

Otay Water District



Capital Improvement Program Budget Fiscal Year 2015-2020

Spring Valley, CA



Otay Water District

Capital Improvement Program Budget

Fiscal Year 2015-2020

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...Dedicated to Community Service

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September 3, 2014

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 2015. The budget supports the Otay Water District's Strategic Plan to finance all of the District's services, programs, and capital needs during the 2015 fiscal year as well as positioning the District for continued success in ensuing years.

The coming years will continue to pose challenges for those in California's water community. As you are aware, California is in the third year of a severe drought. This July, the State Water Resources Control Board (SWRCB) adopted an emergency regulation to increase water conservation practices for all Californians. The new conservation regulation targets outdoor water use in urban areas. The regulation also establishes the minimum level of conservation activity that residents, businesses, and water suppliers must meet as the drought deepens. Despite extensive local efforts to promote conservation and reduce waste, Governor Brown and the State Water Resources Control Board (SWRCB) are now calling on all Californians to conserve more water and are requiring cities and water agencies to do more to inform customers that water conservation goals are now mandatory.

In addition to the drought, there is great uncertainty over the issues facing the Sacramento-San Joaquin Bay Delta, the source of 30 percent of Southern California's water supply. Proposals to construct tunnels under the Bay Delta are extremely costly, face tremendous environmental obstacles, and will be tested and challenged in the court as well as at the ballot box.

The District, as a member of the CWA, is well-positioned for water coming from the Colorado River, thanks to the QSA Agreement. As the cost of water has increased to the retail customer, sales have decreased. As one would expect, water sales fluctuations impact revenues and the District will continue to closely monitor sales as they affect overall

District finances. The steep decline in sales has now ended and the District is seeing water sales stabilize.

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

FY 2015-2018 STRATEGIC PLAN

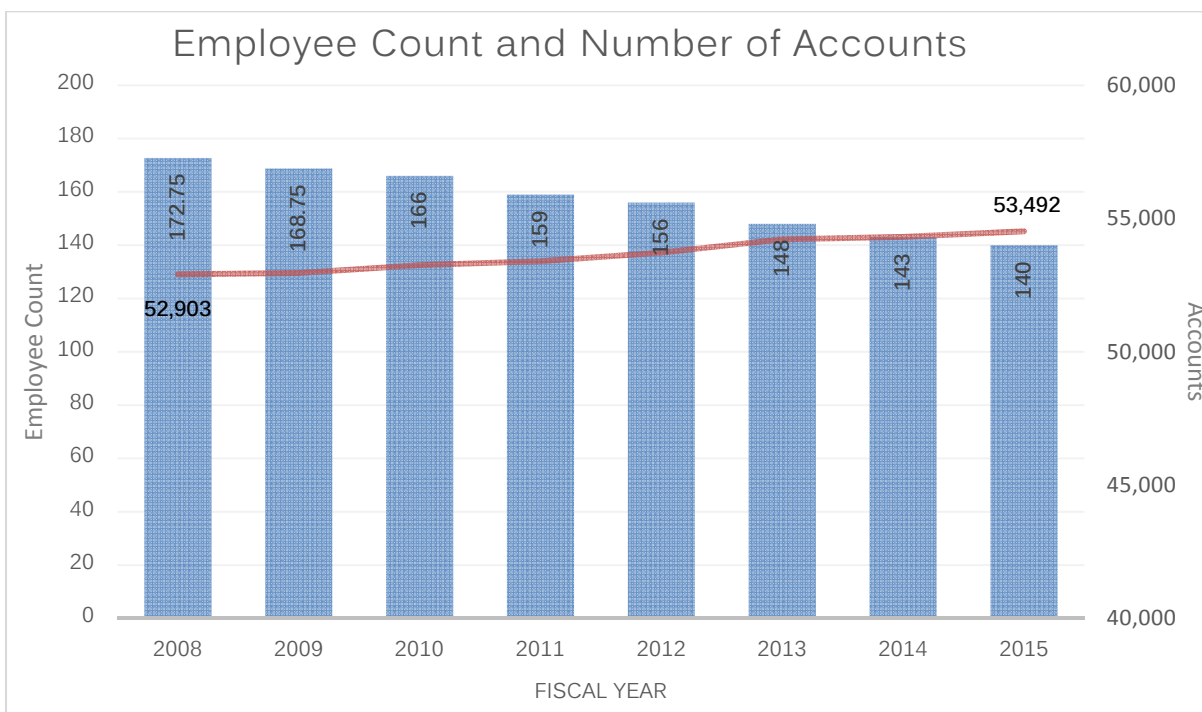
We are now entering the first year of the FY 2015-2018 Strategic Plan. As with the FY 2012-2014 plan, the focus has been on the District's transformation from a growth-centric to a maintenance-based organization. Where rapid growth had been a significant focus in the early years of the District's existence, 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 more effort is required to maintain and upgrade infrastructure and assets. This is important because in this phase in its lifecycle, an organization derives income more from customer rates and less from developer fees, and 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 even 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 of the District's past strategic plans included capitalizing 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

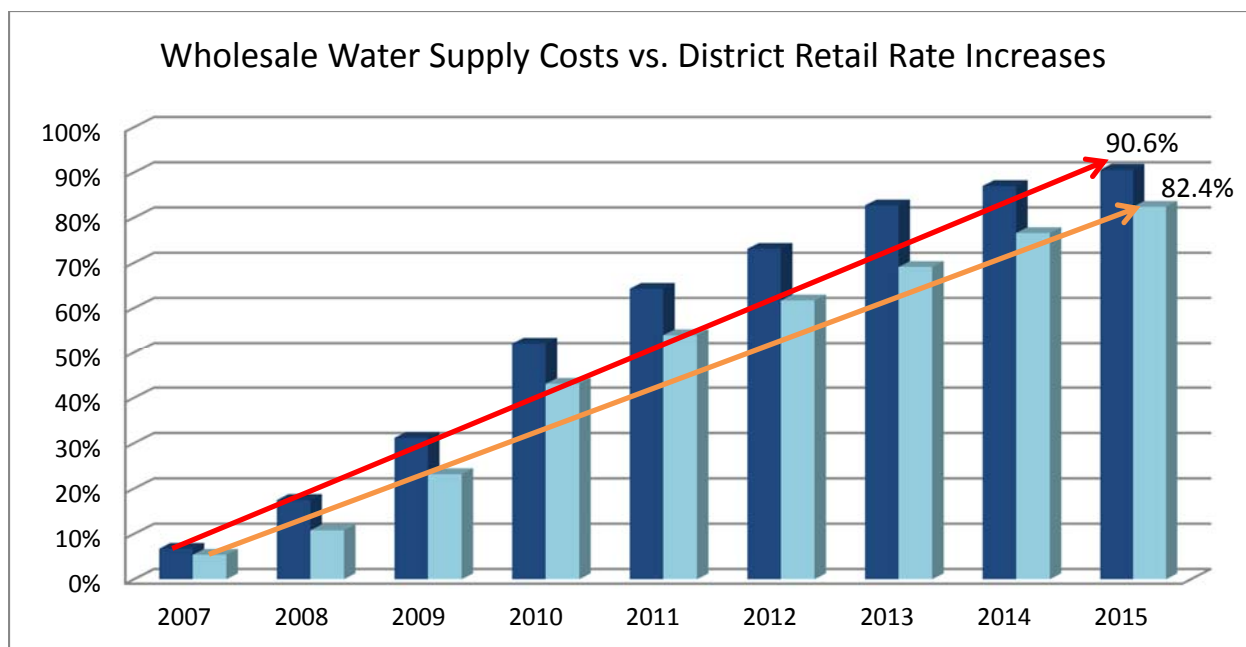
has reduced staffing by 34.75 full-time equivalent positions, or 19.9 percent, while the number of customer accounts increased by 1,905.



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 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 11th lowest water rate out of the 23 member agencies in San Diego County and the 8th 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 page 28 and 29, respectively.

The chart below shows that since 2007, the wholesale water supply costs have increased 90.6 percent while the District's retail water rates have increased a lesser 82.4 percent.



The District currently delivers water service to nearly 49,105 potable and 708 recycled water customer accounts. All of the potable water sold to customers is purchased from CWA. Fifty eight percent of this water is in turn purchased from the region's primary water importer, MWD.

The District has been proactive in reducing 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 4,679 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 2015 OPERATING BUDGET SUMMARY

Otay Water District's operating expenditures consist of three major sectors: potable water, recycled water, and sewer budgeted at \$91,640,000 for Fiscal Year 2015. Revenues from potable and recycled water are projected to be \$80,785,700, about \$5,514,100 (7.2%) more than the Fiscal Year 2014 budget. Water sales volumes are expected to increase slightly, by less than one percent over FY 2014 actual sales as the economy slowly improves and due to both hotter and drier than normal climatic conditions. Higher usage is expected to occur even as efforts to promote water conservation ramp-up due to the adoption of emergency drought regulations. Sewer revenues are projected to be \$3,007,700, about \$306,100 more than fiscal year 2014. This increase from higher sewer rates is necessary to cover \$17.3 million of capital projects over the next six years. The remaining budgeted revenues of \$7.8 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 7.7 percent from MWD and CWA because of 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 CWA and the County of San Diego.
- In efforts to minimize rate increases, the District has again reduced staffing levels from 143 full-time equivalent positions to 140.
- Of San Diego County's 23 water agencies, Otay's water rates are below the county-wide average.

FISCAL YEAR 2015 CAPITAL IMPROVEMENT PROGRAM

The Fiscal Year 2014-15 Capital Improvement Program (CIP) Budget consists of 73 projects and a budget of \$10.6 million. The budget emphasizes long-term planning for ongoing programs to meet population growth while functioning within fiscal constraints. This year's CIP budget decreased by \$3.2 million compared to last year's projection, due to the completion of some large projects as well as the deferral of projects to match the timing of land development.

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, 2013. In order to receive this award, a governmental unit must publish a budget document that meets program criteria as a policy document, as an operations guide, as a financial plan, and as a communications device.
- The California Society of Municipal Finance Officers (CSMFO) presented Otay Water District the Certificate of Award for *Excellence in Operating Budgeting* for Fiscal Year 2013-2014.
- The California Society of Municipal Finance Officers (CSMFO) presented Otay Water District the Certificate of Award for *Excellence in Capital Budgeting* for Fiscal Year 2013-2014.

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 all the staff involved in this process for the efforts put forth in the preparation of this budget to ensure a successful outcome.

To the Board of Directors, we acknowledge and appreciate their continued support and direction in achieving excellence in financial management and District operations.



Mark Watton, General Manager

CIP Budget Guide

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

General Information

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

Capital Budget Summary

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

CIP Projects

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

Appendix

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

At-A-Glance

MISSION STATEMENT

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

HISTORY

The Otay Water District was formed in 1956 to serve as a public water and sewer agency, authorized as a California special district under the provisions of the Municipal Water District Act of 1911. The District's ordinances, policies, taxes, and rates for service are set by five Directors elected by voters in their respective geographic area. The District joined the San Diego County Water Authority (CWA) in September 1956 to acquire the right to purchase and distribute imported water throughout its service area. The District is also responsible for the collection, treatment, and disposal of wastewater from a portion of the northern region of the District. In 1980, the District started operation of the Ralph W. Chapman Water Recycling Facility (RWCWRF) and in May, 2007 a new source of recycled water from the City of San Diego was obtained, allowing the Otay Water District to supply 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 11](#).

General Information

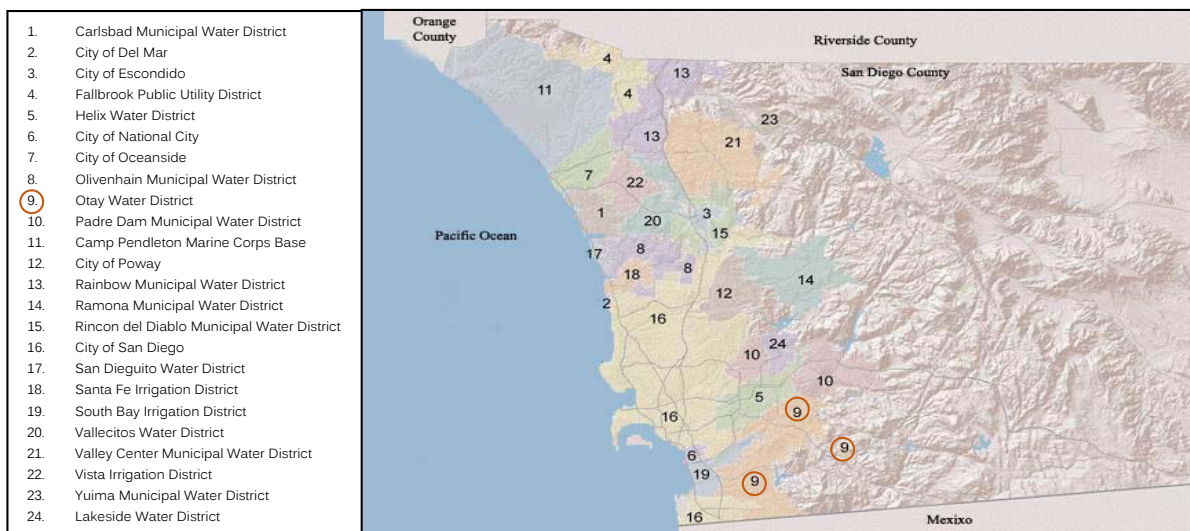
For Fiscal Year 2015, the District will have a staff of 140 full-time equivalent employees under the leadership of the General Manager. The District provides water service to approximately 52% of its expected ultimate deliveries with a population of more than 213,000 people. This percentage increases as the District's service area continues to grow to ultimate build-out. The District is projected to deliver approximately 29,192 acre-feet of potable water to 49,257 potable customer accounts. By 2035, deliveries are expected to reach 56,600 acre-feet of potable water to serve 285,000 people or 69,000 accounts. The growth rate, as projected by the San Diego Association of Governments (SANDAG), for the Chula Vista area of San Diego County, is approximately 1.6% per year over the next decade. Using historical data and considering current economic conditions, staff has moderated this projection to a growth rate of 0.25% for Fiscal Year 2015.

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 2015, 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 4,679 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 2013-2014. 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.

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



Financial Awards



The California Society of Municipal Finance Officers (CSMFO) presented Otay Water District the Certificate of Award for *Excellence in Operating Budget* for Fiscal Year 2013-2014.

The California Society of Municipal Finance Officers (CSMFO) presented Otay Water District the Certificate of Award for *Excellence in Capital Budget* for Fiscal Year 2013-2014.



Awards

Otay Water District has received the "*District of Distinction*" accreditation by the Special District Leadership Foundation (SDLF) for 2013/2014. By receiving this accreditation, the SDLF recognized Otay for demonstrating a strong commitment to practicing sound policies in the areas of governance, board conduct, District finances, transparency, reserve management, and continuing education for board members and staff. This is the first time Otay has received this biannual accreditation.



The Special District Leadership Foundation presented the *District Transparency Certificate of Excellence (2013/2015)* to Otay Water District in recognition of the District's completion of all transparency program requirements designed to promote transparency in operations and governance to the public and other stakeholders.



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 213,000 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 11 years, the District has added more than 7,152 new customer connections, with 2,189 occurring in Fiscal Year 2004. In Fiscal Year 2014, the District sold 188 meters which is an average of 16 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

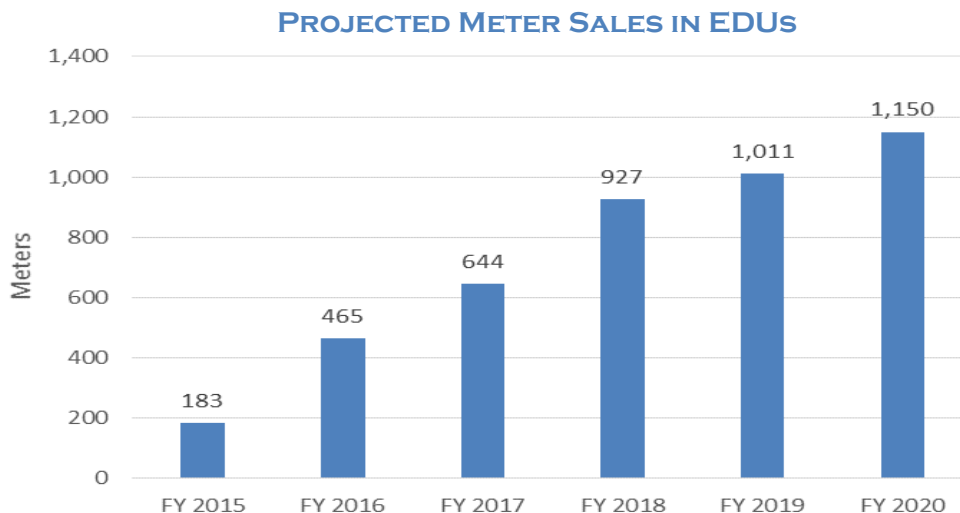
As in the previous fiscal year, the District employed an Economist to provide an Economic Outlook of the national economy, San Diego County's economy, the future of south San Diego County, and an overview of the Otay Water District. Projections of future development indicate that the ratio of multi-family 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 2015 through FY 2020							
Project	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Total
Total Single-Family Units	129	288	419	634	693	793	2,956
Total Condominium	49	167	527	639	605	663	2,650
Total Rental	330	802	835	667	657	714	4,005
Total Units	508	1,257	1,781	1,940	1,955	2,170	9,611

% Multi-Family	75%	77%	76%	67%	65%	63%	69%
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Source: The London Group Realty Advisors, April 2014

Using the economist report, the District's engineering staff projects that over the next six years the District will sell another 3,166 meters which translates to 4,380 equivalent dwelling units (EDUs). These projections have been incorporated in the Five-Year Forecast on page 48.



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 50 million gallons of water a day beginning in 2016 and will generate enough water to meet 7 percent of the region's demand. The total price for the desalinated water, including related upgrades to the Water Authority's pipelines and treatment plant, is projected to start between \$2,014 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.



Carlsbad Desalination Project rendering

ROSARITO DESALINATION AND THE OTAY MESA CONVEYANCE AND DISINFECTION SYSTEM PROJECTS

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



Rosarito Desalination Project rendering

Demographics

The District boundaries shown in the map encompass an area of approximately 125.5 square miles in San Diego County, located immediately east of the City of San Diego metropolitan area and running from the City of El Cajon south to the international border. SANDAG creates and maintains a tremendous quantity of demographic, economic, land use, transportation and criminal justice information about the San Diego region. The demographic data include population characteristics like age, education, and employment. Because of the overlapping of the District's service area with the cities of Chula Vista, La Mesa, El Cajon, and the unincorporated areas of Spring Valley and Jamul, the following demographic data is from the City of Chula Vista as it most closely represents the District.



DEMOGRAPHICS OF THE CITY OF CHULA VISTA

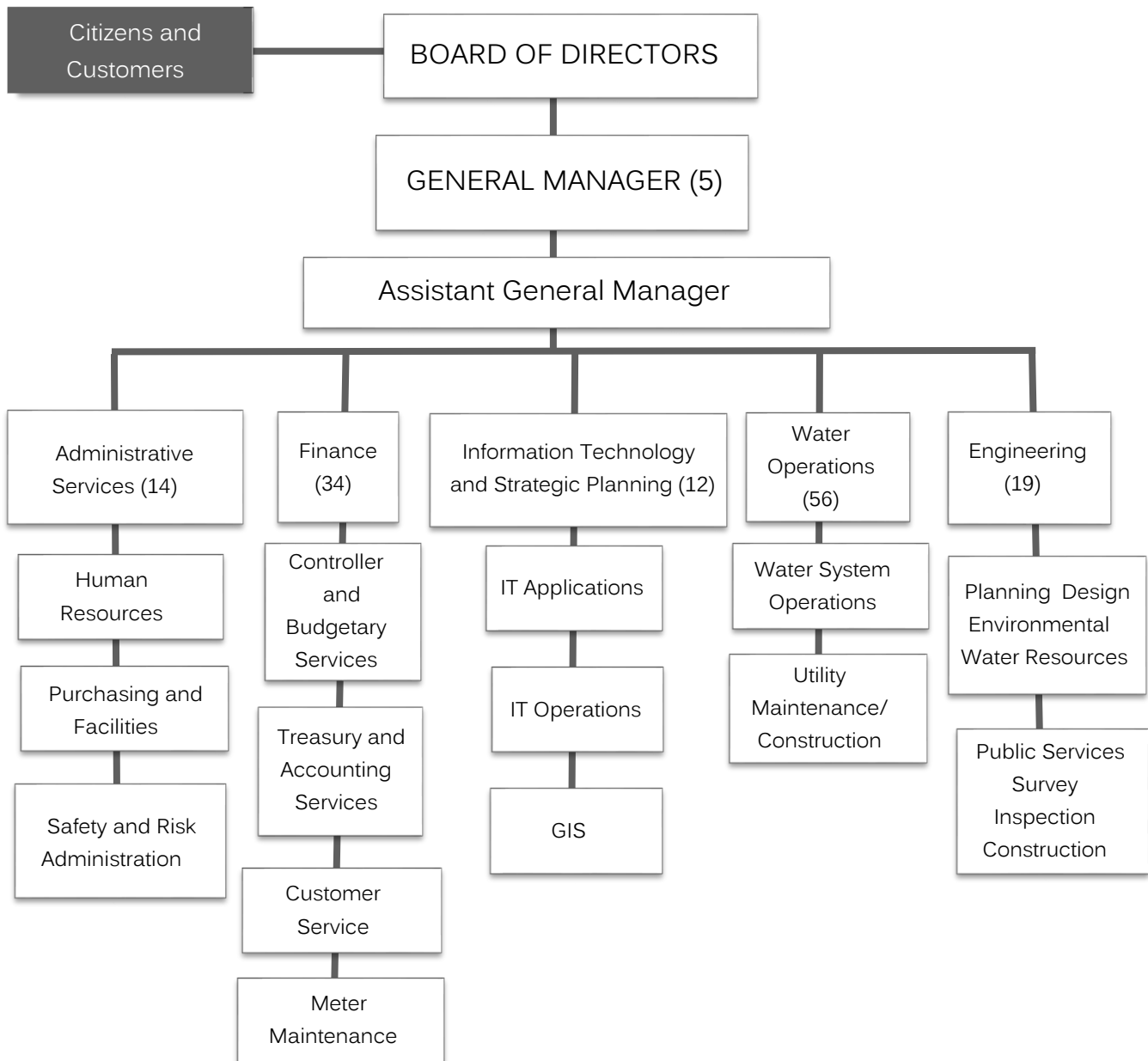
The population of Chula Vista has grown from 83,927 in 1980 to 249,382 in 2012. This represents an increase of 165,455 in the past 30 years or a 197.1% increase, which correlates to the District's rapid growth for the same period. As shown in the table below, the ethnic/racial makeup of the City consists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

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

Source: SANDAG; The London Group, Claritas Demographics

Organization Chart

DISTRICT POSITION COUNT - (140 POSITIONS)



CIP Budget Calendar

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

January-February	March	April	May	July-January
<p>1/10/14 Budget workbooks and instructions for the Operating and Capital Budget are distributed to departments.</p> <p>1/10/14-2/21/14 Departments begin CIP Budget Process which includes:</p> <ul style="list-style-type: none"> Review existing FY 2014 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 6/30/14 for each CIP. Adjust the annual amount for the remaining CIPs when appropriate and include justification for the changes to each year's changes. Develop CIP project cost and schedules, unless more specific information is available. Submit new CIP projects for consideration. 	<p>3/13/14 Engineering Department reviews all CIP budget requests with Assistant General Manager and adjusts, if necessary.</p> <p>3/07/14-3/18/14 Engineering reviews and prepares CIP budget and submits to finance for review and to incorporate into rate model to determine proposed rates.</p> <p>3/28/14 CIP budget presented to the General Manager for review and comments.</p>	<p>4/14/14 Review assumptions and rates with Chiefs, Assistant General Manager, and General Manager.</p> <p>4/25/14 General Manager performs preliminary review of budget.</p>	<p>5/08/14 Final review of proposed budget and rates is completed by the General Manager.</p> <p>05/19/14 Budget Workshop and Special Board Meeting presenting the 2015-2018 Strategic Plan and adopting the FY 2014-2015 Operating Budget, adopting the 2015-2020 Capital Budget and the providing the draft water and sewer rate increase notices</p>	<p>08/07/14 Board approval of water and sewer rate increase notices</p> <p>09/08/14-09/30/14 Rate increase Message inserted with water and sewer billing</p> <p>01/01/15 Water and Sewer Rate Increase</p>

CIP Budget Process

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

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

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

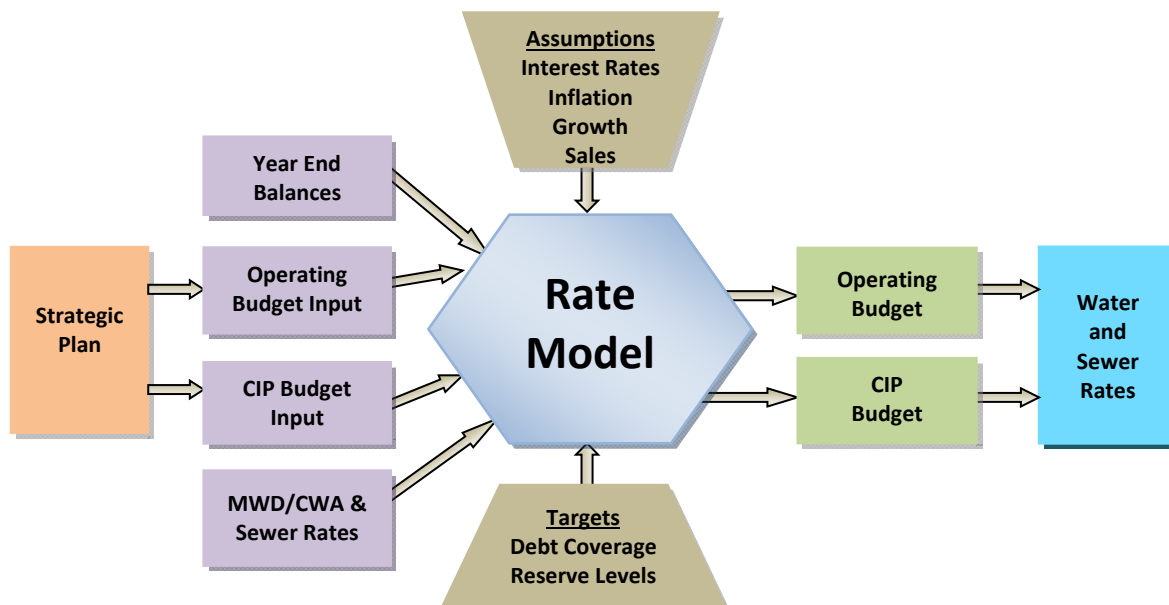
In January, the Engineering Department (Engineering) issues budget instructions for the CIP budget process. The project manager use the CIP Budget module system to review and estimate project expenditures to the end of the fiscal year. Projects may have been added, deleted or modified due to increased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

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

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

CIP Budget Process

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



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

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

The District is accounted for and budgeted as an enterprise fund and conforms to the guidelines of generally accepted accounting principles (GAAP). The General Manager has the authority to transfer appropriations within the budget allocations or may request that the Board of Directors increase the current budgeted funds. The Operating and Capital Budgets are intended as a financial guide and may be modified by the Board of Directors during the 2015 fiscal year.

RESOLUTION NO. 4235

A RESOLUTION OF THE BOARD OF DIRECTORS OF
OTAY WATER DISTRICT ADOPTING THE
FISCAL YEAR 2014-2015
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 for the operation of the Otay Water District for Fiscal Year 2014-2015; and

WHEREAS, the Fiscal Year 2014-2015 Operating and Capital Budget, has been reviewed and considered by the Board;

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

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

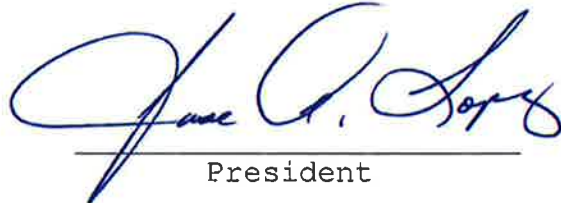
NOW, THEREFORE, BE IT RESOLVED, DETERMINED AND ORDERED by the Board of Directors of the Otay Water District that the Operating and Capital Budget for the operation of the District, incorporated herein by reference, is hereby adopted as the District's budget for Fiscal Year 2014-2015.

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 pay schedule whenever necessary to reflect changes made within his authority.

PASSED, APPROVED AND ADOPTED by the Board of Directors of Otay Water District at a special board meeting held this 19th day of May 2014, by the following vote:

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



President

ATTEST:



District Secretary

Capital Improvement Program

The District provides water service to a population of approximately 213,000 which is expected to ultimately increase to 298,000 by the year 2040. 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 2015 Capital Budget is \$10.6 million and the six-year Capital Improvement Program (CIP) totals \$103.5 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 195. Capital Facility Projects are items that exceed \$10,000 or \$20,000 for infrastructure related items (as defined under Capital Equipment on page 264 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

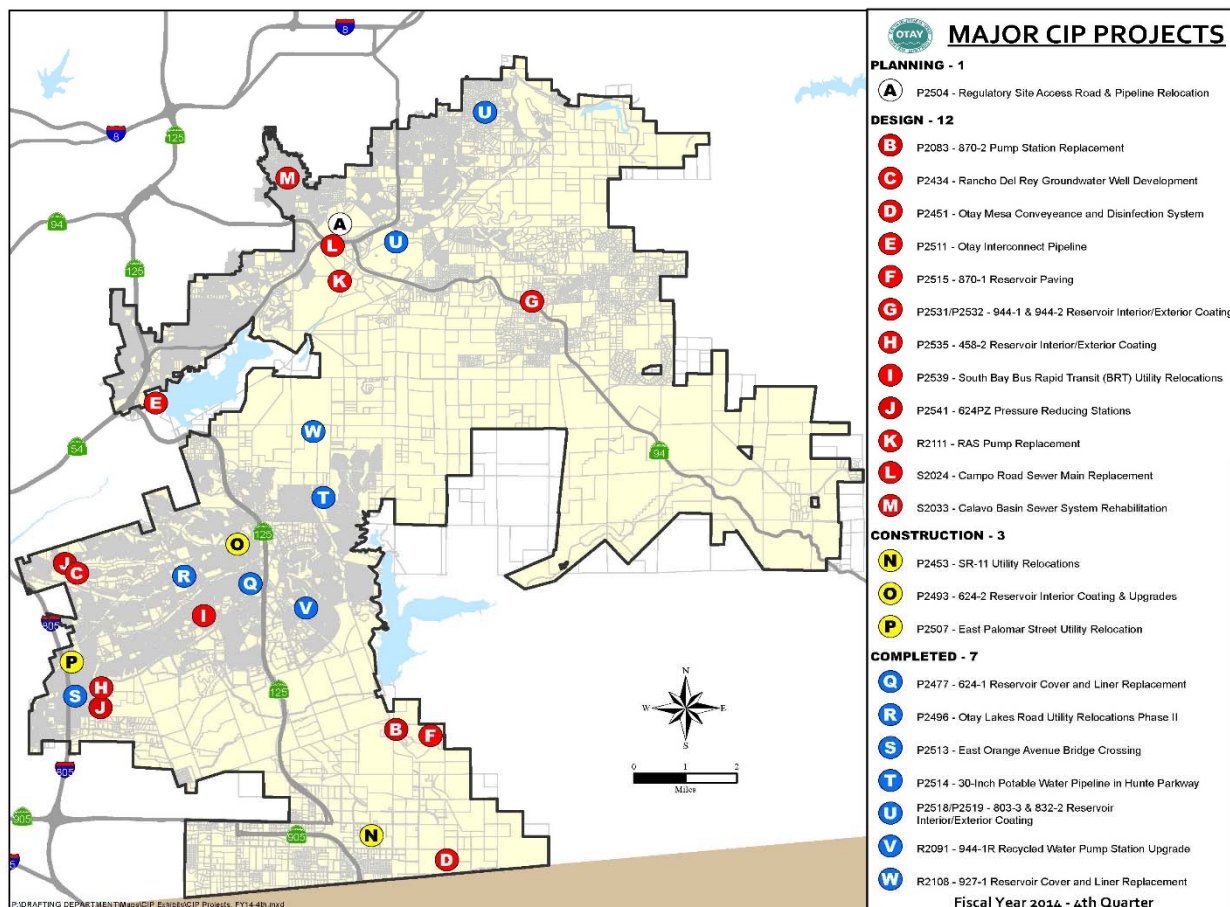
CAPITAL IMPROVEMENT PROJECTS

The Fiscal Year 2015 CIP Budget contains 79 projects. The cost of the work planned for 73 of these projects fall within Fiscal Year 2015 and total \$10.6 million. Of the 73 projects planned for Fiscal Year 2015, seven are designated as reimbursable projects with estimated costs totaling \$7,000. These projects are built by developers and reimbursed by the District.

The following shows how the \$10.6 million of projects are broken down into four categories:

1. Capital facilities \$ 3.1 million
2. Replacement or renewal projects \$ 6.7 million
3. Capital purchase projects \$.7 million
4. Developer reimbursement projects \$.1 million

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

624-2 Reservoir Interior/Exterior
Coating and Upgrades
(P2493)



- Remove and Replace Deteriorating Reservoir Coating
- Structural Modifications Including Level Indicator Replacement and Anode Replacement
- \$1.95M Budget
- Start: January 2014
- Estimated Completion: July 2014

CIP Projects in Construction

927-1 Recycled Water Reservoir
Cover and Liner Replacement
(R2108)



- Removal and Replacement of the reservoir liner and cover
- \$1.40M Budget
- Start: November 2013
- Completed: June 2014

CIP Projects in Construction

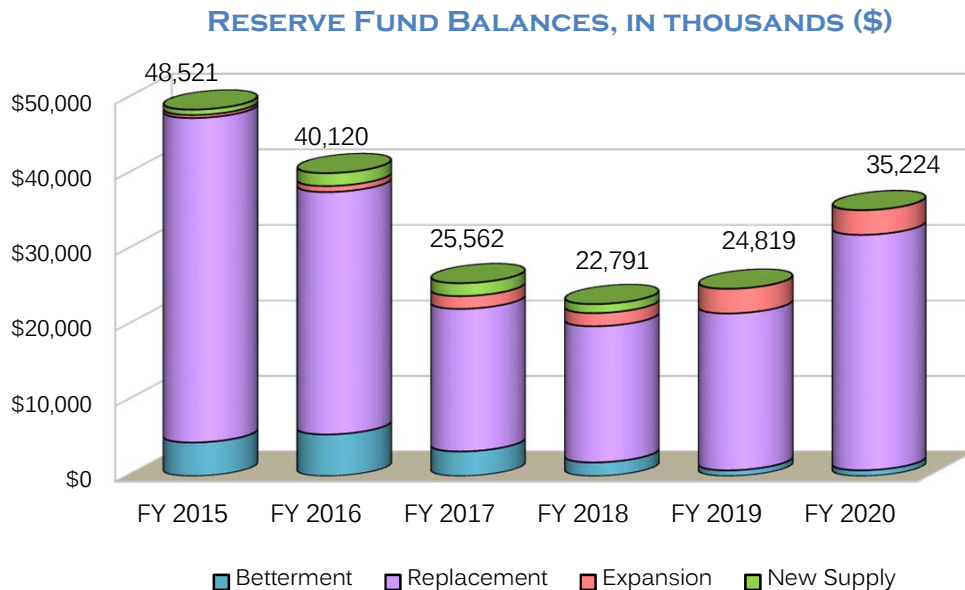


SR-II Utility Relocations Sequence I (P2453)

- Relocate Existing Water Facilities to support SR-11 Construction
- \$2.25M Budget
- Start: February 2014
- Completed: July 2016

CIP Reserve Funds

The CIP Reserve Funds presentation, shown on the following pages, is designed to provide an understanding of how the funding of CIPs is expected to financially influence the District over the next six years. The financial impacts are based on CIPs and their funding sources, including fund transfers in accordance with the District's Reserve Policy, and planned debt issuances. This data is captured in the District's Rate Model on an annual basis in order to make these projections.



(Thousand \$000s)	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total
Beginning Balance	\$ 50,713	\$ 48,521	\$ 40,120	\$ 25,562	\$ 22,791	\$ 24,819	\$ 212,525
Capacity Fees	\$ 1,577	\$ 3,998	\$ 5,662	\$ 8,692	\$ 9,795	\$ 11,521	\$ 41,244
Debt financing	-	1,960	1,735	-	-	1,425	5,120
Grants	111	2,663	254	-	-	-	3,028
Interest	188	191	228	220	259	376	1,462
Betterment Charges	302	-	-	-	-	-	302
Temporary Meters	716	716	718	721	725	727	4,323
Availability (Betterment Portion)	480	490	499	508	516	524	3,018
New Supply Fee	180	473	675	1,001	1,124	1,317	4,771
COPS 2010B Reimbursement	770	770	770	770	770	770	4,622
Transfer from General Fund	13,223	12,725	11,355	11,618	12,591	13,468	74,979
Interfund Transfers	1	1	1	-	-	-	3
Total Sources	17,547	23,987	21,896	23,530	25,780	30,130	142,871
Total CIP Projects	10,576	23,400	27,436	17,188	14,477	10,455	103,532
Betterment Fees for Maintenance	302	-	-	-	-	-	302
Debt Service	7,710	7,831	7,850	7,934	8,083	8,066	47,474
Developer Services	1,151	1,157	1,167	1,179	1,191	1,203	7,048
Total Uses	19,739	32,388	36,454	26,302	23,752	19,725	158,355
Net Sources (Uses)	\$ (2,191)	\$ (8,401)	\$ (14,558)	\$ (2,771)	\$ 2,029	\$ 10,405	\$ (15,484)
Ending Balance	\$ 48,521	\$ 40,120	\$ 25,562	\$ 22,791	\$ 24,819	\$ 35,224	\$ 197,041

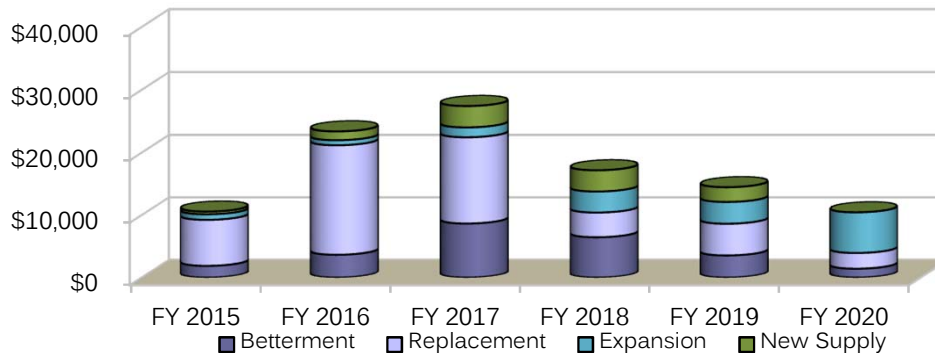
CIP Funding Source and Category

CIP FUNDING SOURCE

(Thousands \$000s)

	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Expansion	\$ 892	\$ 803	\$ 1,568	\$ 3,371	\$ 3,488	\$ 6,510	\$ 16,633
Betterment	1,881	3,655	8,661	6,462	3,546	1,426	25,630
Replacement	7,373	17,543	13,807	3,955	5,083	2,519	50,279
New Supply	430	1,400	3,400	3,400	2,360	-	10,990
TOTAL	\$10,576	\$23,400	\$27,436	\$17,188	\$14,477	\$10,455	\$103,532

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

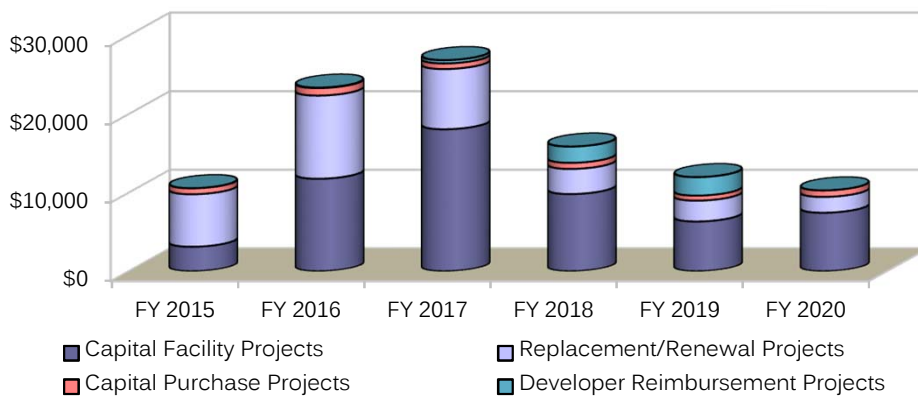


CIP CATEGORY

(Thousands \$000s)

	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Capital Facility Projects	\$ 3,122	\$11,774	\$18,078	\$ 9,831	\$ 6,338	\$ 7,451	\$ 56,594
Replacement/Renewal Projects	6,687	10,595	7,669	3,202	2,658	2,019	32,830
Capital Purchase Projects	760	955	715	773	639	825	4,667
Developer Reimbursement Projects	7	56	419	2,072	2,352	-	4,906
Subtotal	10,576	23,380	26,881	15,878	11,987	10,295	98,997
FY 2016 Through FY 2020 Projects	-	20	555	1,310	2,490	160	4,535
TOTAL	\$10,576	\$23,400	\$27,436	\$17,188	\$14,477	\$10,455	\$103,532

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



CIP Projects (\$1,000s)

The 2015 Fiscal Year CIP Budget contains 79 projects. 73 of the projects fall within Fiscal Year 2015 with a cost of \$10.6 million. Of the 73 projects planned for Fiscal Year 2015, seven are designated as reimbursable projects with an estimated cost of \$7 thousand. These projects are built by a developer and reimbursed by the District.

CAPITAL FACILITY PROJECTS

CIP No	Description	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total
P2083	PS - 870-2 Pump Station Replacement	\$650	\$7,500	\$7,500				\$15,650
P2267	36-Inch Main Pumpouts and Air/Vacuum Ventilation Installations	\$195	\$5					\$200
P2434	Rancho Del Rey Groundwater Well Development	\$75						\$75
P2451	Otay Mesa Desalination Conveyance and Disinfection System	\$1,000	\$3,500	\$8,500	\$8,500	\$5,900		\$27,400
P2466	Regional Training Facility	\$3	\$6	\$5				\$14
P2486	Asset Management Plan Condition Assessment and Data Acquisition	\$75	\$75	\$75	\$28			\$253
P2511	Otay Interconnect Pipeline	\$100	\$1	\$1	\$1	\$1	\$1	\$105
P2537	Operations Yard Property Acquisition Improvements	\$100	\$170	\$50				\$320
P2541	624 Pressure Zone PRSs	\$425						\$425
P2547	District Administration Vehicle Charging Stations	\$45	\$5					\$50
P2548	Sump Pump Installation at the 980-1 & 2 Reservoirs	\$35						\$35
P2549	Fuel System Upgrade	\$30						\$30
P2551	Blossom Lane Helix WD and Otay WD Interconnection	\$5	\$145	\$250				\$400
P2552	South Barcelona Helix WD and Otay WD Interconnection	\$5	\$145	\$250				\$400
R2048	RecPL - Otay Mesa Distribution Pipelines and Conversions	\$1	\$1	\$1	\$1	\$1	\$50	\$55
R2058	RecPL - 16-Inch, 860 Zone, Airway Road - Otay Mesa/Alta	\$1	\$1	\$1	\$1	\$1	\$50	\$55
R2077	RecPL - 24-Inch, 860 Zone, Alta Road - Alta Gate/Airway	\$25	\$5	\$600	\$600	\$425		\$1,655
R2087	RecPL - 24-Inch, 927 Zone, Wueste Road - Olympic/Otay WTP	\$5	\$5	\$5	\$5	\$5	\$5,925	\$5,950
R2107	RWCWRF Screening Compactor and Chlorine Injectors Enclosure	\$85						\$85
R2108	Res - 927-1 Reservoir Cover Replacement	\$50	\$5	\$145				\$200
R2110	RecPS - 944-1 Optimization and Pressure Zone modifications	\$50	\$100					\$150
R2113	Chlorine 1-ton Cyliner Emergency Close Valve	\$37						\$37
R2114	Large Recycle Pump Replacement at the RWCWRF 927-1 Pump Station	\$100						\$100
R2117	RWCWRF Contact Basin Expansion Project	\$20	\$100	\$690	\$690			\$1,500
S2043	RWCWRF Sludge Handling System	\$5	\$5	\$5	\$5	\$5	\$1,425	\$1,450
25	Total Capital Facility Projects	\$3,122	\$11,774	\$18,078	\$9,831	\$6,338	\$7,451	\$56,594

REPLACEMENT/RENEWAL PROJECTS

CIP No	Description	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total
P2366	APCD Engine Replacements and Retrofits	\$5	\$300	\$300	\$157	\$118	\$78	\$958
P2382	Safety and Security Improvements	\$192	\$200	\$200	\$200	\$230	\$200	\$1,222
P2440	I-905 Utility Relocations	\$5	\$12					\$17
P2453	SR-11 Utility Relocations	\$600	\$600	\$200	\$200	\$200	\$191	\$1,991
P2477	Res - 624-1 Reservoir Cover Replacement	\$5	\$45					\$50
P2485	SCADA Communication System and Software Replacement	\$655	\$125	\$125				\$905
P2493	624-2 Reservoir Interior/Exterior Coating	\$50	\$5	\$35				\$90
P2494	Multiple Species Conservation Plan	\$90	\$18					\$108
P2495	San Miguel Habitat Management/Mitigation Area	\$180	\$190	\$200	\$200	\$200	\$200	\$1,170
P2496	Otay Lakes Road Utility Relocations	\$5	\$20					\$25
P2504	Regulatory Site Access Road and Pipeline Relocation	\$20	\$5	\$545				\$570
P2507	East Palomar Street Utility Relocation	\$175	\$135					\$310
P2508	Pipeline Cathodic Protection Replacement Program	\$125	\$125	\$39				\$289
P2515	870-1 Reservoir Paving	\$415	\$45					\$460
P2518	803-3 Reservoir Interior/Exterior Coating	\$30	\$35					\$65
P2519	832-2 Reservoir Interior/Exterior Coating	\$30	\$35					\$65
P2520	Motorola Mobile Radio Upgrade	\$50						\$50
P2529	711-2 Reservoir Interior & Exterior Coating	\$5	\$670	\$45	\$5	\$35		\$760
P2530	711-1 Reservoir Interior & Exterior Coating	\$10	\$825	\$65	\$5	\$35		\$940

CIP Projects (\$1,000s)

REPLACEMENT/RENEWAL PROJECTS, CONTINUED

CIP No	Description	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total
P2531	944-1 Reservoir Interior & Exterior Coating	\$190	\$5	\$35				\$230
P2532	944-2 Reservoir Interior & Exterior Coating	\$900	\$5	\$35				\$940
P2535	458-2 Reservoir Interior & Exterior Coating & Upgrades	\$585	\$5	\$35				\$625
P2538	Administration and Operations Building Fire Sprinkler Replacement Program	\$65						\$65
P2539	South Bay Bus Rapid Transit (BRT) Utility Relocations	\$30	\$150	\$175				\$355
P2542	850-3 Reservoir Interior Coating	\$5	\$435	\$5	\$35			\$480
P2550	Fuel Island Upgrade	75						\$75
P2553	Heritage Road Bridge Replacement and Utility Relocation	\$5	\$5	\$100	\$500	\$590		\$1,200
R2109	Sweetwater River Wooden Trestle Improvement for the Recycled Water Forcemain	\$50	\$200	\$340				\$590
R2111	RWCWRF - RAS Pump Replacement	\$310	\$310					\$620
R2112	450-1 Disinfection Facility Rehabilitation	\$150	\$40					\$190
R2116	RecPL - 14-Inch, 927 Zone, Forcemain Assessment and Repair	\$100	\$100	\$650	\$650			\$1,500
S2012	San Diego County Sanitation District Outfall and RSD Outfall Replacement	\$150	\$150	\$250	\$450	\$450	\$450	\$1,900
S2024	Campo Road Sewer Main Replacement	\$600	\$2,000	\$2,790				\$5,390
S2027	Rancho San Diego Pump Station Rehabilitation	\$150	\$2,500	\$500				\$3,150
S2033	Sewer System Rehabilitation	\$675	\$1,300	\$1,000	\$800	\$800	\$900	\$5,475
35	Total Renewal & Replacements	\$6,687	\$10,595	\$7,669	\$3,202	\$2,658	\$2,019	\$32,830

CAPITAL PURCHASE PROJECTS

CIP No	Description	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total
P2282	Vehicle Capital Purchases	\$105	\$600	\$300	\$275	\$217	\$434	\$1,931
P2285	Office Equipment and Furniture Capital Purchases	\$15	\$15	\$15	\$15	\$14		\$74
P2286	Field Equipment Capital Purchases	\$65	\$40	\$100	\$83	\$68	\$16	\$372
P2469	Information Technology Network and Hardware	\$175	\$100	\$100	\$200	\$200	\$275	\$1,050
P2470	Financial System Enhancements	\$100	\$100	\$100	\$100	\$100	\$100	\$600
P2540	Work Order Management System Replacement	\$300	\$100	\$100	\$100	\$40		\$640
6	Total Capital Purchase	\$760	\$955	\$715	\$773	\$639	\$825	\$4,667

DEVELOPER REIMBURSEMENT PROJECTS

CIP No	Description	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total
R2028	RecPL - 8-Inch, 680 Zone, Heritage Road - Santa Victoria/Otay Valley	\$1	\$1	\$1	\$597			\$600
R2042	RecPL - 8-Inch, 927 Zone, Rock Mountain Road - SR-125/EastLake	\$1	\$1	\$15	\$123			\$140
R2047	RecPL - 12-Inch, 680 Zone, La Media Road - Birch/Rock Mountain	\$1	\$50	\$399				\$450
R2082	RecPL - 24-Inch, 680 Zone, Olympic Parkway - Village 2/Heritage	\$1	\$1	\$1	\$1,000	\$743		\$1,746
R2083	RecPL - 20-Inch, 680 Zone, Heritage Road - Village 2/Olympic	\$1	\$1	\$1	\$1	\$396		\$400
R2084	RecPL - 20-Inch, 680 Zone, Village 2 - Heritage/La Media	\$1	\$1	\$1	\$350	\$617		\$970
R2085	RecPL - 20-Inch, 680 Zone, La Media - State/Olympic	\$1	\$1	\$1	\$1	\$596		\$600
7	Total Reimbursement Projects	\$7	\$56	\$419	\$2,072	\$2,352	\$0	\$4,906

SUMMARY

CIP No	Description	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	Total
73	Total- FY2015 Projects	\$10,576	23,380	26,881	15,878	11,987	10,295	\$98,997
6	Total- FY2016 Through FY 2020 Projects	-	20	555	1,310	2,490	160	\$4,535
79	Grand Totals	\$ 10,576	\$ 23,400	\$ 27,436	\$ 17,188	\$ 14,477	\$ 10,455	\$103,532

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 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
P2451	Otay Mesa Desalination Conveyance and Disinfection System	M/E/C	N/B	\$ -	\$ -	\$ -	\$ 31,000	\$ 52,000	\$ 125,000	\$ 208,000
P2466	Regional Training Facility	M	E/B	-	1,000	1,000	1,000	1,000	-	4,000
P2537	Operations Yard Property Acquisition Improvements	M/E	E	-	-	-	700	800	851	2,351
P2547	District Administration Vehicle Charging Stations	M/E	E/B	-	700	700	700	700	700	3,500
R2082	RecPL - 24-Inch, 680 Zone, Olympic Parkway - Village 2/Heritage	M	E	-	-	-	-	1,200	-	1,200
R2083	RecPL - 20-Inch, 680 Zone, Heritage Road - Village 2/Olympic	M	E	-	-	-	-	700	-	700
R2084	RecPL - 20-Inch, 680 Zone, Village 2 - Heritage/La Media	M	E	-	-	-	-	1,900	-	1,900
R2085	RecPL - 20-Inch, 680 Zone, La Media - State/Olympic	M	E	-	-	-	-	-	1,300	1,300
R2109	Sweetwater River Wooden Trestle Improvement for the Recycled Water Forcemain	M	R	3,000	3,100	3,200	3,300	3,400	3,500	19,500
S2043	RWCWRF Sludge Handling System	M/E/C	B	-	-	-	-	-	30,000	30,000
				\$3,000	\$4,800	\$4,900	\$36,700	\$61,700	\$161,351	\$272,451

Cost Category	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	TOTAL
Maintenance (M)	\$ 3,000	\$ 4,300	\$ 4,400	\$ 9,500	\$ 18,400	\$ 75,001	\$ 114,601
Energy (E)	-	500	500	26,200	36,300	66,350	129,850
Chemical (C)	-	-	-	1,000	7,000	20,000	28,000
Total Operating Budget Cost Impact	\$ 3,000	\$ 4,800	\$ 4,900	\$ 36,700	\$ 61,700	\$ 161,351	\$ 272,451

- ⁽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 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
CAPITAL FACILITIES																											
P2083	PS - 870-2 Pump Station Replacement	7/1/2013	6/29/2017																								
P2267	36-Inch Main Pumpouts and Air/Vacuum Ventilation Installations	7/10/2013	5/31/2016																								
P2434	Rancho Del Rey Groundwater Well Development	7/1/1994	6/27/2025																								
P2451	Otay Mesa Desalination Conveyance and Disinfection System	7/3/2006	4/30/2019																								
P2466	Regional Training Facility	7/2/2007	6/29/2017																								
P2486	Asset Management Plan Condition Assessment and Data Acquisition	7/1/2009	6/29/2018																								
P2511	Otay Interconnect Pipeline	7/1/2010	6/27/2025																								
P2537	Operations Yard Property Acquisition Improvements	6/27/2014	12/31/2018																								
P2541	624 Pressure Zone PRSs	7/1/2013	6/29/2015																								
P2547	District Administration Vehicle Charging Stations	7/10/2013	6/29/2015																								
P2548	Sump Pump Installation at the 980-1 & 2 Reservoirs	7/10/2013	6/29/2015																								
P2549	Fuel System Upgrade	7/10/2013	6/30/2015																								
P2551	Blossom Lane Helix WD and Otay WD Interconnection	7/10/2013	8/31/2016																								
P2552	South Barcelona Helix WD and Otay WD Interconnection	7/10/2013	8/31/2016																								
R2048	RecPL - Otay Mesa Distribution Pipelines and Conversions	7/1/2008	12/30/2022																								
R2058	RecPL - 16-Inch, 860 Zone, Airway Road - Otay Mesa/Alta	7/2/2001	12/30/2022																								
R2077	RecPL - 24-Inch, 860 Zone, Alta Road - Alta Gate/Airway	7/2/2001	1/2/2023																								
R2087	RecPL - 24-Inch, 927 Zone, Wueste Road - Olympic/Otay WTP	9/1/2006	6/28/2019																								
R2107	RWCWRF Screening Compactor and Chlorine Injectors Enclosure	7/2/2012	12/30/2014																								
R2108	Res - 927-1 Reservoir Cover Replacement	7/1/2013	6/29/2017																								
R2110	RecPS - 944-1 Optimization and Pressure Zone modifications	7/1/2013	5/31/2016																								
R2113	Chlorine 1-ton Cyliner Emergency Close Valve																										
R2114	Large Recycle Pump Replacement at the RWCWRF 927-1 Pump Station	7/10/2013	12/30/2015																								
R2117	RWCWRF Contact Basin Expansion Project	7/10/2013	6/29/2018																								
S2043	RWCWRF Sludge Handling System	7/1/2013	6/29/2021																								
REPLACMENT/RENEWAL																											
P2366	APCD Engine Replacements and Retrofits	12/1/2000	5/29/2020																								
P2382	Safety and Security Improvements	9/1/2003	6/29/2022																								
P2440	I-905 Utility Relocations	10/1/2003	6/29/2016																								
P2453	SR-11 Utility Relocations	7/3/2006	6/29/2020																								
P2477	Res - 624-1 Reservoir Cover Replacement	7/1/2008	9/30/2015																								
P2485	SCADA Communication System and Software Replacement	7/1/2009	6/29/2017																								
P2493	624-2 Reservoir Interior/Exterior Coating	7/1/2009	6/29/2017																								
P2494	Multiple Species Conservation Plan	7/1/2009	6/29/2016																								
P2495	San Miguel Habitat Management/Mitigation Area	7/1/2009	6/29/2020																								
P2496	Otay Lakes Road Utility Relocations	7/1/2009	6/30/2020																								
P2504	Regulatory Site Access Road and Pipeline Relocation	7/1/2010	12/30/2016																								
P2507	East Palomar Street Utility Relocation	7/1/2010	6/29/2016																								
P2508	Pipeline Cathodic Protection Replacement Program	7/1/2010	12/29/2017																								
P2515	870-1 Reservoir Paving	7/1/2011	12/20/2015																								
P2518	803-3 Reservoir Interior/Exterior Coating	7/1/2011	7/29/2016																								
P2519	832-2 Reservoir Interior/Exterior Coating	7/1/2011	7/29/2016																								
P2520	Motorola Mobile Radio Upgrade	8/1/2011	6/29/2015																								
				Planning				Design				Construction															

CIP Project Schedule

CIP No.	CIP Project Title	Start	Finish	FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4

REPLACEMENT/RENEWAL, CONTINUED

P2529	711-2 Reservoir Interior & Exterior Coating	7/10/2013	7/31/2018																							
P2530	711-1 Reservoir Interior & Exterior Coating	7/10/2013	7/31/2018																							
P2531	944-1 Reservoir Interior & Exterior Coating	7/10/2013	6/29/2017																							
P2532	944-2 Reservoir Interior & Exterior Coating	7/10/2013	6/29/2017																							
P2535	458-2 Reservoir Interior & Exterior Coating & Upgrades	6/3/2013	7/1/2019																							
P2538	Administration and Operations Building Fire Sprinkler Replacement Program	7/1/2013	11/28/2014																							
P2539	South Bay Bus Rapid Transit (BRT) Utility Relocations	7/1/2013	6/29/2017																							
P2542	850-3 Reservoir Interior Coating	5/5/2015	6/29/2018																							
P2550	Fuel Island Upgrade	7/10/2013	9/30/2015																							
P2553	Heritage Road Bridge Replacement and Utility Relocation	7/10/2013	6/28/2019																							
R2109	Sweetwater River Wooden Trestle Improvement for the Recycled Water Forcemain	7/10/2013	6/29/2017																							
R2111	RWCWRF - RAS Pump Replacement	7/1/2013	6/29/2016																							
R2112	450-1 Disinfection Facility Rehabilitation	7/10/2013	6/29/2017																							
R2116	RecPL - 14-Inch, 927 Zone, Forcemain Assessment and Repair	7/10/2013	6/29/2018																							
S2012	San Diego County Sanitation District Outfall and RSD Outfall Replacement	7/1/2003	6/29/2020																							
S2024	Campo Road Sewer Main Replacement	7/1/2013	6/29/2017																							
S2027	Rancho San Diego Pump Station Rehabilitation	7/1/2011	6/29/2017																							
S2033	Sewer System Rehabilitation	7/1/2011	12/31/2018																							

CAPITAL PURCHASES

P2282	Vehicle Capital Purchases	12/1/2000	6/29/2020																							
P2285	Office Equipment and Furniture Capital Purchases	12/1/2000	5/31/2019																							
P2286	Field Equipment Capital Purchases	7/1/1996	6/29/2020																							
P2469	Information Technology Network and Hardware	7/1/2008	6/29/2022																							
P2470	Financial System Enhancements	7/1/2008	5/31/2022																							
P2540	Work Order Management System Replacement	7/1/2013	6/29/2019																							

DEVELOPER REIMBURSEMENTS

R2028	RecPL - 8-Inch, 680 Zone, Heritage Road - Santa Victoria/Otay Valley	1/2/2006	12/28/2018																							
R2042	RecPL - 8-Inch, 927 Zone, Rock Mountain Road - SR-125/EastLake	7/3/2006	6/28/2019																							
R2047	RecPL - 12-Inch, 680 Zone, La Media Road - Birch/Rock Mountain	7/3/2006	6/29/2017																							
R2082	RecPL - 24-Inch, 680 Zone, Olympic Parkway - Village 2/Heritage	7/1/2004	12/20/2019																							
R2083	RecPL - 20-Inch, 680 Zone, Heritage Road - Village 2/Olympic	7/1/2004	6/26/2020																							
R2084	RecPL - 20-Inch, 680 Zone, Village 2 - Heritage/La Media	7/1/2004	6/28/2019																							
R2085	RecPL - 20-Inch, 680 Zone, La Media - State/Olympic	7/1/2013	6/28/2019																							

Planning Design Construction

FY 2015 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
FIELD EQUIPMENT			
Finance			
	3	Portable Meter Test Program/hardware	15,000
Operations			
	4	Truck Mounted Crane (Pump/Electric)	21,000
Total of Field Equipment			<u>36,000</u>
VEHICLES			
Engineering Planning			
	2	New F150 pick-up truck for Inspection to be purchased out of P2262 - Vehicle Capital Purchases	34,500
Operations			
	1	Replacement of F150 pick-up truck, to be purchased out of P2262 - Vehicle Capital Purchases.	34,500
Total of Vehicles			<u>69,000</u>
Grand Total :			<u><u>\$ 105,000</u></u>

Summary by Project

P2286 Field	\$ 36,000
P2282 Vehicle	<u>69,000.00</u>
	<u><u>\$ 105,000</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.

Budget Amount: The estimated budget includes all costs needed to complete a project including land, right-of-way, consultants, contractors, District staff time, etc. All prior years' costs are part of the total cost and dollars are rounded up to the nearest \$1,000.

Description of Project: A brief description of a project which typically includes size, length, capacity, etc.

Justification of Project: A brief explanation of why a project is required which addresses flexibility, reliability, water quality, safety, contractual obligation, immediate growth, etc., as appropriate.

Comments: Pertinent information that should be known about a project that is not shown elsewhere on the project sheet, including details of funding sources, including grant funding or contributions from other agencies.

Funding Detail: The funding sources are listed along with the percentage of distribution to expansion, betterment, and/or replacement.

Expenditure Schedule: The breakdown of a project's expenditures by fiscal year – prior years' cost along with a six-year budget schedule. Included in each year are all costs to complete the work scheduled in that year rounded up to the nearest \$1,000.

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

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

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

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

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

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

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35	Total	
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6	Total	

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7	Total	

PROJECT TITLE: PS - 870-2 Pump Station Replacement				CIP Number: P2083			
				DIRECTOR DIVISION: 2			
PROJECT MANAGER: Jeff Marchioro				I.D. LOCATION: 7			
ORIGINAL APPROVED DATE: 5/17/1995				PRIORITY: 1			
RELATED CIP PROJECTS: P2451				BUDGET AMOUNT: \$16,500,000			

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	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
\$850	\$650	\$7,500	\$7,500	\$0	\$0	\$0	\$16,500

CIP Number: P2083

PROJECT SCHEDULE:

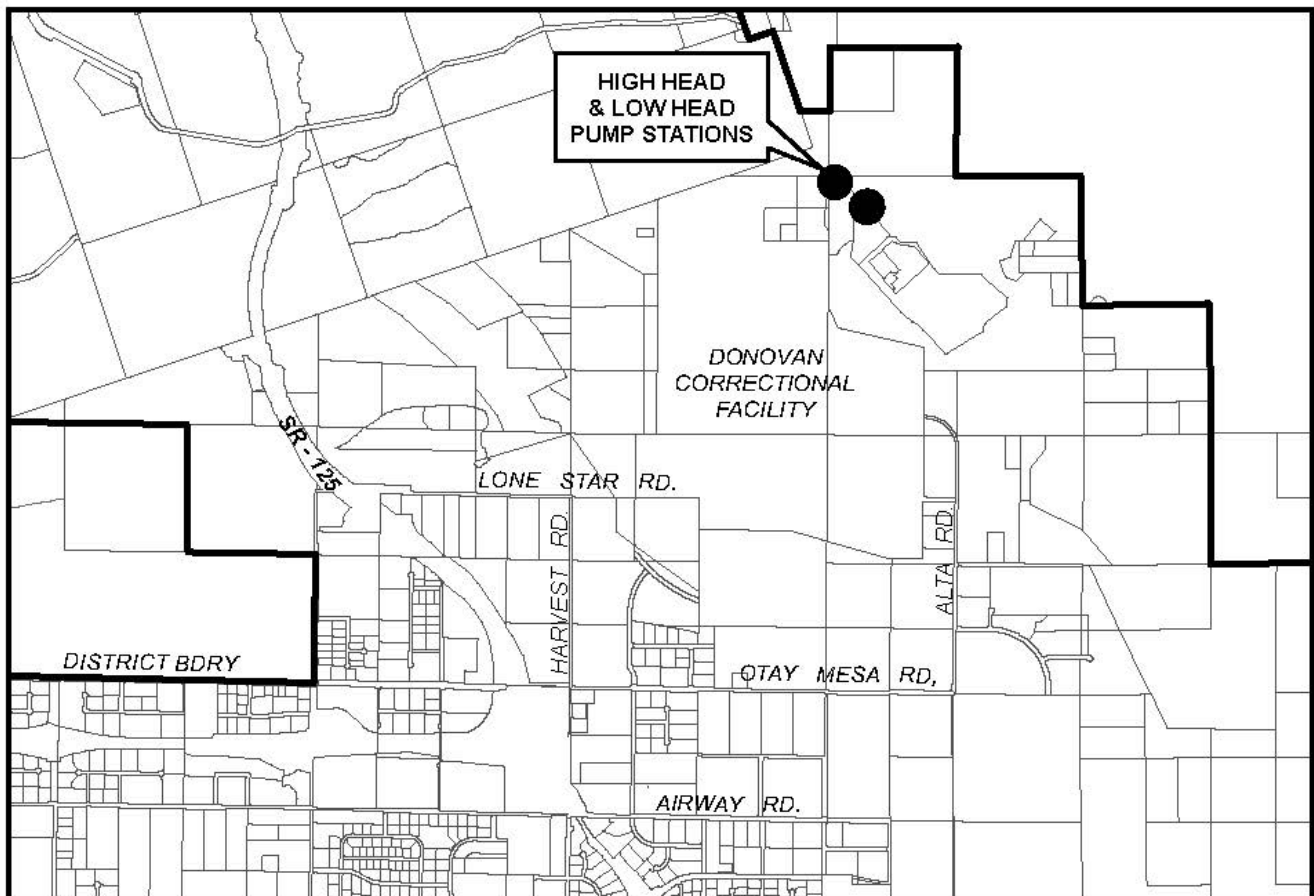
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2013	9/1/2013	\$650
DESIGN:	9/1/2013	6/30/2015	\$850
CONSTRUCTION:	7/1/2015	6/30/2017	\$15,000

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: Jeff Marchioro

Date: 8/5/2014

PROJECT TITLE: 36-Inch Main Pumpouts and Air/Vacuum Ventilation Installations				CIP Number: P2267			
				DIRECTOR DIVISION:		3	
PROJECT MANAGER:		Tadeo Vasquez		I.D. LOCATION:		1	
ORIGINAL APPROVED DATE:		6/3/1996		PRIORITY:		2	
RELATED CIP PROJECTS:				BUDGET AMOUNT:		\$435,000	

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
\$235	\$195	\$5	\$0	\$0	\$0	\$0	\$435

CIP Number: P2267

PROJECT SCHEDULE:

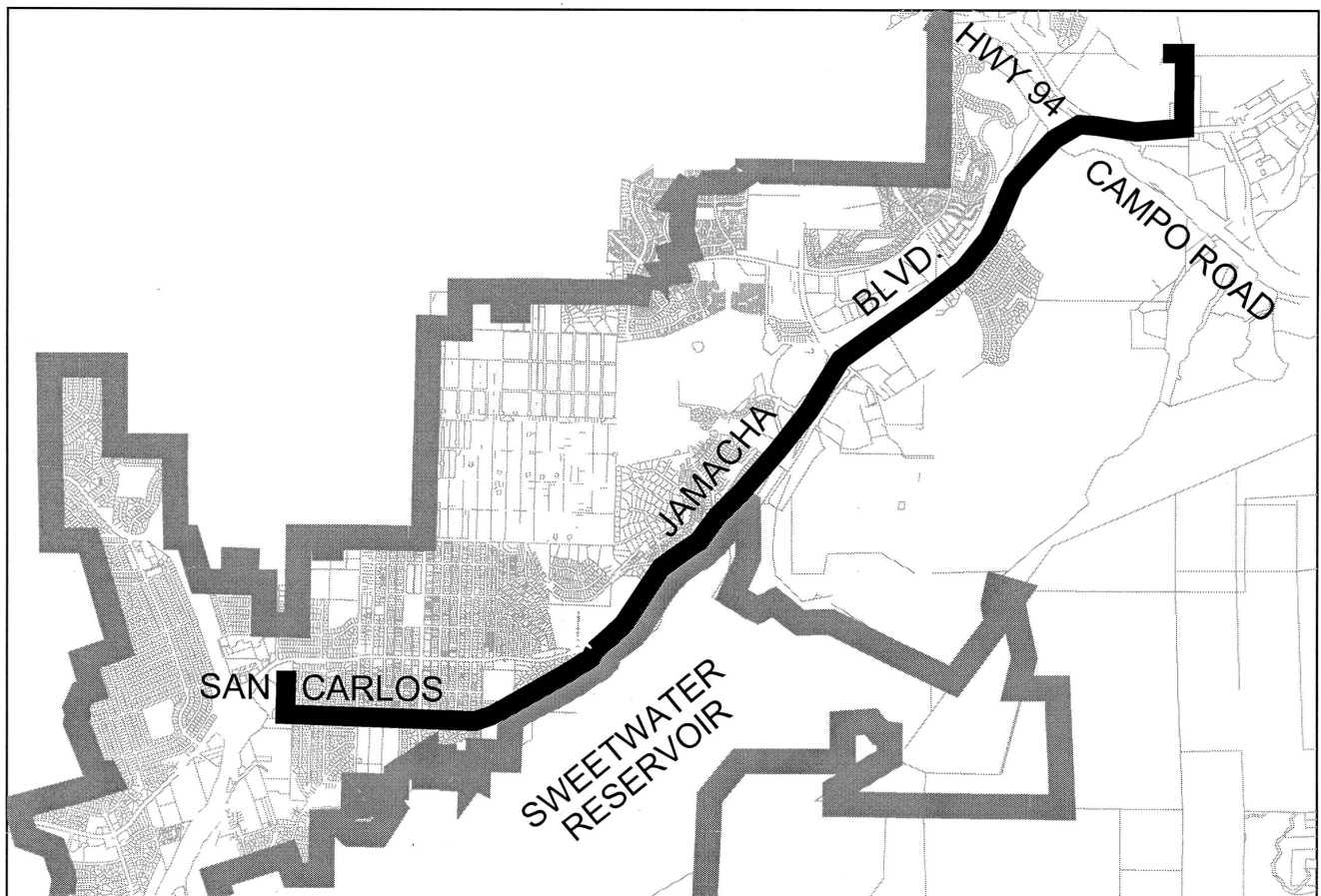
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/1997		\$435

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: Bob Kennedy

Date: 5/2/2014

PROJECT TITLE: Rancho Del Rey Groundwater Well Development				CIP Number: P2434			
				DIRECTOR DIVISION: 2			
PROJECT MANAGER: Jeff Marchioro				I.D. LOCATION: 22			
ORIGINAL APPROVED DATE: 5/21/2009				PRIORITY: 3			
RELATED CIP PROJECTS:				BUDGET AMOUNT: \$8,700,000			

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
\$3,630	\$75	\$0	\$0	\$0	\$0	\$0	\$3,705

CIP Number: P2434

PROJECT SCHEDULE:

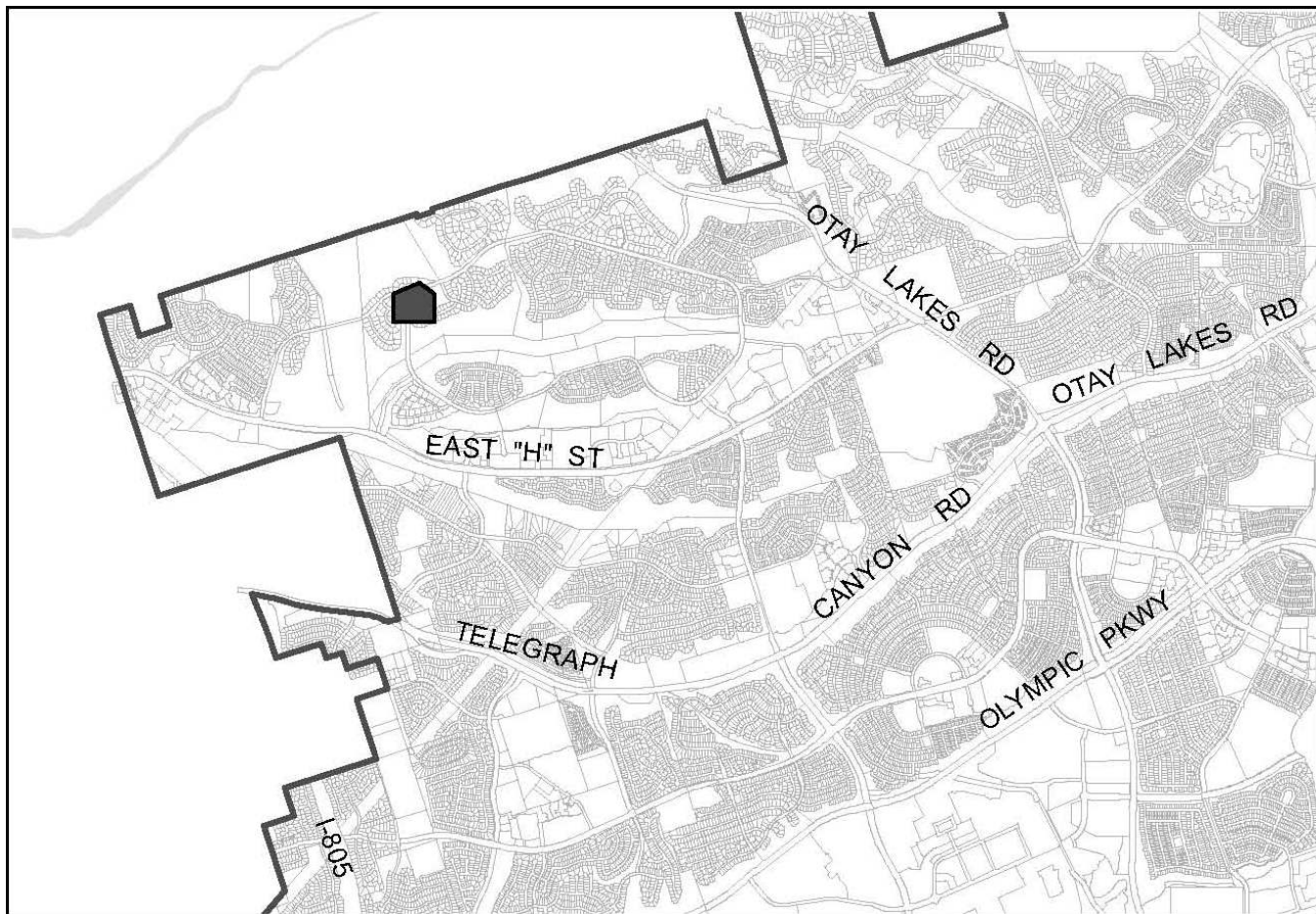
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/1994	12/1/2010	\$2,600
DESIGN:	1/1/2011	6/30/2023	\$1,200
CONSTRUCTION:	7/1/2023	6/30/2025	\$4,900

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 5/2/2014

PROJECT TITLE: Otay Mesa Desalination Conveyance and Disinfection System				CIP Number: P2451			
				DIRECTOR DIVISION:		2	
PROJECT MANAGER:		Bob Kennedy		I.D. LOCATION:		7	
ORIGINAL APPROVED DATE:		5/23/2006		PRIORITY:		1	
RELATED CIP PROJECTS:		P2083		BUDGET AMOUNT:		\$30,000,000	

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
\$2,600	\$1,000	\$3,500	\$8,500	\$8,500	\$5,900	\$0	\$30,000

CIP Number: P2451

PROJECT SCHEDULE:

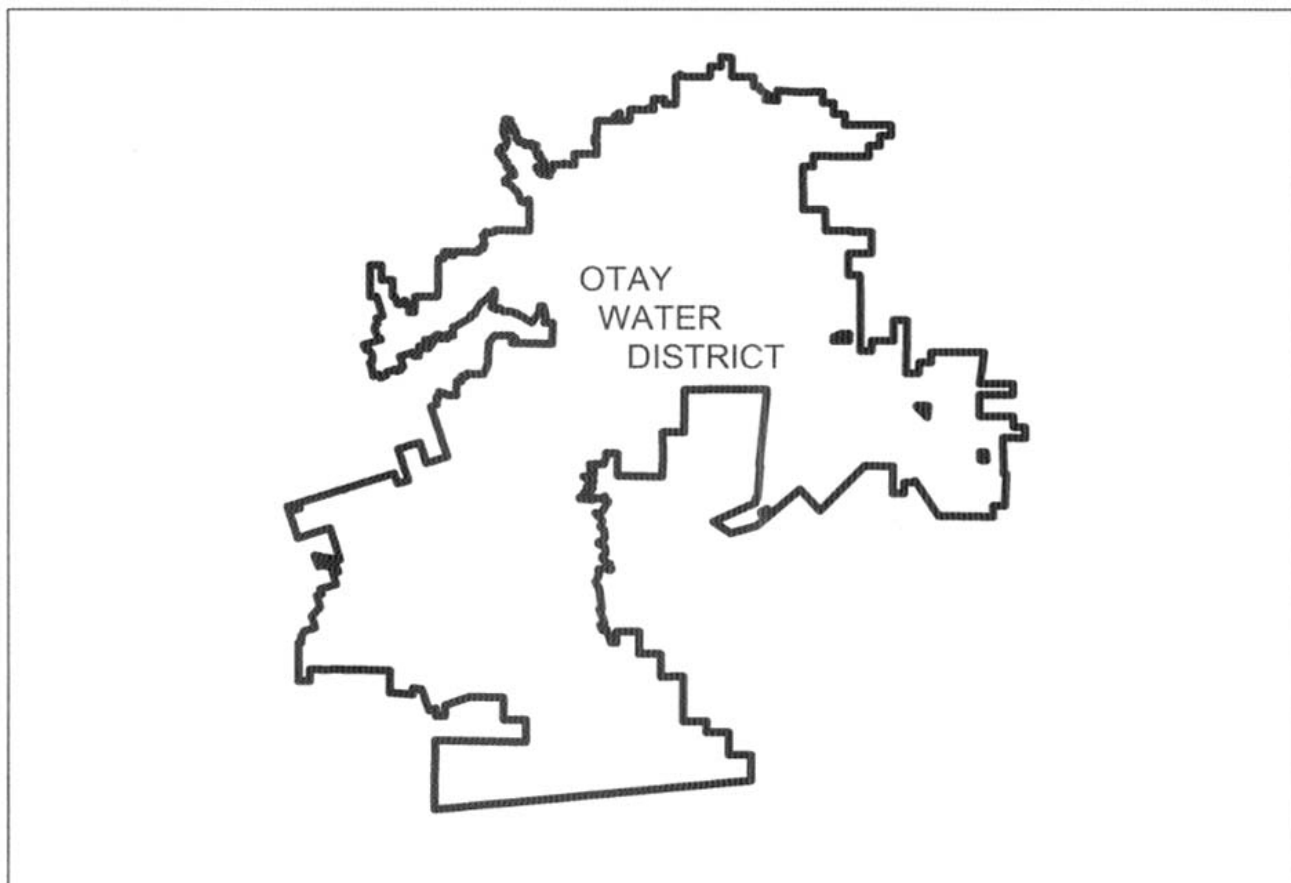
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2006	12/31/2014	\$2,500
DESIGN:	1/1/2015	9/30/2016	\$3,300
CONSTRUCTION:	10/1/2016	5/1/2019	\$24,200

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	Total
MAINT:	\$0	\$0	\$0	\$5,000	\$10,000	\$60,000	\$75,000
ENERGY:	\$0	\$0	\$0	\$25,000	\$35,000	\$55,000	\$115,000
CHEMICAL:	\$0	\$0	\$0	\$1,000	\$7,000	\$10,000	\$18,000

PROJECT LOCATION:

OWD Map Book:



Submitted By: Bob Kennedy

Date: 4/10/2014

PROJECT TITLE: Regional Training Facility				CIP Number: P2466			
				DIRECTOR DIVISION: 5			
PROJECT MANAGER:		Lisa Coburn-Boyd		I.D. LOCATION:		20	
ORIGINAL APPROVED DATE:		5/29/2007		PRIORITY:		1	
RELATED CIP PROJECTS:		P2504		BUDGET AMOUNT:		\$300,000	

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
\$286	\$3	\$6	\$5	\$0	\$0	\$0	\$300

CIP Number: P2466

PROJECT SCHEDULE:

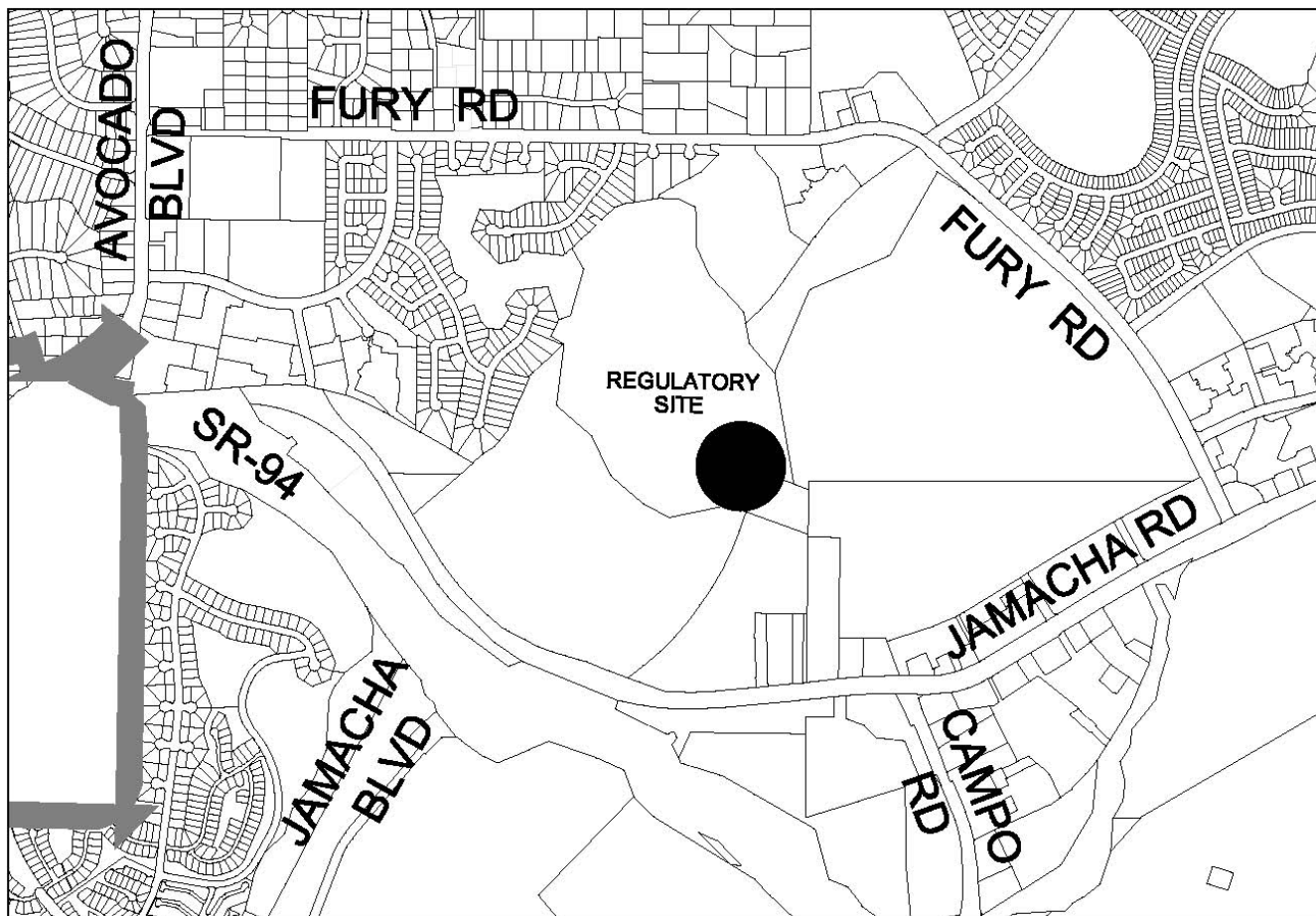
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2007	6/30/2017	\$300
DESIGN:			\$0
CONSTRUCTION:			\$0

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	Total
MAINT:	\$0	\$1,000	\$1,000	\$1,000	\$1,000	\$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: Lisa Coburn-Boyd

Date: 2/20/2014

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

DESCRIPTION OF PROJECT:

 This project is for the development of an integrated Asset Management system. Funds in 2015 will be used to continue to modify the GIS based asset management database, research and testing of condition assessment methodologies, and development of analytical capabilities to better use asset management information.

JUSTIFICATION OF PROJECT:

 Implementation of an Asset Management Plan is best practice and will provide for a formal means of maintaining, replacing, and funding the existing fixed assets. It is a strategic objective in the existing and new strategic plan.

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Expansion	40 %	0 %	0 %	0 %	40 %
Betterment ID 1	0 %	4 %	0 %	0 %	5 %
Betterment ID 2	0 %	1 %	0 %	0 %	1 %
Betterment ID 3	0 %	3 %	0 %	0 %	4 %
Betterment ID 9	0 %	1 %	0 %	0 %	2 %
Betterment ID 20	0 %	6 %	0 %	0 %	6 %
Betterment ID 5	0 %	1 %	0 %	0 %	1 %
Betterment ID 10	0 %	3 %	0 %	0 %	3 %
Betterment ID 19	0 %	0 %	0 %	0 %	0 %
Betterment ID 22	0 %	34 %	0 %	0 %	34 %
Betterment ID 7	0 %	4 %	0 %	0 %	5 %
TOTAL:	40 %	60 %	0 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
\$837	\$75	\$75	\$75	\$28	\$0	\$0	\$1,090

CIP Number: P2486

PROJECT SCHEDULE:

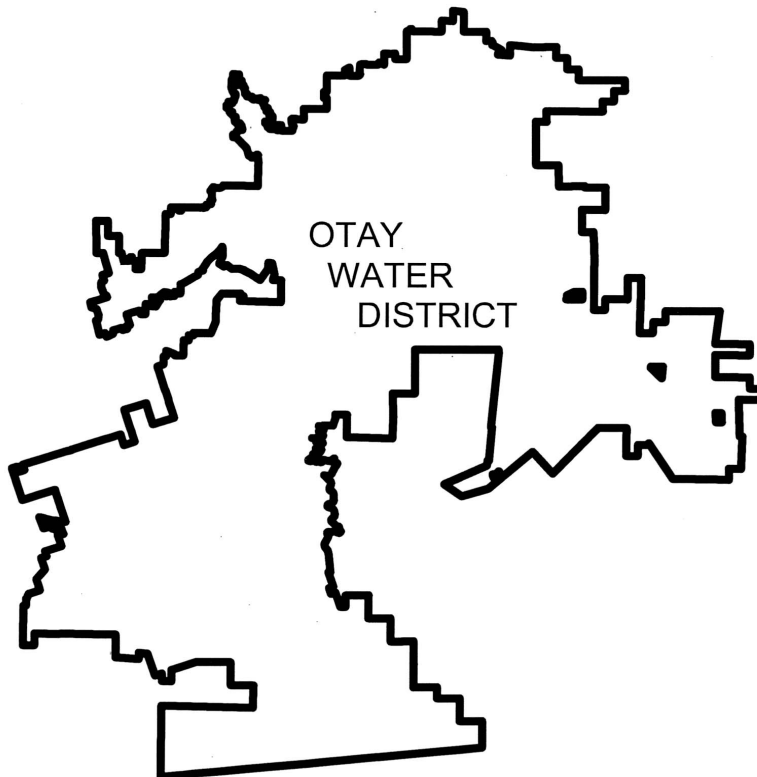
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2009	6/30/2018	\$1,090
DESIGN:			\$0
CONSTRUCTION:			\$0

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 5/2/2014

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

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
\$1,900	\$100	\$1	\$1	\$1	\$1	\$1	\$2,005

CIP Number: P2511

PROJECT SCHEDULE:

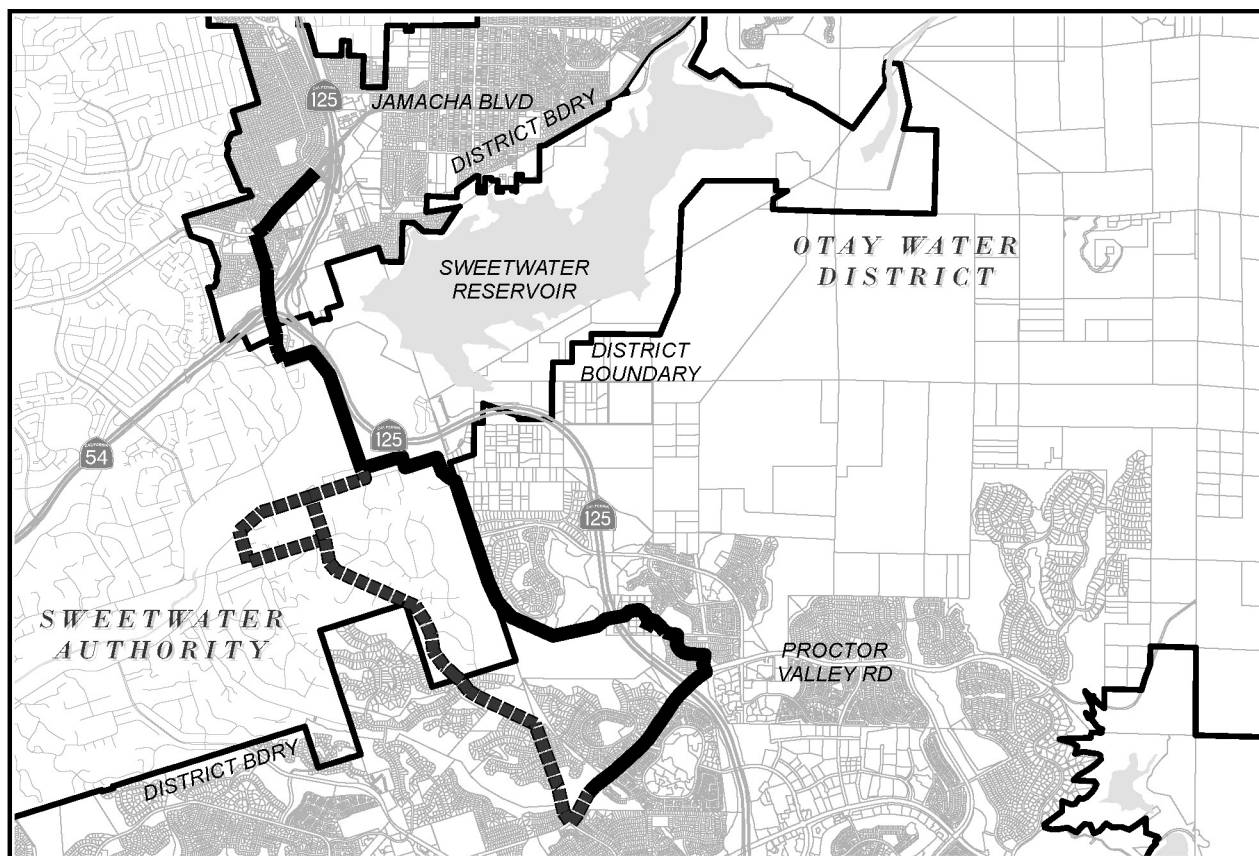
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2010	6/1/2014	\$1,250
DESIGN:	6/1/2013	6/30/2023	\$2,200
CONSTRUCTION:	7/1/2023	6/30/2025	\$33,850

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: Bob Kennedy

Date: 5/2/2014

PROJECT TITLE: Operations Yard Property Acquisition Improvements				CIP Number: P2537			
				DIRECTOR DIVISION:		4	
PROJECT MANAGER:		Howard Almgren		I.D. LOCATION:		20	
ORIGINAL APPROVED DATE:		11/13/2008		PRIORITY:		1	
RELATED CIP PROJECTS:		P2479		BUDGET AMOUNT:		\$350,000	

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 is complete, 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
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	2015	2016	2017	2018	2019	2020	Total
	\$30	\$100	\$170	\$50	\$0	\$0	\$350

CIP Number: P2537

PROJECT SCHEDULE:

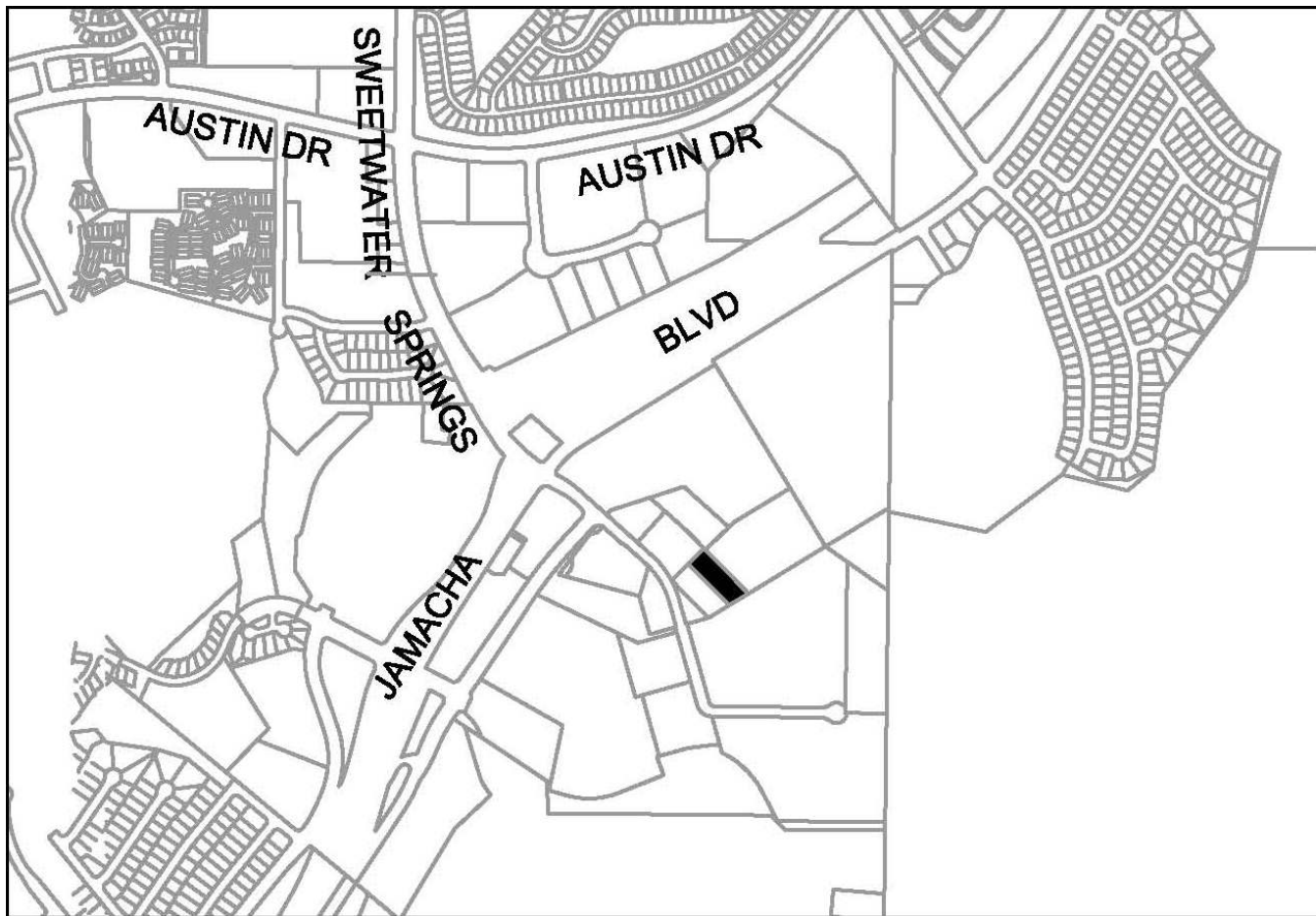
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	6/1/2008	6/30/2014	\$25
DESIGN:	7/1/2018	12/31/2014	\$60
CONSTRUCTION:	1/1/2015	6/30/2017	\$265

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$1	\$1
ENERGY:	\$0	\$0	\$0	\$700	\$800	\$850	\$2,350
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 318



Submitted By: Bob Kennedy

Date: 5/2/2014

PROJECT TITLE: 624 Pressure Zone PRSs				CIP Number: P2541																											
PROJECT MANAGER: Jeff Marchioro				DIRECTOR DIVISION: 2																											
ORIGINAL APPROVED DATE:				I.D. LOCATION: 10, 22																											
RELATED CIP PROJECTS: P2434				PRIORITY: 1																											
				BUDGET AMOUNT: \$600,000																											
DESCRIPTION OF PROJECT: This project will provide two pressure reducing stations feeding the 458 and 485 Pressure Zones from the 624 Pressure Zone (Sequoia & Brandywine 624/458 PRS and Terra Nova Drive 624/485 PRS, respectively).																															
JUSTIFICATION OF PROJECT: This project would upgrade the 485 and 485 Pressure Zones to improve fire flow and enhance system reliability. The 624/485 PRS project will also improve blending and distribution of treated water from the future Rancho Del Rey Groundwater Well (CIP P2434).																															
COMMENTS:																															
FUND DETAILS: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">FUNDING SOURCE:</th> <th>Expansion</th> <th>Betterment</th> <th>Replacement</th> <th>New Water Supply</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Betterment ID 10</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">50 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">50 %</td> </tr> <tr> <td>Betterment ID 22</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">50 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">50 %</td> </tr> <tr> <td>TOTAL:</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> </tbody> </table>								FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total	Betterment ID 10	0 %	50 %	0 %	0 %	50 %	Betterment ID 22	0 %	50 %	0 %	0 %	50 %	TOTAL:	0 %	100 %	0 %	0 %	100 %
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total																										
Betterment ID 10	0 %	50 %	0 %	0 %	50 %																										
Betterment ID 22	0 %	50 %	0 %	0 %	50 %																										
TOTAL:	0 %	100 %	0 %	0 %	100 %																										
EXPENDITURE SCHEDULE (X \$1,000): <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>PRIOR YEARS:</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> </tr> <tr> <th>TOTAL</th> <th>2015</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>\$175</td> <td>\$425</td> <td>\$0</td> <td>\$0</td> <td>\$0</td> <td>\$0</td> <td>\$0</td> <td>\$600</td> </tr> </tbody> </table>								PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY	TOTAL	2015	2016	2017	2018	2019	2020	Total	\$175	\$425	\$0	\$0	\$0	\$0	\$0	\$600
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY																								
TOTAL	2015	2016	2017	2018	2019	2020	Total																								
\$175	\$425	\$0	\$0	\$0	\$0	\$0	\$600																								

CIP Number: P2541

PROJECT SCHEDULE:

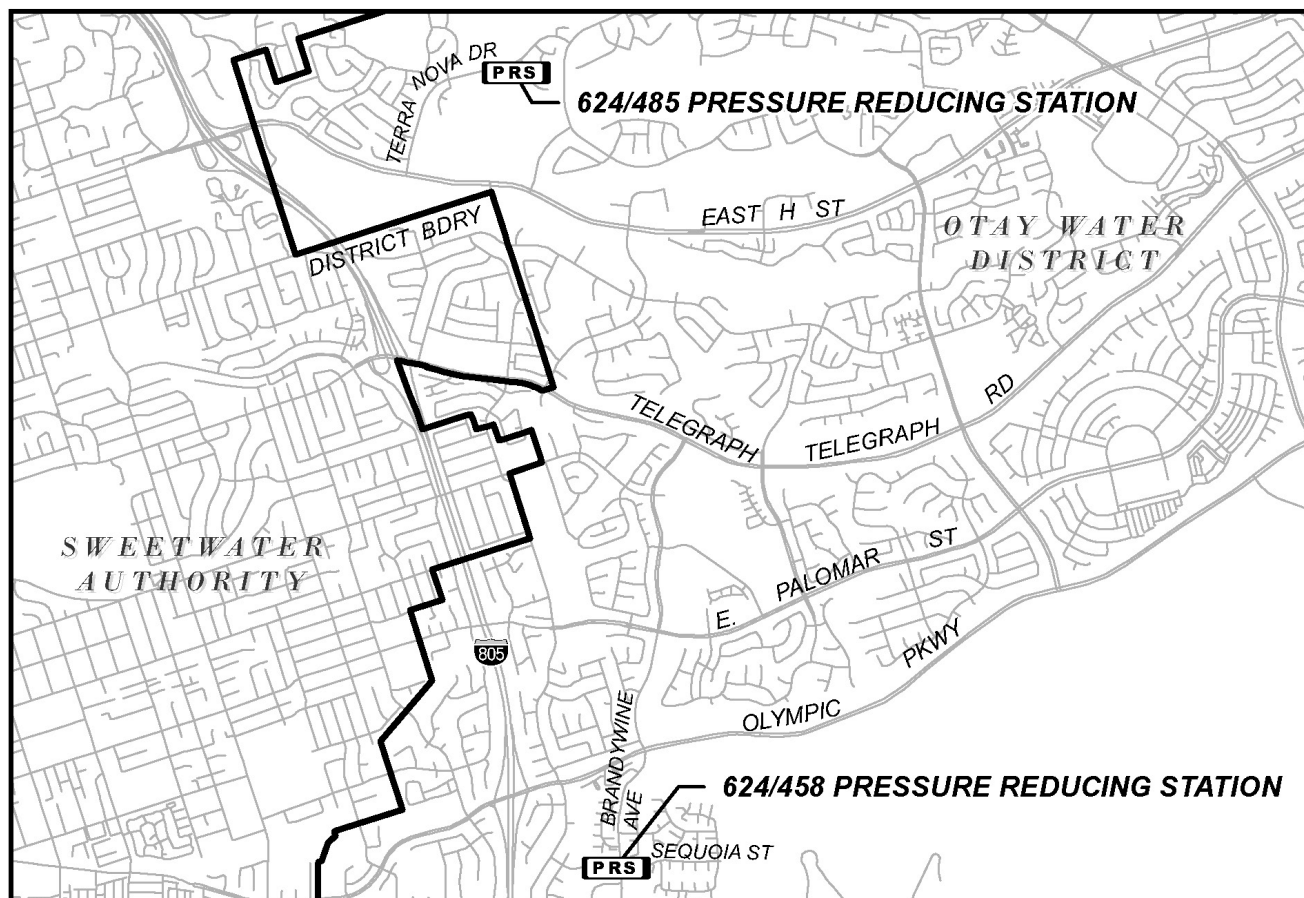
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2013	8/1/2013	\$25
DESIGN:	8/1/2013	6/30/2014	\$175
CONSTRUCTION:	7/1/2014	6/30/2015	\$400

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: Jeff Marchioro

Date: 8/5/2014

PROJECT TITLE: District Administration Vehicle Charging Stations				CIP Number: P2547			
				DIRECTOR DIVISION: 3			
PROJECT MANAGER: Howard Almgren				I.D. LOCATION: 20			
ORIGINAL APPROVED DATE:				PRIORITY: 1			
RELATED CIP PROJECTS:				BUDGET AMOUNT: \$50,000			

DESCRIPTION OF PROJECT:							
Construct four (4) electric vehicle charging stations at the lower Administration parking lot.							

JUSTIFICATION OF PROJECT:							

COMMENTS:							
\$1,000 for permit \$14,600 for each charging stations with dual power docks (2 total) \$15,000 Installation \$5,000 for Conduit							

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

EXPENDITURE SCHEDULE (X \$1,000):							
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
\$0	\$45	\$5	\$0	\$0	\$0	\$0	\$50

CIP Number: P2547

PROJECT SCHEDULE:

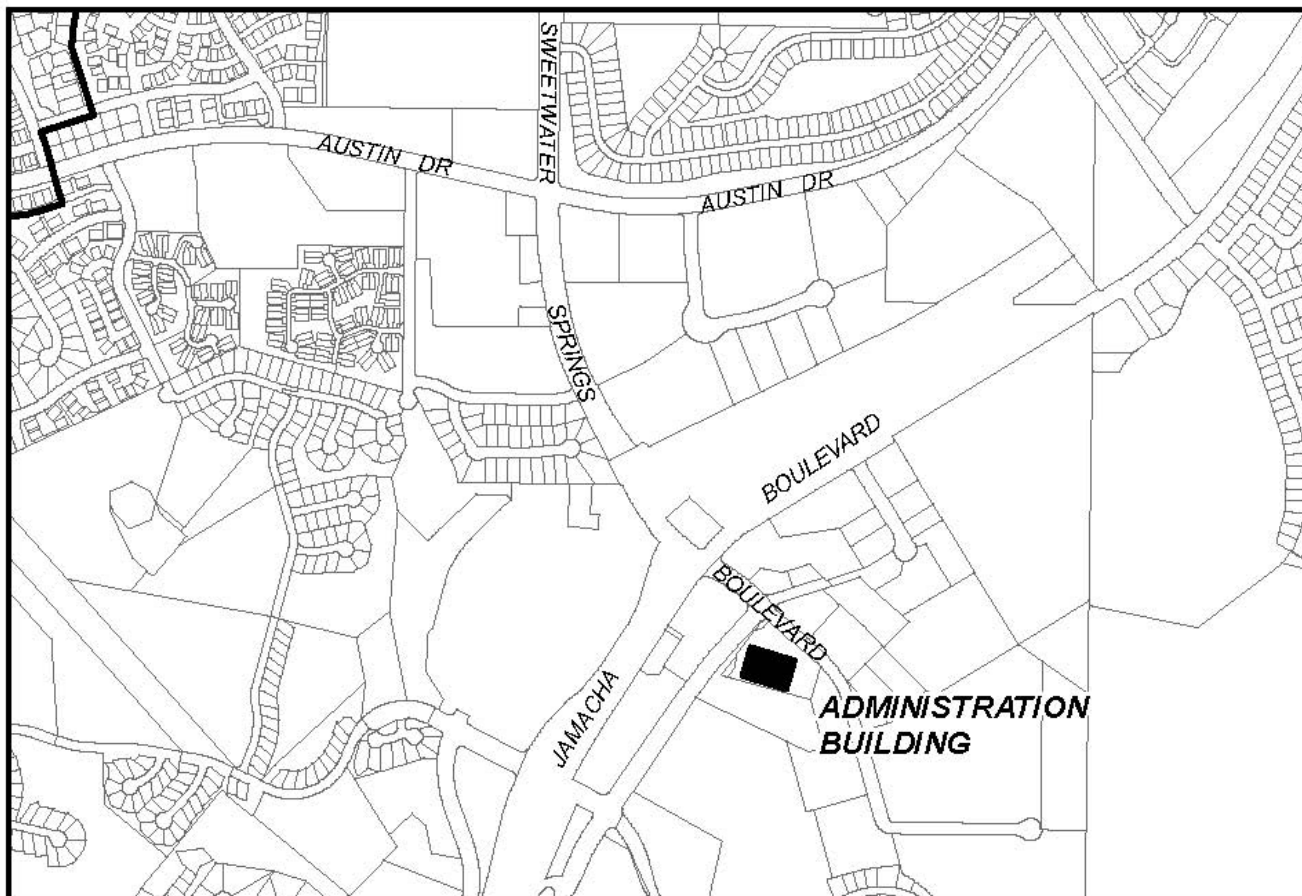
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2014	6/30/2016	\$50

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: Bob Kennedy

Date: 5/2/2014

PROJECT TITLE: Sump Pump Installation at the 980-1 & 2 Reservoirs				CIP Number: P2548																											
				DIRECTOR DIVISION:		5																									
PROJECT MANAGER:		Don Anderson		I.D. LOCATION:		22/27																									
ORIGINAL APPROVED DATE:				PRIORITY:		1																									
RELATED CIP PROJECTS:				BUDGET AMOUNT:		\$35,000																									
DESCRIPTION OF PROJECT: Install power for sump pumps in two altitude valve vaults located at the 980-1 & 2 Reservoirs.																															
JUSTIFICATION OF PROJECT: The vaults constantly fill up with ground water and staff needs to pump the water out, by adding an electric sump pump it will pump the water out of the vaults automatically.																															
COMMENTS:																															
FUND DETAILS: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">FUNDING SOURCE:</th> <th>Expansion</th> <th>Betterment</th> <th>Replacement</th> <th>New Water Supply</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Replacement</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> <tr> <td>TOTAL:</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> </tbody> </table>								FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total	Replacement	0 %	0 %	100 %	0 %	100 %	TOTAL:	0 %	0 %	100 %	0 %	100 %						
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total																										
Replacement	0 %	0 %	100 %	0 %	100 %																										
TOTAL:	0 %	0 %	100 %	0 %	100 %																										
EXPENDITURE SCHEDULE (X \$1,000): <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>PRIOR YEARS:</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> </tr> <tr> <th>TOTAL</th> <th>2015</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$35</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$35</td> </tr> </tbody> </table>								PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY	TOTAL	2015	2016	2017	2018	2019	2020	Total	\$0	\$35	\$0	\$0	\$0	\$0	\$0	\$35
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY																								
TOTAL	2015	2016	2017	2018	2019	2020	Total																								
\$0	\$35	\$0	\$0	\$0	\$0	\$0	\$35																								

CIP Number: P2548

PROJECT SCHEDULE:

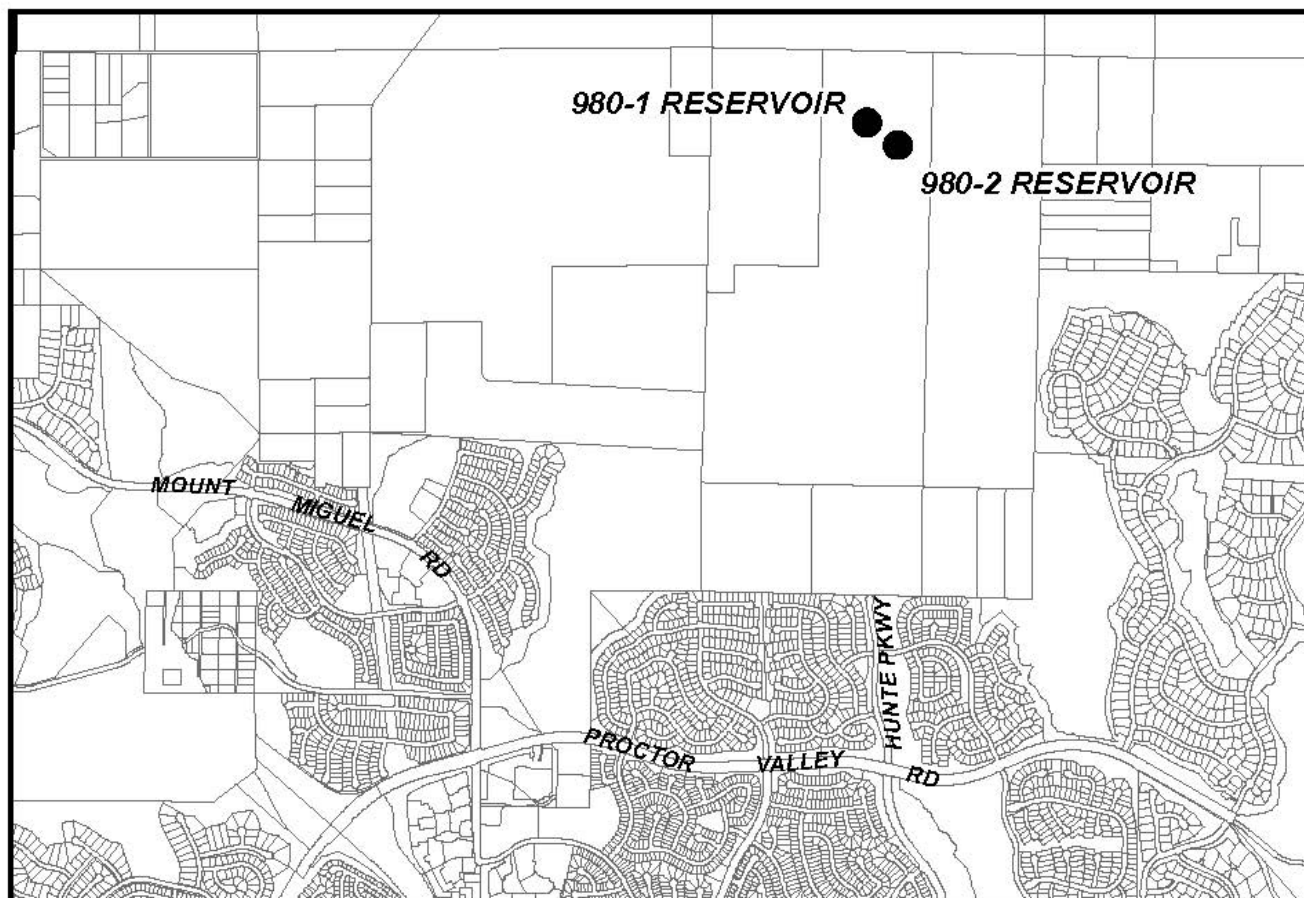
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2014	9/30/2014	\$0
DESIGN:	10/1/2014	3/31/2015	\$0
CONSTRUCTION:	4/1/2014	6/30/2015	\$35

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 5/2/2014

PROJECT TITLE: Fuel System Upgrade				CIP Number: P2549			
				DIRECTOR DIVISION: 3			
PROJECT MANAGER: Kent Payne				I.D. LOCATION: 20			
ORIGINAL APPROVED DATE:				PRIORITY: 1			
RELATED CIP PROJECTS: P2550				BUDGET AMOUNT: \$30,000			

DESCRIPTION OF PROJECT:

 This project is to upgrade the Districts fuel system, both in the vehicles as well as the fuel island itself.

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	2015	2016	2017	2018	2019	2020	Total
	\$0	\$30	\$0	\$0	\$0	\$0	\$30

CIP Number: P2549

PROJECT SCHEDULE:

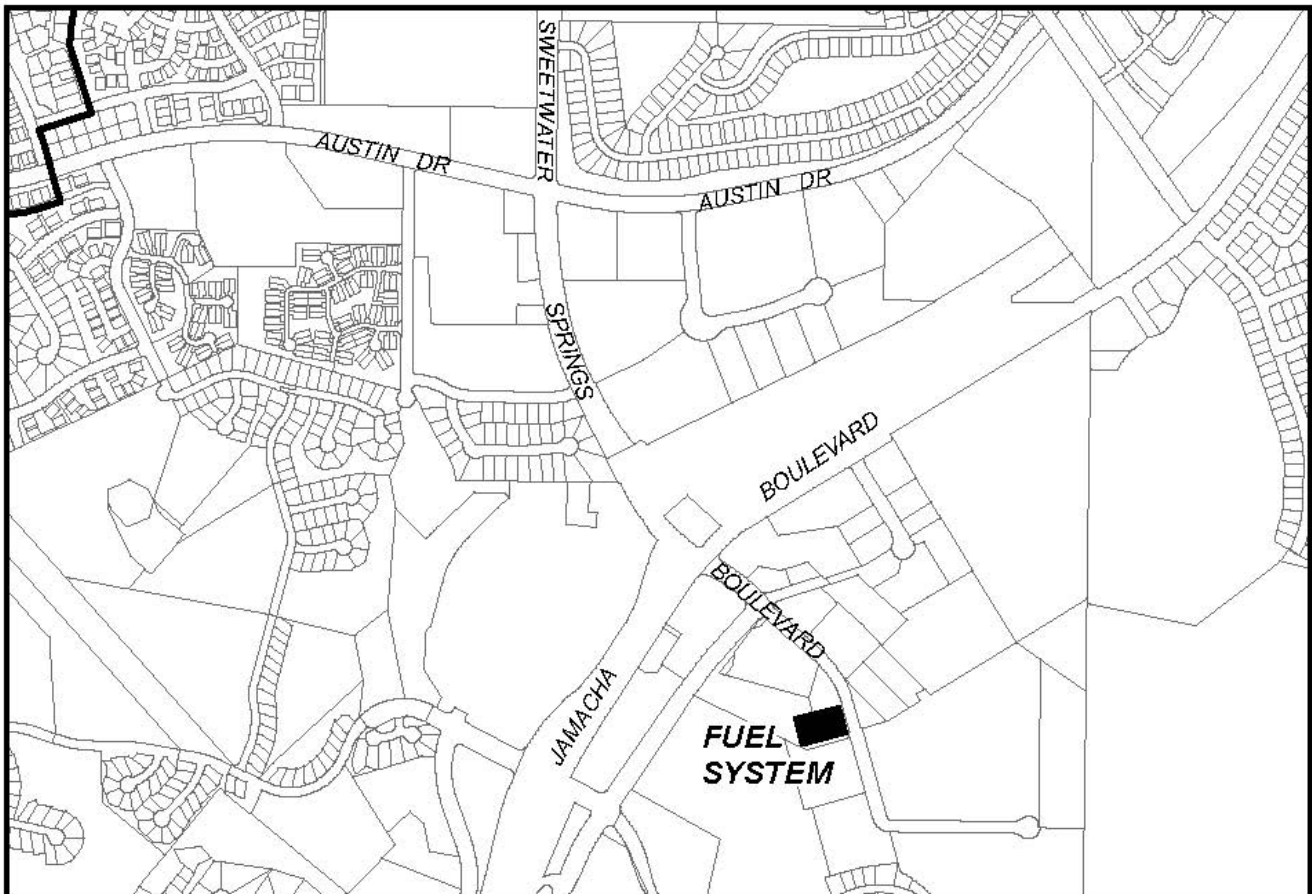
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2014	9/30/2014	\$1
DESIGN:	10/1/2014	3/31/2015	\$1
CONSTRUCTION:	4/1/2015	6/30/2015	\$28

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 5/2/2014

PROJECT TITLE: Blossom Lane Helix WD and Otay WD Interconnection				CIP Number: P2551			
				DIRECTOR DIVISION: 3			
PROJECT MANAGER: Steve Beppler				I.D. LOCATION: 1			
ORIGINAL APPROVED DATE:				PRIORITY: 2			
RELATED CIP PROJECTS: P2552				BUDGET AMOUNT: \$400,000			

DESCRIPTION OF PROJECT:
 To upgrade meter, vault, telemetry and other interconnection appurtenances to meet current standards.

JUSTIFICATION OF PROJECT:
 Upgrade interconnection to 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	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
\$0	\$5	\$145	\$250	\$0	\$0	\$0	\$400

CIP Number: P2551

PROJECT SCHEDULE:

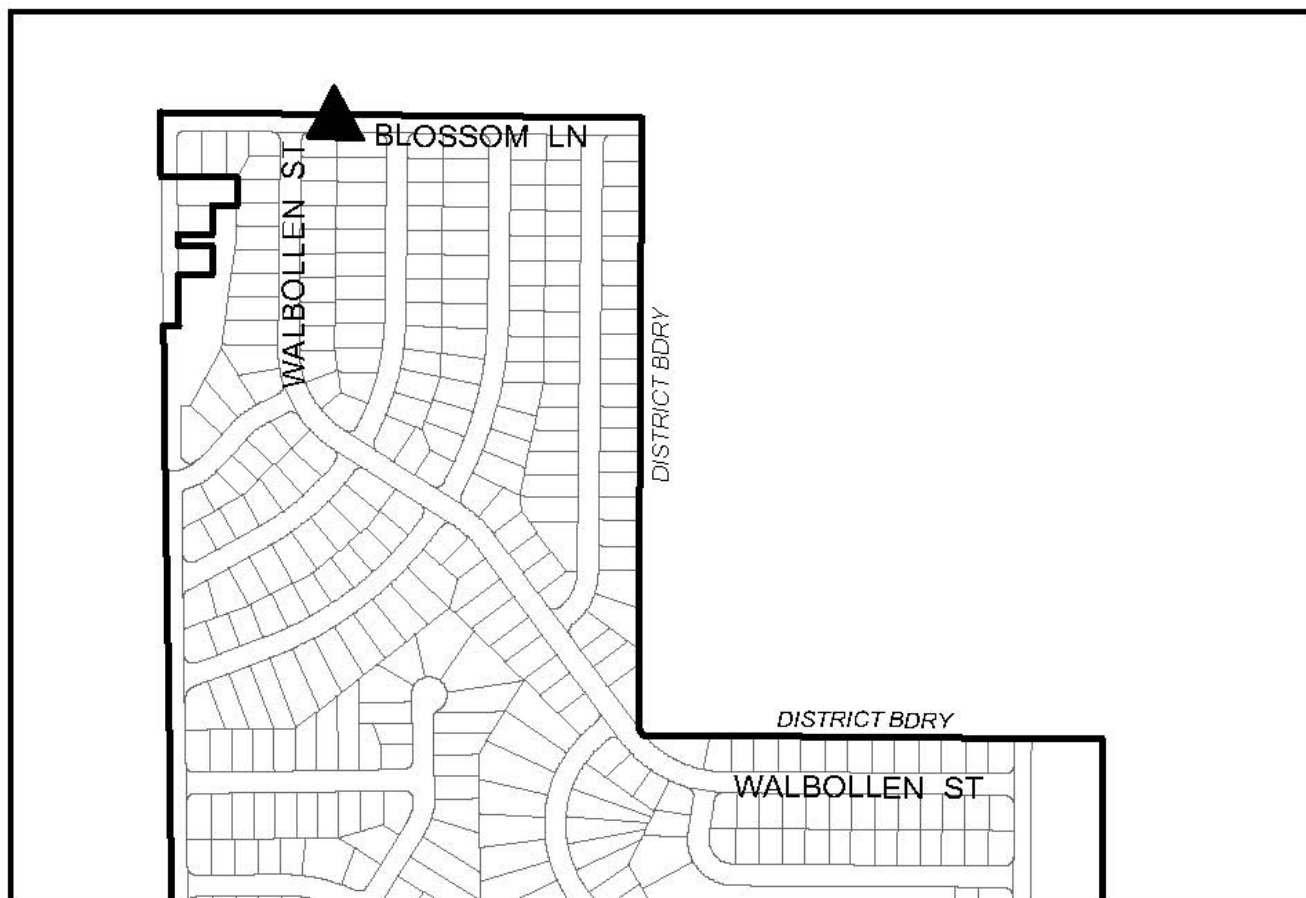
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2014	6/1/2015	\$5
DESIGN:	7/1/2015	3/1/2016	\$95
CONSTRUCTION:	3/1/2016	9/1/2016	\$300

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 5/2/2014

PROJECT TITLE: South Barcelona Helix WD and Otay WD Interconnection				CIP Number: P2552																											
				DIRECTOR DIVISION:		3																									
PROJECT MANAGER:		Steve Beppler		I.D. LOCATION:		20																									
ORIGINAL APPROVED DATE:				PRIORITY:		2																									
RELATED CIP PROJECTS:		P2551		BUDGET AMOUNT:		\$400,000																									
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: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">FUNDING SOURCE:</th> <th>Expansion</th> <th>Betterment</th> <th>Replacement</th> <th>New Water Supply</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Betterment ID 20</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> <tr> <td>TOTAL:</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> </tbody> </table>								FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total	Betterment ID 20	0 %	100 %	0 %	0 %	100 %	TOTAL:	0 %	100 %	0 %	0 %	100 %						
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total																										
Betterment ID 20	0 %	100 %	0 %	0 %	100 %																										
TOTAL:	0 %	100 %	0 %	0 %	100 %																										
EXPENDITURE SCHEDULE (X \$1,000): <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">PRIOR YEARS:</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> </tr> <tr> <th style="text-align: left;">TOTAL</th> <th>2015</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$5</td> <td style="text-align: right;">\$145</td> <td style="text-align: right;">\$250</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$400</td> </tr> </tbody> </table>								PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY	TOTAL	2015	2016	2017	2018	2019	2020	Total	\$0	\$5	\$145	\$250	\$0	\$0	\$0	\$400
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY																								
TOTAL	2015	2016	2017	2018	2019	2020	Total																								
\$0	\$5	\$145	\$250	\$0	\$0	\$0	\$400																								

CIP Number: P2552

PROJECT SCHEDULE:

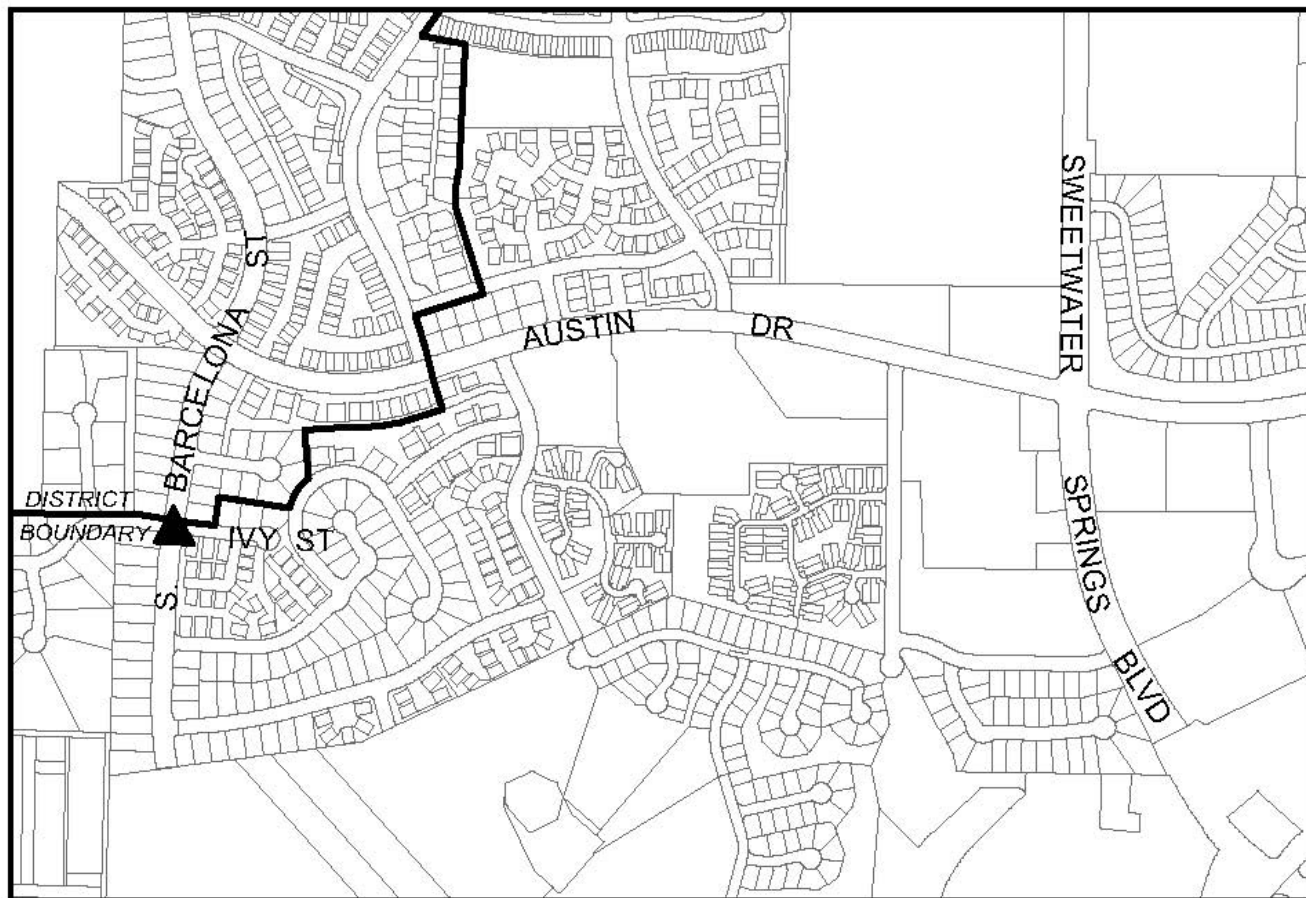
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2014	9/1/2014	\$5
DESIGN:	7/1/2015	3/1/2016	\$95
CONSTRUCTION:	3/1/2016	9/1/2016	\$300

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 5/2/2014

PROJECT TITLE: RecPL - Otay Mesa Distribution Pipelines and Conversions				CIP Number: R2048			
				DIRECTOR DIVISION:		2	
PROJECT MANAGER:		Dan Martin		I.D. LOCATION:		7	
ORIGINAL APPROVED DATE:		6/23/2008		PRIORITY:		1	
RELATED CIP PROJECTS:		R2058, R2077, R2087		BUDGET AMOUNT:		\$2,150,000	

DESCRIPTION OF PROJECT:

 Construction of various distribution pipeline links and conversion of existing pipelines for recycled water use within the 860 Pressure Zone of the Otay Mesa System.

JUSTIFICATION OF PROJECT:

 This project will connect the existing distribution recycled water pipelines, currently supplied with potable water, to the planned construction of pipeline links to supply all those existing water demands within the Otay Mesa System with recycled water. Funding opportunity is the United States Bureau of Reclamation Water Reclamation and Reuse Program, Title XVI of P.L. 102-575.

COMMENTS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
	\$500	\$1	\$1	\$1	\$1	\$50	\$555

CIP Number: R2048

PROJECT SCHEDULE:

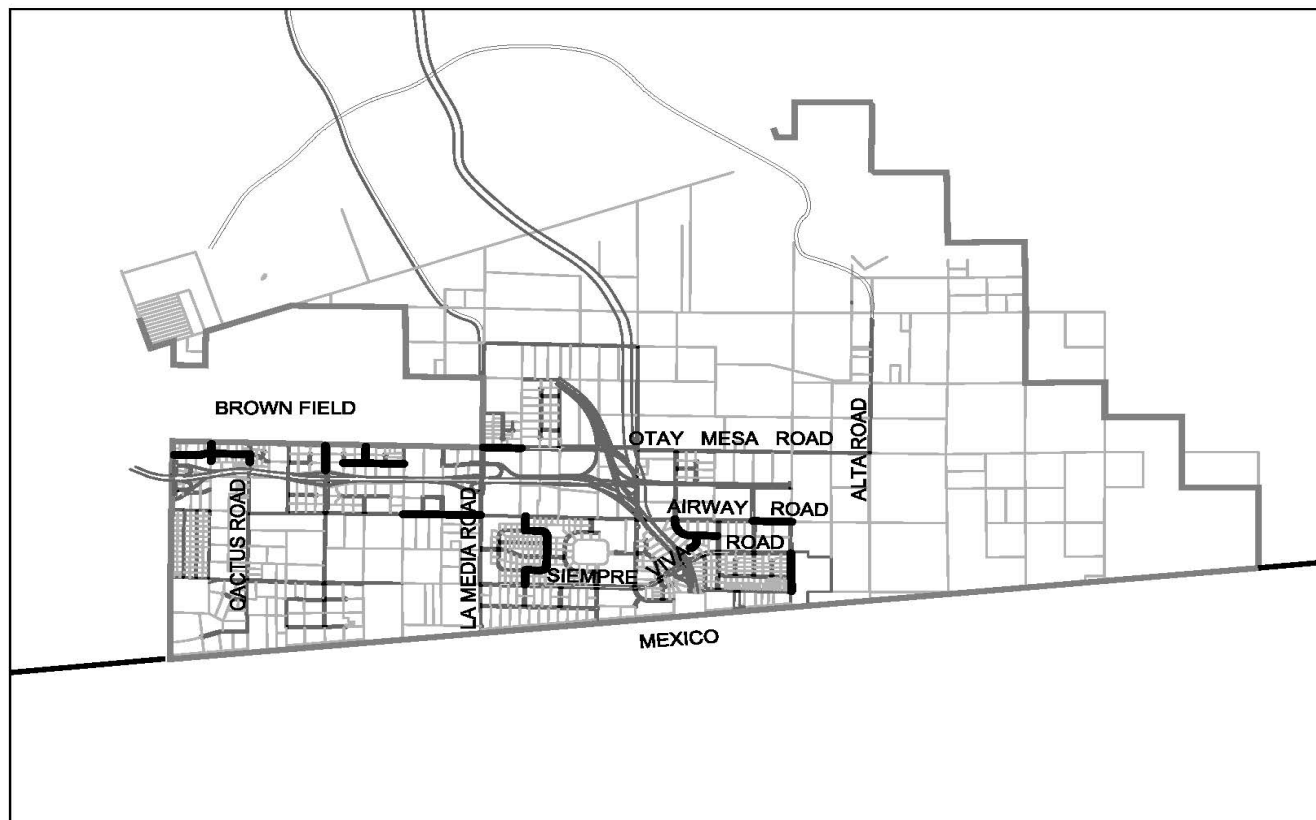
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2008	12/1/2008	\$80
DESIGN:	1/1/2009	6/30/2019	\$520
CONSTRUCTION:	7/1/2019	12/31/2022	\$1,550

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 12



Submitted By: Bob Kennedy

Date: 5/2/2014

PROJECT TITLE: RecPL - 16-Inch, 860 Zone, Airway Road - Otay Mesa/Alta				CIP Number: R2058			
				DIRECTOR DIVISION:		2	
PROJECT MANAGER:		Dan Martin		I.D. LOCATION:		7	
ORIGINAL APPROVED DATE:		6/16/1999		PRIORITY:		1	
RELATED CIP PROJECTS:		R2048, R2077, R2087		BUDGET AMOUNT:		\$3,500,000	

DESCRIPTION OF PROJECT:

 Construction of approximately 10,700 feet of 16-inch pipeline within the 860 Pressure Zone in Airway Road from Otay Mesa Road to Alta Road. Portions of this project will be constructed by developers and these are subject to reimbursement at actual cost per Board policy.

JUSTIFICATION OF PROJECT:

 This project will provide transmission capacity for development of Otay Mesa within the 860 Pressure Zone. Funding opportunity is the United States Bureau of Reclamation Water Reclamation and Reuse Program, Title XVI of P.L. 102-575.

COMMENTS:

 Developer driven project. No major activity anticipated between FY 2014 - FY 2019.

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	2015	2016	2017	2018	2019	2020	Total
\$1,351	\$1	\$1	\$1	\$1	\$1	\$50	\$1,406

CIP Number: R2058

PROJECT SCHEDULE:

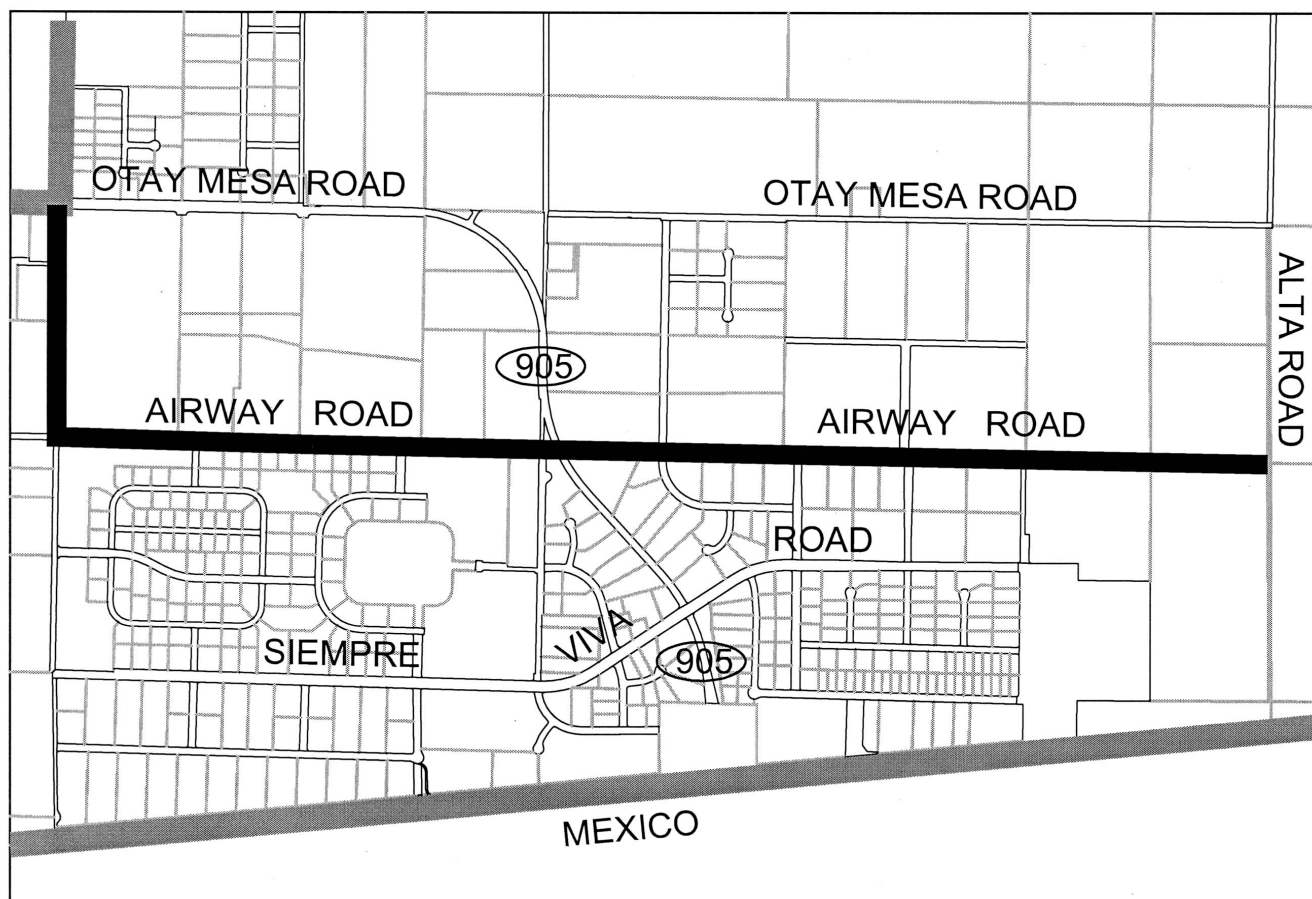
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2001	12/1/2009	\$120
DESIGN:	1/1/2010	6/30/2019	\$330
CONSTRUCTION:	7/1/2019	12/31/2022	\$3,050

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 12



Submitted By: Bob Kennedy

Date: 5/2/2014

PROJECT TITLE: RecPL - 24-Inch, 860 Zone, Alta Road - Alta Gate/Airway				CIP Number: R2077			
				DIRECTOR DIVISION:		2	
PROJECT MANAGER:		Steve Beppler		I.D. LOCATION:		7	
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 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	2015	2016	2017	2018	2019	2020	Total
\$2,845	\$25	\$5	\$600	\$600	\$425	\$0	\$4,500

CIP Number: R2077

PROJECT SCHEDULE:

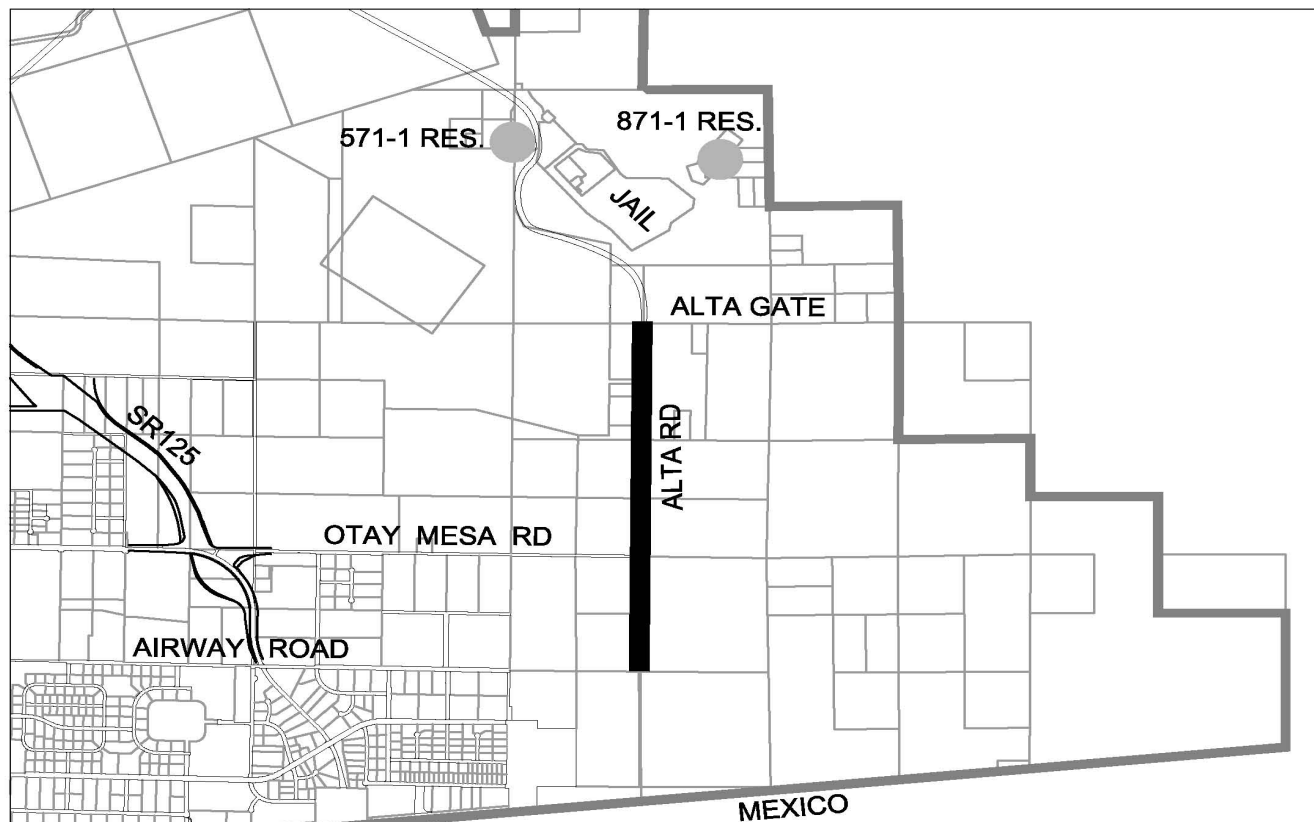
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2001	12/1/2009	\$164
DESIGN:	1/1/2010	6/30/2019	\$451
CONSTRUCTION:	7/1/2019	12/31/2020	\$3,885

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: Steve Beppler

Date: 8/6/2014

PROJECT TITLE: RecPL - 24-Inch, 927 Zone, Wueste Road - Olympic/Otay WTP				CIP Number: R2087			
				DIRECTOR DIVISION:		1	
PROJECT MANAGER:		Kevin Cameron		I.D. LOCATION:		22	
ORIGINAL APPROVED DATE:		5/23/2006		PRIORITY:		1	
RELATED CIP PROJECTS:		R2048, R2058, R2077		BUDGET AMOUNT:		\$7,000,000	

DESCRIPTION OF PROJECT:

 Construction of approximately 15,100 feet of 24-inch pipeline within the 927 Pressure Zone in Wueste Road from Olympic Parkway to near the existing City of San Diego Otay WTP. This project will be constructed as part of the Otay Mesa Recycled Water System Supply Link.

JUSTIFICATION OF PROJECT:

 This project will provide transmission capacity for development of Otay Mesa and is a part of the link to the 927 Pressure Zone supply to the planned 860-1 Reservoir within the Otay Mesa recycled water system. Funding opportunity is the United States Bureau of Reclamation Water Reclamation and Reuse Program, Title XVI of P.L. 102-575.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
\$1,050	\$5	\$5	\$5	\$5	\$5	\$5,925	\$7,000

CIP Number: R2087

PROJECT SCHEDULE:

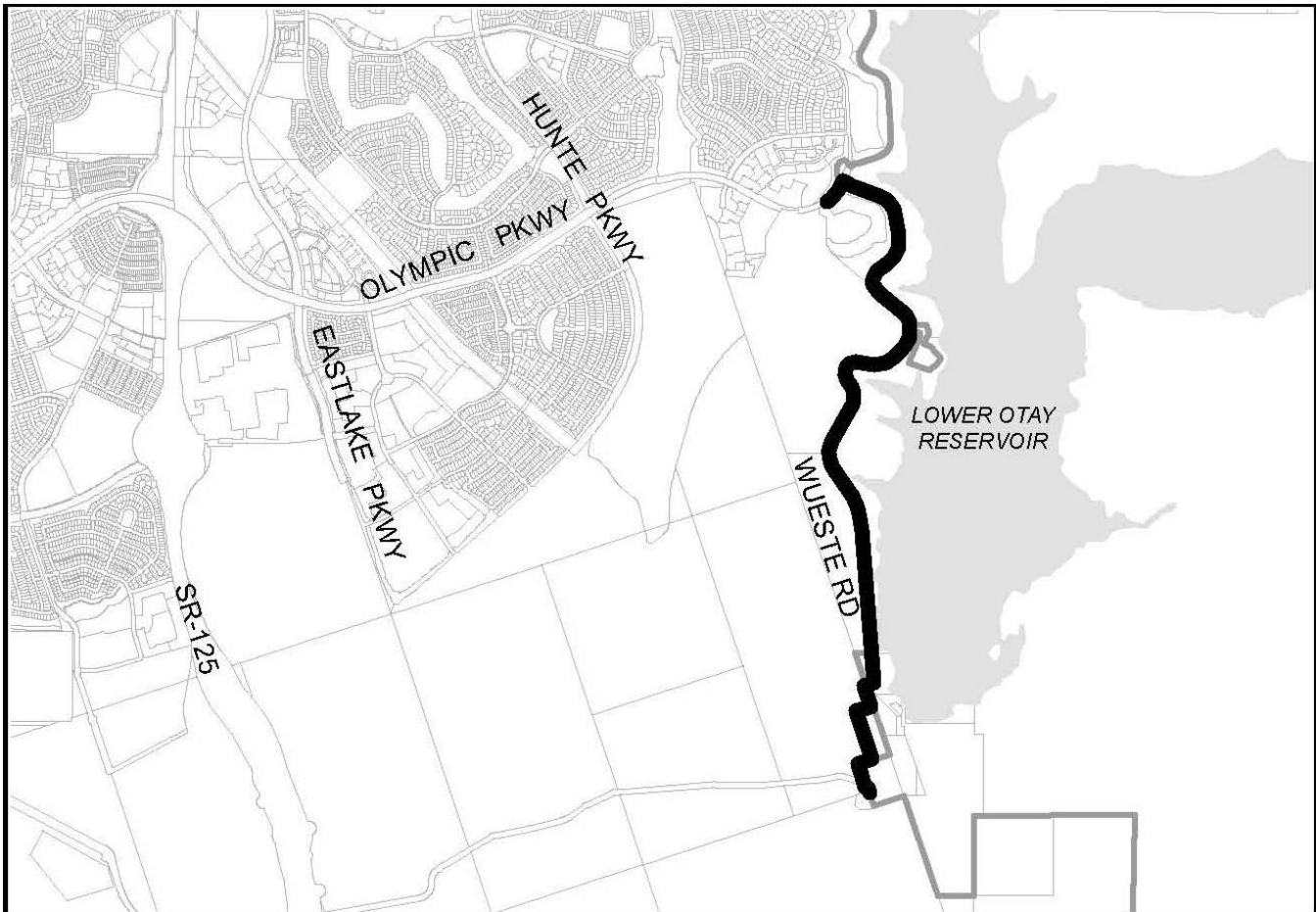
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	9/1/2006	12/1/2009	\$180
DESIGN:	1/1/2010	6/30/2019	\$765
CONSTRUCTION:	7/1/2016	12/31/2020	\$6,055

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 85



Submitted By: Bob Kennedy

Date: 4/10/2014

PROJECT TITLE: RWCWRF Screening Compactor and Chlorine Injectors Enclosure		CIP Number: R2107	
PROJECT MANAGER: Gary Stalker		DIRECTOR DIVISION: 3	
ORIGINAL APPROVED DATE: 5/15/2011		I.D. LOCATION: 20	
RELATED CIP PROJECTS:		PRIORITY: 2	
RELATED CIP PROJECTS:		BUDGET AMOUNT: \$215,000	

DESCRIPTION OF PROJECT:

 Install screening compactor at the RWCWRF headwork, repair concrete supports at headworks, and construct a 3-sided enclosure around the chlorine injectors at the reclamation plant chlorine contact basin.

JUSTIFICATION OF PROJECT:

 The screening compactor will remove waste material at the headwork to the RWCWRF and compact the material for disposal to a landfill. This will result in reducing the amount of solids discharged back to Metro.

 The PVC chlorine injectors at the chlorine contact basin at the reclamation plant need to be protected from sunlight.

COMMENTS:

 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	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
\$130	\$85	\$0	\$0	\$0	\$0	\$0	\$215

CIP Number: R2107

PROJECT SCHEDULE:

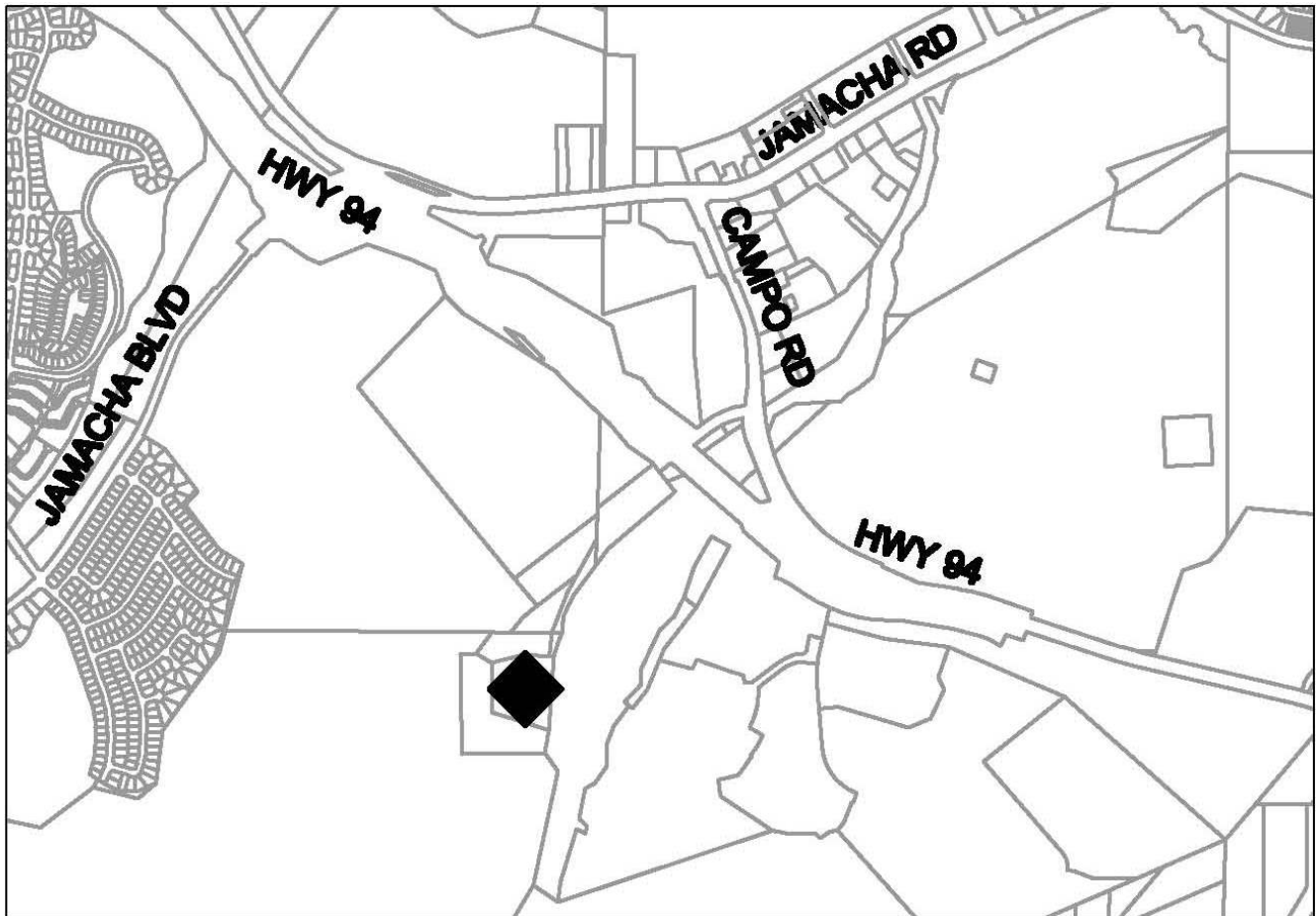
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2012	12/31/2014	\$215

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 5/2/2014

PROJECT TITLE: Res - 927-1 Reservoir Cover Replacement				CIP Number: R2108																											
				DIRECTOR DIVISION: 5																											
PROJECT MANAGER: Jeff Marchioro				I.D. LOCATION: 22/27																											
ORIGINAL APPROVED DATE:				PRIORITY: 1																											
RELATED CIP PROJECTS:				BUDGET AMOUNT: \$1,400,000																											
DESCRIPTION OF PROJECT: This project is for the replacement of the existing membrane floating cover and liner with new membrane system.																															
JUSTIFICATION OF PROJECT: The existing membrane floating cover and liner have reached the end of their useful life and requires replacement to meet regulatory requirements.																															
COMMENTS:																															
FUND DETAILS: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">FUNDING SOURCE:</th> <th>Expansion</th> <th>Betterment</th> <th>Replacement</th> <th>New Water Supply</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Replacement</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> <tr> <td>TOTAL:</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> </tbody> </table>								FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total	Replacement	0 %	0 %	100 %	0 %	100 %	TOTAL:	0 %	0 %	100 %	0 %	100 %						
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total																										
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PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY																								
TOTAL	2015	2016	2017	2018	2019	2020	Total																								
\$1,200	\$50	\$5	\$145	\$0	\$0	\$0	\$1,400																								

CIP Number: R2108

PROJECT SCHEDULE:

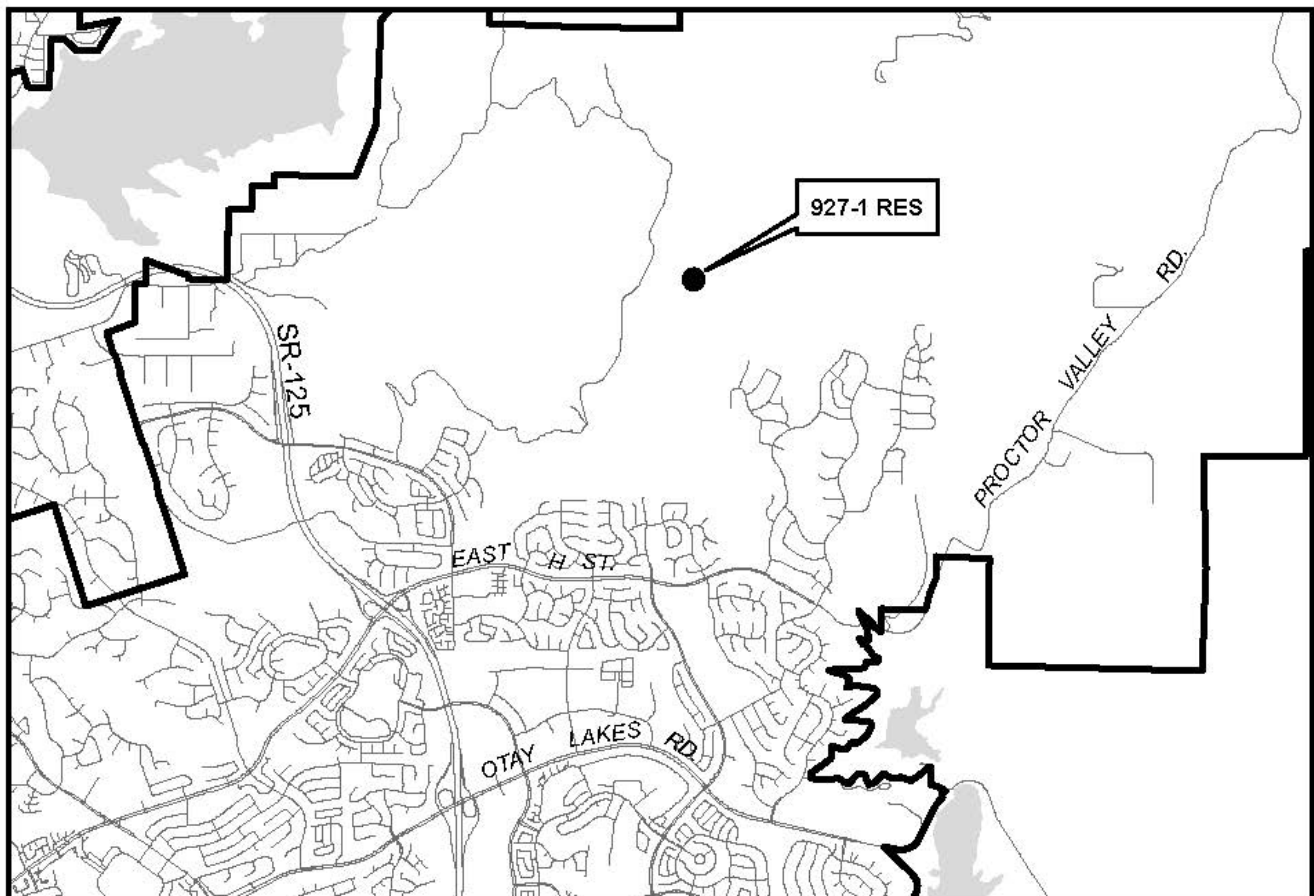
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2013	8/1/2013	\$2
DESIGN:	7/1/2013	11/6/2013	\$50
CONSTRUCTION:	11/6/2013	6/30/2017	\$1,348

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 5/2/2014

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 to 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
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	2015	2016	2017	2018	2019	2020	Total
\$50	\$50	\$100	\$0	\$0	\$0	\$0	\$200

CIP Number: R2110

PROJECT SCHEDULE:

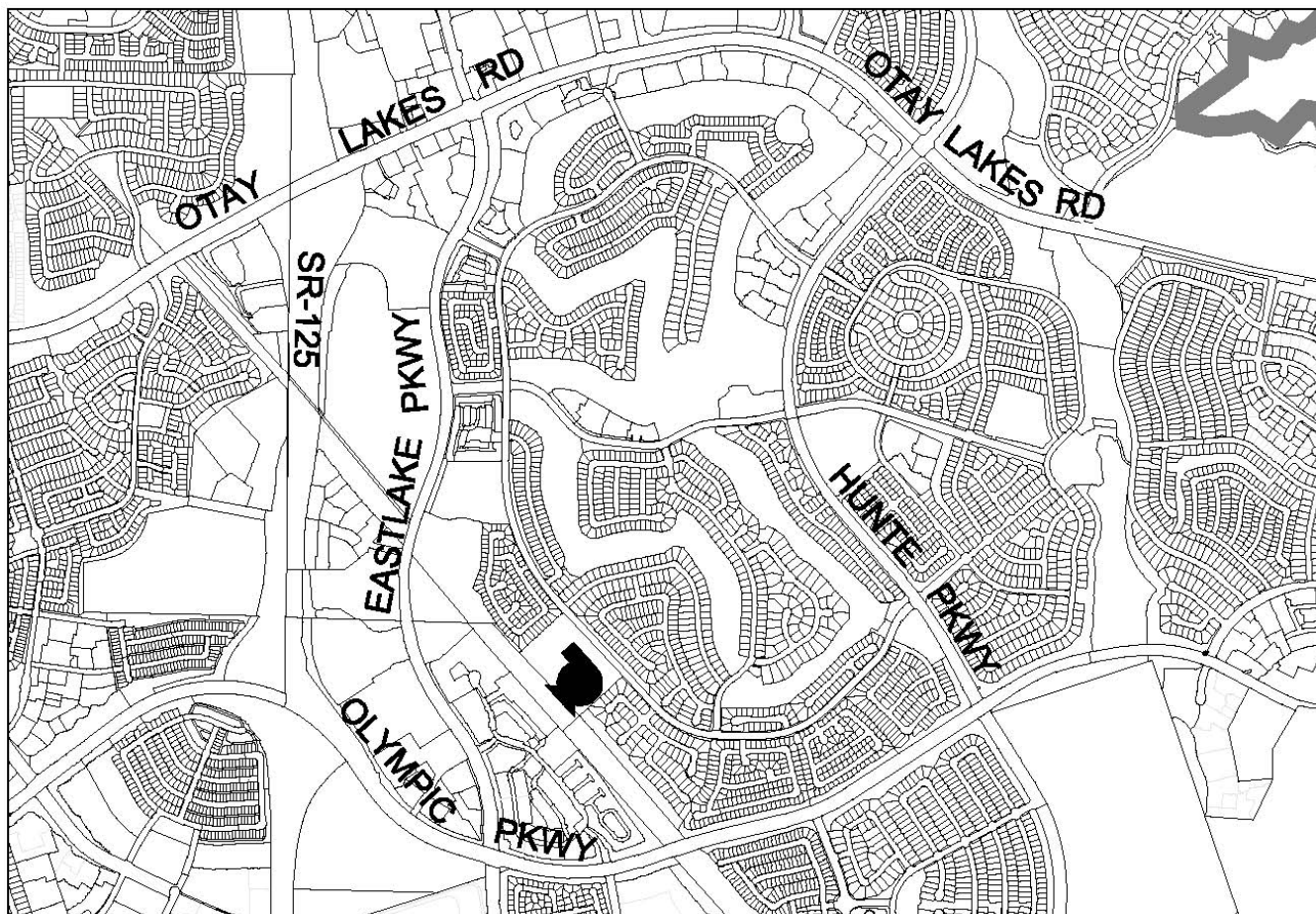
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2013	10/1/2013	\$10
DESIGN:	10/1/2013	7/1/2015	\$25
CONSTRUCTION:	12/1/2013	6/1/2016	\$165

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: Jeff Marchioro

Date: 8/5/2014

PROJECT TITLE: Chlorine 1-ton Cyliner Emergency Close Valve		CIP Number: R2113	
PROJECT MANAGER: Gary Stalker		DIRECTOR DIVISION:	3
ORIGINAL APPROVED DATE:		I.D. LOCATION:	20
RELATED CIP PROJECTS:		PRIORITY:	1
		BUDGET AMOUNT:	\$37,000

DESCRIPTION OF PROJECT:

 Install emergency close valves on all (4) connected 1-Ton Chlorine Cylinder shutoff valves.
 Shutoff condition to include; Any chlorine leak alarm, earthquake, fire, and manually from SCADA.

JUSTIFICATION OF PROJECT:

 Enhance public safety and control release of chlorine gas into the atmosphere.

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	2015	2016	2017	2018	2019	2020	Total
\$0	\$37	\$0	\$0	\$0	\$0	\$0	\$37

CIP Number: R2113

PROJECT SCHEDULE:

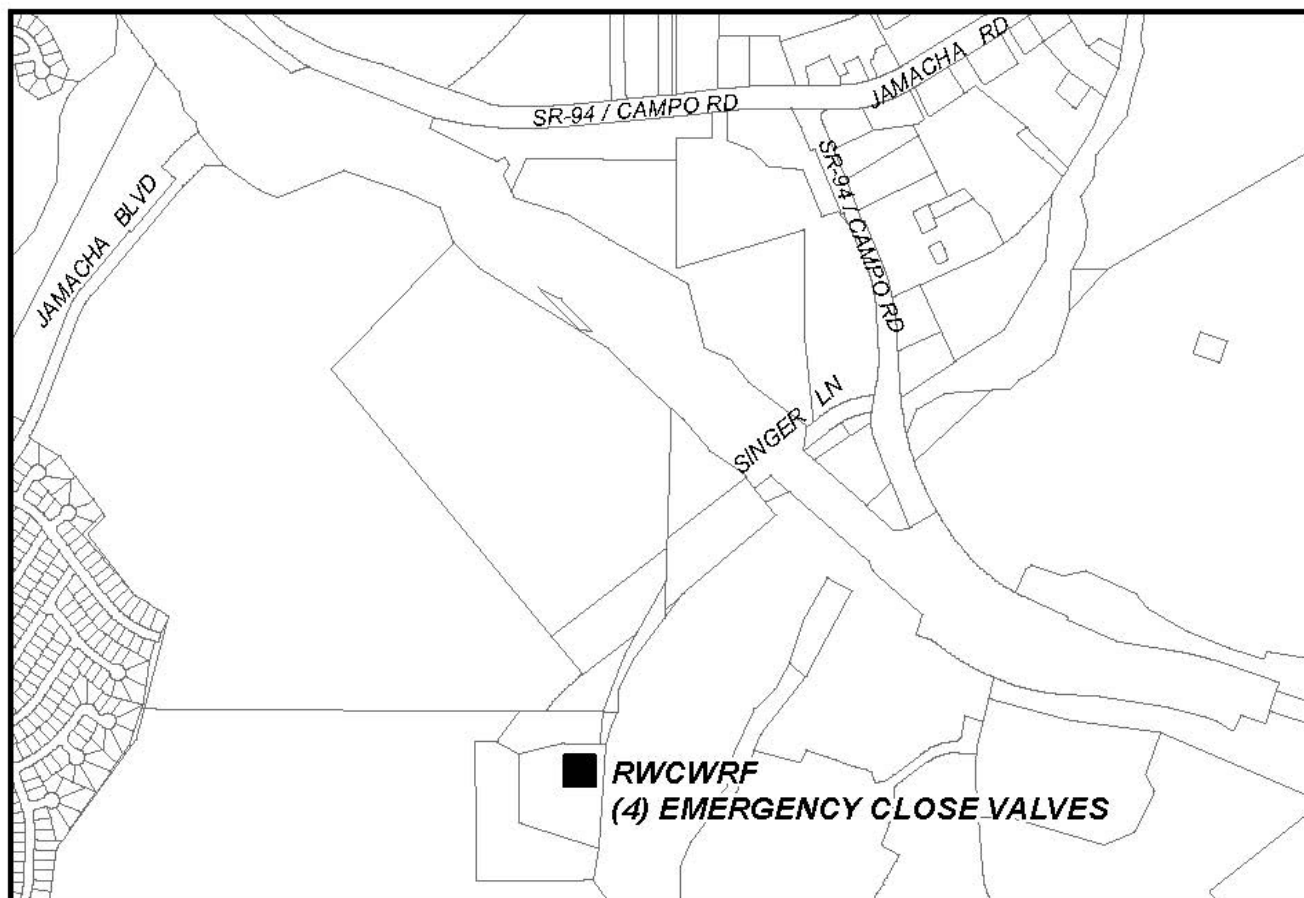
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2014	12/31/2015	\$37

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 5/2/2014

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: 20					
RELATED CIP PROJECTS:		PRIORITY: 1					
DESCRIPTION OF PROJECT: Replace large recycle pumps.		BUDGET AMOUNT: \$100,000					
JUSTIFICATION OF PROJECT: Pumps are old and corroded and have lost efficiency.							
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	2015	2016	2017	2018	2019	2020	Total
\$0	\$100	\$0	\$0	\$0	\$0	\$0	\$100

CIP Number: R2114

PROJECT SCHEDULE:

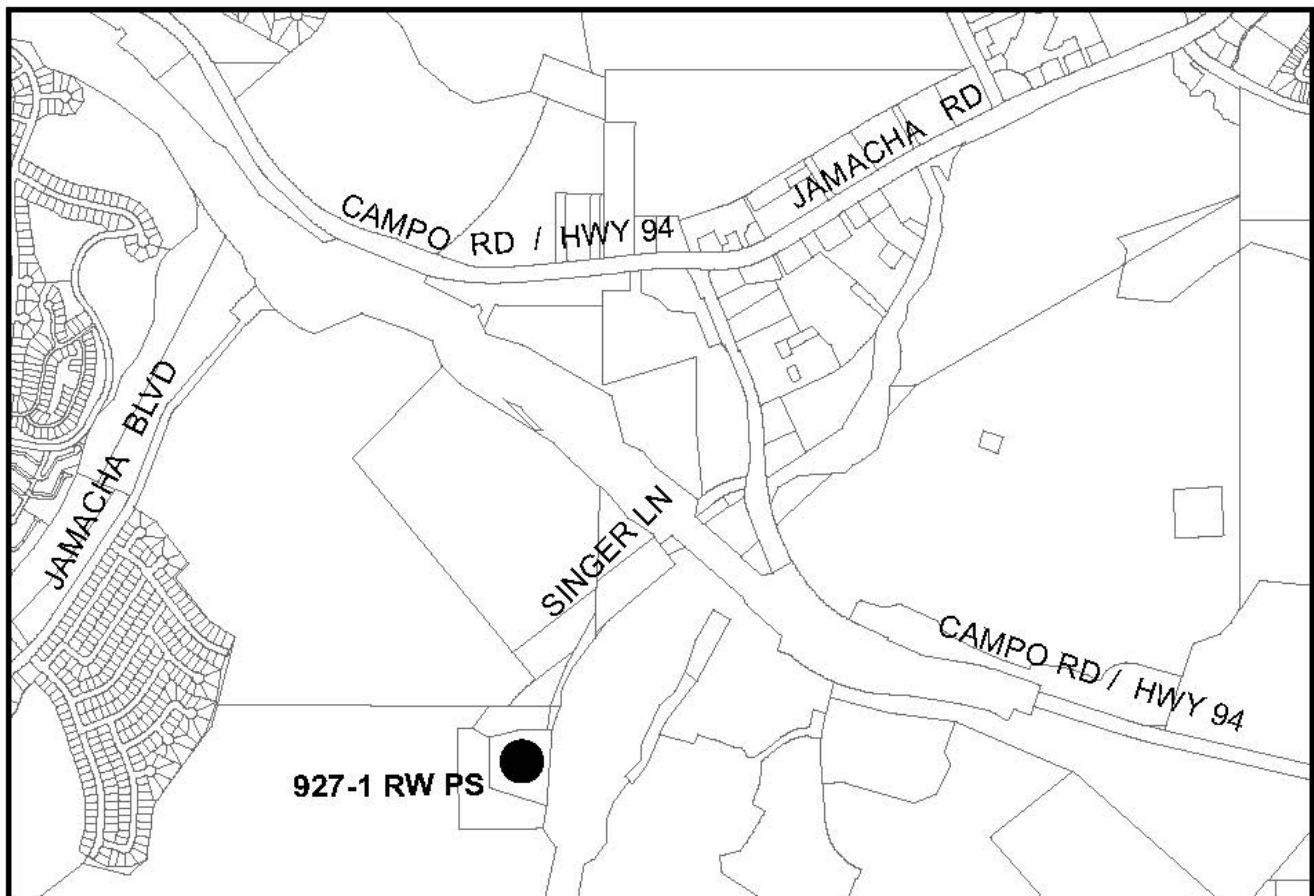
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2014	12/31/2015	\$100

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 5/2/2014

PROJECT TITLE: RWCWRF Contact Basin Expansion Project		CIP Number: R2117	
		DIRECTOR DIVISION:	3
PROJECT MANAGER:	Steve Beppler	I.D. LOCATION:	20
ORIGINAL APPROVED DATE:		PRIORITY:	2
RELATED CIP PROJECTS:		BUDGET AMOUNT:	\$1,500,000

DESCRIPTION OF PROJECT:

 The RWCWRF needs a larger chlorine contact basin to meet San Diego RWQCB requirement for chlorine contact time for the recycled water produced from this facility.

JUSTIFICATION OF PROJECT:

 The District currently uses the existing 14-Inch CML Forcemain 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 at the RWCWRF will extend the useful life of the forcemain.

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	2015	2016	2017	2018	2019	2020	Total
\$0	\$20	\$100	\$690	\$690	\$0	\$0	\$1,500

CIP Number: R2117

PROJECT SCHEDULE:

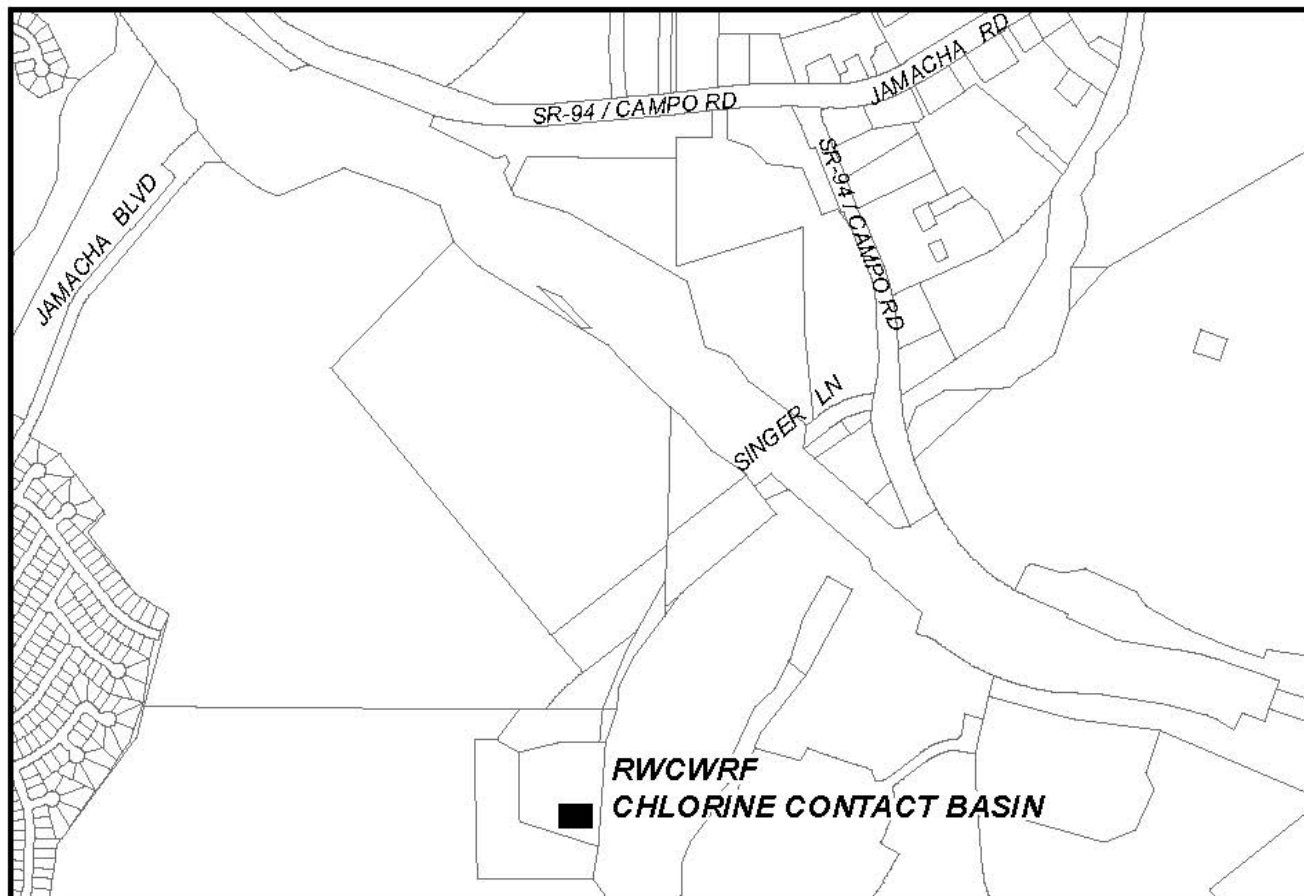
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	12/31/2015	\$20
DESIGN:	1/1/2016	12/31/2016	\$100
CONSTRUCTION:	1/1/2017	6/30/2018	\$1,380

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: Donald Bienvenue

Date: 4/17/2014

PROJECT TITLE: RWCWRF Sludge Handling System				CIP Number: S2043			
				DIRECTOR DIVISION: 3			
PROJECT MANAGER:		Steve 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	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
\$50	\$5	\$5	\$5	\$5	\$5	\$1,425	\$1,500

CIP Number: S2043

PROJECT SCHEDULE:

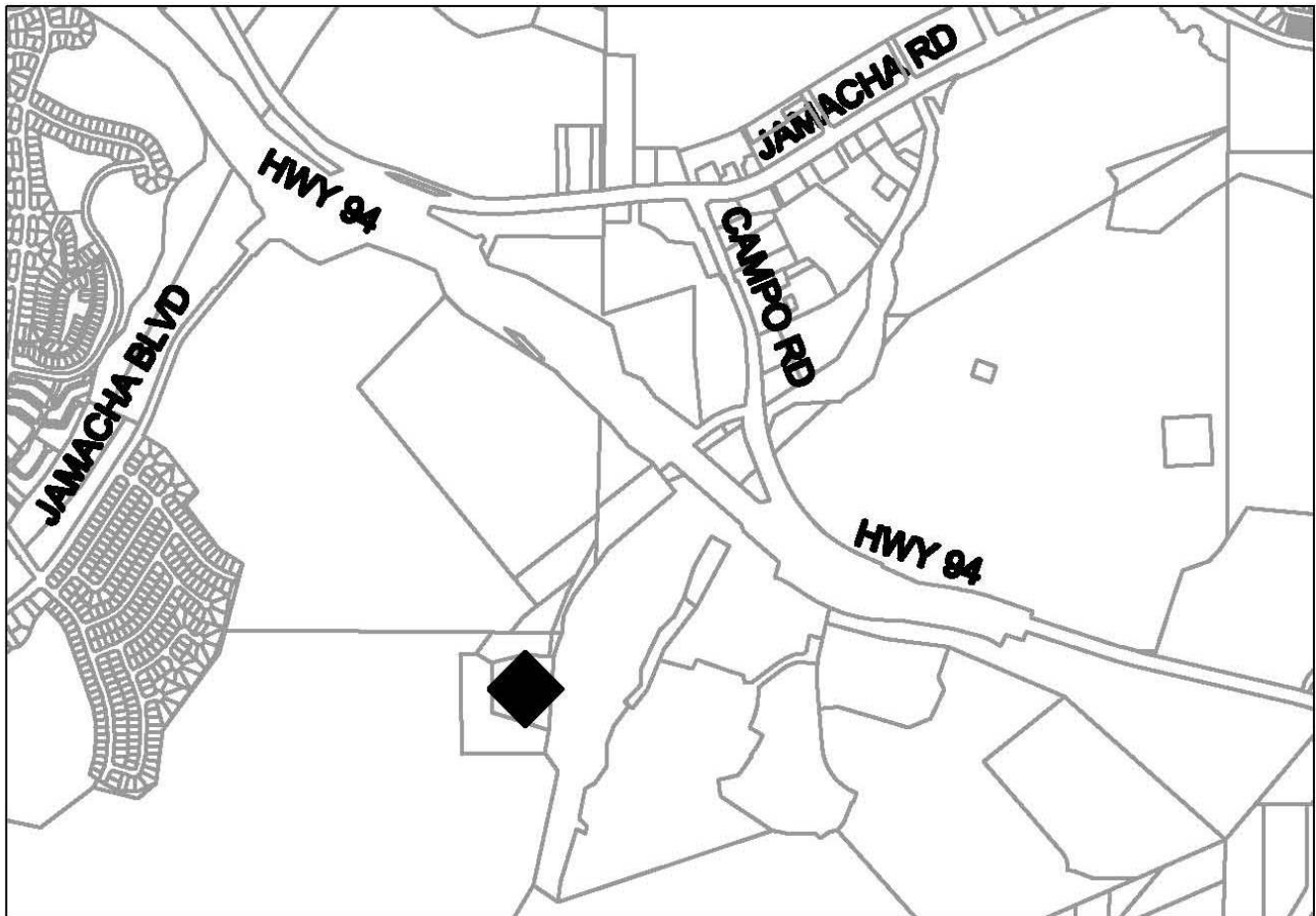
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2013		\$75
DESIGN:	7/1/2019	6/30/2020	\$200
CONSTRUCTION:	7/1/2020	6/30/2021	\$1,225

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: Bob Kennedy

Date: 5/2/2014

PROJECT TITLE: APCD Engine Replacements and Retrofits				CIP Number: P2366			
				DIRECTOR DIVISION: 0			
PROJECT MANAGER:		Doug Rahders		I.D. LOCATION:		District Wide	
ORIGINAL APPROVED DATE:		12/6/2000		PRIORITY:		1	
RELATED CIP PROJECTS:				BUDGET AMOUNT: \$3,488,000			

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

 The Otay Water District is required to replace and/or retrofit its engines to meet current APCD requirements including the Air Toxics Control Measures, and to be consistent with the intended operation of the engines to meet system demands. The Otay Water District also needs to replace, re-power, and/or retrofit the heavy vehicle diesel fleet to meet future emissions requirements.

COMMENTS:

 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	2015	2016	2017	2018	2019	2020	Total
\$2,530	\$5	\$300	\$300	\$157	\$118	\$78	\$3,488

CIP Number: P2366

PROJECT SCHEDULE:

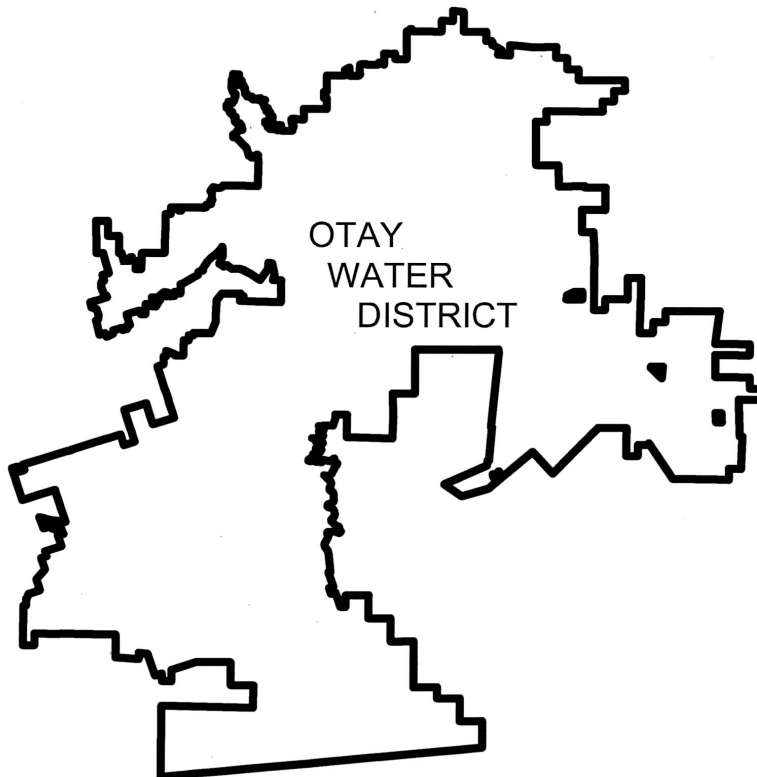
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	12/1/2000	6/1/2001	\$113
DESIGN:	7/1/2001	6/1/2010	\$312
CONSTRUCTION:	7/1/2010	6/1/2020	\$3,063

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 3/24/2014

PROJECT TITLE: Safety and Security Improvements				CIP Number: P2382			
				DIRECTOR DIVISION:		0	
PROJECT MANAGER:		Oscar Ramirez		I.D. LOCATION:		District Wide	
ORIGINAL APPROVED DATE:		6/5/2002		PRIORITY:		1	
RELATED CIP PROJECTS:				BUDGET AMOUNT:		\$3,397,000	

DESCRIPTION OF PROJECT:

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

1.- Operations bldg - installation of: gate, RFID and FOB access to separate and secure Ops/Shop areas from warehouse \$50K. Installation of North side perimeter fencing to prevent intrusion access from neighboring building \$20K.

2.- Installation of additional knox boxes for PD/Security use at Admin, Ops, TP, Regulatory, 680 Recycle PS, 30M and Central facilities \$7K.

3.- Installation of RFID and FOB at 680 Recycle PS \$20K.

4.- Installation of panic buttons at Ops, TP, Regulatory, 30M and Central facilities \$5K

5.- Installation of protective gate at shops fuel truck area \$10K

6.- Installation of additional outer lighting and perimeter beams at shops yard area \$7K

7.- Upgrading existing analog cameras to digital + add 1 MVR \$50K

8.- Installation of protective bollards at Ops main entrance area \$3K

9.- Wireless motion detection system for Admin, Warehouse, Op's and Garage Shop \$20K.

JUSTIFICATION OF PROJECT:

Although existing facilities are relatively safe and secure, the Federal government has recommended that security to water systems be improved. The project is required to fund needed changes and improvements to District facilities. General Fund at 40% expansion and 60% replacement.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
\$2,000	\$192	\$200	\$200	\$200	\$230	\$200	\$3,222

CIP Number: P2382

PROJECT SCHEDULE:

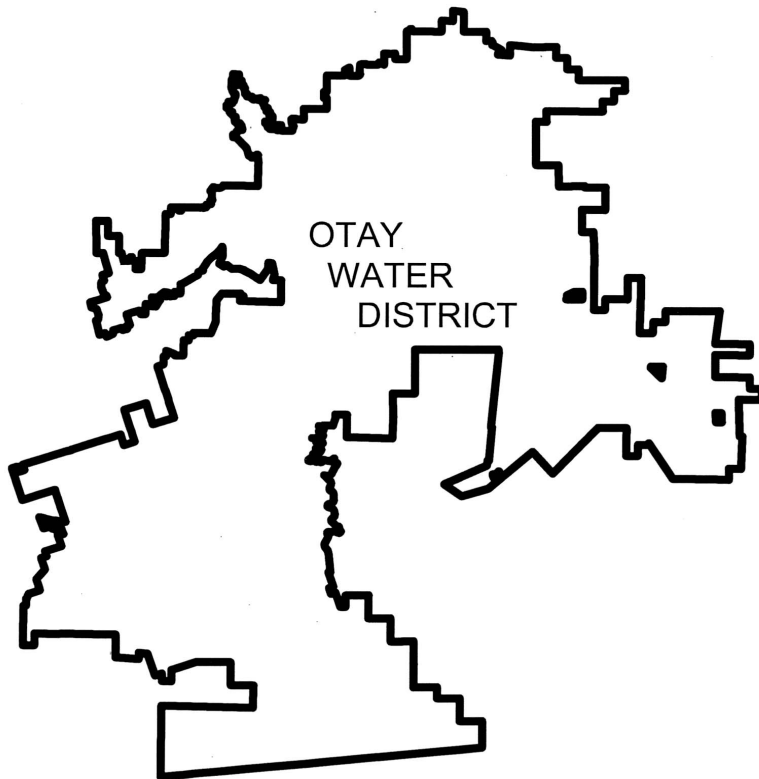
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2002	6/30/2019	\$62
DESIGN:	9/1/2003	12/31/2019	\$231
CONSTRUCTION:	1/1/2004	6/30/2022	\$3,104

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 5/2/2014

PROJECT TITLE: I-905 Utility Relocations				CIP Number: P2440																											
PROJECT MANAGER: Jeff Marchioro				DIRECTOR DIVISION: 2																											
ORIGINAL APPROVED DATE: 6/2/2004				I.D. LOCATION: 7																											
RELATED CIP PROJECTS:				PRIORITY: 1																											
				BUDGET AMOUNT: \$1,600,000																											
DESCRIPTION OF PROJECT: This project provides funding for all utility relocations required due to construction of I-905 on the Otay Mesa. Pipeline relocations vary from 12-inch to 24-inch. Five locations have been identified where existing facilities are in conflict with I-905.																															
JUSTIFICATION OF PROJECT: Caltrans is constructing I-905, which has resulted in utility conflicts with Otay pipelines. In all cases, the Otay Water District has prior and superior rights. The facilities must be relocated prior to Caltrans construction of I-905. The cost of the facilities relocations that have prior rights will be reimbursed by Caltrans. Utility agreements were developed by Caltrans for each of the required facility relocations. Any Betterment work such as pipeline size increase and/or additional length are at the Otay Water District's expense.																															
COMMENTS:																															
FUND DETAILS: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">FUNDING SOURCE:</th> <th>Expansion</th> <th>Betterment</th> <th>Replacement</th> <th>New Water Supply</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Replacement</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> <tr> <td>TOTAL:</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> </tbody> </table>								FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total	Replacement	0 %	0 %	100 %	0 %	100 %	TOTAL:	0 %	0 %	100 %	0 %	100 %						
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total																										
Replacement	0 %	0 %	100 %	0 %	100 %																										
TOTAL:	0 %	0 %	100 %	0 %	100 %																										
EXPENDITURE SCHEDULE (X \$1,000): <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>PRIOR YEARS:</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> </tr> <tr> <th>TOTAL</th> <th>2015</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>\$1,583</td> <td>\$5</td> <td>\$12</td> <td>\$0</td> <td>\$0</td> <td>\$0</td> <td>\$0</td> <td>\$1,600</td> </tr> </tbody> </table>								PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY	TOTAL	2015	2016	2017	2018	2019	2020	Total	\$1,583	\$5	\$12	\$0	\$0	\$0	\$0	\$1,600
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY																								
TOTAL	2015	2016	2017	2018	2019	2020	Total																								
\$1,583	\$5	\$12	\$0	\$0	\$0	\$0	\$1,600																								

CIP Number: P2440

PROJECT SCHEDULE:

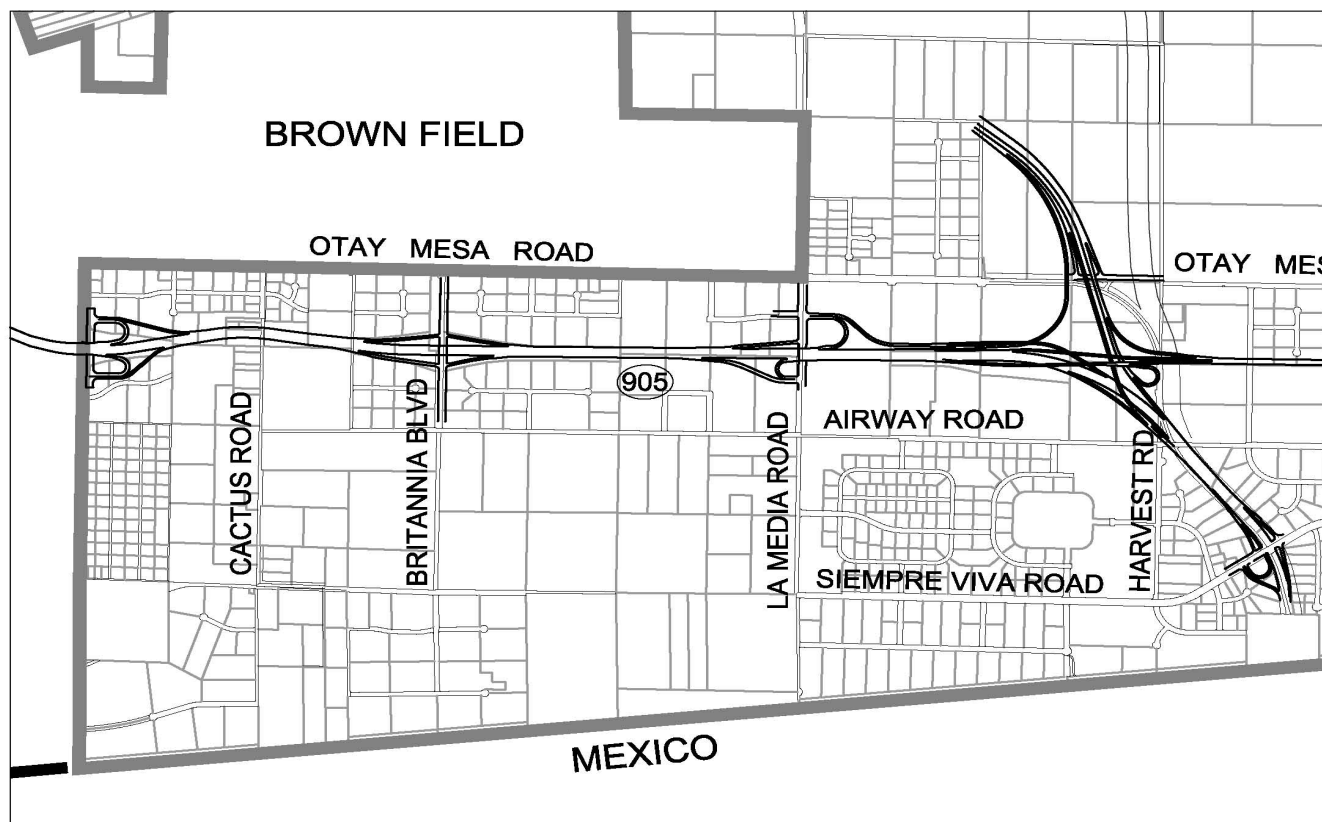
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2004	9/1/2006	\$121
DESIGN:	10/1/2003	9/1/2006	\$332
CONSTRUCTION:	10/1/2006	6/30/2016	\$1,147

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 10



Submitted By: Bob Kennedy

Date: 5/2/2014

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

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

 Caltrans will construct SR-11, which will result in utility conflicts with existing Otay Water District facilities at various locations. In most cases, the Otay Water District does have prior and superior rights. The facilities must be relocated prior to Caltrans construction of SR-11. The cost of the facilities relocations that have prior rights will be reimbursed by Caltrans.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
\$259	\$600	\$600	\$200	\$200	\$200	\$191	\$2,250

CIP Number: P2453

PROJECT SCHEDULE:

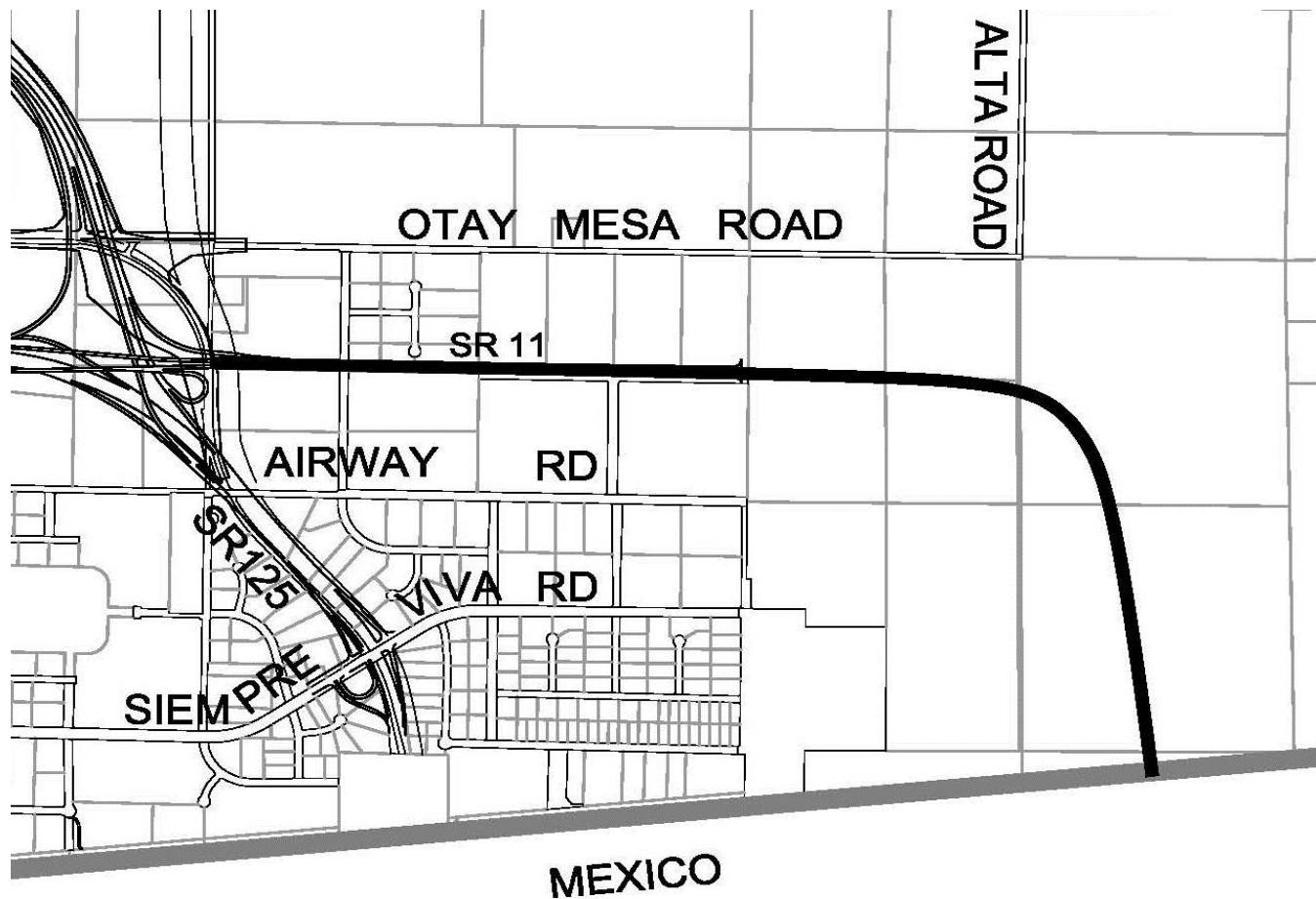
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2006	6/1/2016	\$20
DESIGN:	7/1/2009	6/30/2015	\$350
CONSTRUCTION:	1/8/2014	6/30/2020	\$1,880

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: Jeff Marchioro

Date: 4/30/2014

PROJECT TITLE: Res - 624-1 Reservoir Cover Replacement				CIP Number: P2477			
				DIRECTOR DIVISION:		1	
PROJECT MANAGER:		Jeff Marchioro		I.D. LOCATION:		22	
ORIGINAL APPROVED DATE:		6/23/2008		PRIORITY:		2	
RELATED CIP PROJECTS:				BUDGET AMOUNT:		\$1,000,000	

DESCRIPTION OF PROJECT:

 This project is for the replacement of the existing membrane floating cover with new membrane material system.

JUSTIFICATION OF PROJECT:

 The existing floating membrane cover had reached the end of its useful life and required replacement to meet regulatory requirements.

COMMENTS:

 This project is complete except for a two year warranty period. Project will be suspended until the project has a dive inspection at the completion of the warranty period.

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	2015	2016	2017	2018	2019	2020	Total
	\$950	\$5	\$45	\$0	\$0	\$0	\$1,000

CIP Number: P2477

PROJECT SCHEDULE:

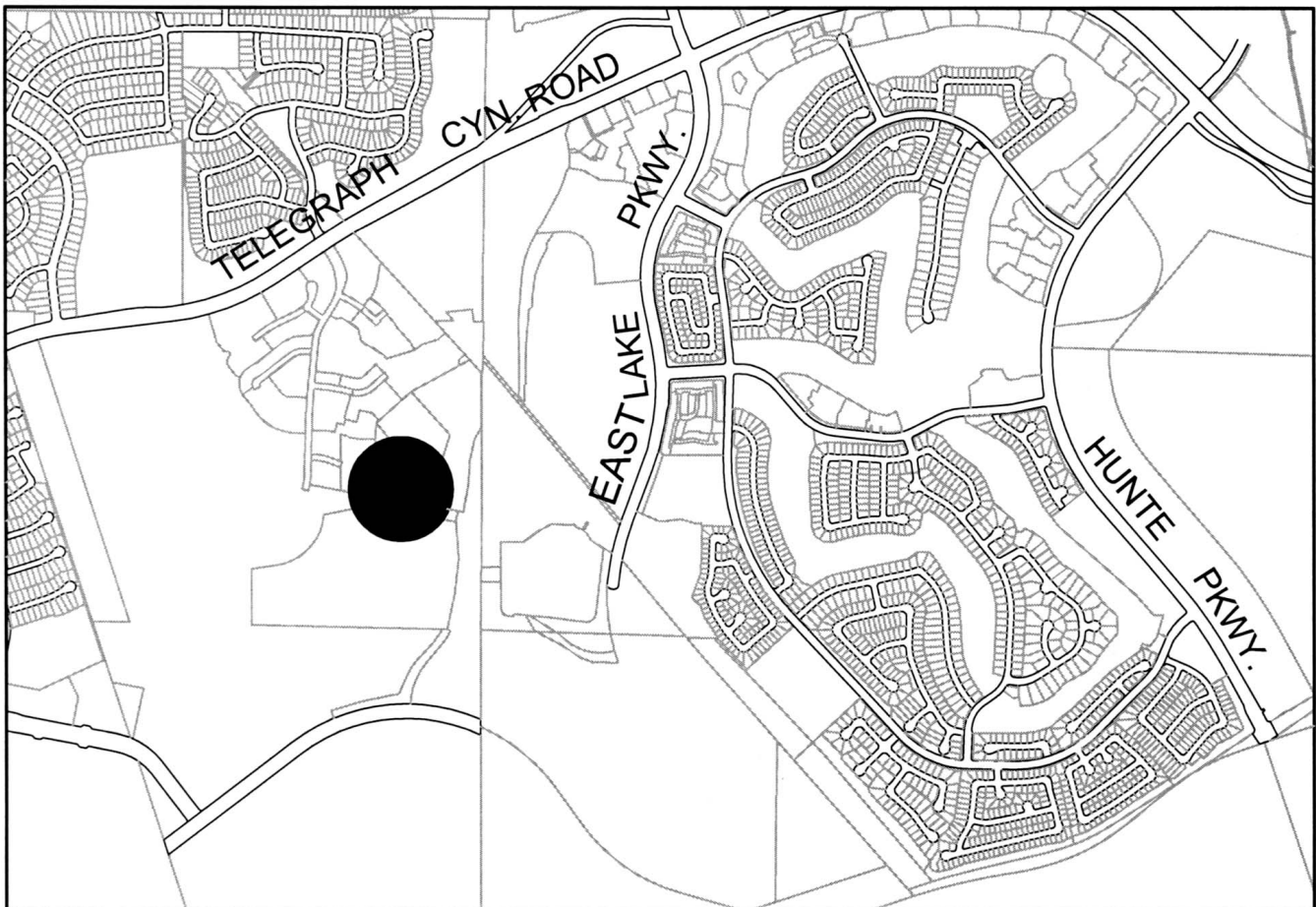
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2008	2/1/2012	\$8
DESIGN:	2/1/2012	10/1/2012	\$110
CONSTRUCTION:	10/1/2012	10/1/2015	\$882

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 114



Submitted By: Bob Kennedy

Date: 5/2/2014

PROJECT TITLE: SCADA Communication System and Software Replacement				CIP Number: P2485			
				DIRECTOR DIVISION: 0			
PROJECT MANAGER: Gary Stalker				I.D. LOCATION: District Wide			
ORIGINAL APPROVED DATE: 5/21/2009				PRIORITY: 1			
RELATED CIP PROJECTS:				BUDGET AMOUNT: \$1,974,000			

DESCRIPTION OF PROJECT:

 This project will replace the existing SCADA software and radio communication system and install fuel level transmitters on all diesel fuel tanks. A Battery Backup System will be installed at remote SCADA/Radio sites without emergency power generators. Money budgeted in FY 2016 and 2017 are for the replacement of PLC's in the field that will no longer be supported at that time.

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
\$1,069	\$655	\$125	\$125	\$0	\$0	\$0	\$1,974

CIP Number: P2485

PROJECT SCHEDULE:

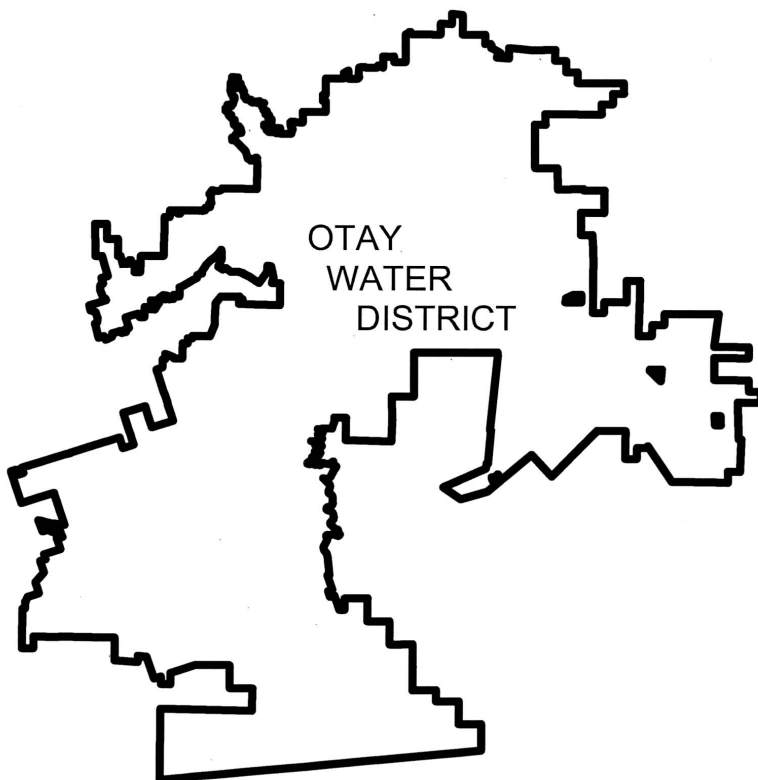
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2009	6/30/2017	\$1,974

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 5/2/2014

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

DESCRIPTION OF PROJECT:

 This project provides funding for the interior and exterior coating of the 624-2 Reservoir. In addition, an assessment of the facility will be accomplished to assure compliance to all applicable codes and OSHA standards.

JUSTIFICATION OF PROJECT:

 Based upon the most recent reservoir assessment report dated August 8, 2008 the 624-2 Reservoir interior coating is in relatively poor condition and is in need of replacement. Based on the FY 2012 Corrosion Report for Reservoir Coatings, the exterior is scheduled to be replaced in FY 2013.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
\$1,860	\$50	\$5	\$35	\$0	\$0	\$0	\$1,950

CIP Number: P2493

PROJECT SCHEDULE:

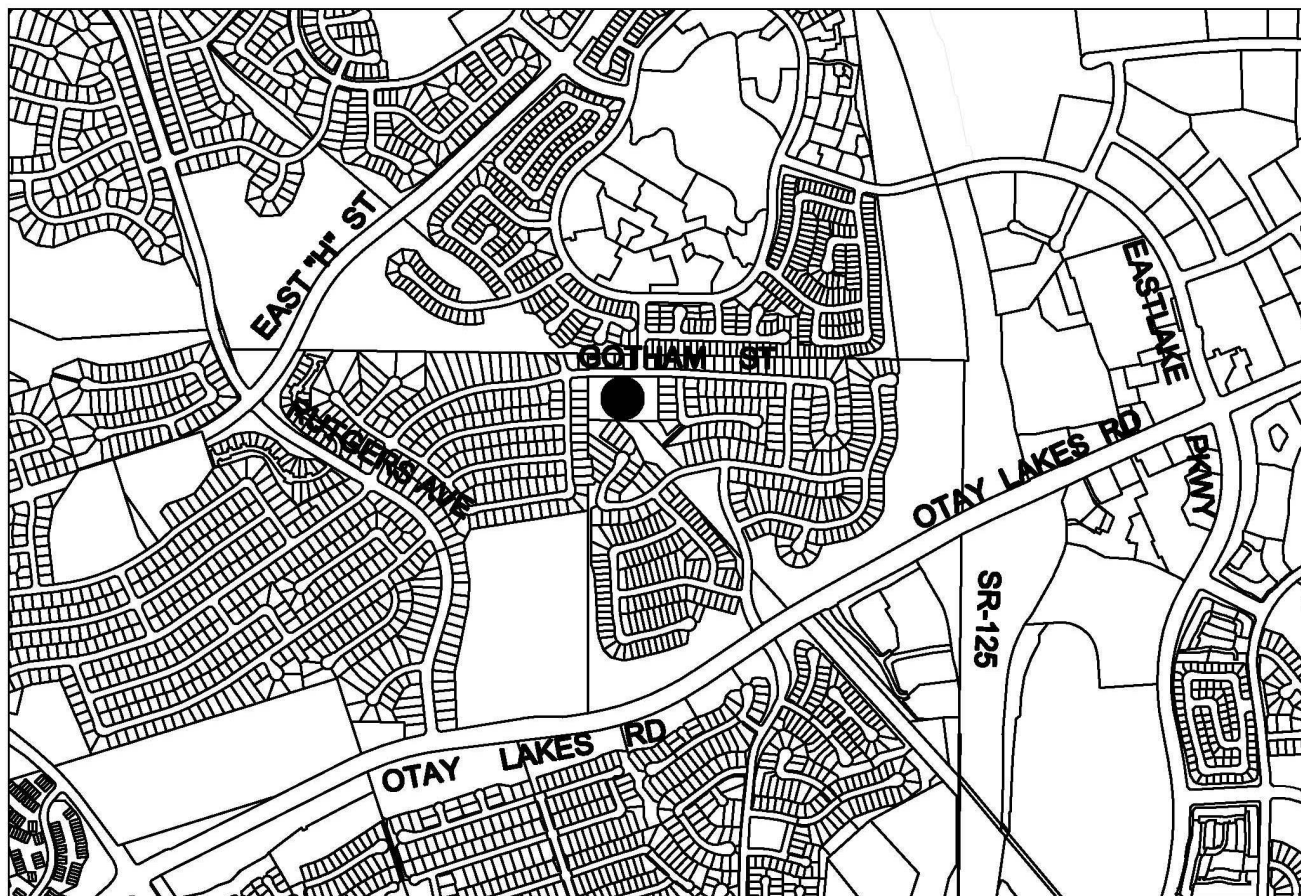
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2009	8/1/2010	\$5
DESIGN:	9/1/2010	12/31/2013	\$95
CONSTRUCTION:	1/8/2014	6/30/2017	\$1,850

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: Bob Kennedy

Date: 5/2/2014

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	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
\$842	\$90	\$18	\$0	\$0	\$0	\$0	\$950

CIP Number: P2494

PROJECT SCHEDULE:

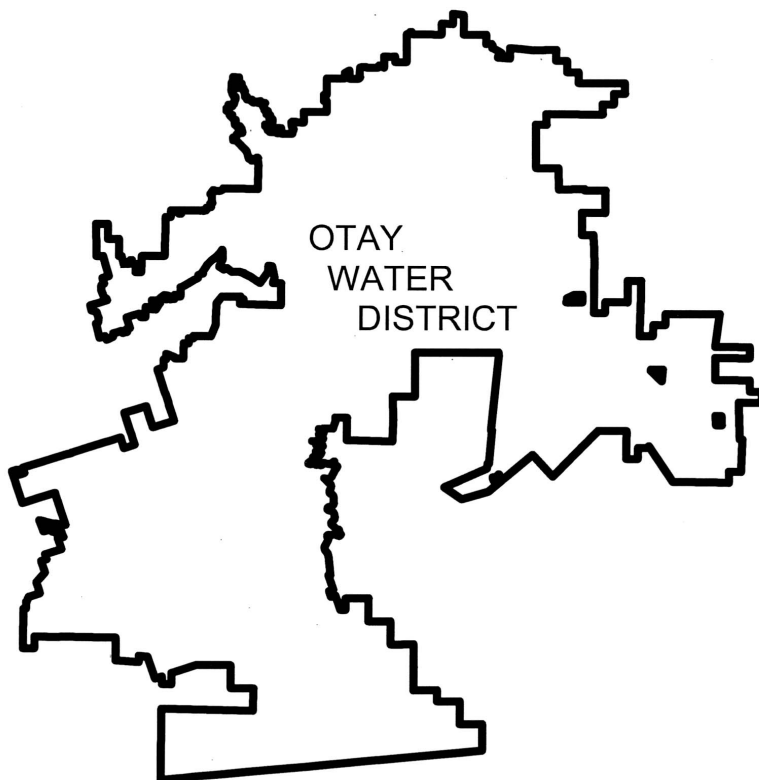
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2009	6/30/2016	\$950
DESIGN:			\$0
CONSTRUCTION:			\$0

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 3/27/2014

PROJECT TITLE: San Miguel Habitat Management/Mitigation Area				CIP Number: P2495			
				DIRECTOR DIVISION: 5			
PROJECT MANAGER:		Lisa Coburn-Boyd		I.D. LOCATION:		22	
ORIGINAL APPROVED DATE:		5/21/2009		PRIORITY:		1	
RELATED CIP PROJECTS:		P2494		BUDGET AMOUNT:		\$2,100,000	

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
\$930	\$180	\$190	\$200	\$200	\$200	\$200	\$2,100

CIP Number: P2495

PROJECT SCHEDULE:

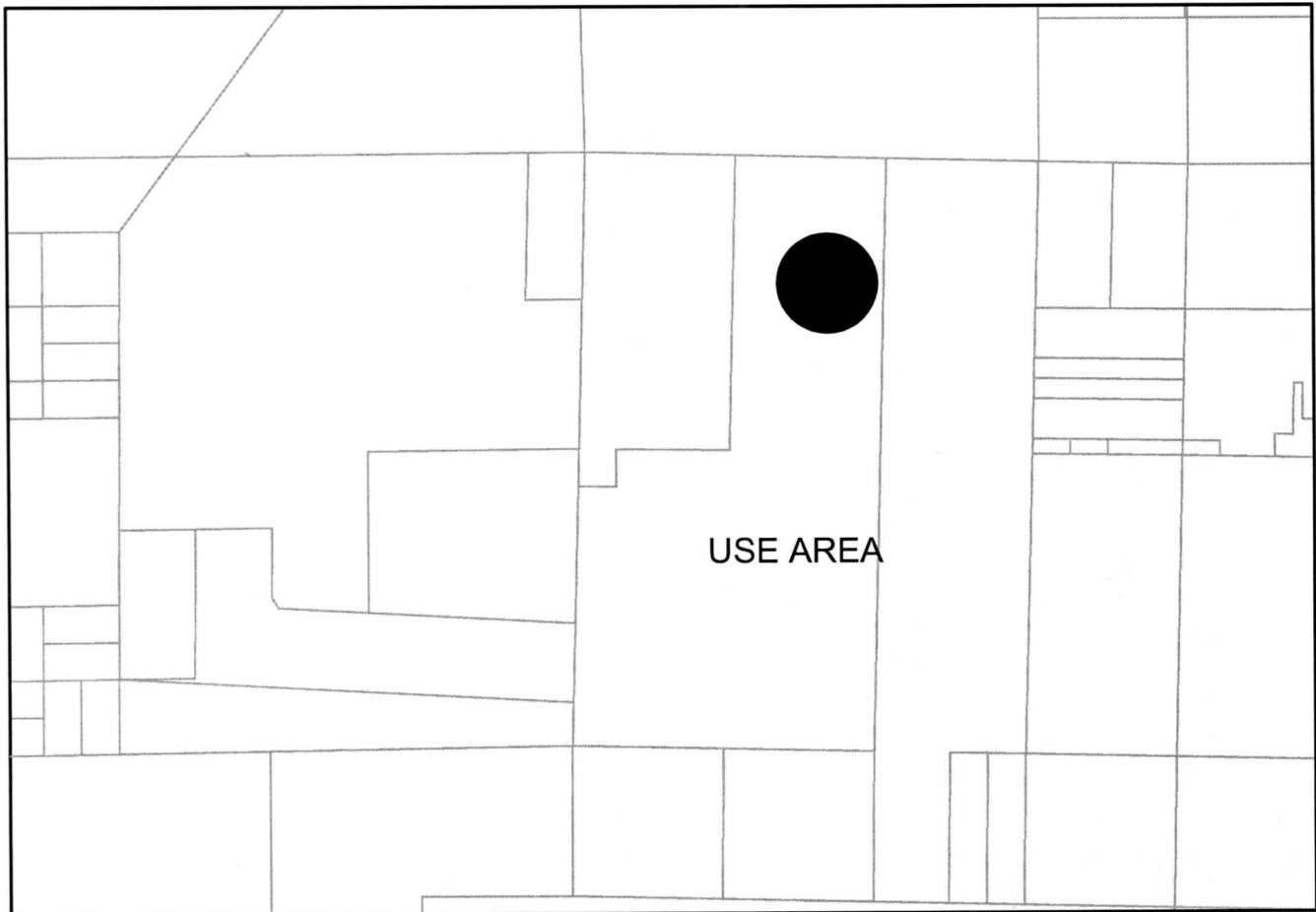
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2009	6/30/2020	\$2,100
DESIGN:			\$0
CONSTRUCTION:			\$0

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: Bob Kennedy

Date: 5/2/2014

PROJECT TITLE: Otay Lakes Road Utility Relocations				CIP Number: P2496			
				DIRECTOR DIVISION: 4			
PROJECT MANAGER: Dan Martin				I.D. LOCATION: 5			
ORIGINAL APPROVED DATE: 5/21/2009				PRIORITY: 1			
RELATED CIP PROJECTS:				BUDGET AMOUNT: \$325,000			

DESCRIPTION OF PROJECT:

 This project provides funding for all utility relocations required to accommodate the City of Chula Vista road improvement project located along Otay Lakes 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	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
\$300	\$5	\$20	\$0	\$0	\$0	\$0	\$325

CIP Number: P2496

PROJECT SCHEDULE:

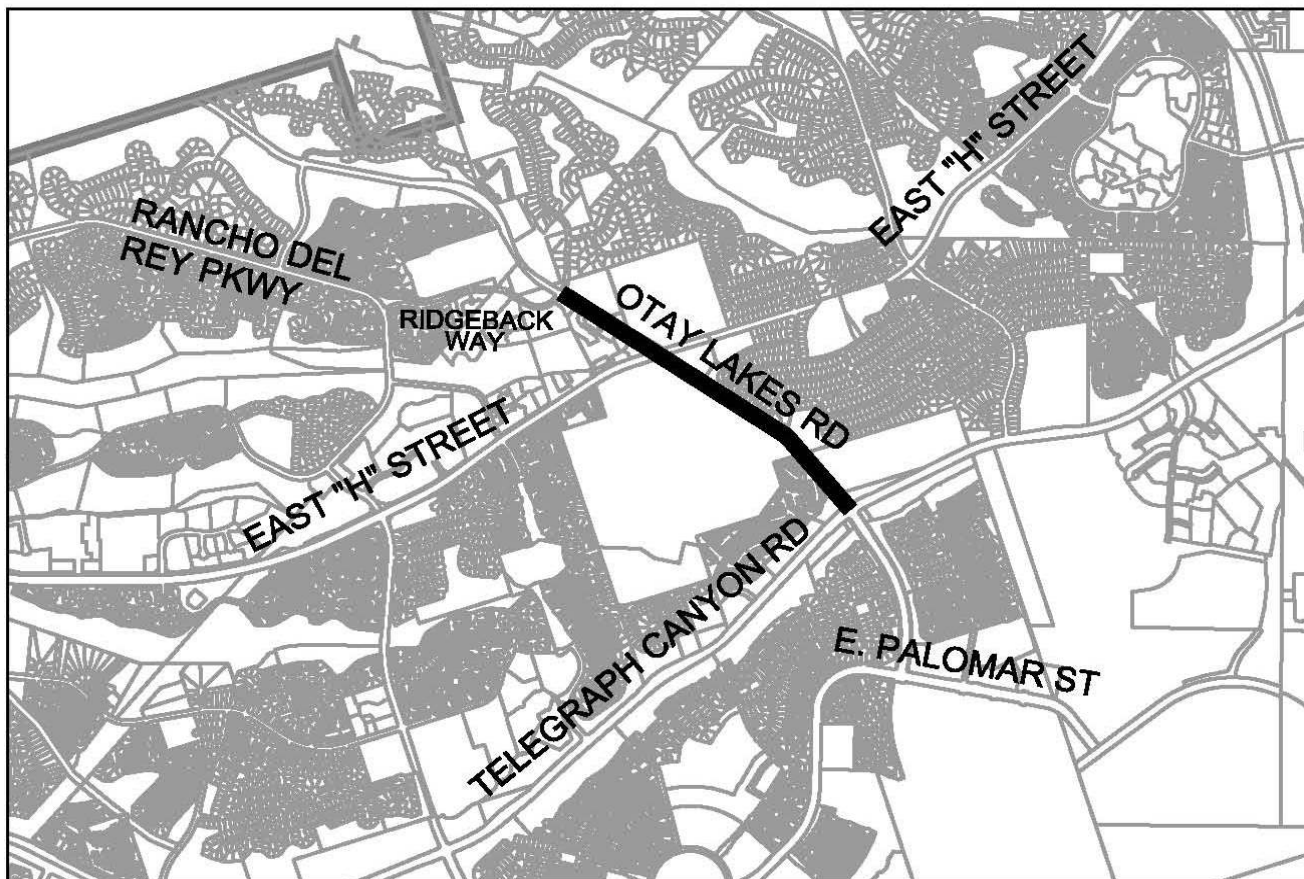
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2009	8/1/2009	\$4
DESIGN:	9/1/2009	12/1/2009	\$11
CONSTRUCTION:	1/1/2010	12/31/2015	\$310

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: Bob Kennedy

Date: 5/2/2014

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

DESCRIPTION OF PROJECT:

 Improve the existing access road from the proposed sheriff substation site to the Regulatory Reservoir Site.

JUSTIFICATION OF PROJECT:

 Improving the existing access road will provide for increased safety and all weather permanent access to the Regulatory Reservoir Site.

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Betterment ID 1	0 %	50 %	0 %	0 %	50 %
Replacement	0 %	0 %	50 %	0 %	50 %
TOTAL:	0 %	50 %	50 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
\$330	\$20	\$5	\$545	\$0	\$0	\$0	\$900

CIP Number: P2504

PROJECT SCHEDULE:

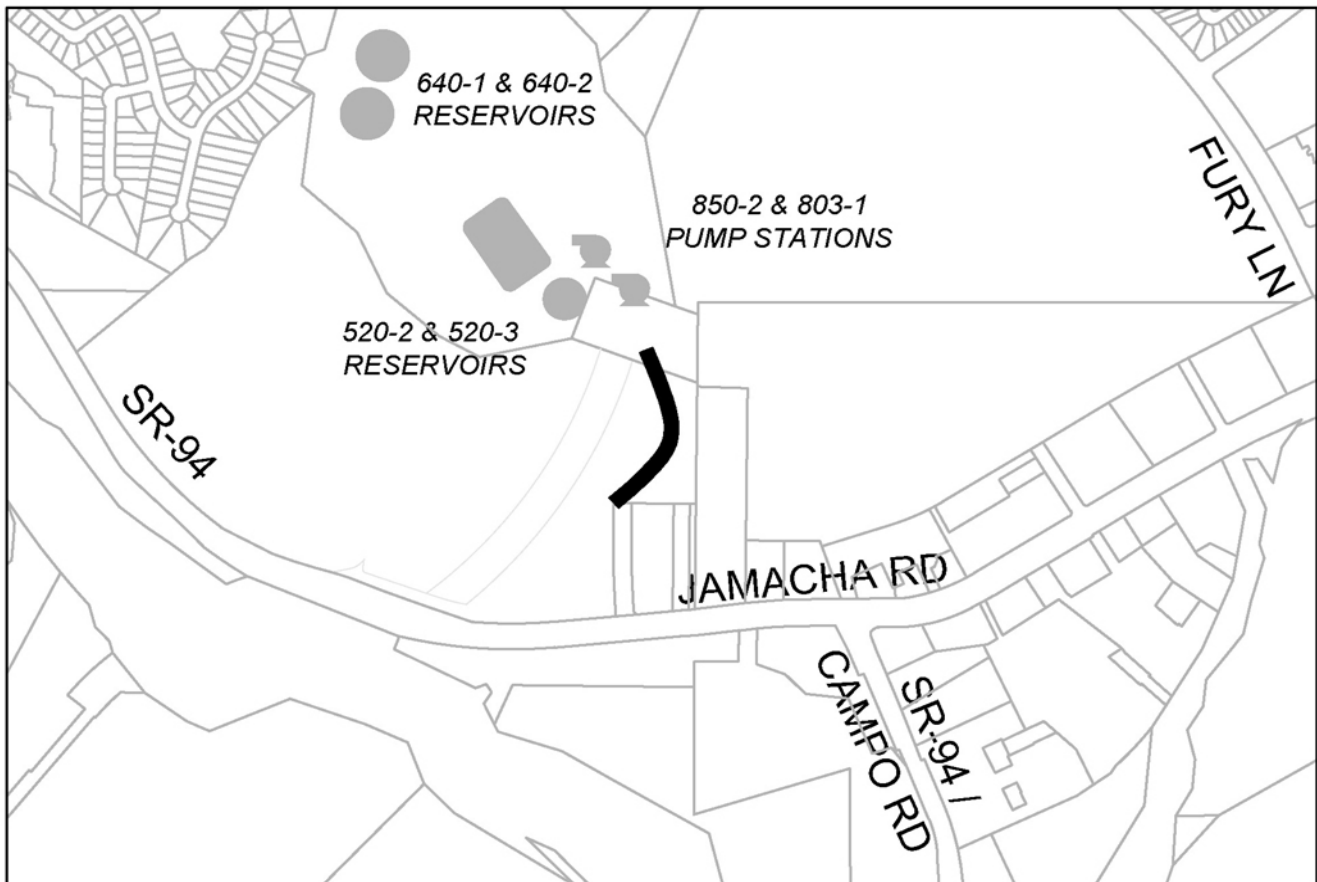
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2010	9/1/2010	\$85
DESIGN:	10/1/2010	12/31/2015	\$275
CONSTRUCTION:	1/1/2016	12/31/2016	\$540

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 4/10/2014

PROJECT TITLE: East Palomar Street Utility Relocation				CIP Number: P2507																											
				DIRECTOR DIVISION: 2																											
PROJECT MANAGER: Kevin Cameron				I.D. LOCATION: 10																											
ORIGINAL APPROVED DATE: 5/17/2010				PRIORITY: 2																											
RELATED CIP PROJECTS:				BUDGET AMOUNT: \$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.																															
COMMENTS:																															
FUND DETAILS: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">FUNDING SOURCE:</th> <th>Expansion</th> <th>Betterment</th> <th>Replacement</th> <th>New Water Supply</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Replacement</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> <tr> <td>TOTAL:</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> </tbody> </table>								FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total	Replacement	0 %	0 %	100 %	0 %	100 %	TOTAL:	0 %	0 %	100 %	0 %	100 %						
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total																										
Replacement	0 %	0 %	100 %	0 %	100 %																										
TOTAL:	0 %	0 %	100 %	0 %	100 %																										
EXPENDITURE SCHEDULE (X \$1,000): <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">PRIOR YEARS:</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> </tr> <tr> <th style="text-align: left;">TOTAL</th> <th>2015</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>\$630</td> <td>\$175</td> <td>\$135</td> <td>\$0</td> <td>\$0</td> <td>\$0</td> <td>\$0</td> <td>\$940</td> </tr> </tbody> </table>								PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY	TOTAL	2015	2016	2017	2018	2019	2020	Total	\$630	\$175	\$135	\$0	\$0	\$0	\$0	\$940
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY																								
TOTAL	2015	2016	2017	2018	2019	2020	Total																								
\$630	\$175	\$135	\$0	\$0	\$0	\$0	\$940																								

CIP Number: P2507

PROJECT SCHEDULE:

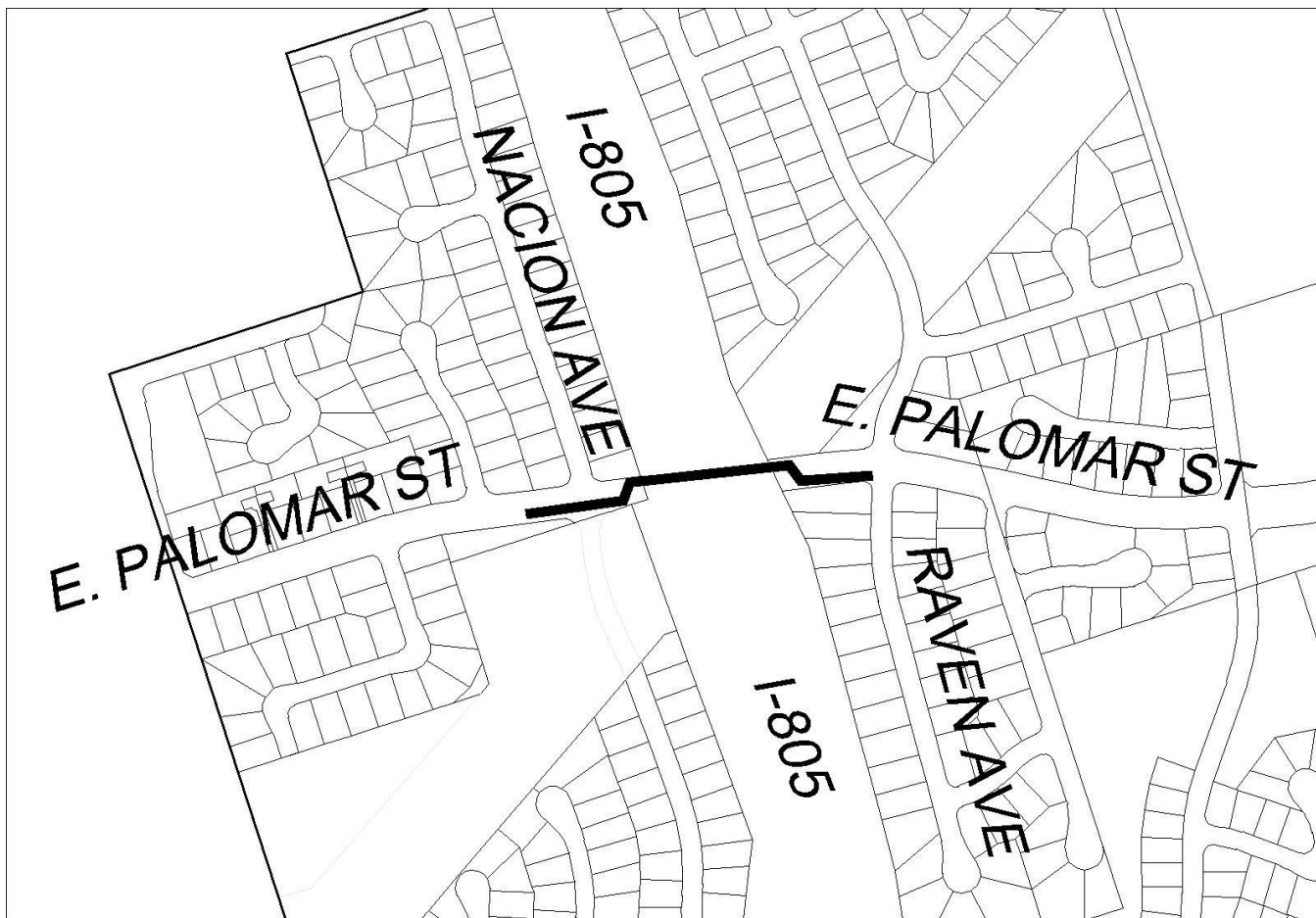
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2010	12/1/2010	\$5
DESIGN:	1/1/2011	12/1/2012	\$245
CONSTRUCTION:	1/1/2013	6/30/2016	\$650

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: Bob Kennedy

Date: 5/2/2014

PROJECT TITLE: Pipeline Cathodic Protection Replacement Program				CIP Number: P2508			
				DIRECTOR DIVISION: 0			
PROJECT MANAGER: Jeff Marchioro				I.D. LOCATION: District Wide			
ORIGINAL APPROVED DATE: 5/17/2010				PRIORITY: 1			
RELATED CIP PROJECTS:				BUDGET AMOUNT: \$300,000			

DESCRIPTION OF PROJECT:

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	2015	2016	2017	2018	2019	2020	Total
\$11	\$125	\$125	\$39	\$0	\$0	\$0	\$300

CIP Number: P2508

PROJECT SCHEDULE:

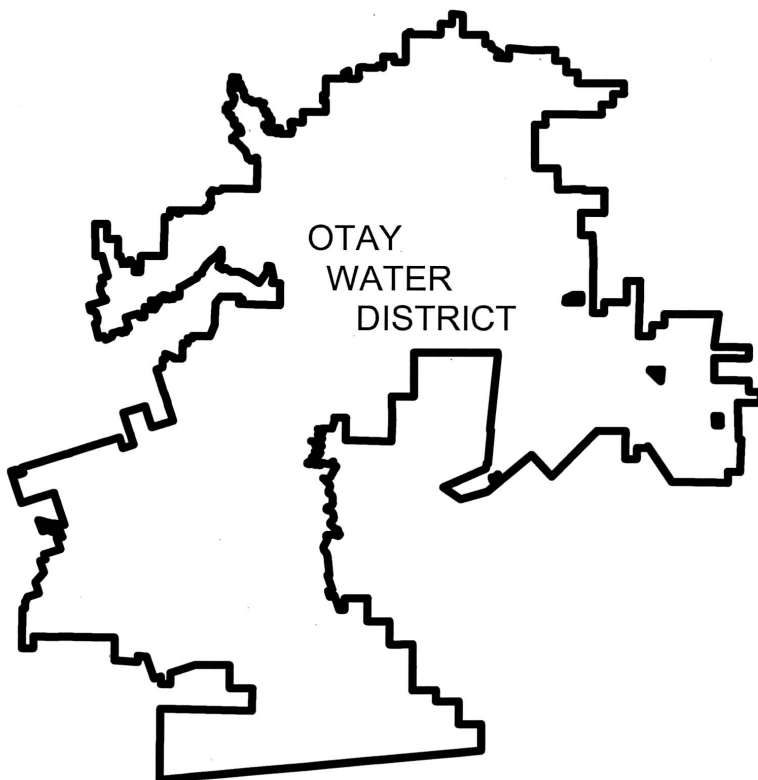
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2010		\$15
DESIGN:	7/1/2014	7/1/2015	\$45
CONSTRUCTION:	1/1/2015	12/31/2017	\$240

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: Jeff Marchioro

Date: 4/30/2014

PROJECT TITLE: 870-1 Reservoir Paving				CIP Number: P2515			
				DIRECTOR DIVISION: 2			
PROJECT MANAGER: Howard Almgren				I.D. LOCATION: 7			
ORIGINAL APPROVED DATE: 5/16/2011				PRIORITY: 2			
RELATED CIP PROJECTS:				BUDGET AMOUNT: \$550,000			

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
	\$90	\$415	\$45	\$0	\$0	\$0	\$550

CIP Number: P2515

PROJECT SCHEDULE:

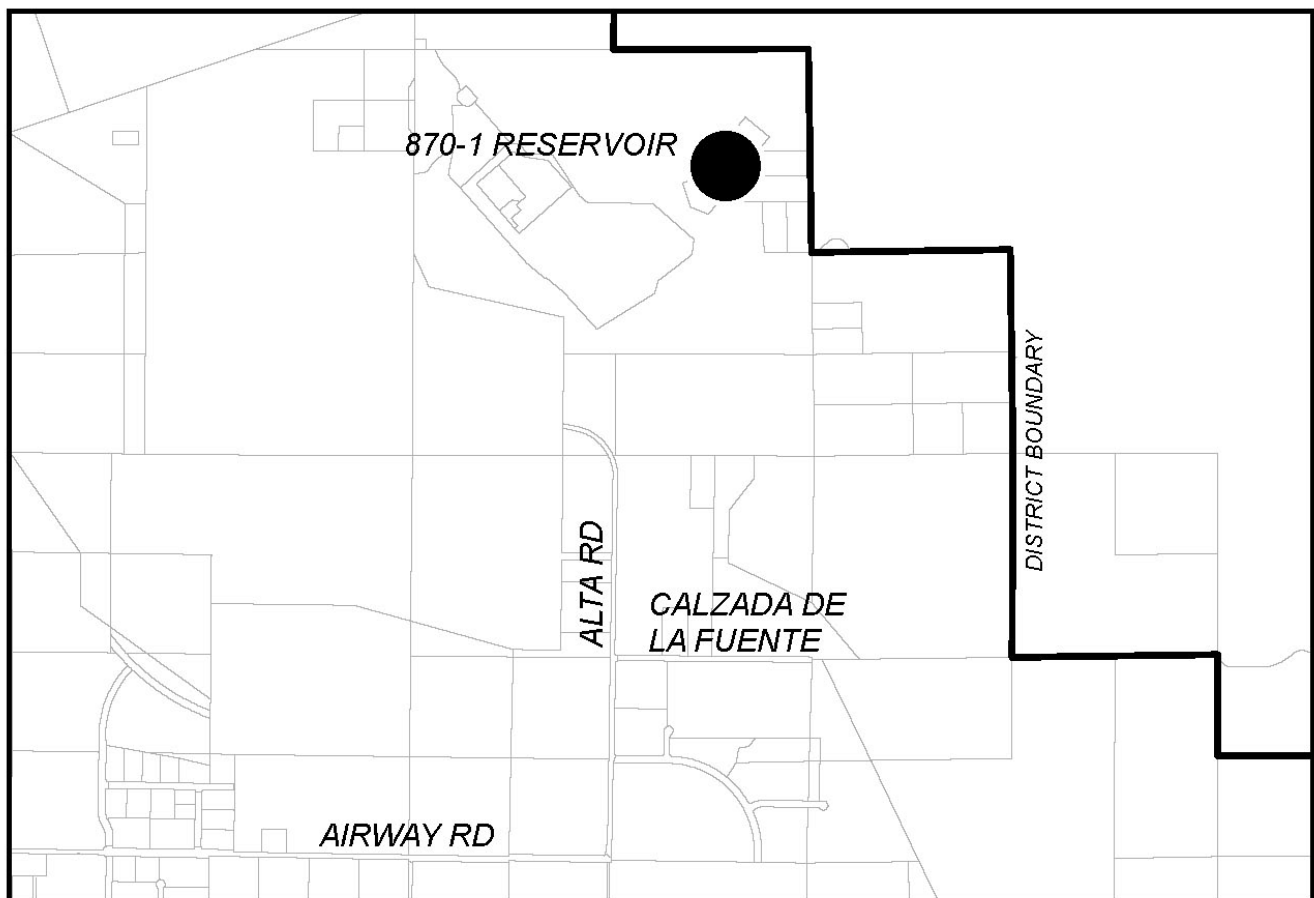
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2011	12/1/2011	\$50
DESIGN:	1/1/2012	12/31/2014	\$75
CONSTRUCTION:	1/1/2015	12/31/2015	\$425

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: Bob Kennedy

Date: 5/2/2014

PROJECT TITLE: 803-3 Reservoir Interior/Exterior Coating				CIP Number: P2518			
				DIRECTOR DIVISION: 5			
PROJECT MANAGER: Kevin Cameron				I.D. LOCATION: 20			
ORIGINAL APPROVED DATE: 5/15/2012				PRIORITY: 2			
RELATED CIP PROJECTS:				BUDGET AMOUNT: \$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 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	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
	\$635	\$30	\$35	\$0	\$0	\$0	\$700

CIP Number: P2518

PROJECT SCHEDULE:

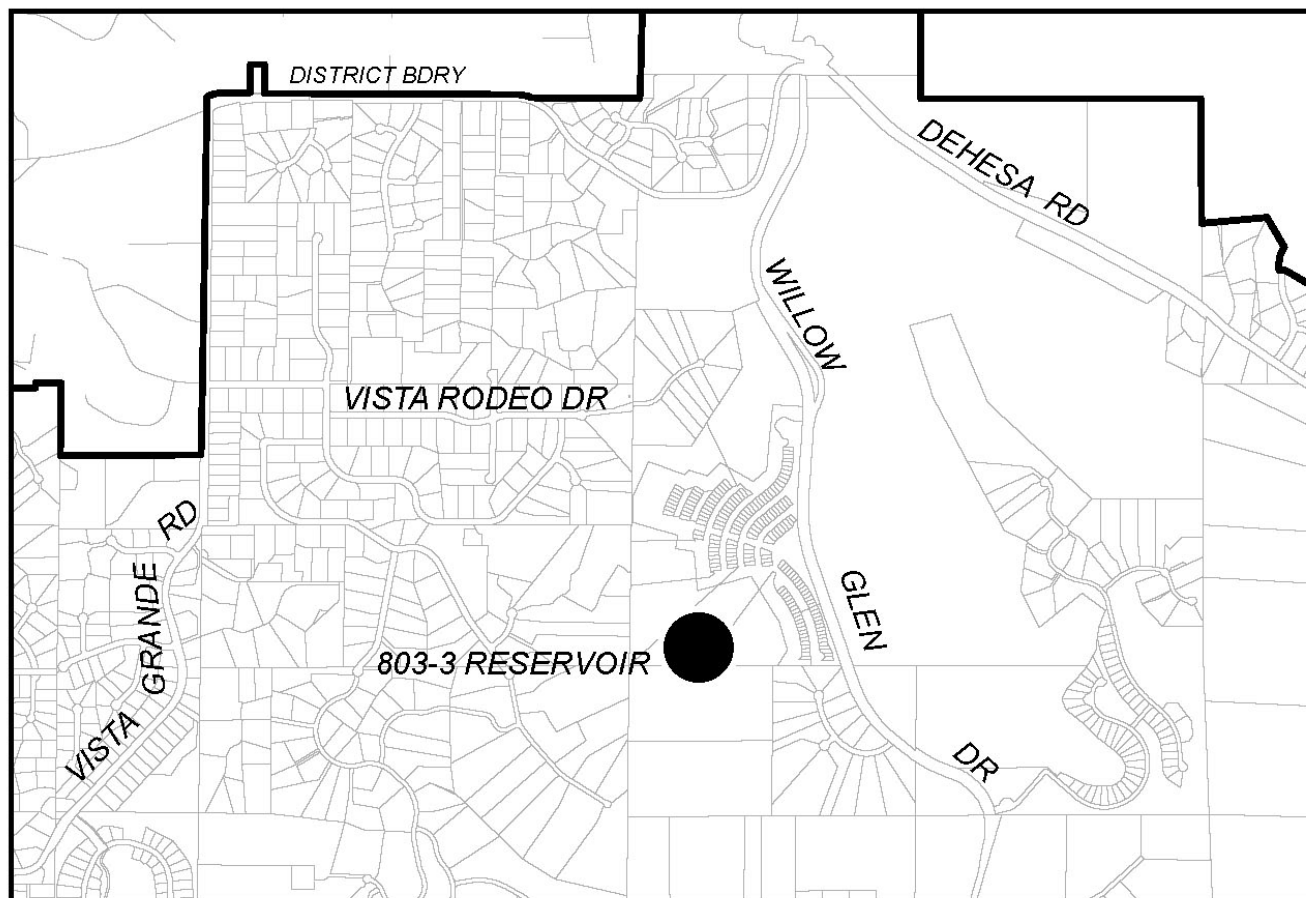
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2011	9/1/2012	\$10
DESIGN:	10/1/2012	12/1/2013	\$65
CONSTRUCTION:	1/1/2013	7/31/2016	\$625

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: Bob Kennedy

Date: 5/2/2014

PROJECT TITLE: 832-2 Reservoir Interior/Exterior Coating				CIP Number: P2519			
				DIRECTOR DIVISION:		5	
PROJECT MANAGER:		Kevin Cameron		I.D. LOCATION:		2	
ORIGINAL APPROVED DATE:		5/15/2012		PRIORITY:		2	
RELATED CIP PROJECTS:				BUDGET AMOUNT:		\$700,000	

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	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
	\$635	\$30	\$35	\$0	\$0	\$0	\$700

CIP Number: P2519

PROJECT SCHEDULE:

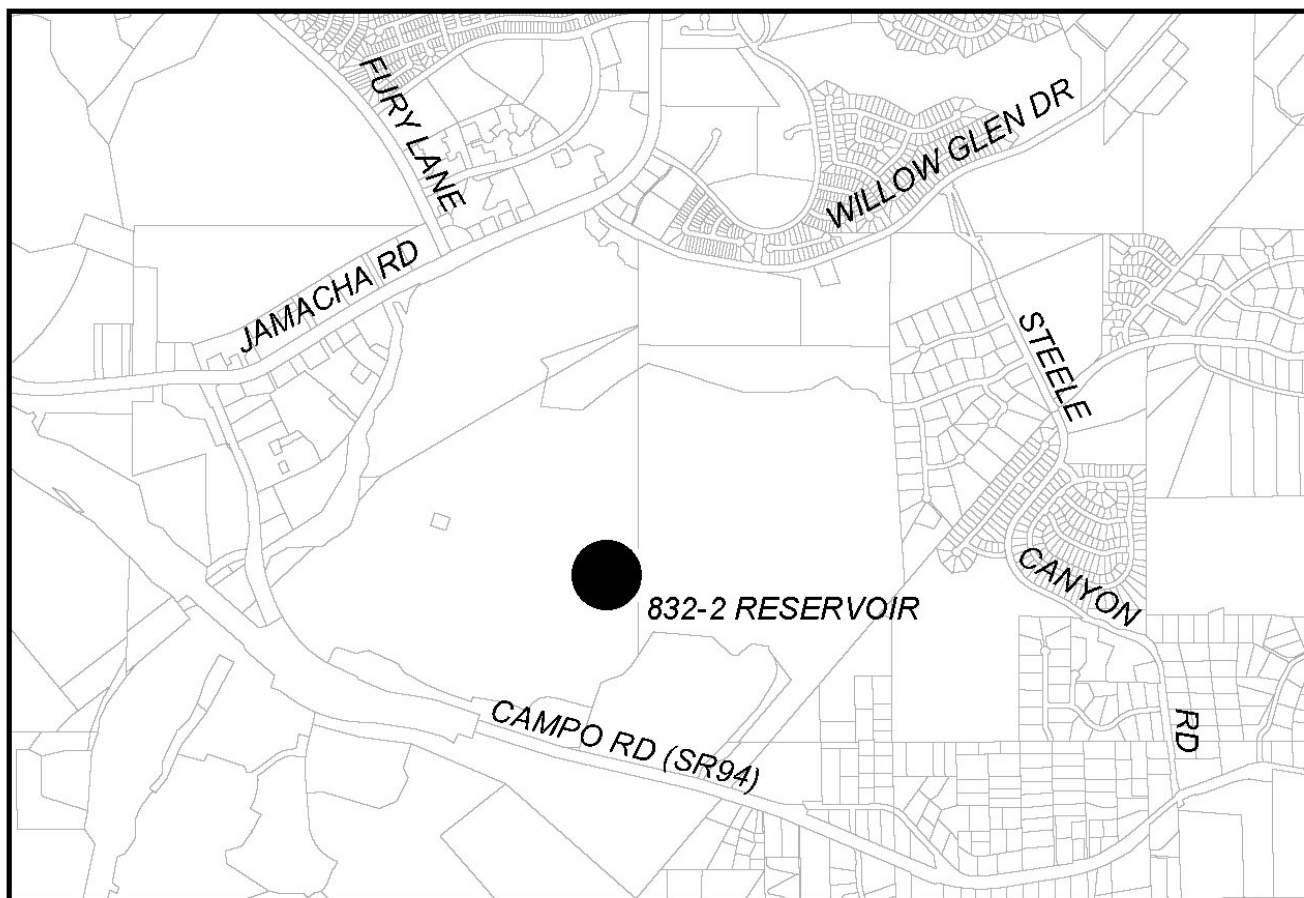
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2011	9/1/2012	\$10
DESIGN:	10/1/2012	12/1/2013	\$50
CONSTRUCTION:	1/1/2013	7/31/2016	\$640

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: Bob Kennedy

Date: 5/2/2014

PROJECT TITLE: Motorola Mobile Radio Upgrade				CIP Number: P2520			
PROJECT MANAGER: Jose Martinez				DIRECTOR DIVISION: 0			
ORIGINAL APPROVED DATE: 5/16/2011				I.D. LOCATION: District Wide			
RELATED CIP PROJECTS:				PRIORITY: 1			
				BUDGET AMOUNT: \$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	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
\$85	\$50	\$0	\$0	\$0	\$0	\$0	\$135

CIP Number: P2520

PROJECT SCHEDULE:

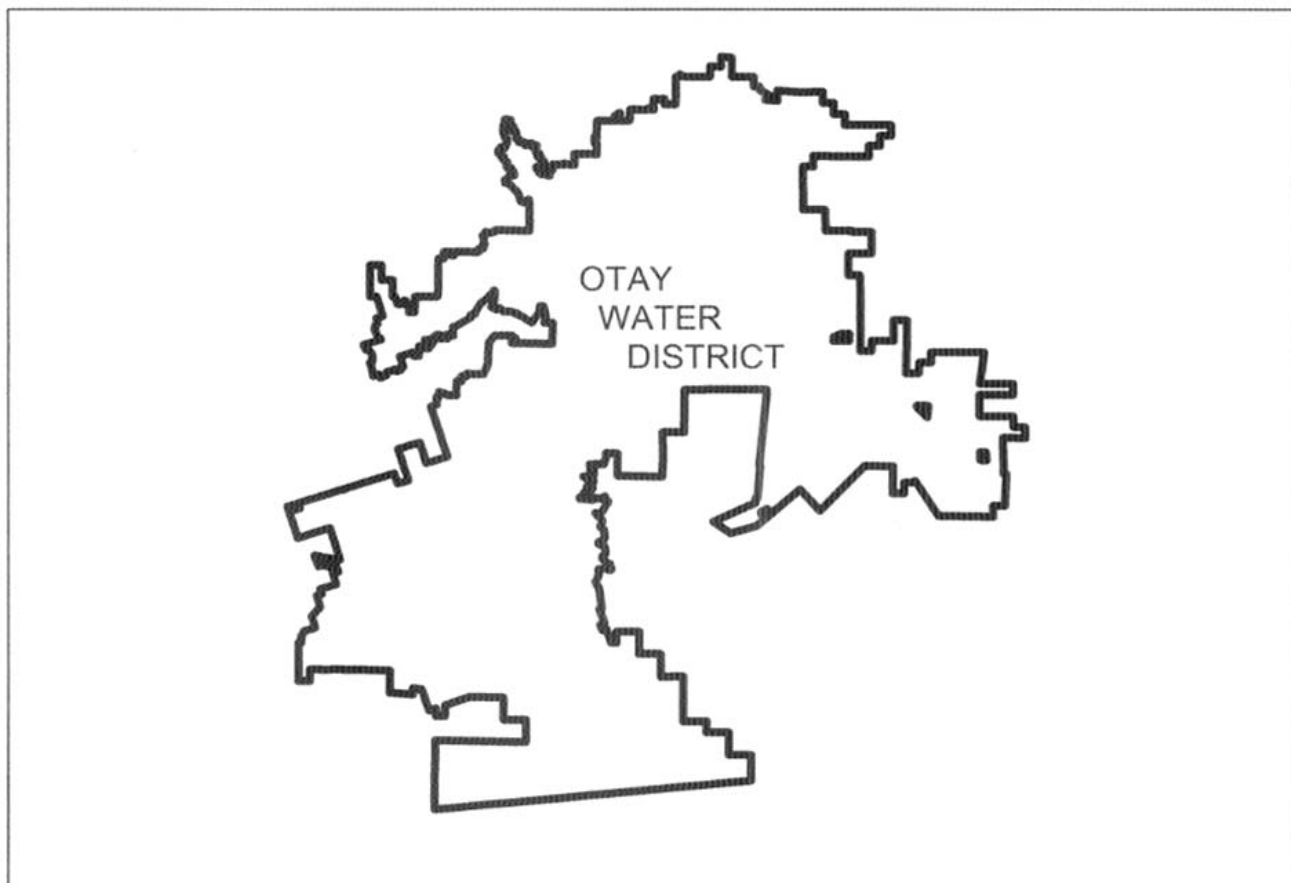
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	8/1/2011	6/30/2015	\$135

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 5/2/2014

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:		\$760,000	

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	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
	\$0	\$5	\$670	\$45	\$5	\$35	\$760

CIP Number: P2529

PROJECT SCHEDULE:

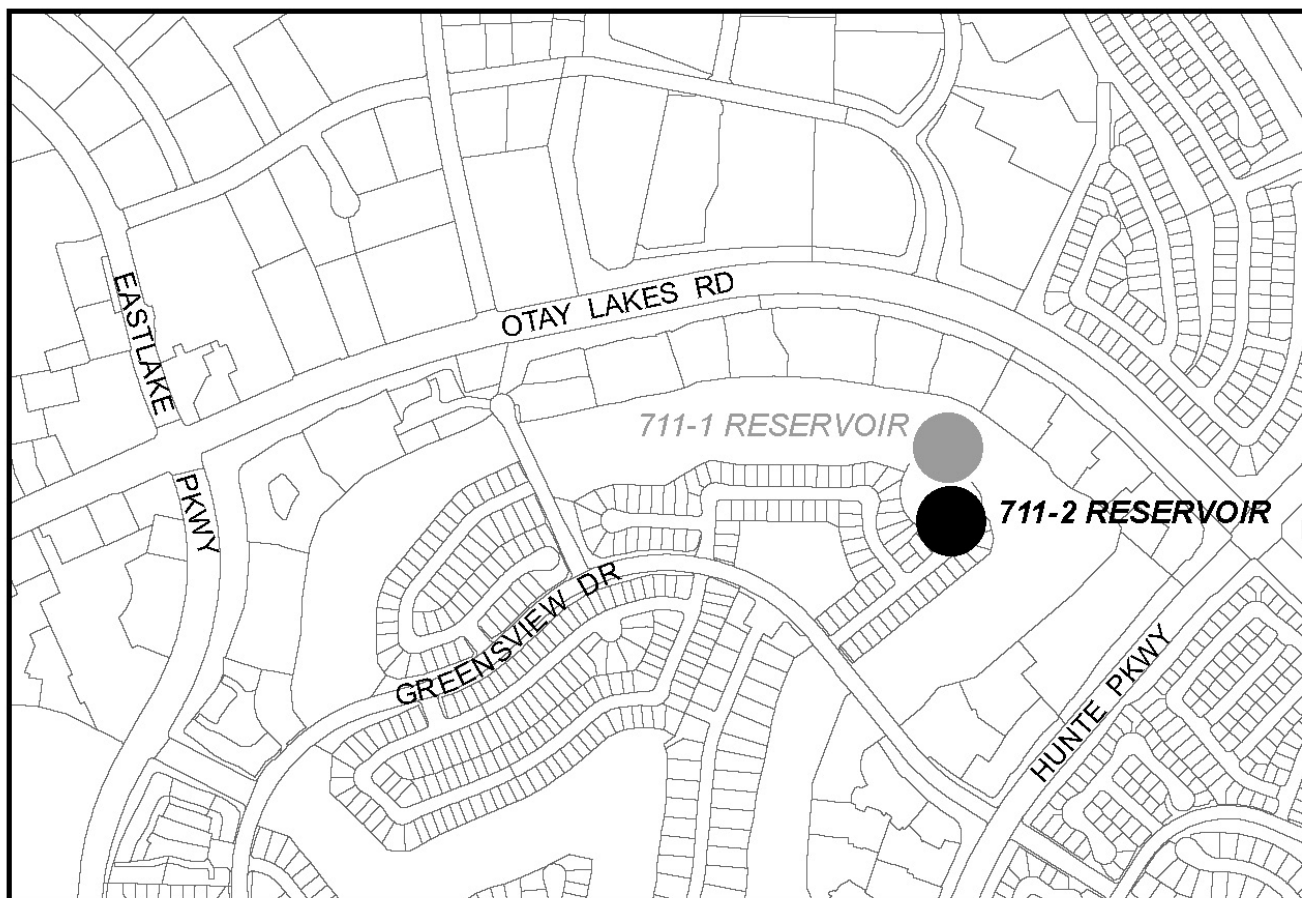
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	6/1/2015	8/31/2015	\$10
DESIGN:	9/1/2015	12/31/2015	\$65
CONSTRUCTION:	1/1/2016	8/1/2018	\$685

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 5/2/2014

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:		\$940,000	

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	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
	\$0	\$10	\$825	\$65	\$5	\$35	\$940

CIP Number: P2530

PROJECT SCHEDULE:

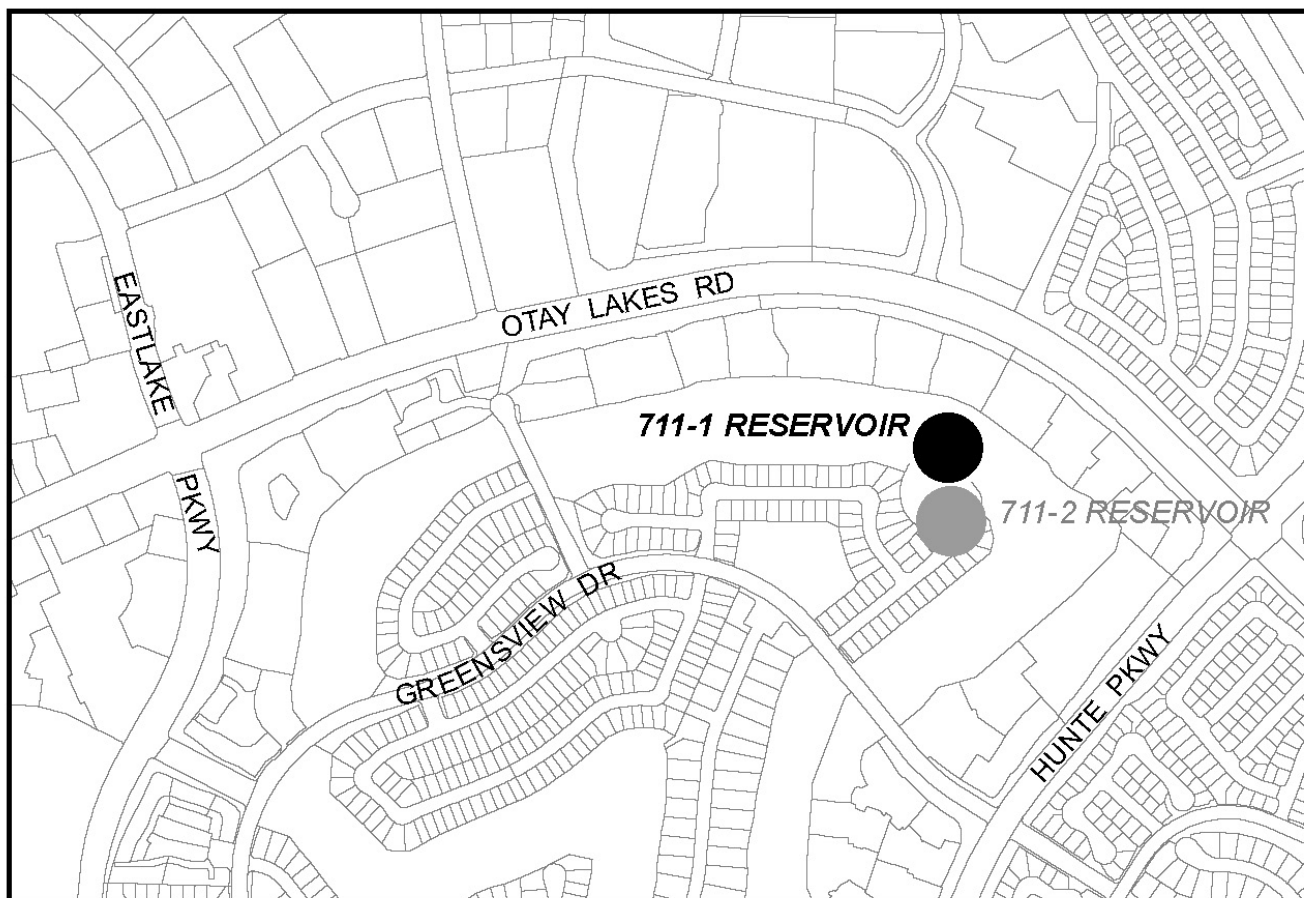
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	6/1/2015	8/31/2015	\$10
DESIGN:	9/1/2015	12/31/2015	\$65
CONSTRUCTION:	1/1/2016	8/1/2018	\$865

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 5/2/2014

PROJECT TITLE: 944-1 Reservoir Interior & Exterior Coating				CIP Number: P2531			
PROJECT MANAGER: Kevin Cameron				DIRECTOR DIVISION: 5			
ORIGINAL APPROVED DATE:				I.D. LOCATION: 9			
RELATED CIP PROJECTS: P2532				PRIORITY: 1			
				BUDGET AMOUNT: \$240,000			

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

 Based upon the 2011 Cathodic Assessment Report, the 944-1 Reservoir interior and exterior coatings are in relatively poor condition and are in need of replacement.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
\$10	\$190	\$5	\$35	\$0	\$0	\$0	\$240

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	10/31/2014	\$35
CONSTRUCTION:	12/31/2014	6/30/2017	\$195

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 5/2/2014

PROJECT TITLE: 944-2 Reservoir Interior & Exterior Coating				CIP Number: P2532																											
PROJECT MANAGER: Kevin Cameron				DIRECTOR DIVISION: 5																											
ORIGINAL APPROVED DATE:				I.D. LOCATION: 9																											
RELATED CIP PROJECTS: P2531				PRIORITY: 2																											
				BUDGET AMOUNT: \$950,000																											
DESCRIPTION OF PROJECT: This project provides funding for the interior and exterior coating of the 944-2 Reservoir. In addition, an assessment of the facility will be accomplished to assure compliance to all applicable codes and OSHA standards.																															
JUSTIFICATION OF PROJECT: Based upon the 2011 Cathodic Assessment Report, the 944-2 Reservoir interior and exterior coatings are in relatively poor condition and are in need of replacement.																															
COMMENTS:																															
FUND DETAILS: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">FUNDING SOURCE:</th> <th>Expansion</th> <th>Betterment</th> <th>Replacement</th> <th>New Water Supply</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Replacement</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> <tr> <td>TOTAL:</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> </tbody> </table>								FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total	Replacement	0 %	0 %	100 %	0 %	100 %	TOTAL:	0 %	0 %	100 %	0 %	100 %						
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total																										
Replacement	0 %	0 %	100 %	0 %	100 %																										
TOTAL:	0 %	0 %	100 %	0 %	100 %																										
EXPENDITURE SCHEDULE (X \$1,000): <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>PRIOR YEARS:</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> </tr> <tr> <th>TOTAL</th> <th>2015</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td style="text-align: right;">\$10</td> <td style="text-align: right;">\$900</td> <td style="text-align: right;">\$5</td> <td style="text-align: right;">\$35</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$950</td> </tr> </tbody> </table>								PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY	TOTAL	2015	2016	2017	2018	2019	2020	Total	\$10	\$900	\$5	\$35	\$0	\$0	\$0	\$950
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY																								
TOTAL	2015	2016	2017	2018	2019	2020	Total																								
\$10	\$900	\$5	\$35	\$0	\$0	\$0	\$950																								

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	6/30/2017	\$865

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 5/2/2014

PROJECT TITLE: 458-2 Reservoir Interior & Exterior Coating & Upgrades				CIP Number: P2535			
				DIRECTOR DIVISION:		2	
PROJECT MANAGER:		Kevin Cameron		I.D. LOCATION:		9	
ORIGINAL APPROVED DATE:		5/15/2012		PRIORITY:		2	
RELATED CIP PROJECTS:				BUDGET AMOUNT:		\$640,000	

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	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
	\$15	\$585	\$5	\$35	\$0	\$0	\$640

CIP Number: P2535

PROJECT SCHEDULE:

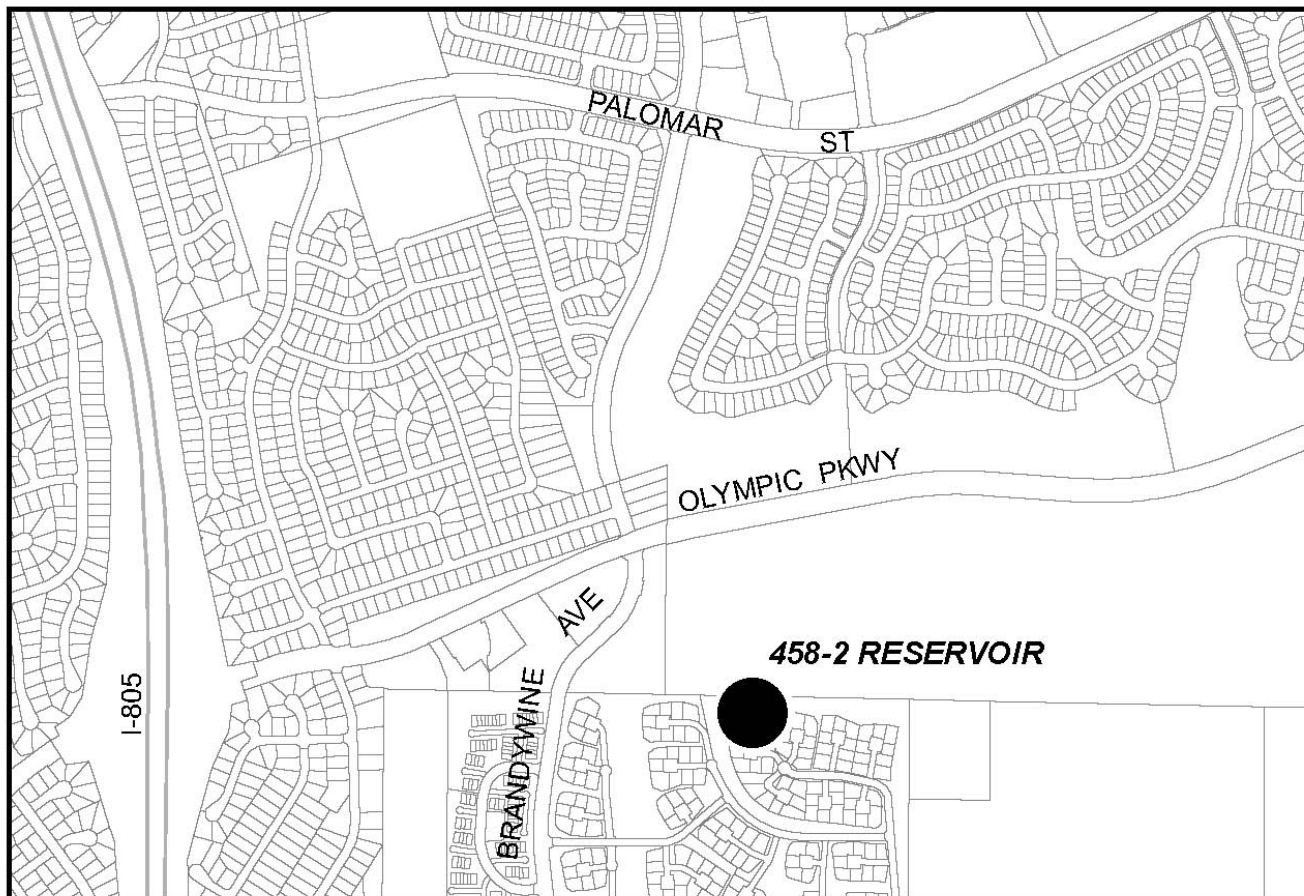
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	6/1/2013	9/30/2013	\$5
DESIGN:	10/1/2013	12/31/2014	\$65
CONSTRUCTION:	1/1/2015	6/30/2017	\$570

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 5/2/2014

PROJECT TITLE: Administration and Operations Building Fire Sprinkler Replacement Program				CIP Number: P2538			
				DIRECTOR DIVISION:		5	
PROJECT MANAGER:		Kevin Cameron		I.D. LOCATION:		1	
ORIGINAL APPROVED DATE:				PRIORITY:		1	
RELATED CIP PROJECTS:				BUDGET AMOUNT:		\$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	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
\$45	\$65	\$0	\$0	\$0	\$0	\$0	\$110

CIP Number: P2538

PROJECT SCHEDULE:

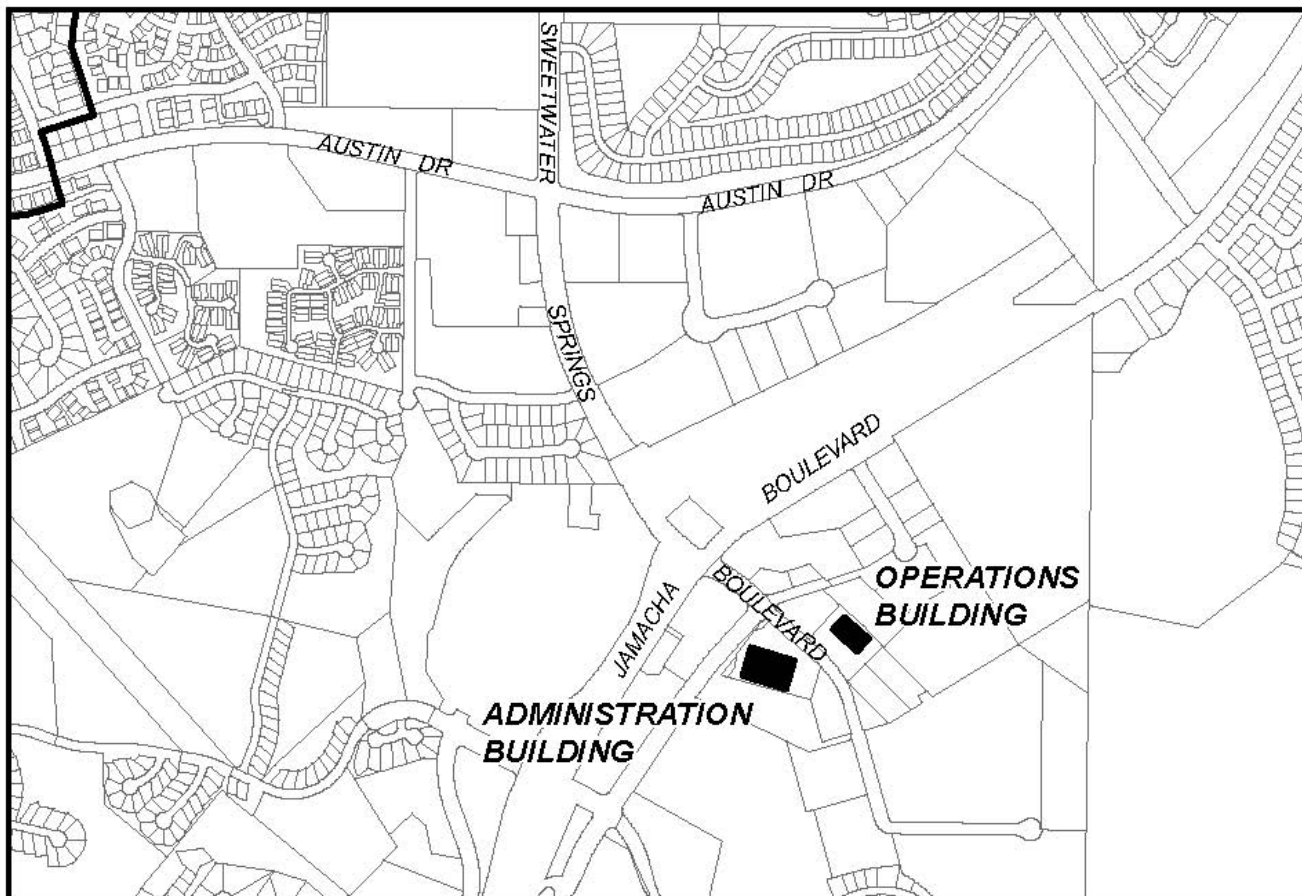
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	12/1/2012	7/1/2013	\$0
DESIGN:	7/1/2013	3/1/2014	\$40
CONSTRUCTION:	3/1/2014	12/1/2014	\$70

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: Donald Bienvenue

Date: 3/7/2014

PROJECT TITLE: South Bay Bus Rapid Transit (BRT) Utility Relocations				CIP Number: P2539			
				DIRECTOR DIVISION:		1	
PROJECT MANAGER:		Kevin Cameron		I.D. LOCATION:		22/27	
ORIGINAL APPROVED DATE:				PRIORITY:		1	
RELATED CIP PROJECTS:				BUDGET AMOUNT:		\$375,000	

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
	\$20	\$30	\$150	\$175	\$0	\$0	\$375

CIP Number: P2539

PROJECT SCHEDULE:

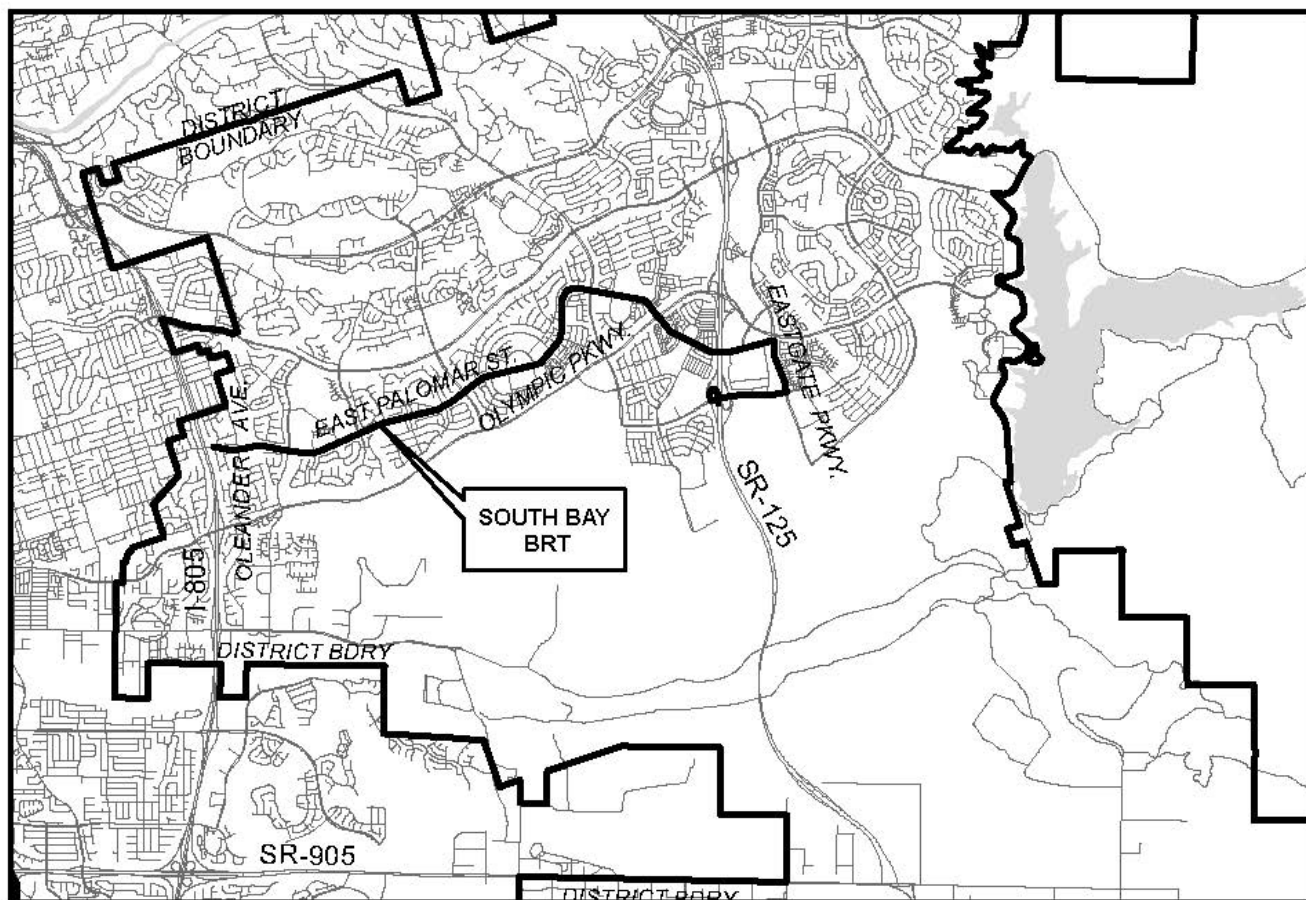
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2013	6/30/2014	\$15
DESIGN:	7/1/2014	1/1/2015	\$50
CONSTRUCTION:	1/1/2015	6/30/2017	\$310

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 4/10/2014

PROJECT TITLE: 850-3 Reservoir Interior Coating				CIP Number: P2542																											
				DIRECTOR DIVISION:		5																									
PROJECT MANAGER:		Kevin Cameron		I.D. LOCATION:		20																									
ORIGINAL APPROVED DATE:				PRIORITY:		2																									
RELATED CIP PROJECTS:				BUDGET AMOUNT:		\$480,000																									
DESCRIPTION OF PROJECT: This project provides funding for the interior coating of the 850-3 Reservoir.																															
JUSTIFICATION OF PROJECT: The interior coating is in poor condition and in need of replacement.																															
COMMENTS:																															
FUND DETAILS: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">FUNDING SOURCE:</th> <th>Expansion</th> <th>Betterment</th> <th>Replacement</th> <th>New Water Supply</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Replacement</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> <tr> <td>TOTAL:</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> </tbody> </table>								FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total	Replacement	0 %	0 %	100 %	0 %	100 %	TOTAL:	0 %	0 %	100 %	0 %	100 %						
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total																										
Replacement	0 %	0 %	100 %	0 %	100 %																										
TOTAL:	0 %	0 %	100 %	0 %	100 %																										
EXPENDITURE SCHEDULE (X \$1,000): <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">PRIOR YEARS:</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> </tr> <tr> <th style="text-align: left;">TOTAL</th> <th>2015</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$5</td> <td style="text-align: right;">\$435</td> <td style="text-align: right;">\$5</td> <td style="text-align: right;">\$35</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$480</td> </tr> </tbody> </table>								PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY	TOTAL	2015	2016	2017	2018	2019	2020	Total	\$0	\$5	\$435	\$5	\$35	\$0	\$0	\$480
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY																								
TOTAL	2015	2016	2017	2018	2019	2020	Total																								
\$0	\$5	\$435	\$5	\$35	\$0	\$0	\$480																								

CIP Number: P2542

PROJECT SCHEDULE:

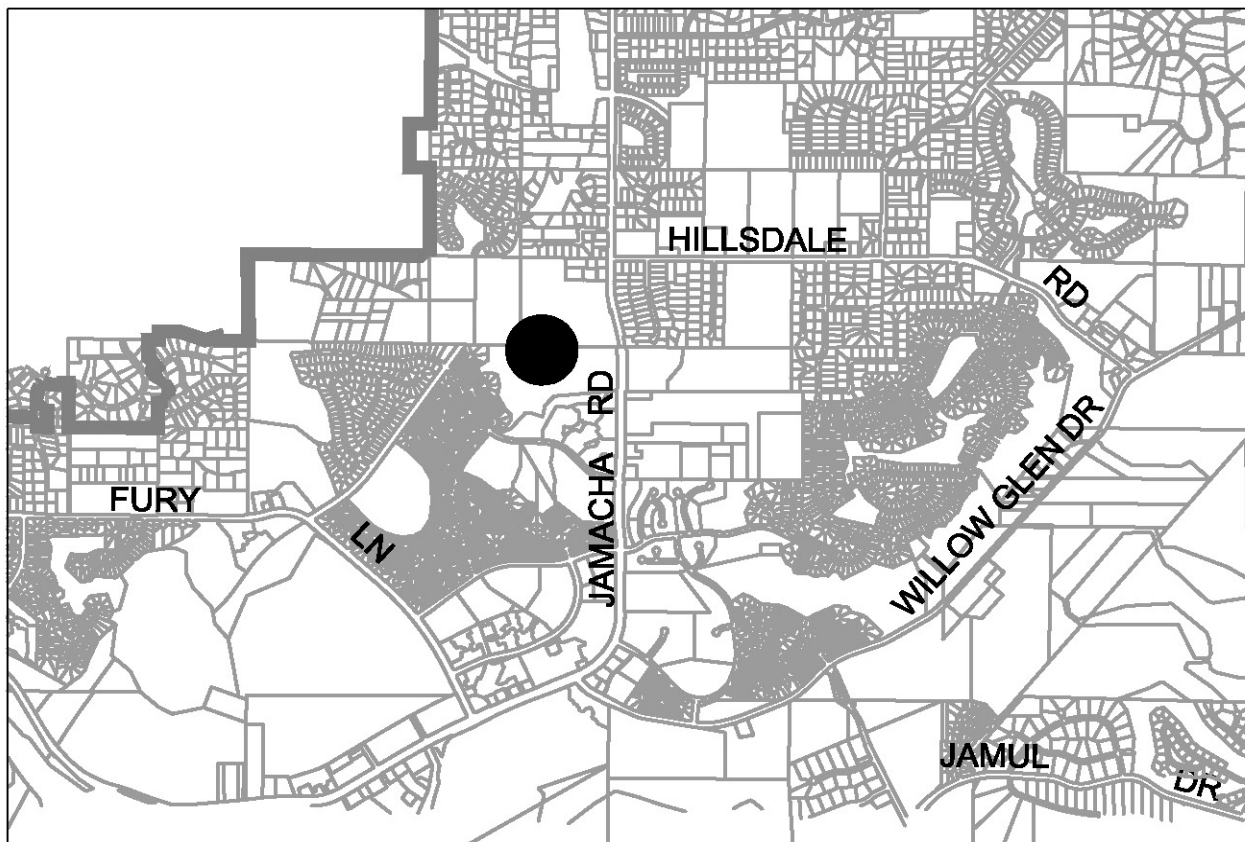
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	5/5/2015	7/31/2015	\$10
DESIGN:	8/1/2015	10/31/2015	\$60
CONSTRUCTION:	11/3/2015	6/30/2018	\$410

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 5/2/2014

PROJECT TITLE: Fuel Island Upgrade		CIP Number: P2550	
		DIRECTOR DIVISION:	3
PROJECT MANAGER:	Kent Payne	I.D. LOCATION:	20
ORIGINAL APPROVED DATE:		PRIORITY:	1
RELATED CIP PROJECTS:	P2549	BUDGET AMOUNT:	\$75,000

DESCRIPTION OF PROJECT:

 This project is to upgrade the Districts 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	2015	2016	2017	2018	2019	2020	Total
\$0	\$75	\$0	\$0	\$0	\$0	\$0	\$75

CIP Number: P2550

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2014	9/30/2014	\$5
DESIGN:	10/1/2014	3/31/2015	\$10
CONSTRUCTION:	4/1/2015	10/1/2015	\$60

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 5/2/2014

PROJECT TITLE: Heritage Road Bridge Replacement and Utility Relocation				CIP Number: P2553			
				DIRECTOR DIVISION:		2	
PROJECT MANAGER:		Kevin Cameron		I.D. LOCATION:		10	
ORIGINAL APPROVED DATE:				PRIORITY:		2	
RELATED CIP PROJECTS:				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 lineal 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	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
\$0	\$5	\$5	\$100	\$500	\$590	\$0	\$1,200

CIP Number: P2553

PROJECT SCHEDULE:

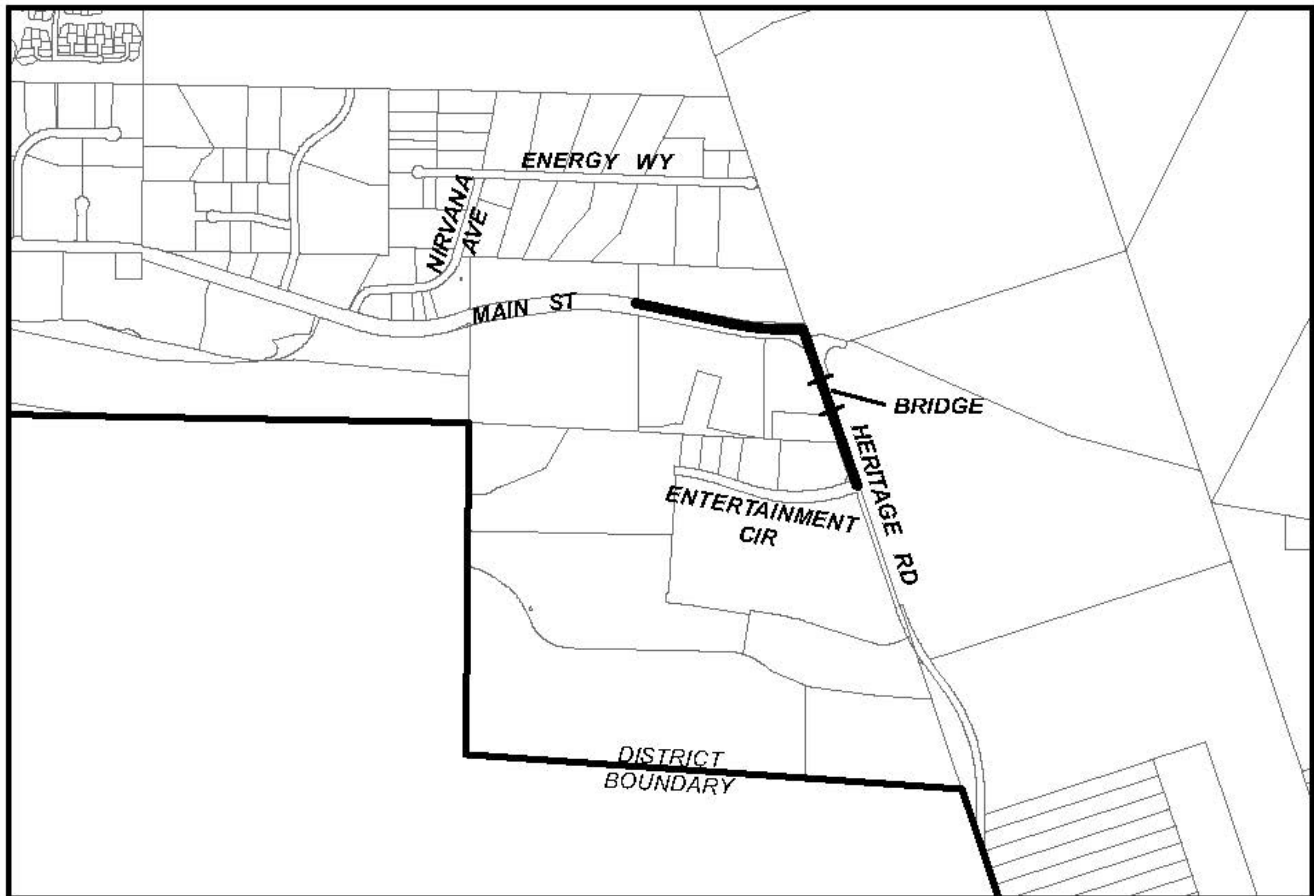
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2014	6/30/2015	\$5
DESIGN:	7/1/2015	6/30/2016	\$5
CONSTRUCTION:	7/1/2016	6/30/2019	\$1,190

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: Bob Kennedy

Date: 5/2/2014

PROJECT TITLE: Sweetwater River Wooden Trestle Improvement for the Recycled Water Forcemain		CIP Number: R2109	
		DIRECTOR DIVISION:	3
PROJECT MANAGER:	Steve 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	2015	2016	2017	2018	2019	2020	Total
\$10	\$50	\$200	\$340	\$0	\$0	\$0	\$600

CIP Number: R2109

PROJECT SCHEDULE:

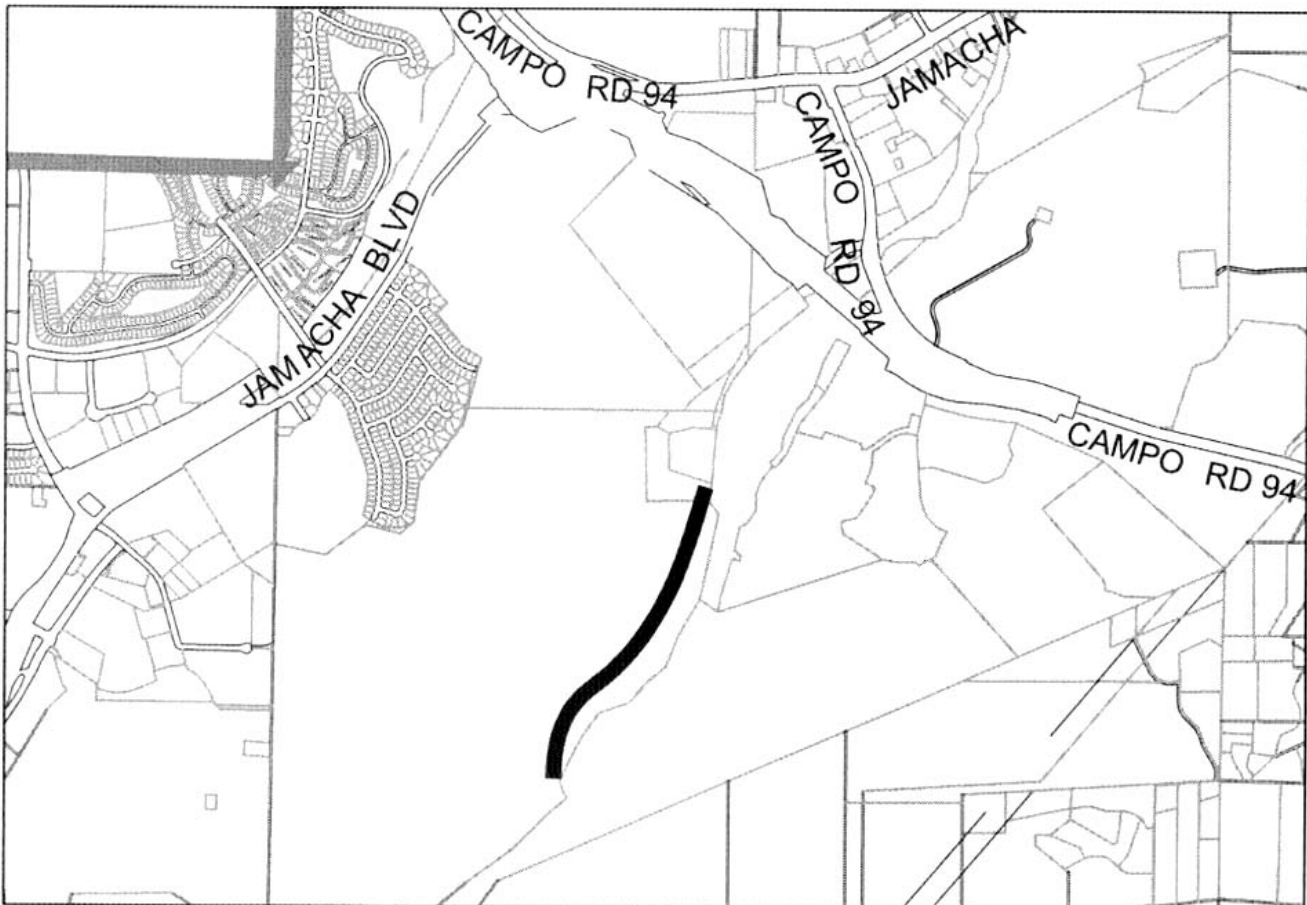
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2014	6/30/2015	\$100
DESIGN:	7/1/2015	6/30/2016	\$100
CONSTRUCTION:	7/1/2016	6/30/2017	\$400

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	Total
MAINT:	\$3,000	\$3,100	\$3,200	\$3,300	\$3,400	\$3,500	\$19,500
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: 5/2/2014

PROJECT TITLE: RWCWRF - RAS Pump Replacement				CIP Number: R2111			
				DIRECTOR DIVISION: 3			
PROJECT MANAGER:		Steve Beppler		I.D. LOCATION:		20	
ORIGINAL APPROVED DATE:		5/14/2013		PRIORITY:		1	
RELATED CIP PROJECTS:		R2096		BUDGET AMOUNT:		\$650,000	

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	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
\$30	\$310	\$310	\$0	\$0	\$0	\$0	\$650

CIP Number: R2111

PROJECT SCHEDULE:

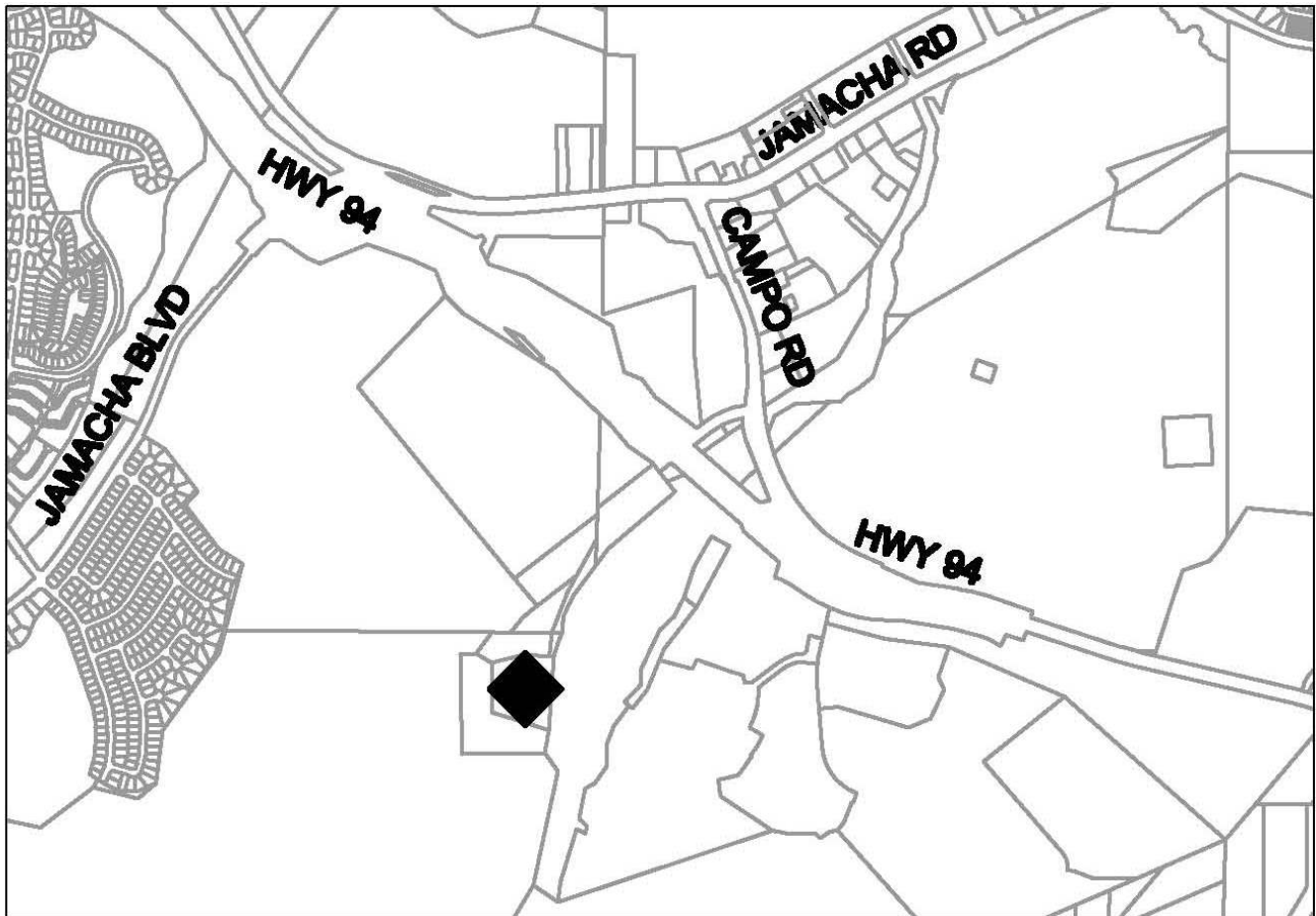
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2013	6/30/2014	\$10
DESIGN:	7/1/2014	6/30/2015	\$75
CONSTRUCTION:	7/1/2015	6/30/2016	\$565

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 5/2/2014

PROJECT TITLE: 450-1 Disinfection Facility Rehabilitation				CIP Number: R2112																											
				DIRECTOR DIVISION:		2																									
PROJECT MANAGER:		Kevin Cameron		I.D. LOCATION:		10																									
ORIGINAL APPROVED DATE:				PRIORITY:		1																									
RELATED CIP PROJECTS:				BUDGET AMOUNT:		\$190,000																									
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 the 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: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">FUNDING SOURCE:</th> <th>Expansion</th> <th>Betterment</th> <th>Replacement</th> <th>New Water Supply</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Replacement</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> <tr> <td>TOTAL:</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> </tbody> </table>								FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total	Replacement	0 %	0 %	100 %	0 %	100 %	TOTAL:	0 %	0 %	100 %	0 %	100 %						
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total																										
Replacement	0 %	0 %	100 %	0 %	100 %																										
TOTAL:	0 %	0 %	100 %	0 %	100 %																										
EXPENDITURE SCHEDULE (X \$1,000): <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>PRIOR YEARS:</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> </tr> <tr> <th>TOTAL</th> <th>2015</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$150</td> <td style="text-align: right;">\$40</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$190</td> </tr> </tbody> </table>								PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY	TOTAL	2015	2016	2017	2018	2019	2020	Total	\$0	\$150	\$40	\$0	\$0	\$0	\$0	\$190
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY																								
TOTAL	2015	2016	2017	2018	2019	2020	Total																								
\$0	\$150	\$40	\$0	\$0	\$0	\$0	\$190																								

CIP Number: R2112

PROJECT SCHEDULE:

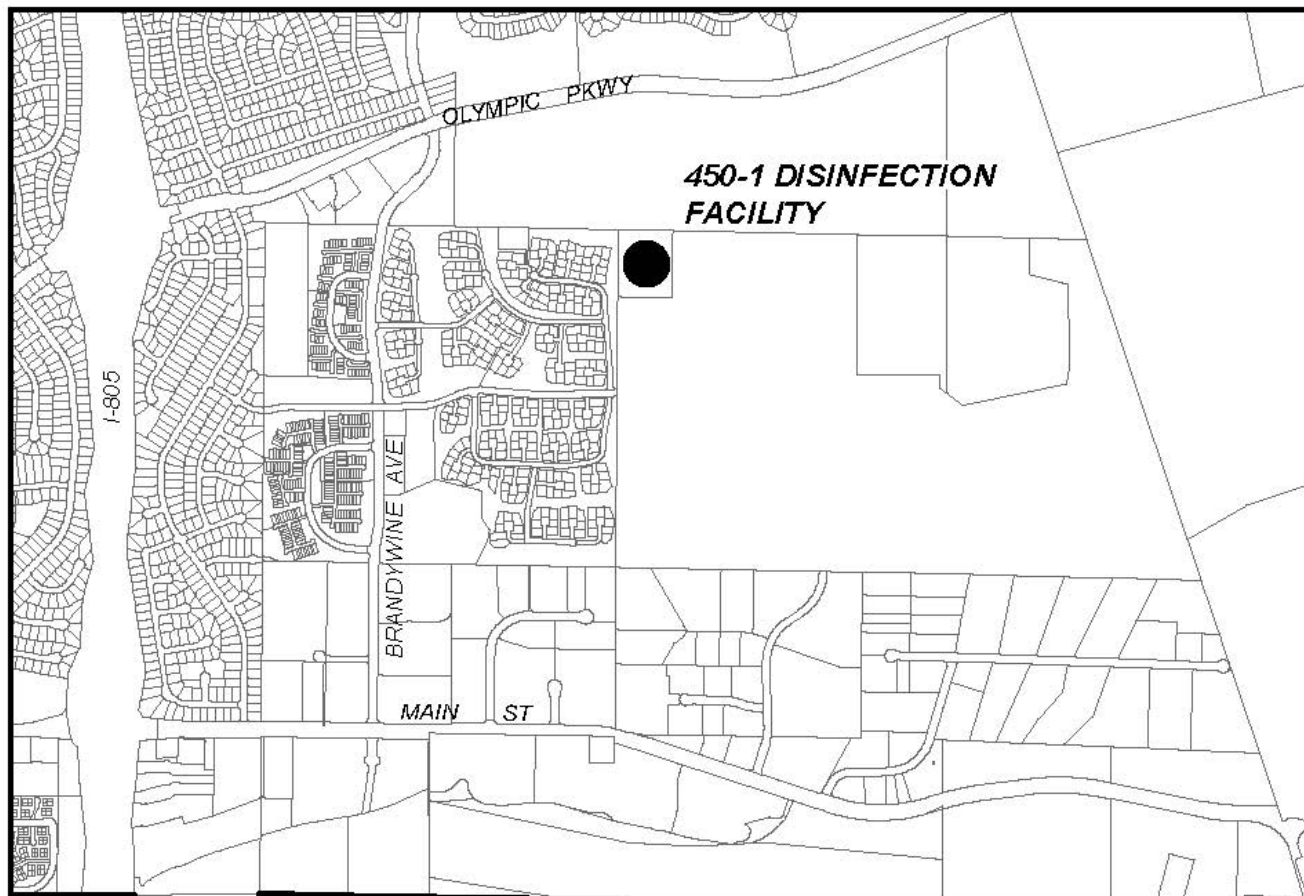
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2014	6/30/2014	\$5
DESIGN:	7/1/2014	6/30/2015	\$20
CONSTRUCTION:	7/1/2016	6/30/2017	\$165

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: Kevin Koeppen

Date: 6/6/2014

PROJECT TITLE: RecPL - 14-Inch, 927 Zone, Forcemain Assessment and Repair		CIP Number: R2116	
		DIRECTOR DIVISION:	3
PROJECT MANAGER:	Steve Beppler	I.D. LOCATION:	2 & 20
ORIGINAL APPROVED DATE:		PRIORITY:	1
RELATED CIP PROJECTS:		BUDGET AMOUNT:	\$1,500,000

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	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
	\$0	\$100	\$650	\$650	\$0	\$0	\$1,500

CIP Number: R2116

PROJECT SCHEDULE:

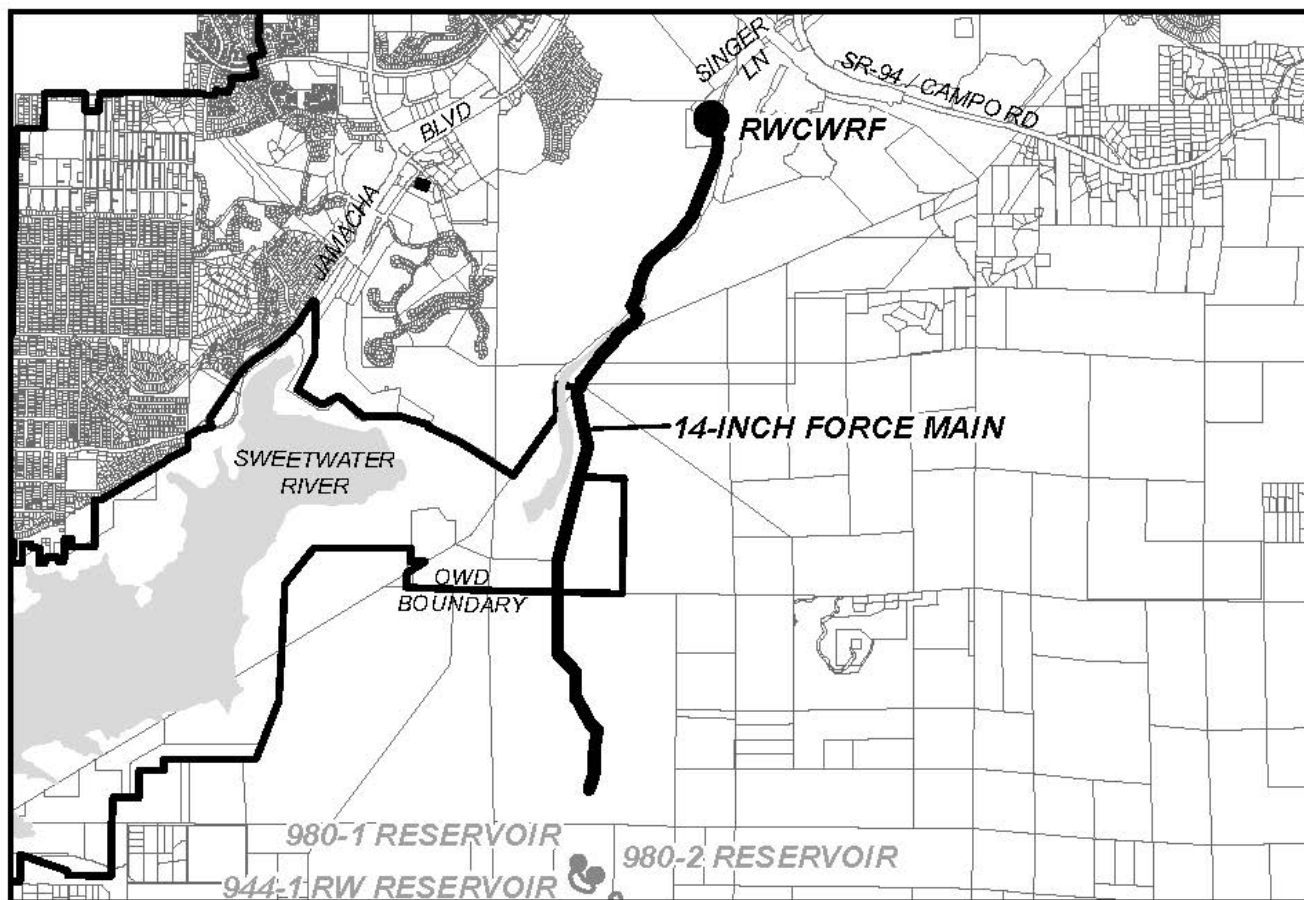
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2014	6/30/2015	\$80
DESIGN:	7/1/2015	12/31/2016	\$120
CONSTRUCTION:	1/1/2017	6/30/2018	\$1,300

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: Jeff Marchioro

Date: 8/5/2014

PROJECT TITLE: San Diego County Sanitation District Outfall and RSD Outfall Replacement		CIP Number: S2012	
		DIRECTOR DIVISION:	3
PROJECT MANAGER:	Bob Kennedy	I.D. LOCATION:	18
ORIGINAL APPROVED DATE:	6/4/2003	PRIORITY:	1
RELATED CIP PROJECTS:		BUDGET AMOUNT:	\$3,550,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

 Various components of the San Diego County Sanitation District Spring Valley Outfall and the Rancho San Diego Outfall are in very bad condition and are 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	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
\$860	\$150	\$150	\$250	\$450	\$450	\$450	\$2,760

CIP Number: S2012

PROJECT SCHEDULE:

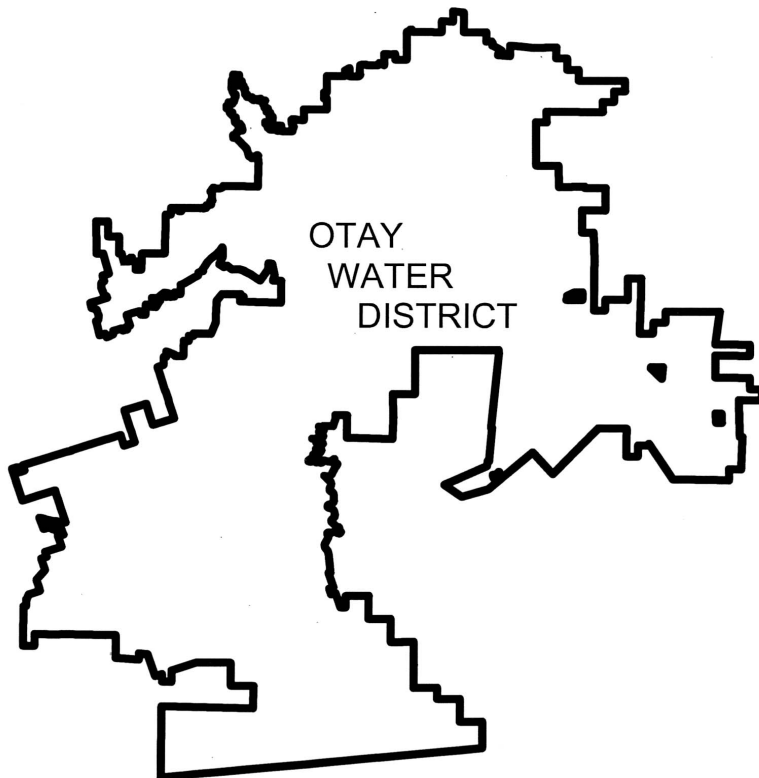
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2003	6/30/2020	\$3,550

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 5/2/2014

PROJECT TITLE: Campo Road Sewer Main Replacement				CIP Number: S2024			
				DIRECTOR DIVISION: 3			
PROJECT MANAGER: Steve Beppler				I.D. LOCATION: 18			
ORIGINAL APPROVED DATE: 5/17/2010				PRIORITY: 2			
RELATED CIP PROJECTS:				BUDGET AMOUNT: \$5,500,000			

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Betterment ID 18	0 %	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	2015	2016	2017	2018	2019	2020	Total
\$110	\$600	\$2,000	\$2,790	\$0	\$0	\$0	\$5,500

CIP Number: S2024

PROJECT SCHEDULE:

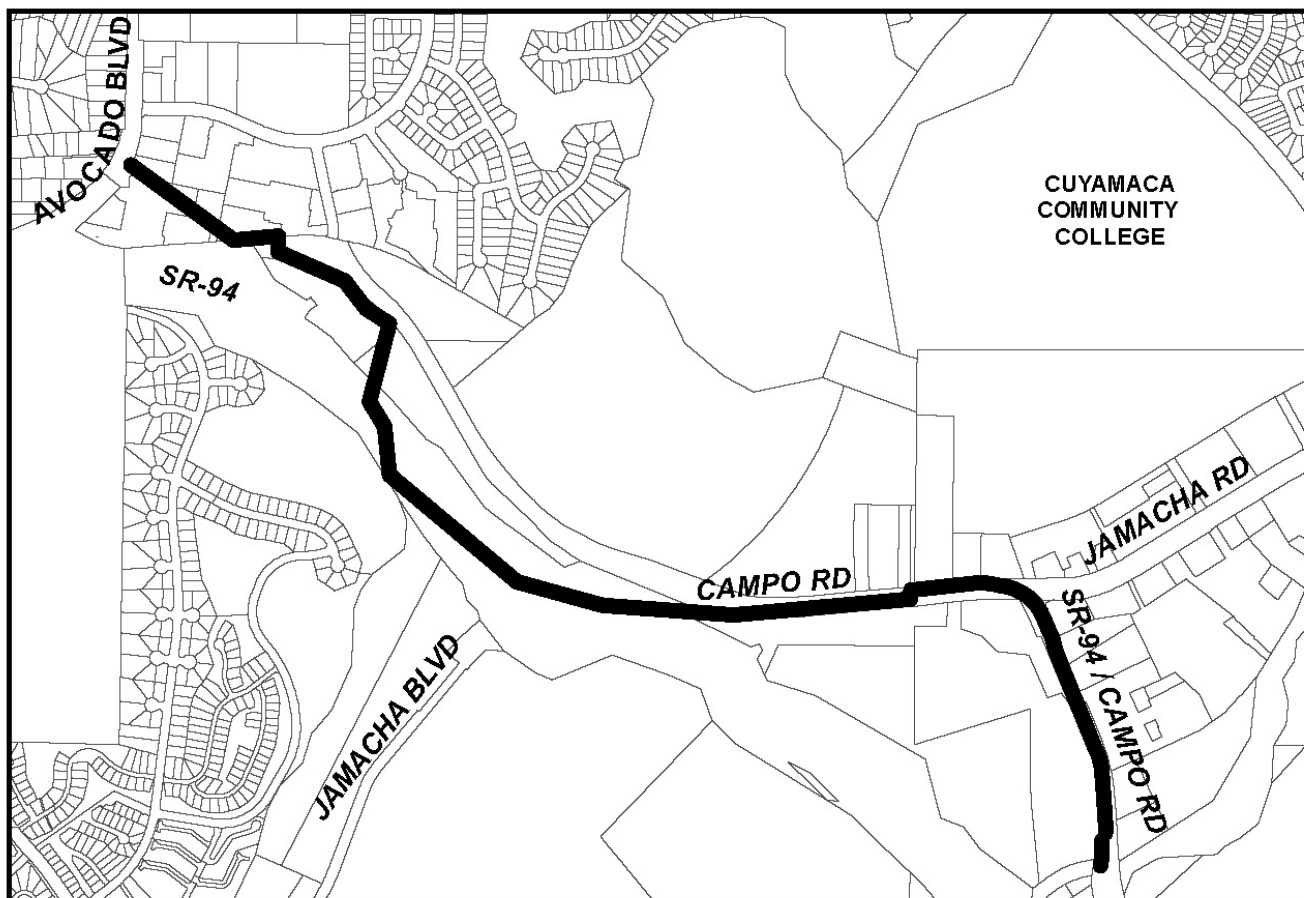
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2010	6/1/2014	\$100
DESIGN:	1/1/2015	4/1/2016	\$900
CONSTRUCTION:	4/1/2016	6/30/2017	\$4,500

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 5/2/2014

PROJECT TITLE: Rancho San Diego Pump Station Rehabilitation				CIP Number: S2027			
				DIRECTOR DIVISION: 3			
PROJECT MANAGER:		Steve Beppler		I.D. LOCATION:		18	
ORIGINAL APPROVED DATE:		5/16/2011		PRIORITY:		2	
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	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
\$350	\$150	\$2,500	\$500	\$0	\$0	\$0	\$3,500

CIP Number: S2027

PROJECT SCHEDULE:

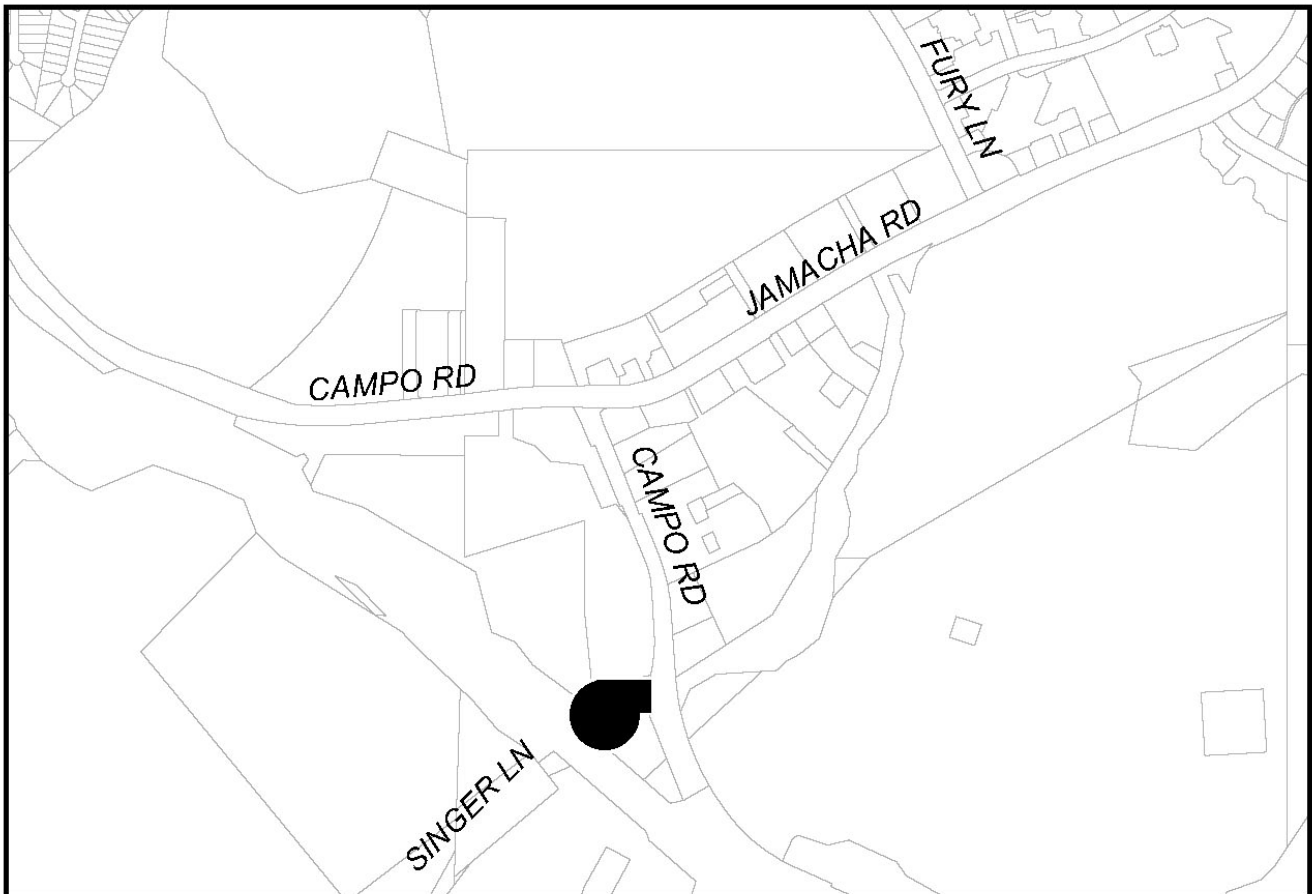
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2011	7/1/2013	\$50
DESIGN:	7/1/2013	12/31/2014	\$500
CONSTRUCTION:	1/1/2015	6/30/2017	\$2,350

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 5/2/2014

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

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

 The closed circuit television sewer assessment program process has assisted in the identification of sewer mains containing sags, which has allowed debris to form, and/or are damaged and need to be repaired.

COMMENTS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
	\$525	\$675	\$1,300	\$1,000	\$800	\$800	\$6,000

CIP Number: S2033

PROJECT SCHEDULE:

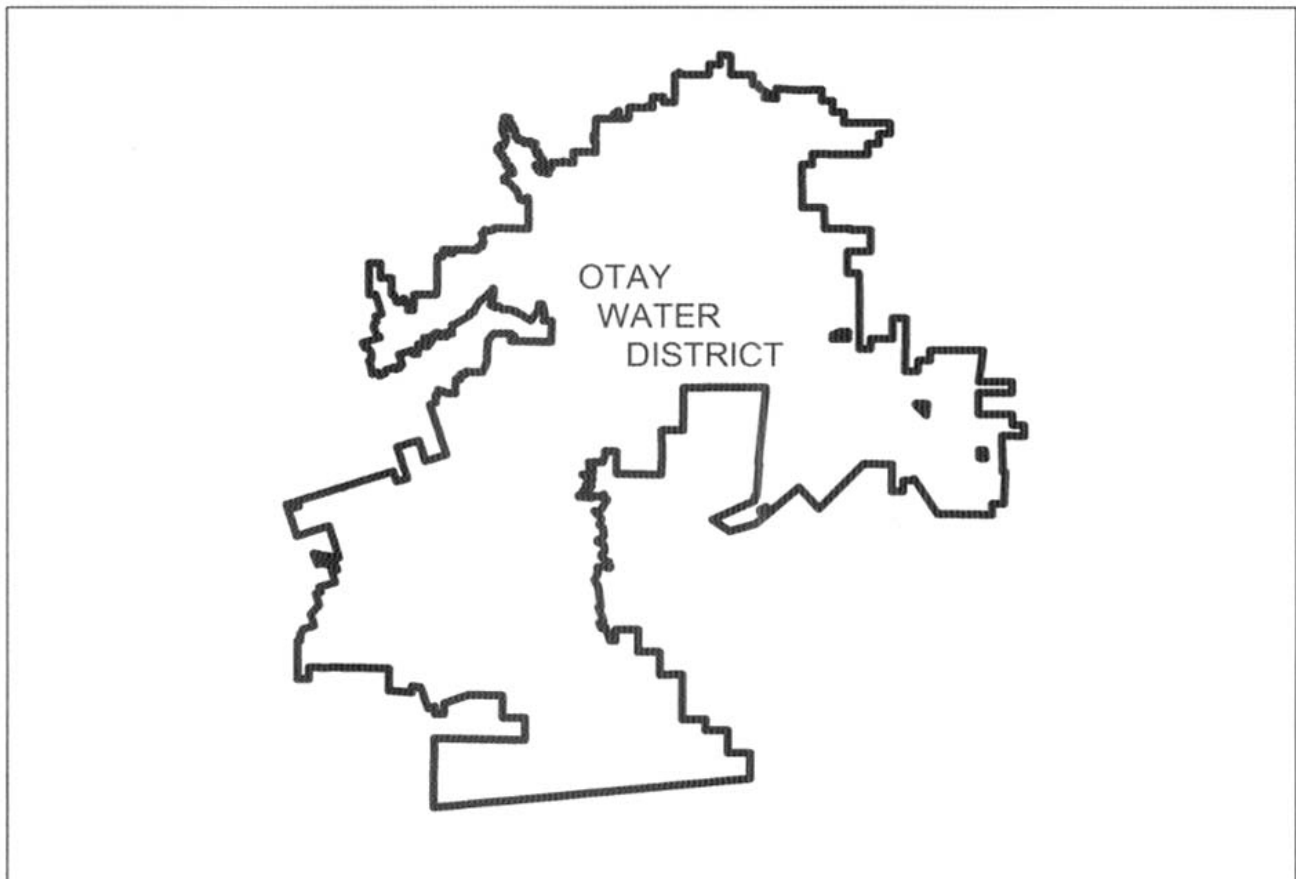
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2011	1/1/2016	\$400
DESIGN:	3/1/2013	1/1/2017	\$1,000
CONSTRUCTION:	6/30/2014	1/1/2019	\$4,600

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 4/14/2014

PROJECT TITLE: Vehicle Capital Purchases				CIP Number: P2282																											
PROJECT MANAGER: Doug Rahders				DIRECTOR DIVISION: 0																											
ORIGINAL APPROVED DATE: 6/3/1996				I.D. LOCATION: District Wide																											
RELATED CIP PROJECTS:				PRIORITY: 1																											
				BUDGET AMOUNT: \$5,021,000																											
DESCRIPTION OF PROJECT: <p>This project provides funding for capital purchase of various vehicles for daily Otay Water District functions.</p>																															
JUSTIFICATION OF PROJECT: <p>Replacements or newly acquired vehicles will be used for operational and administrative functions throughout the entire Otay Water District.</p>																															
COMMENTS: <p>2/21/14, \$500K Vactor scheduled in FY 16</p>																															
FUND DETAILS: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <th style="text-align: left;">FUNDING SOURCE:</th> <th>Expansion</th> <th>Betterment</th> <th>Replacement</th> <th>New Water Supply</th> <th>Total</th> </tr> <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>								FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total	Replacement	0 %	0 %	100 %	0 %	100 %	TOTAL:	0 %	0 %	100 %	0 %	100 %						
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total																										
Replacement	0 %	0 %	100 %	0 %	100 %																										
TOTAL:	0 %	0 %	100 %	0 %	100 %																										
EXPENDITURE SCHEDULE (X \$1,000): <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <th style="text-align: left;">PRIOR YEARS:</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> </tr> <tr> <td>TOTAL</td> <td>2015</td> <td>2016</td> <td>2017</td> <td>2018</td> <td>2019</td> <td>2020</td> <td>Total</td> </tr> <tr> <td>\$3,090</td> <td>\$105</td> <td>\$600</td> <td>\$300</td> <td>\$275</td> <td>\$217</td> <td>\$434</td> <td>\$5,021</td> </tr> </table>								PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY	TOTAL	2015	2016	2017	2018	2019	2020	Total	\$3,090	\$105	\$600	\$300	\$275	\$217	\$434	\$5,021
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY																								
TOTAL	2015	2016	2017	2018	2019	2020	Total																								
\$3,090	\$105	\$600	\$300	\$275	\$217	\$434	\$5,021																								

CIP Number: P2282

PROJECT SCHEDULE:

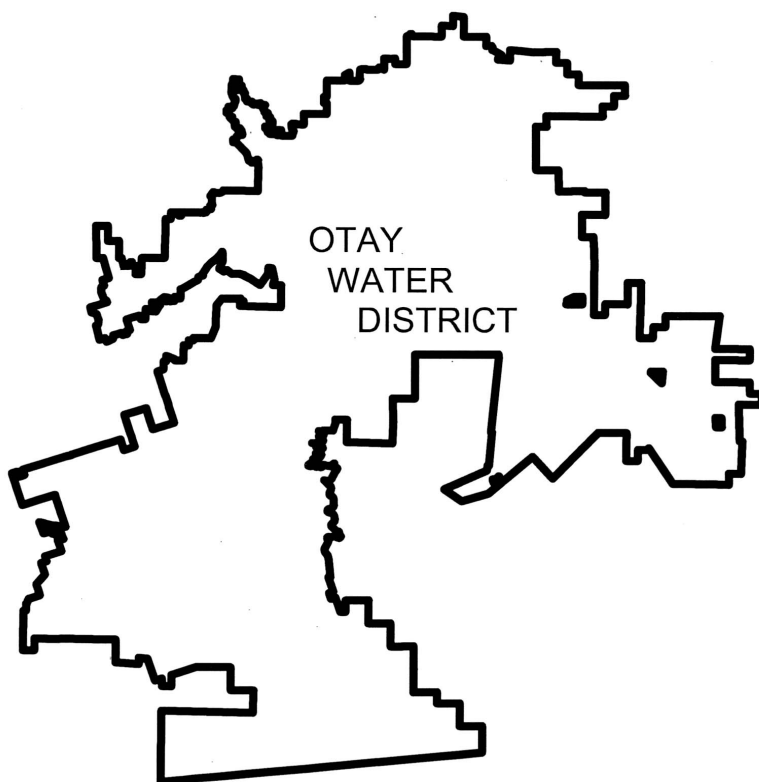
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	12/1/2000	6/30/2020	\$5,021
DESIGN:			\$0
CONSTRUCTION:			\$0

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 5/2/2014

PROJECT TITLE: Office Equipment and Furniture Capital Purchases				CIP Number: P2285																											
				DIRECTOR DIVISION: 0																											
PROJECT MANAGER: Kent Payne				I.D. LOCATION: District Wide																											
ORIGINAL APPROVED DATE: 6/3/1996				PRIORITY: 1																											
RELATED CIP PROJECTS:				BUDGET AMOUNT: \$589,000																											
DESCRIPTION OF PROJECT: This project provides funding for capital purchase of various office equipment and furniture items used for daily Otay Water District functions.																															
JUSTIFICATION OF PROJECT: Replacements or new acquisitions of office equipment and furniture will be used for operational and administrative functions throughout the entire Otay Water District.																															
COMMENTS: Projected expenditure to replace copy/printer if needed.																															
FUND DETAILS: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">FUNDING SOURCE:</th> <th>Expansion</th> <th>Betterment</th> <th>Replacement</th> <th>New Water Supply</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Replacement</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> <tr> <td>TOTAL:</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> </tbody> </table>								FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total	Replacement	0 %	0 %	100 %	0 %	100 %	TOTAL:	0 %	0 %	100 %	0 %	100 %						
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total																										
Replacement	0 %	0 %	100 %	0 %	100 %																										
TOTAL:	0 %	0 %	100 %	0 %	100 %																										
EXPENDITURE SCHEDULE (X \$1,000): <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">PRIOR YEARS:</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> </tr> <tr> <th style="text-align: left;">TOTAL</th> <th>2015</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>\$515</td> <td>\$15</td> <td>\$15</td> <td>\$15</td> <td>\$15</td> <td>\$14</td> <td>\$0</td> <td>\$589</td> </tr> </tbody> </table>								PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY	TOTAL	2015	2016	2017	2018	2019	2020	Total	\$515	\$15	\$15	\$15	\$15	\$14	\$0	\$589
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY																								
TOTAL	2015	2016	2017	2018	2019	2020	Total																								
\$515	\$15	\$15	\$15	\$15	\$14	\$0	\$589																								

CIP Number: P2285

PROJECT SCHEDULE:

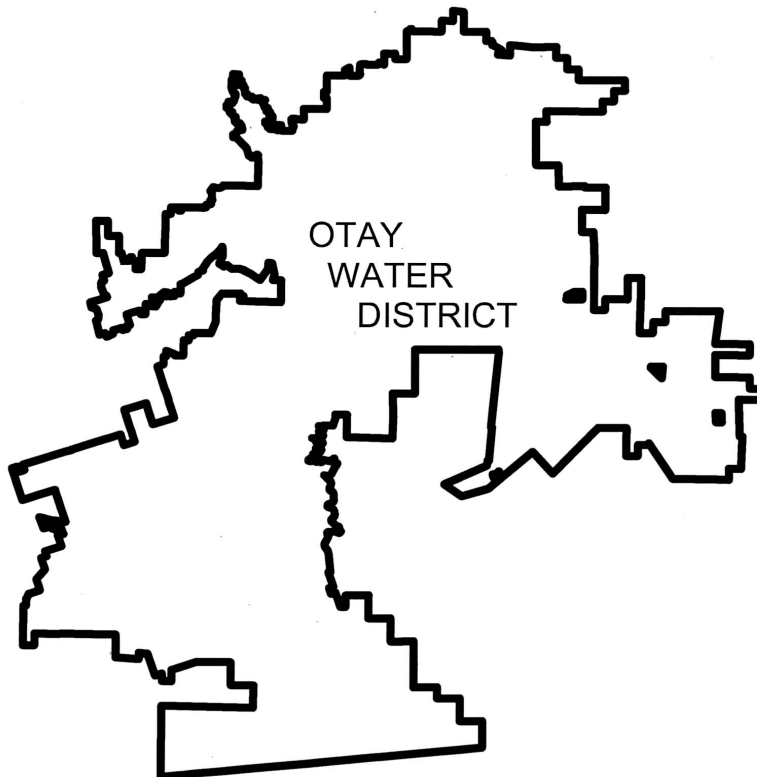
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	12/1/2000	6/1/2019	\$589
DESIGN:			\$0
CONSTRUCTION:			\$0

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 3/24/2014

PROJECT TITLE: Field Equipment Capital Purchases				CIP Number: P2286			
PROJECT MANAGER: Doug Rahders				DIRECTOR DIVISION: 0			
ORIGINAL APPROVED DATE: 6/3/1996				I.D. LOCATION: District Wide			
RELATED CIP PROJECTS:				PRIORITY: 1			
				BUDGET AMOUNT: \$1,758,000			
DESCRIPTION OF PROJECT:							
This project provides funding for capital purchase of various pieces of field equipment used for daily Otay Water District functions.							
JUSTIFICATION OF PROJECT:							
Replacements or new acquisitions of field equipment will be used for operational functions throughout the entire Otay Water District.							
COMMENTS:							
FUND DETAILS:							
FUNDING SOURCE:		Expansion	Betterment	Replacement	New Water Supply	Total	
Replacement		0 %	0 %	100 %	0 %	100 %	
TOTAL:		0 %	0 %	100 %	0 %	100 %	
EXPENDITURE SCHEDULE (X \$1,000):							
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
\$1,386	\$65	\$40	\$100	\$83	\$68	\$16	\$1,758

CIP Number: P2286

PROJECT SCHEDULE:

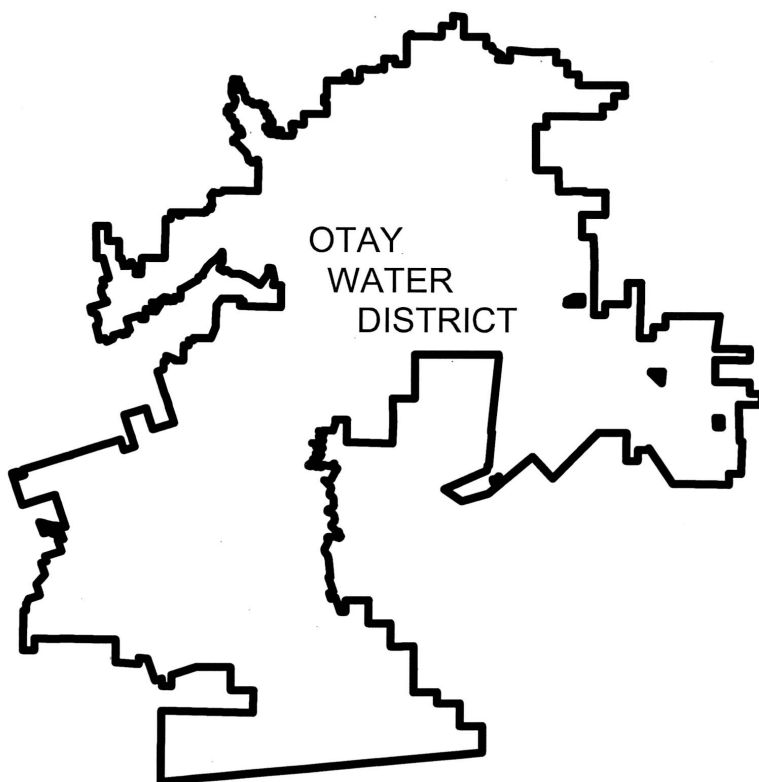
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/1996	6/30/2020	\$1,758
DESIGN:			\$0
CONSTRUCTION:			\$0

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 5/2/2014

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

DESCRIPTION OF PROJECT:

This project will 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
Expansion	60 %	0 %	0 %	0 %	60 %
Replacement	0 %	0 %	40 %	0 %	40 %
TOTAL:	60 %	0 %	40 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
	\$1,459	\$175	\$100	\$100	\$200	\$200	\$275
							\$2,509

CIP Number: P2469

PROJECT SCHEDULE:

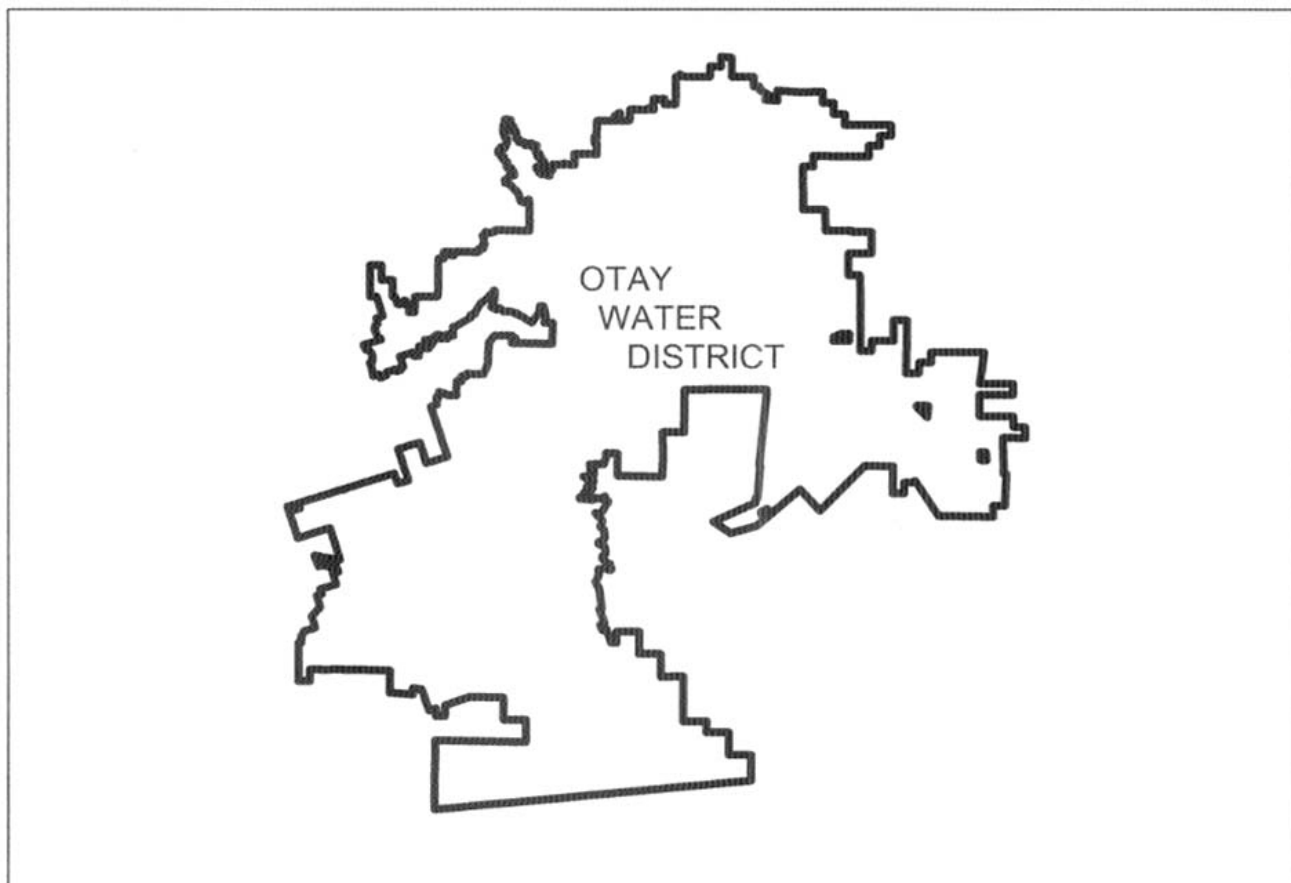
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2008	6/30/2022	\$2,509
DESIGN:			\$0
CONSTRUCTION:			\$0

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 5/2/2014

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

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

DESCRIPTION OF PROJECT:

This project is to develop enhancements and new integration functionality for Eden, GIS, Work-Order, and related core application systems. In 2015 this will include examination of the Eden Self Serve Module (\$75K) , linkages to work order system and time keeping (\$35K), and additional support plus potential security considerations.

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2015	2016	2017	2018	2019	2020	Total
\$1,665	\$100	\$100	\$100	\$100	\$100	\$100	\$2,265

CIP Number: P2470

PROJECT SCHEDULE:

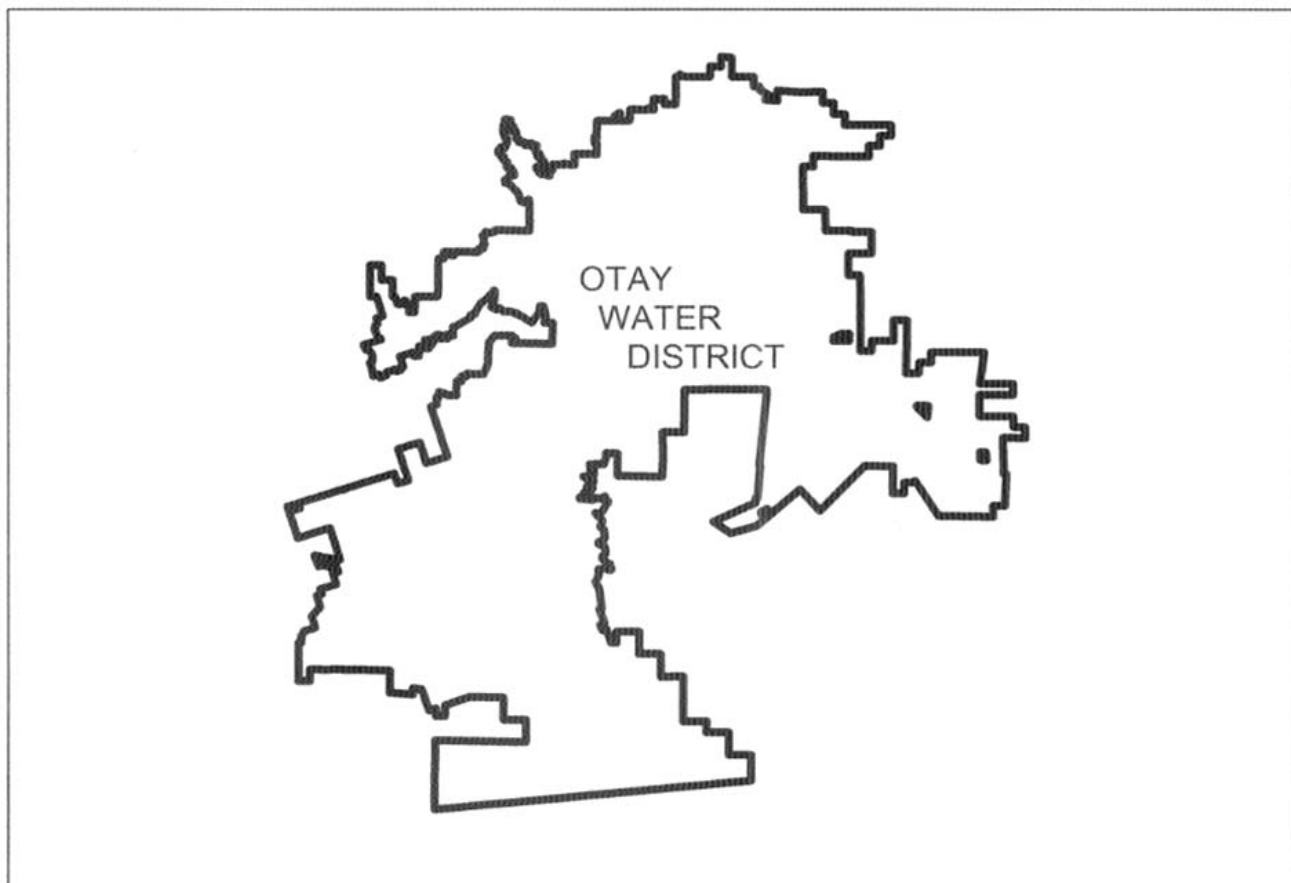
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2008	6/1/2022	\$2,322
DESIGN:			\$0
CONSTRUCTION:			\$0

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 5/2/2014

PROJECT TITLE: Work Order Management System Replacement				CIP Number: P2540																											
				DIRECTOR DIVISION: 0																											
PROJECT MANAGER: Geoff Stevens				I.D. LOCATION: District Wide																											
ORIGINAL APPROVED DATE:				PRIORITY: 1																											
RELATED CIP PROJECTS:				BUDGET AMOUNT: \$700,000																											
DESCRIPTION OF PROJECT: Replace existing work order system.																															
JUSTIFICATION OF PROJECT: The work order system will organize and track all activities associated with District assets. As part of the implementation of enterprise asset management, the work order system will adopt a GIS centric architecture and integrate efficiently with other core systems. In addition, it needs to be able to assist in all phases of asset creation, maintenance, replacement, and decommission. The current system is at the end of its useful life and does not have the ability to be modified to meet these needs.																															
COMMENTS: 																															
FUND DETAILS: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">FUNDING SOURCE:</th> <th>Expansion</th> <th>Betterment</th> <th>Replacement</th> <th>New Water Supply</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Expansion</td> <td style="text-align: center;">40 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">40 %</td> </tr> <tr> <td>Replacement</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">60 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">60 %</td> </tr> <tr> <td>TOTAL:</td> <td style="text-align: center;">40 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">60 %</td> <td style="text-align: center;">0 %</td> <td style="text-align: center;">100 %</td> </tr> </tbody> </table>								FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total	Expansion	40 %	0 %	0 %	0 %	40 %	Replacement	0 %	0 %	60 %	0 %	60 %	TOTAL:	40 %	0 %	60 %	0 %	100 %
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total																										
Expansion	40 %	0 %	0 %	0 %	40 %																										
Replacement	0 %	0 %	60 %	0 %	60 %																										
TOTAL:	40 %	0 %	60 %	0 %	100 %																										
EXPENDITURE SCHEDULE (X \$1,000): <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">PRIOR YEARS:</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> <th>FY</th> </tr> <tr> <th style="text-align: left;">TOTAL</th> <th>2015</th> <th>2016</th> <th>2017</th> <th>2018</th> <th>2019</th> <th>2020</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td style="text-align: right;">\$60</td> <td style="text-align: right;">\$300</td> <td style="text-align: right;">\$100</td> <td style="text-align: right;">\$100</td> <td style="text-align: right;">\$100</td> <td style="text-align: right;">\$40</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$700</td> </tr> </tbody> </table>								PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY	TOTAL	2015	2016	2017	2018	2019	2020	Total	\$60	\$300	\$100	\$100	\$100	\$40	\$0	\$700
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY																								
TOTAL	2015	2016	2017	2018	2019	2020	Total																								
\$60	\$300	\$100	\$100	\$100	\$40	\$0	\$700																								

CIP Number: P2540

PROJECT SCHEDULE:

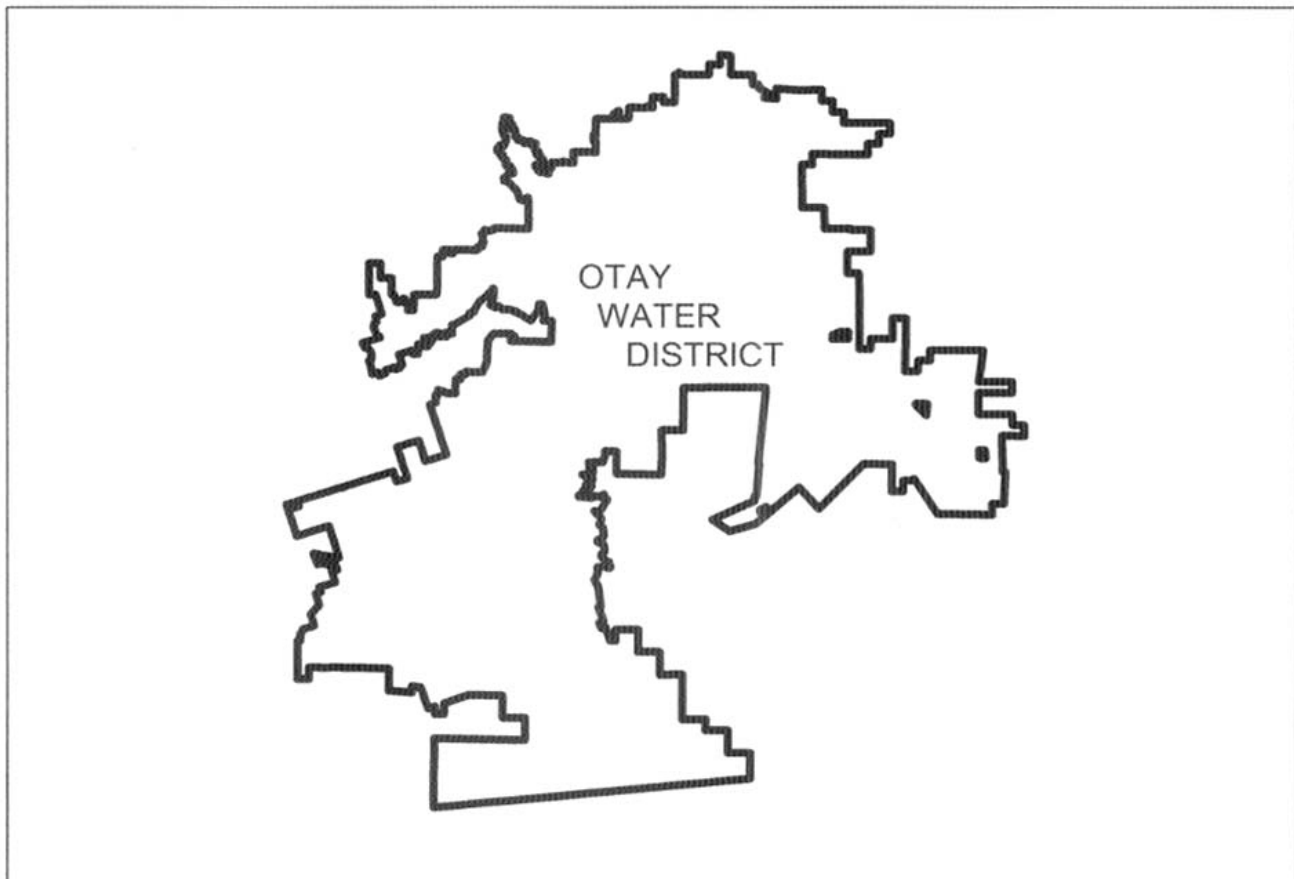
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2013	6/30/2019	\$700

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 5/2/2014

PROJECT TITLE: RecPL - 8-Inch, 680 Zone, Heritage Road - Santa Victoria/Otay Valley		CIP Number: R2028	
		DIRECTOR DIVISION:	2
PROJECT MANAGER:	Dan Martin	I.D. LOCATION:	22
ORIGINAL APPROVED DATE:	6/23/2008	PRIORITY:	2
RELATED CIP PROJECTS:	R2082, R2084	BUDGET AMOUNT:	\$600,000

DESCRIPTION OF PROJECT:

 Construction of approximately 7,000 feet of 8-inch pipeline within the 680 Pressure Zone in Heritage Road between the last lot using recycled water and Otay Valley Road. This project will be constructed by the developer and will reimburse the developer for the incremental pipeline construction cost from a 6-inch pipeline to an 8-inch pipeline per Board policy.

JUSTIFICATION OF PROJECT:

 This project will provide transmission capacity for development of Otay Ranch and other areas within the 680 and higher pressure zones. Funding opportunity is the United States Bureau of Reclamation Water Reclamation and Reuse Program, Title XVI of P.L. 102-575.

COMMENTS:

 No budget in FY 2014

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	2015	2016	2017	2018	2019	2020	Total
\$0	\$1	\$1	\$1	\$597	\$0	\$0	\$600

CIP Number: R2028

PROJECT SCHEDULE:

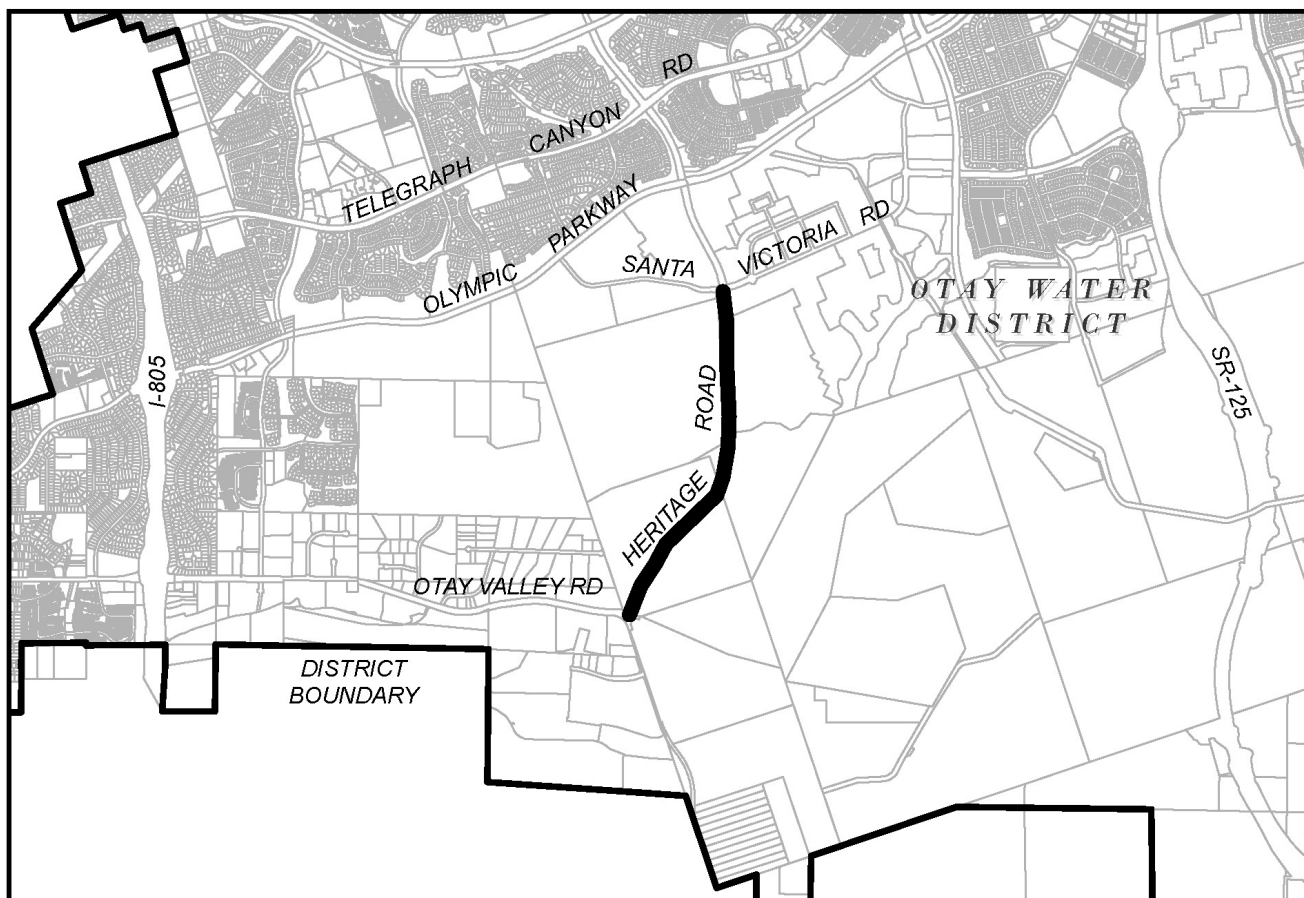
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	1/1/2006	6/1/2018	\$1
DESIGN:	7/1/2018		\$89
CONSTRUCTION:	7/1/2018	12/31/2018	\$510

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 82



Submitted By: Bob Kennedy

Date: 4/10/2014

PROJECT TITLE: RecPL - 8-Inch, 927 Zone, Rock Mountain Road - SR-125/EastLake		CIP Number: R2042	
		DIRECTOR DIVISION:	2
PROJECT MANAGER:	Dan Martin	I.D. LOCATION:	22
ORIGINAL APPROVED DATE:	6/2/2004	PRIORITY:	3
RELATED CIP PROJECTS:		BUDGET AMOUNT:	\$140,000

DESCRIPTION OF PROJECT:

 Construction of approximately 2,500 feet of 8-inch pipeline within the 944 Pressure Zone in Rock Mountain Road from State Route 125 to EastLake Parkway. This project will be constructed by the developer and District will reimburse the developer for the incremental pipeline construction cost from a 6-inch pipeline to an 8-inch pipeline per Board policy.

JUSTIFICATION OF PROJECT:

 This project will provide transmission capacity for development of Otay Ranch and other areas within the 927 Pressure Zone. Funding opportunity is the United States Bureau of Reclamation Water Reclamation and Reuse Program, Title XVI of P.L. 102-575.

COMMENTS:

 No budget in FY 2014

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	2015	2016	2017	2018	2019	2020	Total
\$0	\$1	\$1	\$15	\$123	\$0	\$0	\$140

CIP Number: R2042

PROJECT SCHEDULE:

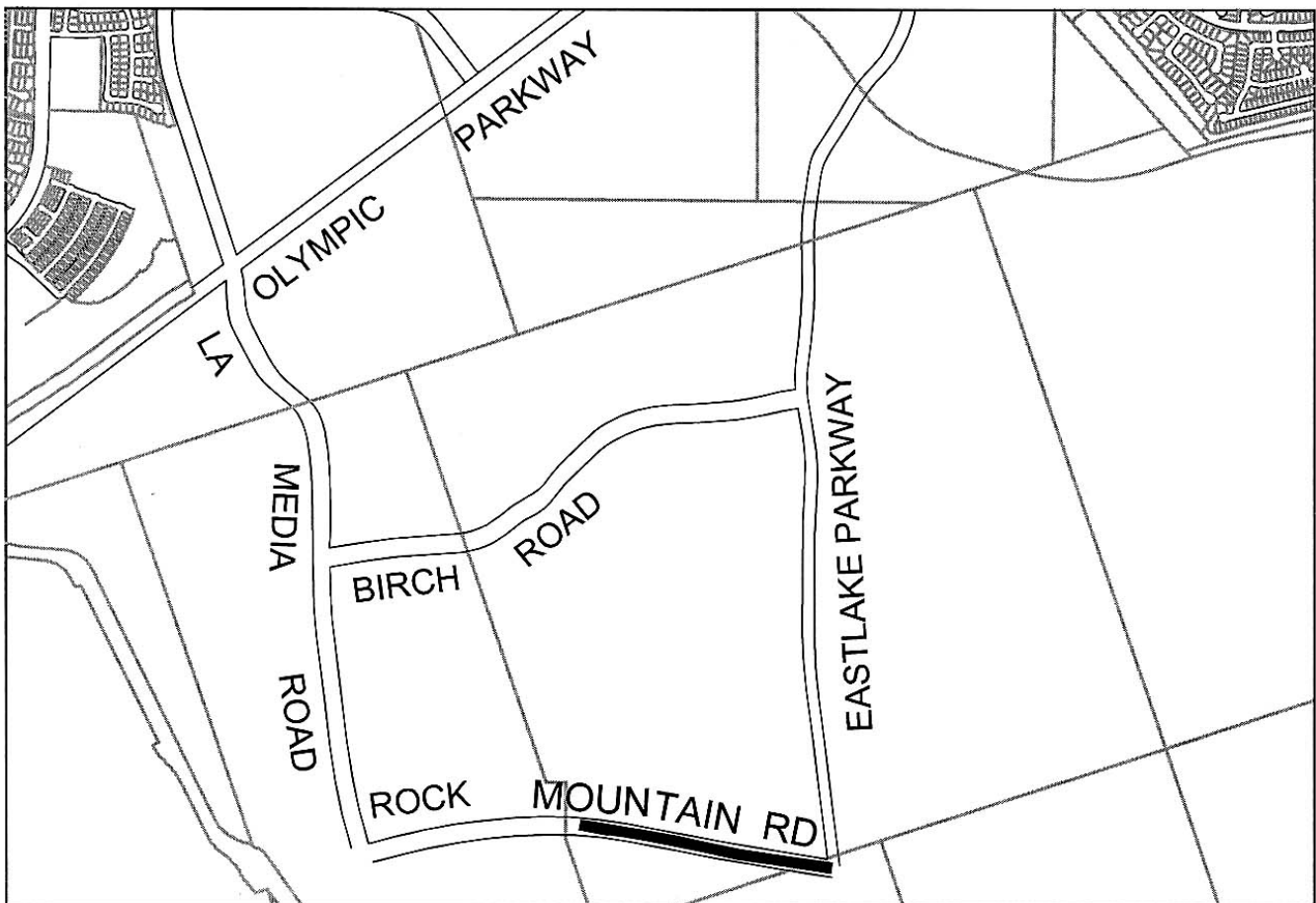
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2006	6/1/2018	\$2
DESIGN:	7/1/2016		\$15
CONSTRUCTION:	7/1/2018	6/30/2019	\$123

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 84



Submitted By: Bob Kennedy

Date: 5/2/2014

PROJECT TITLE: RecPL - 12-Inch, 680 Zone, La Media Road - Birch/Rock Mountain		CIP Number: R2047	
		DIRECTOR DIVISION:	2
PROJECT MANAGER:	Dan Martin	I.D. LOCATION:	22
ORIGINAL APPROVED DATE:	6/2/2004	PRIORITY:	3
RELATED CIP PROJECTS:		BUDGET AMOUNT:	\$450,000

DESCRIPTION OF PROJECT:

 Construction of approximately 4,900 feet of 12-inch pipeline within the 680 Pressure Zone in La Media Road from Birch Road to Rock Mountain Road. This project will be constructed by the developer and District will reimburse the developer for the incremental pipeline construction cost from a 6-inch pipeline to a 12-inch pipeline per Board policy.

JUSTIFICATION OF PROJECT:

 This project will provide transmission capacity for development of Otay Ranch and other areas within the 680 and 927 Pressure Zones. Funding opportunity is the United States Bureau of Reclamation Water Reclamation and Reuse Program, Title XVI of P.L. 102-575.

COMMENTS:

 No budget in FY 2014

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	2015	2016	2017	2018	2019	2020	Total
\$0	\$1	\$50	\$399	\$0	\$0	\$0	\$450

CIP Number: R2047

PROJECT SCHEDULE:

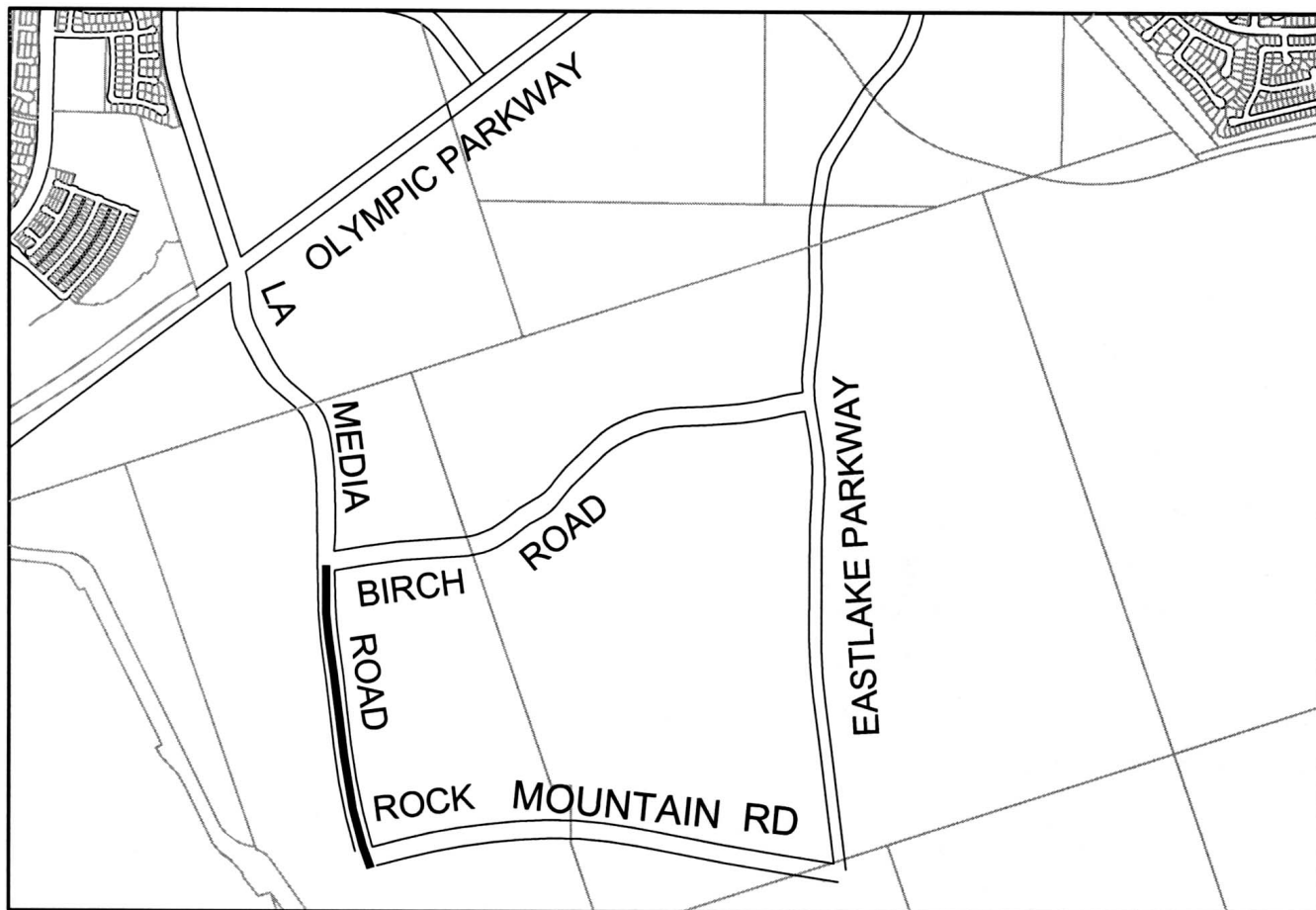
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2006	6/30/2015	\$1
DESIGN:	7/1/2015	6/30/2016	\$50
CONSTRUCTION:	7/1/2016	6/30/2017	\$399

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	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: 84



Submitted By: Bob Kennedy

Date: 5/2/2014

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

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

 Developer driven project. No major activity anticipated between FY 2014 - FY 2017.

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	2015	2016	2017	2018	2019	2020	Total
	\$1	\$1	\$1	\$1,000	\$743	\$0	\$1,747

CIP Number: R2082

PROJECT SCHEDULE:

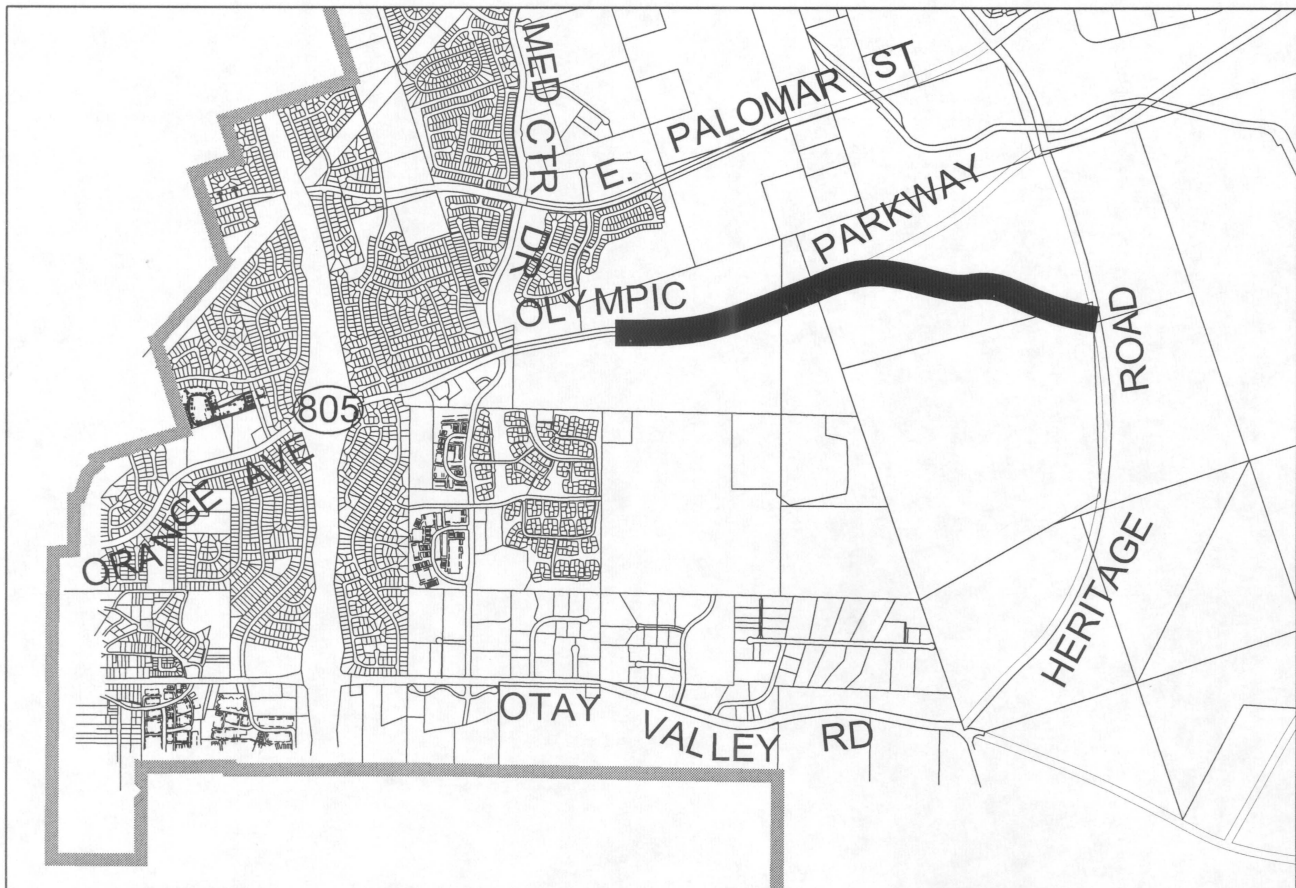
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2004	6/1/2018	\$2
DESIGN:	7/1/2018		\$75
CONSTRUCTION:	7/1/2018	12/31/2019	\$1,670

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	Total
MAINT:	\$0	\$0	\$0	\$0	\$1,200	\$0	\$1,200
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 82



Submitted By: Bob Kennedy

Date: 5/2/2014

PROJECT TITLE: RecPL - 20-Inch, 680 Zone, Heritage Road - Village 2/Olympic				CIP Number: R2083			
				DIRECTOR DIVISION:		1	
PROJECT MANAGER:		Dan Martin		I.D. LOCATION:		22	
ORIGINAL APPROVED DATE:		6/2/2004		PRIORITY:		2	
RELATED CIP PROJECTS:		R2082, R2084		BUDGET AMOUNT:		\$400,000	

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

 Developer driven project. No major activity anticipated between FY 2014 - FY 2018.

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	2015	2016	2017	2018	2019	2020	Total
\$0	\$1	\$1	\$1	\$1	\$396	\$0	\$400

CIP Number: R2083

PROJECT SCHEDULE:

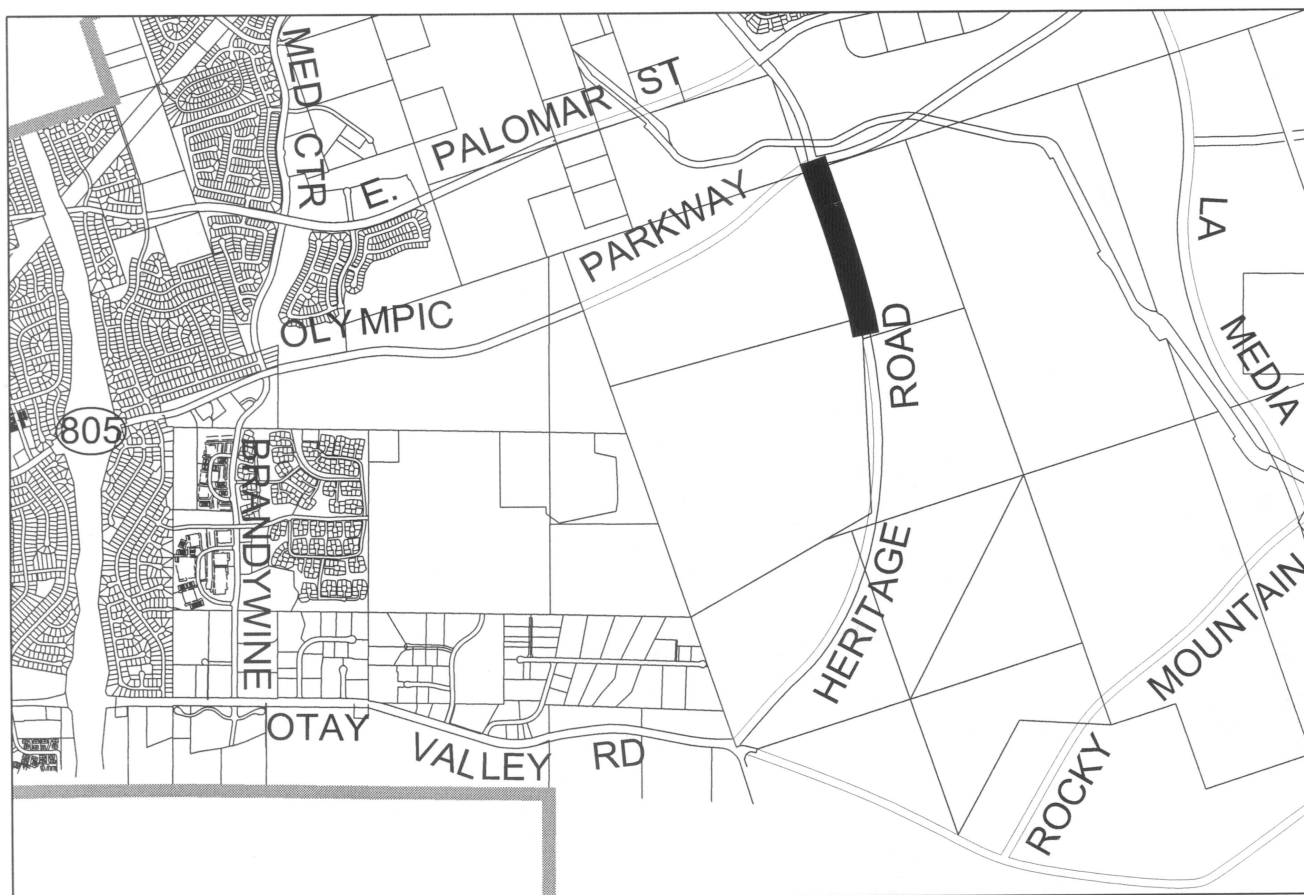
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2004	6/30/2017	\$1
DESIGN:	7/1/2017	6/30/2018	\$4
CONSTRUCTION:	7/1/2019	6/30/2019	\$395

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	Total
MAINT:	\$0	\$0	\$0	\$0	\$700	\$0	\$700
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 82



Submitted By: Bob Kennedy

Date: 5/2/2014

PROJECT TITLE: RecPL - 20-Inch, 680 Zone, Village 2 - Heritage/La Media				CIP Number: R2084			
				DIRECTOR DIVISION:		1	
PROJECT MANAGER:		Dan Martin		I.D. LOCATION:		22	
ORIGINAL APPROVED DATE:		6/2/2004		PRIORITY:		3	
RELATED CIP PROJECTS:		R2083, R2085		BUDGET AMOUNT:		\$970,000	

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

 Developer driven project. No major activity anticipated between FY 2014 - FY2017.

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	2015	2016	2017	2018	2019	2020	Total
\$0	\$1	\$1	\$1	\$350	\$617	\$0	\$970

CIP Number: R2084

PROJECT SCHEDULE:

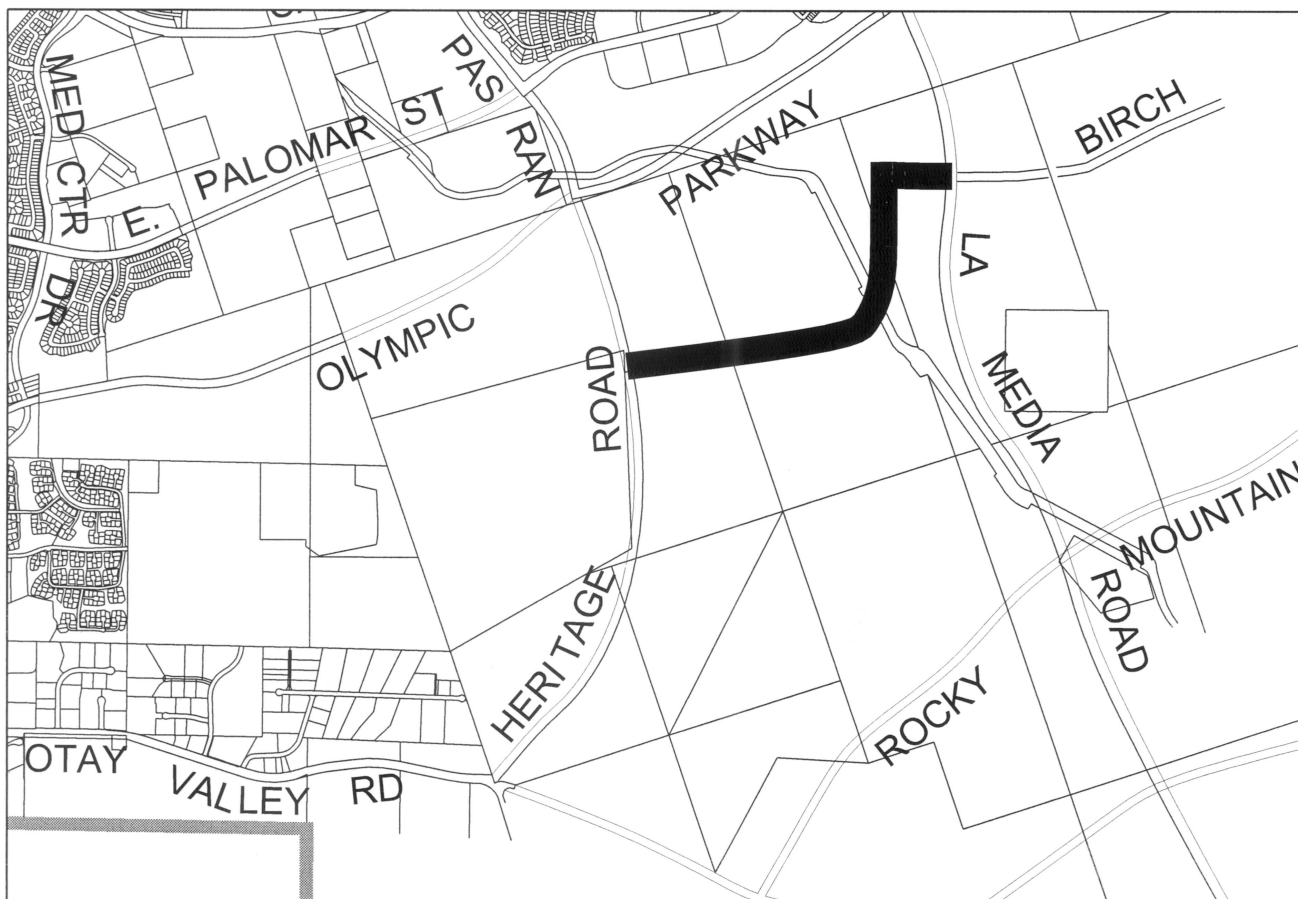
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2004		\$1
DESIGN:	7/1/2017	12/31/2017	\$3
CONSTRUCTION:	1/1/2018	6/30/2019	\$966

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	Total
MAINT:	\$0	\$0	\$0	\$0	\$1,900	\$0	\$1,900
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 82



Submitted By: Bob Kennedy

Date: 5/2/2014

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

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

 Developer driven project. No major activity anticipated between FY 2014 - FY 2018.

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	2015	2016	2017	2018	2019	2020	Total
	\$0	\$1	\$1	\$1	\$596	\$0	\$600

CIP Number: R2085

PROJECT SCHEDULE:

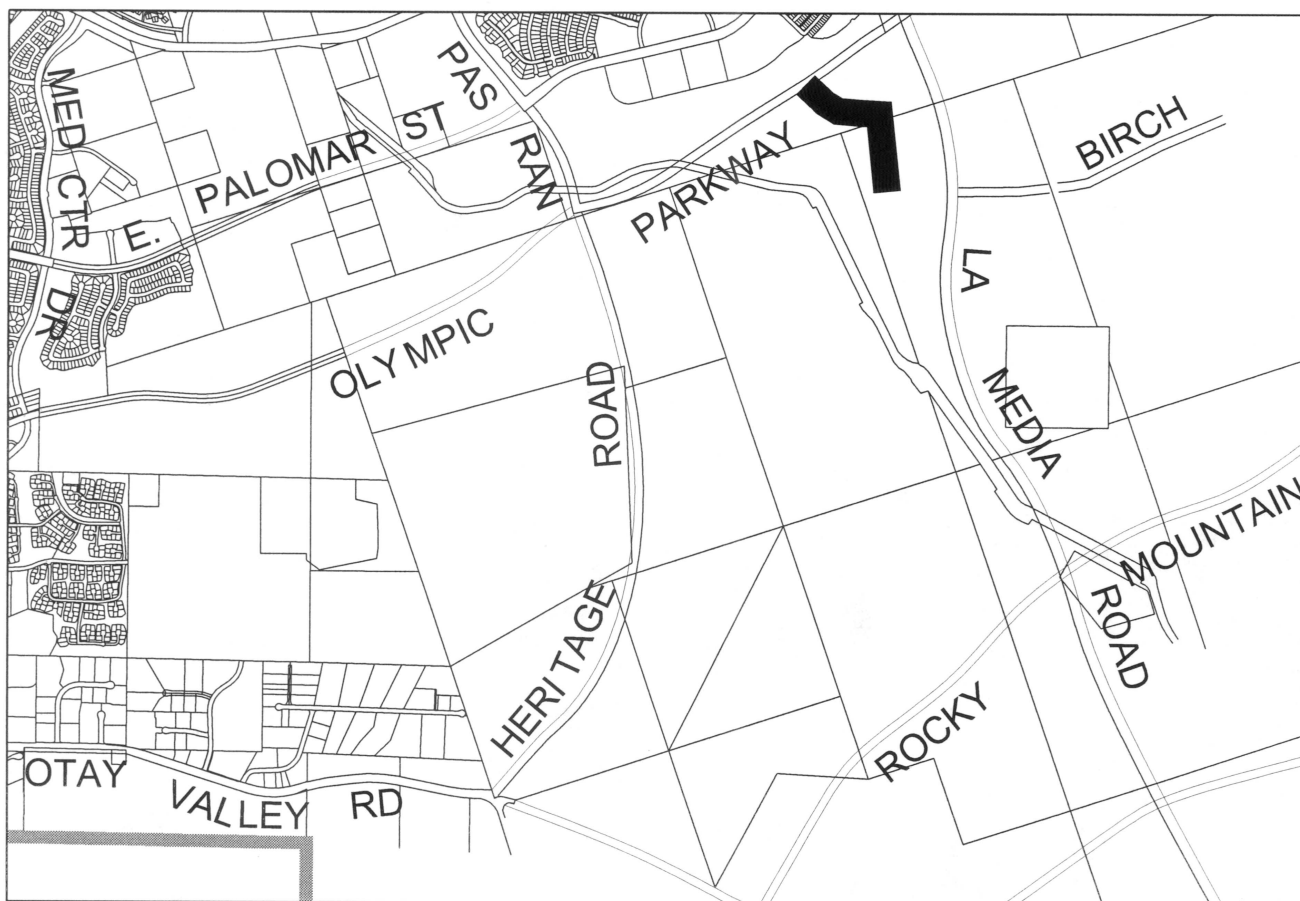
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2013	6/30/2017	\$1
DESIGN:	7/1/2017	6/30/2018	\$3
CONSTRUCTION:	7/1/2018	6/30/2019	\$596

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2015	2016	2017	2018	2019	2020	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$1,300	\$1,300
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 82



Submitted By: Bob Kennedy

Date: 5/2/2014

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	IMPROVEMENT DISTRICT (ID)	CAPACITY FEE (1)
Capacity Fee Section 28.01	All IDs excluding Triad	\$8,237.03
Triad Capacity Fee	ID 22/27	\$6,164.32
New Water Supply Fee	All IDs	\$949.03

(1) This is based on a 3/4 inch water meter effective 7/1/2014.

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

www.otaywater.gov, Engineering, Public Services, Fees & Deposits, Effective 7/1/14.

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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