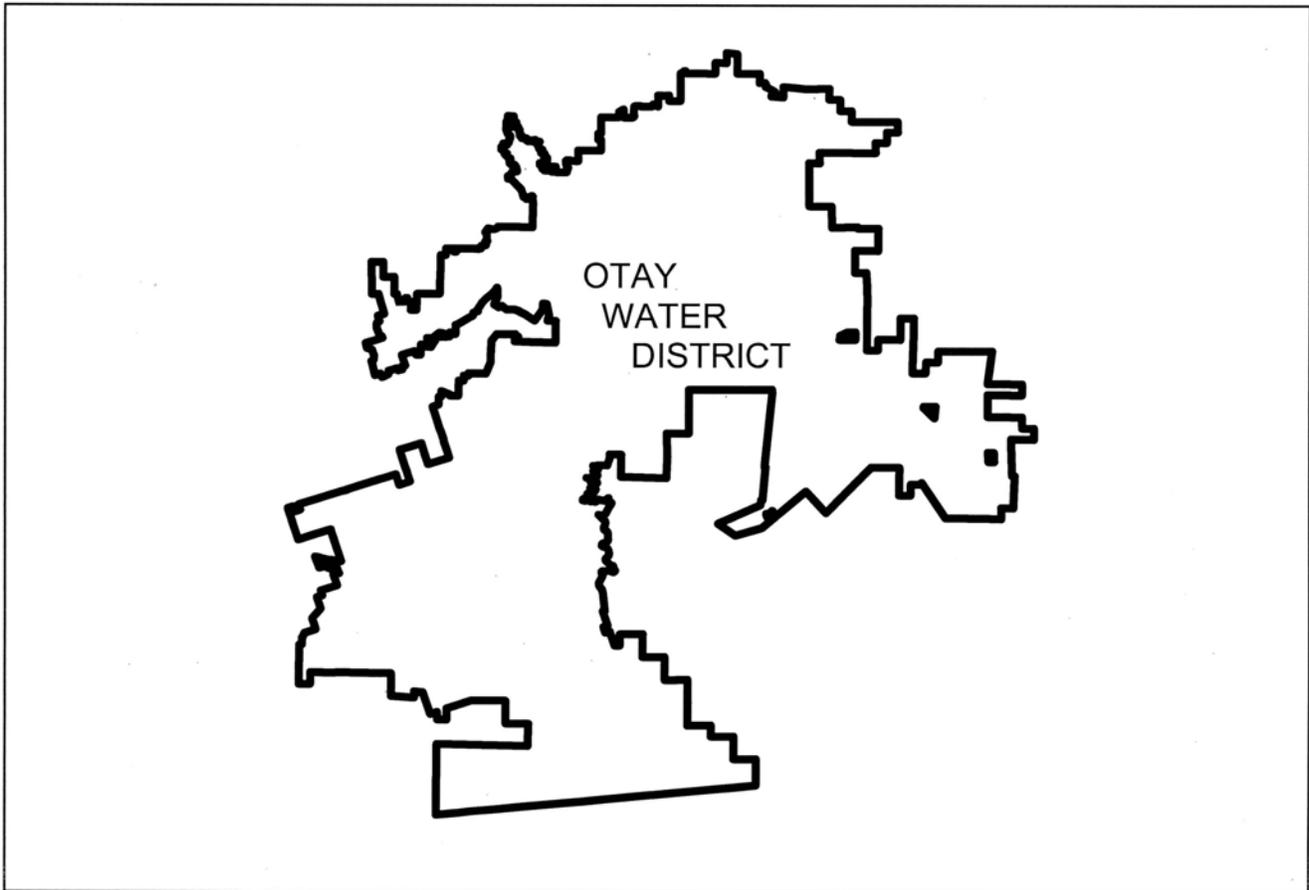
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/1996	6/30/2021	\$1,808
DESIGN:			\$0
CONSTRUCTION:			\$0

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: APCD Engine Replacements and Retrofits		CIP Number: P2366	
PROJECT MANAGER: Doug Rahders		DIRECTOR DIVISION:	0
ORIGINAL APPROVED DATE: 12/6/2000		I.D. LOCATION:	District Wide
RELATED CIP PROJECTS:		PRIORITY:	1
		BUDGET AMOUNT:	\$3,835,000

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:

9/25/13, transferred \$45K from FY15 to FY14 to perform emissions retrofits on District vehicles.
2/21/2014, 2 portable gensets and 2 pump engine APCD permits are scheduled to expire on 12/31/2016.

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	2016	2017	2018	2019	2020	2021	Total
	\$2,530	\$535	\$307	\$157	\$118	\$78	\$110
							\$3,835

CIP Number: P2366

PROJECT SCHEDULE:

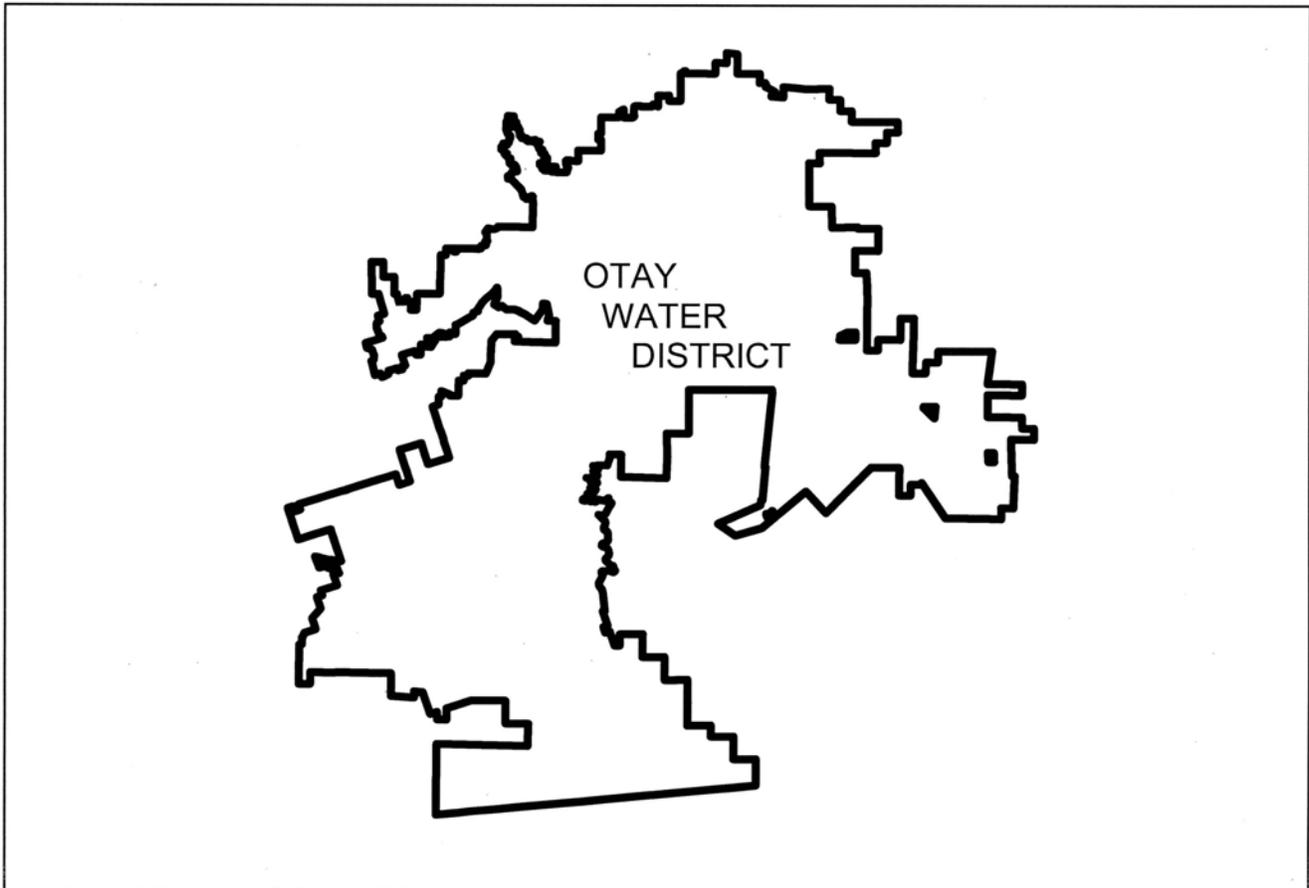
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	12/1/2000	6/1/2001	\$113
DESIGN:	7/1/2001	6/1/2010	\$312
CONSTRUCTION:	7/1/2010	6/1/2020	\$3,410

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: HWY 94 Upsized Utility Relocations at Melody Lane

CIP Number: P2556

DIRECTOR DIVISION: 5

PROJECT MANAGER: Stephen Beppler

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$250,000

DESCRIPTION OF PROJECT:

This project provides the funding for the upsized utility relocations required to accommodate the County of San Diego road improvement project along HWY 94 at Melody Lane. Facility relocations are for upsizing the existing 8-inch, 12-Inch, and 16-Inch potable water pipeline as needed to larger pipelines. This reimbursement is only for incremental pipeline cost due to upsize.

JUSTIFICATION OF PROJECT:

COMMENTS:

Cost Estimate:
\$20K; 8-inch to 16-inch upsize ~ 70 feet
\$120K; 12-inch to 16-inch upsize ~ 1,155 feet
\$0; 16-inch relocation ~ 1,780 feet
\$75K; 12-inch to 16-inch upsize ~ 735 feet

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$0	\$1	\$29	\$100	\$100	\$20	\$250

CIP Number: P2556

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	6/30/2016	\$1
DESIGN:	7/1/2016	6/30/2017	\$5
CONSTRUCTION:	7/1/2017	6/30/2020	\$244

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2016	2017	2018	2019	2020	2021	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:

OWD Map Book: 205 & 309



Submitted By: Jolene Fielding

Date: 5/7/2015

Annual CIP Development Policy No. 6

PURPOSE

To define the policy on the preparation and approval of the annual Capital Improvement Program.

BACKGROUND

District staff develops and maintains a Water Resources Master Plan (WRMP), an Integrated Water Resources Plan (IRP), and Strategic Plan that collectively are used to prepare the annual Capital Improvement Program (CIP) and to identify the CIP projects required for ultimate build out. The WRMP is revised every five years and adopted by the Board. Annually, staff prepares a six-year moving window CIP that provides information on budget assumptions, source of funds, allocation of funds, project costs, project location, description, justification, scheduling, etc. The six-year CIP is submitted and presented to the Board of Directors to obtain approval for staff to proceed with implementation to plan, design, and construct facilities and programs necessary to meet the needs of the District.

POLICY

The General Manager, or his designee, shall prepare a proposed six-year CIP for submission to the Board of Directors for their review prior to and approval by June 30 of each fiscal year.

The CIP projects shall be reviewed and updated annually to consider appropriate revisions based on the most recent WRMP, IRP, Strategic Plan, and market condition information. The timing of projects shall be based on necessity and availability of financing. The intent is that new CIP projects will be installed as development requires the facilities. With regard to all CIP projects, it is acknowledged that compliance with the California Environmental Quality Act adds a measure of unpredictability with regard to the timing of CIP projects.

The WRMP, IRP, and the CIP projects shall be divided into two phases: Phase I - one to six years; and Phase II - seven to ultimate buildout. CIP project sheets for projects in Phase I shall be prepared and identify estimated total cost, cash expenditure timing, location, description, justification, funding allocation, and schedule. For the Phase II CIP projects, the CIP shall identify the need for the projects, along with their estimated total cost and funding allocation.

Upon approval by the Board of Directors of the annual six-year CIP, staff is authorized to proceed with planning, design, construction, etc. of those projects that have budgets within the current fiscal year. The General Manager is authorized to redistribute funds between approved CIP projects as long as the total fiscal year budget is not exceeded. In addition, the General Manager is authorized to exceed the budget for specific CIP projects under the following conditions:

- a. For CIP projects less than or equal to \$50,000, the cumulative amount of the specific CIP project expenditures does not exceed that authorized under Code of Ordinances Section 2.01, Authority of the General Manager.
- b. For CIP projects more than \$50,000, the amount being authorized does not exceed the lesser of 25% of the specific CIP project budget amount or that authorized under Code of Ordinances Section 2.01, Authority of the General Manager.
- c. The total fiscal year CIP budget is not exceeded.

Water Meter Capacity Fees

NAME	CAPACITY FEE (1)
Capacity Fee Section 28.01	\$8,163.60
Triad Capacity Fee	\$6,124.75
New Water Supply Fee	\$1,011.25

(1) This is based on a 3/4 inch water meter effective 7/1/2015.

Note: For a full listing of fees per meter size visit the District's website at:
www.otaywater.gov/engineering/public-services. Open the On-Line Forms
and select Fees and Deposits.

Glossary

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

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

Annexation Fees: Whenever water service is requested for land outside the boundaries of the District the land 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) the land 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, 2014 are \$1,622 and \$5,986 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. This fee is levied 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 in 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. Betterment 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 a contribution of capital to either reimburse existing customers for the available capacity in the existing system, or to help finance planned future growth-related capacity improvements.

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, computer systems, and special tools. The capital budget also includes funds for infrastructure related items over \$20,000 (as explained below) which are distinguished from operating items according to their value and projected useful life.

Capital Equipment: Fixed assets such as vehicles, equipment, furniture, technical instruments, etc. which have a life expectancy of more than two years and a value over \$10,000. This category may include items over \$20,000 that are infrastructure related items (this cost may not extend useful life of the water or sewer infrastructure, but without the purchase of the item, the whole asset is rendered useless, 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 an 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

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