

OTAY WATER DISTRICT
SPECIAL MEETING OF THE BOARD OF DIRECTORS
DISTRICT BOARDROOM

2554 SWEETWATER SPRINGS BOULEVARD
SPRING VALLEY, CALIFORNIA

MONDAY
May 23, 2016
3:00 P.M.

AGENDA

1. ROLL CALL
2. PLEDGE OF ALLEGIANCE
3. APPROVAL OF AGENDA
4. PUBLIC PARTICIPATION – OPPORTUNITY FOR MEMBERS OF THE PUBLIC TO SPEAK TO THE BOARD ON ANY SUBJECT MATTER WITHIN THE BOARD'S JURISDICTION BUT NOT AN ITEM ON TODAY'S AGENDA

WORKSHOP

5. ADOPT RESOLUTION NO. 4302 TO APPROVE THE FY 2016-2017 OPERATING AND CAPITAL BUDGET; APPROVE FUND TRANSFERS FOR POTABLE, RECYCLED, AND SEWER; APPROVE WATER AND SEWER RATE CHANGES ON ALL BILLINGS THAT BEGIN IN CALENDAR YEAR 2017 (THIS MAY INCLUDE SOME SERVICES PROVIDED IN DECEMBER 2016); ADOPT THE SALARY SCHEDULE; ADOPT ORDINANCE NO. 555 AMENDING THE CODE OF ORDINANCES APPENDIX A WITH THE PROPOSED WATER AND SEWER RATE CHANGES; AND DIRECT STAFF TO SEND RATE INCREASE NOTICES (KOEPPEN)
6. ADJOURNMENT

AGENDA ITEM 5



STAFF REPORT

TYPE MEETING:	Special Board Meeting	MEETING DATE:	May 23, 2016
SUBMITTED BY:	Kevin Koeppen, Finance Manager	PROJECT:	DIV.NO. All
APPROVED BY: (Chief)	<input checked="" type="checkbox"/> Joseph R. Beachem, Chief Financial Officer <input checked="" type="checkbox"/> German Alvarez, Assistant General Manager <input checked="" type="checkbox"/> Mark Watton, General Manager		
SUBJECT:	Adopt Resolution No. 4302 to Approve the FY 2016-2017 Operating and Capital Budget; Approve Fund Transfers for Potable, Recycled, and Sewer; Approve Water and Sewer Rate Changes on All Billings that Begin in Calendar Year 2017 (this may include some services provided in December 2016); Adopt the Salary Schedule; Adopt Ordinance No. 555 Amending the Code of Ordinances Appendix A with the Proposed Water and Sewer Rate Changes; and Direct Staff to Send Rate Increase Notices		

GENERAL MANAGER'S RECOMMENDATION:

That the Board adopt Resolution No. 4302 to approve the FY 2016-2017 Operating and Capital Budget; approve fund transfers for potable, recycled, and sewer; approve water and sewer rate changes on all billings that begin in calendar year 2017 (this may include some services provided in December 2016); adopt the Salary Schedule; adopt Ordinance No. 555 amending the Code of Ordinances Appendix A with the proposed water and sewer rate changes; and direct staff to send rate increase notices.

Below are the fund transfers for approval:

Recycled:

Designated Replacement to Designated Expansion \$232,900

Sewer:

Designated Replacement to Designated Betterment \$ 32,800

Total \$265,700

PURPOSE:

Adopt Resolution No. 4302 to approve the FY 2016-2017 Operating and Capital Budget; approve fund transfers for potable, recycled, and sewer; approve water and sewer rate changes on all billings that begin in calendar year 2017 (this may include some services provided in December 2016); adopt the Salary Schedule; adopt Ordinance No. 555 amending the Code of Ordinances Appendix A with the proposed water and sewer rate changes; and direct staff to send rate increase notices of 5.0% for water and 3.0% for sewer.

BACKGROUND:

Each year, the District goes through a rate setting process with new challenges. The process begins in January and ends with the implementation of rates the following January.

Staff has made every effort to present the most realistic set of factors and assumptions based on information received from various sources including: the wholesale water suppliers, the Metropolitan Water District of Southern California (MWD), the San Diego County Water Authority (CWA), and the City of San Diego; vendors such as SDG&E; and an economic report prepared by an Economist. The information above was utilized in addition to other economic indicators affecting taxes and revenues such as inflation and interest rates.

Staff has prepared the proposed Operating and Capital Budget with the proposed water and sewer rates pending adoption by the Board.

DISCUSSION:

The challenges affecting water rates this year are:

- Drought and the Governor's Mandate
- Anticipated continued conservation levels
- Water cost increases

On May 5, 2015, the State Water Board adopted California Code of Regulations, title 23, section 866 and re-adopted sections 863, 864, and 865. Otay has successfully achieved its targeted FY 2016 conservation of 20%. On February 2, 2016, the State Water Board extended mandatory conservation measures, but also approved supply credits toward meeting the conservation target.

Otay received a supply credit related to water supplied by the Carlsbad desalination plant which reduced the conservation target to 12%. With an estimated 18% conservation, the District's FY 2017 budgeted volumes will exceed the mandated 12% conservation target.

The District experienced a significant reduction in water sales volume in FY 2016 from the prior year's water sales and has not experienced water volume levels this low since the 2000 to 2001 timeframe. Predicting changes in conservation levels, weather patterns, and growth are key challenges of the budget process. Based on the research performed including, input from the CWA, other local agencies, and rate setting consultants, staff concluded that a significant portion of the conservation based reduction will likely be permanent. In addition, the National Weather Service is predicting a la Niña in FY 2017, which signifies below average rainfall for the season. As a result of these factors, staff is predicting water volumes will remain relatively flat in the upcoming fiscal years. For fiscal year 2016, staff is projecting potable water sales of 10.7 million units, which will be 9% below FY 2016 budgeted volumes. Fiscal year 2016 projected recycled water sales of 1.51 million units will be 12% below budgeted volumes. The FY 2017 budget was prepared estimating water volumes will increase 1% from their FY 2016 projected volumes to 10.8 million units of potable water and 1.53 million units of recycled water.

Due to the expanded conservation efforts, it is anticipated that a significant portion of the water volume reduction will be permanent and future increases in water volumes will be driven largely by growth. As a result, the six-year rate model includes an additional 1% volume increase in FY 2018 due to drought recovery. Increases in water sales, due to growth, are estimated to average approximately 1.1% annually from FY 2018 to FY 2022. These modest figures for drought recovery and growth were used to ensure adequate margins are achieved to support the recovery of the District's financial position from the decline experienced as a result of the drought.

The focus on the sewer side remains the funding of the Capital Improvement Program (CIP) costs. The replacement and rehabilitation CIP costs total \$17.7 million over the next six years. Staff is recommending the District obtain a \$3.0 million loan from the State Revolving Fund (SRF) to fund a portion of the CIP. This loan will reduce the CIP burden on rates and assist in matching the cash flow of the CIP with the timing of CIP benefits.

Strategic Planning and Internal Cost Cutting

In addition to the budget and rate setting process, the District's focus on strategic planning has played a positive role in the financial strength of the District. By managing staffing, automating processes, and implementing Best Management Practices, the District has become more efficient and cost effective.

Operating Budget

The proposed FY 2016-2017 budget covers CWA and the City of San Diego increases in water costs, as well as increases in power costs from SDG&E. This budget supports the Capital Budget and strategic objectives under the reduced water sales volumes. An objective in the current budget was to return the District's financial position to targeted levels. The proposed budget presents an average 5.0% water rate increase for FY 2017. The rate model projects the following increases for water in fiscal years 2018 through 2022: 5.0%, 3.8%, 3.7%, 3.7%, and 3.7%, respectively. These increases will return the District's debt coverage ratios and reserves to targeted levels.

For sewer customers the rate model presents an average annual increase of 3.0% for FY 2017 through FY 2020 and 2.0% for FY 2021 and FY 2022. The FY 2017 average sewer rate increase will be entirely offset by a reduction in winter average usage and the expiration of the revenue recapture, resulting in a \$0.88 monthly decrease for the typical residential customer. When combined with the SRF loan, these increases will maintain the reserves and debt coverage at or above targeted levels.

Debt Coverage and Credit Ratings

The debt coverage ratio is the ratio of net revenues to debt service.

The District historically has a "no growth" debt coverage target and bond covenant of 150% and 100%, respectively. The "no growth" debt coverage ratio excludes capacity fees from the net revenues used in the calculation. The District achieved a "no growth" debt coverage ratio of 180% in FY 2014 and 168% FY 2015. Staff is projecting a "no growth" debt coverage ratio of 123% in FY 2016, which is below target, but remains above the 100% bond covenant. One of the FY 2017 budget objectives is to return the "no growth" debt coverage ratio to targeted levels which has been achieved with this budget.

There is also a 125% "with growth" minimum debt coverage ratio, as defined in the bond covenants, which includes capacity fees omitted from the "no growth" calculation. The District achieved "with growth" bond covenant ratios of 196% in FY 2014 and 199% FY 2015. Staff is projecting a "with growth" bond covenant debt ratio of 142% in FY 2016, which is above the minimum required by the District's bond covenants. The proposed FY 2017 budget maintains the District's "with growth" debt coverage ratio above the level required by the bond covenants.

The District currently maintains a split AA/AA- credit rating, which is comprised of a 'AA' rating from Standard & Poor's (S&P) and a 'AA-' rating from Fitch Ratings (Fitch). A credit rating is an overall rating that considers many factors and debt coverage is one of the main financial factors. These ratings are all related to the District's water side of the business. No credit rating is issued for the District's sewer system. In September 2008, the District received a rating upgrade from S&P to 'AA' from 'AA-' as part of their global rating recalibration for municipal agencies. In March 2012, Fitch lowered their credit rating for the District from 'AA' to 'AA-', based on lower-than-budgeted water revenues and a corresponding lower debt coverage ratio.

In April 2016, S&P affirmed the District's 'AA' rating with a stable outlook. The affirmed outlook was based on good historical coverage metrics, a strong liquidity position, moderate leverage, and strong financial management policies and practices. S&P could take a positive rating action if the District is able to materially widen margins and provide stronger levels of coverage on a basis that S&P believes to be sustainable. They could take a negative action if water demand softens or rate increases are not approved as expected, leading to thinner margins and weaker coverage metrics, or if the District's liquidity position is significantly drawn down.

In February 2016, Fitch affirmed the District's 'AA-' rating. The affirmed rating was based on the District's willingness to raise rates in support of cost recovery, strong cash reserves, moderate leverage, and capital needs. This rating also recognized the anticipated declines in both water sales and margins due to the drought.

The District does not anticipate the need to issue debt for water infrastructure in the next six years. Using the current

budget objectives, the District's financial performance will yield good levels prior to any debt issued beyond six years.

The financial strength of the District's sewer business is evaluated separately from the water business. While the District currently has no sewer related debt, staff is proposing a \$3.0 million SRF loan. This loan would not adversely impact the financial position or coverage metrics in any significant manner; however, the loan does require a 110% coverage ratio. The current budget projects the debt coverage ratio for sewer will increase from of 346% to 364% within the six-year period, which is well above the SRF loan requirement.

Financing Plan

The District uses a comprehensive approach to financing. The Debt Policy provides guidance on debt issuances and refinancing. The Reserve Policy provides guidance on both fund transfers and reserve balances. With these policies, a six-year financing plan is formulated that identifies the timing and amounts of debt issuances, the level of rate increases, debt coverage ratios, reserve balances, and necessary transfers.

Future debt issuances are highly dependent on the rate at which growth returns to the District and how management responds to these variables. Growth is expected to gradually return and provide funding for CIPs through higher capacity fees. In FY 2017, the CIP is supported by \$265,700 of the requested transfers.

With the proposed transfers and rate increases, the District will be able to maintain all reserve levels at or above target in the coming fiscal years.

Relative Position to Other Districts

The District performs an annual countywide survey of the water provider rates. For many years the District has remained in the lower half of this comparison. Depending on their relative dependence on CWA water, it is expected that all water providers in the county are facing the same rate pressures by purchasing water from CWA and MWD. The few water districts which have already commented on their rate increases, are looking at implementing increases averaging approximately 6.2%. The District's survey, shown in the attached presentation, illustrates the average District customer, using 11 units, will

be charged the 11th lowest rates when compared to all 22 agencies in the county.

The District also performs an annual survey comparing its sewer rates to other sewer providers in the county. The District's survey, shown in the attached presentation, illustrates an average residential sewer customer will be charged the 4th lowest rates when compared to all 28 agencies in the county.

Rate Implementation - Water

The rate increase of 5.0% is being proposed for both potable and recycled customers. This average increase is composed of a number of changes to various rates at differing amounts. The California Urban Water Conservation Council has established BMP 1.4 to define Best Management Practices for retail conservation pricing. A component of the BMP recommends that fixed revenues not exceed 30% of total applicable revenues. Due to the decline in water sales volumes, the District is projecting it would have exceeded the 30% threshold in FY 2016 and is therefore recommending rate rebalancing that will bring the fixed revenue percentage back to the 30% defined in the BMP. This rebalancing will occur by shifting \$1.1 million of fixed rate revenue to the variable rates. This rebalancing is done through a reduction in system fees for all customers.

Staff is proposing the MWD and CWA pass-through charges be increased by \$0.6 million, or 4.9%, to ensure that fixed revenue collections match the fixed costs charged to the District by our water providers. The total components of MWD and CWA fixed charges are shown below:

Customer Service Charge	\$ 1,714,200
Emergency Storage Charge	4,579,800
Reliability Charge	1,848,000
Infrastructure Access Charge	1,976,400
Capacity Reservation Charge	988,800
Readiness-to-Serve Charge	1,428,000
Total MWD & CWA Fixed Charges	\$12,535,200

Rate Implementation - Sewer

In FY 2016, no sewer rate increase was projected for FY 2017 based on cost estimates at that time. This year, the proposed rate increase has changed to 3.0%. The primary cause of the necessary rate increases is due to a \$4.0 million increase in the six-year CIP plan, which is for implementing new regulatory

requirements, and the replacement and rehabilitation of capital projects.

Water Sales

Using the modest figures for drought recovery and growth, potable and recycled water sales are budgeted to be \$72.2 million and \$8.9 million, respectively. This is a 3.5% increase in potable water sales and a 2.4% decrease in recycled water sales versus the FY 2016 budget. When compared to the FY 2016 projection, FY 2017 potable water sales are increasing \$6.8 million or 10.4% and recycled water sales are increasing \$1.1 million or 13.4%.

The January 1, 2017 proposed potable and recycled water increases of 5.0% will generate additional revenue of \$1.7 million. This increase is required to offset the FY 2017 proposed rate increases from CWA, MWD, and SDG&E. One hundred percent of the FY 2017 proposed rate increase is due to these third party cost increases. The District has been successful in managing and reducing its own internal costs through strategic planning initiatives. This, along with the prior year rate increases and changes in budgeted water sales volume, increased the budgeted potable and recycled water sales by \$2.2 million versus the FY 2016 budget.

The sewer budgeted revenues are expected to decrease \$0.3 million or 9.0% versus last year's budget due to the 3.0% proposed rate increase offset by the expiration of the revenue recapture and the decline in the winter averages due to conservation.

Other changes in the revenues include the following:

- Capacity fee revenues funding operating expenses are expected to increase \$113,400 or 10.0%, due to increases as major planning projects are completed.
- Property tax revenues are expected to increase \$135,200 or 3.5%.
- Non-operating revenues are expected to increase \$305,700 or 16.3%, due to an anticipated reimbursement agreement with Pio Pico and increases in rents and leases.

Water Costs

For FY 2017, potable and recycled water costs are budgeted to be \$43.8 million and \$3.6 million, respectively. Water costs represent 52% of the District's Operating Budget and any changes in the wholesale water price has a significant impact on the overall operating budget. Increases in water costs from suppliers, CWA and MWD, are one of the most significant challenges for FY 2017. Similar to Otay, both of the District's water suppliers have experienced lower water sales affecting their financial position, thus putting more pressure on rates. This has resulted in a potable water cost increase of 7.1% versus FY 2016 budget and 4.5% versus the FY 2016 projection. The net potable water cost decrease of \$0.5 million is comprised of a \$2.5 million decrease due to the reduced water volumes, offset by a \$2.0 million increase due to supplier pricing.

Effective January 1, 2016, the City of San Diego recycled water rate increased 116.3% from \$0.80/hcf to \$1.73/hcf. This increase is the primary reason recycled water purchases are budgeted to increase \$1.9 million versus the FY 2016 budget. It should be noted that \$1.8 million of this additional cost was offset by the March 1, 2016 rate increase and is not a large component of the 5.0% proposed January 1, 2017 water rate increase. In addition to the price increase, the take-or-pay contractual volumes are also increasing, which results in an additional cost of \$0.1 million in FY 2017.

Power Costs

Power costs of \$2.9 million for water and sewer are budgeted to decrease \$174,800 or 5.6% versus the FY 2016 budget. This is due to the decrease in the FY 2017 water volume budget and is partially offset by a 2.0% anticipated price increase from SDG&E.

Labor and Benefits

The District has, through strategic planning, reduced the FTE count by 23% from 174.75 in FY 2007 to 138.0 in FY 2016, and has budgeted to reduce the FTEs to 135 in FY 2017. The reduction in FTE's has saved the District \$30.1 million over this ten year period. In addition, the District will recognize future savings in pension costs with the reduced staffing levels. Labor and benefit costs of \$20.9 million are expected to increase, versus the FY 2016 budget, by \$518,900 or 2.5%. These changes are due to the following:

- Increase in salaries and benefits of \$341,300 or 3.0%, due to COLA and in-range salary adjustments, consistent with the negotiated Memorandum of Understanding.
- Increases in overtime, vacancy, vacation/sick, temp labor, and workers compensation of \$206,100 or 1.7%
- Increase in pension costs of \$276,300 or 7.1%
- Increase in health care costs of \$246,300 or 6.1%
- Increase due to staff advancements of \$41,500 or 0.3%
- Increases in other benefits, such as social security and Medicare of \$14,500 or 1.5%.
- Decrease of \$336,300 or 1.0% due to a reduction of three FTEs.
- Decrease in OPEB costs of \$186,000 or 13%
- Decrease in operating labor charges of \$84,800 or 3.6% due to an increase in the allocation of internal labor to CIP projects.

Salary Schedule

While the General Manager has authority to set salaries pursuant to 2.01 of the Code of Ordinances, recent legislation, namely California Code of Regulations (CCR) section 570.5, adopted and effective August 10, 2011, as well as a CalPERS circular letter clarifying section 570.5, require information regarding the compensation of public employees to be publicly available. Thus, in order to be in compliance with CCR 570.5, the District is required to have a publicly available salary schedule that "has been duly approved and adopted by the employer's governing body in accordance with requirements of applicable public meeting laws." As such, a copy of the Job Classification and Salary Schedule is included herein for Board approval (Exhibit 2). Although District salaries are already made public as a part of our NeoGov recruitment system, this salary schedule will be retained for public inspection for the required five years and posted to the District's webpage per requirements of CalPERS. Please note, that making such information publicly available does not in any way interfere with or change the General Manager's authority to set salaries pursuant to the authority granted to him. Accordingly, and consistent with such authority, the Board is requested to authorize the General Manager to update the salary schedule whenever necessary to reflect changes made within his authority.

Administrative Expenses

The administrative expenses budget of \$5.2 million is decreasing by \$237,700 or 4.4%, versus the FY 2016 budget, primarily due to the following:

- Decrease in Outside Services (\$225,000) or (13.6%), due to scaling back of the additional conservation of \$250,000 budgeted in FY 2016 for drought response funding, offset by increases due to the District performing Water and Sewer Capacity Fee studies in FY 2017.
- Decrease in Temp Services (\$102,400) or (84.5%), due to the elimination of the temp services SCADA tech and an HR temp.
- Decrease in Bad Debt Expense (\$50,000) or (32.3%), due to improvements in the past due notification process and economic recovery.
- Decrease in General Expenses of (\$30,200) or (8.0%), due to decreases in insurance, postage, and printing expenses.
- Decreases in other categories of (\$7,700) or (1.0%), due to several miscellaneous expense reductions.
- Increase in Fees of \$133,800 or 26.8%, primarily due to the State Water Resources Control Board (SWRCB) Division of Drinking Water (DDW) proposed increase in annual fees.
- Increase in Equipment of \$16,800 or 1.5%, mainly due to renewal of the SCADA software maintenance contract.
- Increase in Training of \$27,000 or 27.3%, mainly due to an increase in management training programs and new regulatory requirements.

Materials and Maintenance

The materials and maintenance budget of \$3.5 million is decreasing \$156,500 or 4.3%, due to the following:

- Decrease in Metro O & M of (\$160,000) or (19.6%), due to reduced flows and strength as a result of recent data analysis.
- Decrease in Safety Equipment of (\$74,800) or (58.8%), from FY 2016 budget, which included \$75k for EOC supply kits that were not re-budgeted in FY 2017.
- Decrease in Chemicals of (\$36,300) or (9.1%), due to lower water sales.
- Decrease in Fuel and Oil of (\$8,300) or (3.3%), due to lower fuel prices.

- Decrease in Other Materials & Supplies by (\$8,200) or (4.3%), due to the rescheduling of the leak detection program.
- Increase in Contracted Services of \$67,200 or 9.7%, due to \$75,000 increased landfill hauling, \$20,000 increased main break insurance deductible, and \$4,000 fence and gate repairs.
- Increase in Meters and Materials of \$45,400 or 39.9%, due to stepping-up the meter replacement program.
- Increase in Building & Grounds Materials of \$8,100 or 16.9%, due to small increases under \$2,000 in the safety supplies, paint, and erosion control categories.
- Increase in Infrastructure Equipment & Supplies of \$5,400 or 0.9%, due to water absorbent material for landfill disposal.
- Increase in Laboratory Equipment and Supplies of \$5,300 or 13.3%, due to annual required ELAP certification costing \$3,000 and increased drinking water sampling from 33 to 38 per week costing \$3,000.

Transfers

The requested transfers serve the purpose of ensuring the reserves are funded at target levels, in accordance with the Reserve Policy. There are two types of transfers the District can make. The first is the use of operating revenues to fund reserves and the second type is fund to fund transfers. Both types are meant to rebalance funds to target levels. The total fund to fund transfers requested separately in this staff report total \$265,700.

Capital Improvement Program (CIP) Budget

As a component of the annual budget development process, the Engineering staff updates the CIP Budget. This year, the total six-year CIP Budget of \$89.8 million is decreasing by \$6.5 million versus last year. This decrease is a result of completing many CIP projects, delays in developer projects, and reprioritizing some projects. The following process is used to prepare the CIP Budget:

- CIP projects selected are based on the Water Resources Master Plan (WRMP), the Urban Water Management Plan (UWMP), Sub Area Master Plan (SAMP), Integrated Water Resources

Plan (IRP), Sewer System Management Plan (SSMP), and other focused or specific planning documents and reports.

- The CIP goes through an iterative process to meet the criteria of growth, service levels, supply targets, and system requirements.
- CIP target expenditures for the next six years are refined and used in the rate model.

The following general criteria are used to determine the reasonableness of a project before it is considered for inclusion within the CIP Budget:

- Existing facility conditions
- Operating system conditions
- Water and sewer system deficiencies
- Regulatory and permitting requirements
- Developer driven requirements
- Economic outlook
- Growth projections
- Water supply diversification goals
- Board and management directives

This year, the CIP Budget includes the following amounts by project category. Project details within each of the categories are located in Exhibit 1 under the Capital Budget tab.

Capital Backbone	\$ 4.3
Replacement and Renewal	5.9
Capital Purchases	.5
Total (millions)	\$10.7

There are a total of 85 projects in the current year of the six-year CIP plan. Each project is listed in the FY 2017 Preliminary Operating and Capital Budget (Exhibit 1). The total six-year cost of the 85 projects plus 18 additional projects budgeted in FY 2018 through 2022 is \$89.8 million.

Sewer CIP includes \$17.7 million of rehabilitation and main replacement projects starting in FY 2017 and finishing in FY 2022. In order to fund these projects, the Sewer Fund will need to borrow funds beginning in FY 2017. The District has identified the SRF loan as the most economic lending facility. The SRF loan is a low interest loan offered by the State Water Resources Control Board for the construction of publicly-owned wastewater activities. To ensure the District qualifies for

this loan program in FY 2017, staff has begun reviewing the conditions of the SRF loan program and related sewer projects with the SWRCB.

FISCAL IMPACT: Joseph R. Beachem, Chief Financial Officer

A six-year rate modeling effort is one of the ways the District can better inform its customers, minimize financial risks, reduce rate impacts, and establish fiscal strength.

The recommended balanced Operating Budget totals \$91.7 million and the recommended CIP Budget totals \$10.7 million. With budget approval, the District will move forward into FY 2017 with clear financial direction and with rates that will rebuild and then maintain the District's financial strength at or above target levels.

Average water rate increases of 5.0% are recommended for all water services billed beginning January 1, 2017, and may include water used as early as December 1, 2016, depending on the billing cycle. An average sewer rate increase of 3.0% is recommended for sewer service billings beginning January 1, 2017.

This budget, with the recommended transfers, provides sufficient funding to pay increased water costs; continues funding for the District's administration, maintenance, and operations; and is consistent with the Strategic Plan and Reserve Policy.

STRATEGIC OUTLOOK:

The District ensures its continued financial health through long-term financial planning and debt planning.

LEGAL IMPACT:

None.

Attachments:

- A) Resolution No. 4302
 - Exhibit 1 - FY 2016-17 Preliminary Operating and Capital Budget
 - Exhibit 2 - Job Classification and Salary Schedule
- B) Ordinance No. 555
 - Exhibit 1 - Appendix A Strike-through
 - Exhibit 2 - Appendix A Proposed
- C) FY 2016-17 Budget Presentation
- D) The London Group Presentation

RESOLUTION NO. 4302

A RESOLUTION OF THE BOARD OF DIRECTORS OF
OTAY WATER DISTRICT ADOPTING THE
FISCAL YEAR 2016-2017
OPERATING AND CAPITAL BUDGET; AND THE JOB
CLASSIFICATION AND SALARY SCHEDULE

WHEREAS, the Otay Water District Board of Directors have been presented with a budget (Exhibit 1) for the operation of the Otay Water District for Fiscal Year 2016-2017; and

WHEREAS, the Fiscal Year 2016-2017 Operating and Capital Budget, has been reviewed and considered by the Board;

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

WHEREAS, in connection with the adoption of the budget, the Board is also being presented with a listing of job classifications and salary schedule (Exhibit 2) for its consideration, in order to comply with California Code of Regulations Section 570.5,

NOW, THEREFORE, BE IT RESOLVED, DETERMINED AND ORDERED by the Board of Directors of the Otay Water District that the Operating and Capital Budget for the operation of the District, incorporated herein by reference, is hereby adopted as the District's budget for Fiscal Year 2016-2017.

BE IT FURTHER RESOLVED that the Board hereby approves and adopts the salary schedule included with the budget and, consistent with his authority over employee compensation under both State law and the District's Code of Ordinances, authorizes the General Manager to update the salary schedule whenever necessary to reflect changes made within his authority.

PASSED, APPROVED AND ADOPTED by the Board of Directors of Otay Water District at a board meeting held this 23rd day of May 2016, by the following vote:

Ayes:
Noes:
Abstain:
Absent:

President

ATTEST:

District Secretary

OTAY WATER DISTRICT, Spring Valley, CA

Preliminary Operating and Capital Budget

Fiscal Year 2016-2017

Otay Headquarters 1956-1961



Headquarters 1978 to Present



Providing Sixty Years of Community Service



Headquarters 1962-1997

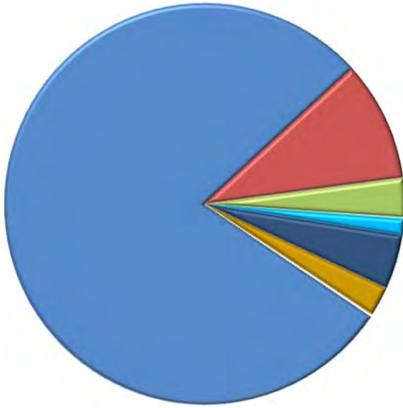


Operating Budget Summary - General Fund

	FY 2015	FY 2016		FY 2017	Budget to Budget Variance	
	Actual	Projected	Budget	Budget	\$	%
Revenues						
Potable Water Sales	\$ 70,281,989	\$ 65,450,075	\$ 69,783,700	\$ 72,238,600	\$ 2,454,900	3.5%
Recycled Water Sales	8,853,010	7,847,149	9,116,000	8,900,300	(215,700)	(2.4%)
Sewer Revenues	3,009,634	3,154,186	3,206,300	2,918,900	(287,400)	(9.0%)
Meter Fees	90,246	81,519	66,200	66,200	-	0.0%
Capacity Fee Revenues	1,312,108	1,333,993	1,134,800	1,248,200	113,400	10.0%
Betterment Fees for Maintenance	188,123	-	-	-	-	(100.0%)
Tax Revenues	3,814,516	4,081,516	3,897,900	4,033,100	135,200	3.5%
Non-operating Revenues	2,404,375	1,966,125	1,873,600	2,179,300	305,700	16.3%
Interest	128,599	96,708	157,500	156,900	(600)	(0.4%)
Transfer from Potable General Fund	553,800	-	-	-	-	(100.0%)
Total Revenues	\$ 90,636,400	\$ 84,011,271	\$ 89,236,000	\$ 91,741,500	\$ 2,505,500	2.8%
Expenditures						
Potable Water Purchases	\$ 33,952,017	\$ 28,882,714	\$ 32,332,100	\$ 31,271,300	(1,060,800)	(3.3%)
Recycled Water Purchases	1,360,807	1,848,699	1,705,800	3,615,900	1,910,100	112.0%
CWA - Infrastructure Access Charge	1,900,266	1,930,962	1,931,400	1,976,400	45,000	2.3%
CWA - Customer Service Charge	1,796,853	1,778,099	1,777,800	1,714,200	(63,600)	(3.6%)
CWA - Reliability Charge	-	950,168	950,400	1,848,000	897,600	94.4%
CWA - Emergency Storage Charge	4,720,701	4,681,730	4,681,800	4,579,800	(102,000)	(2.2%)
MWD - Capacity Reservation Charge	701,976	883,203	806,400	988,800	182,400	22.6%
MWD - Net RTS and Standby Charge	1,817,339	1,644,998	1,798,800	1,428,000	(370,800)	(20.6%)
Subtotal - Water Costs	\$ 46,249,959	\$ 42,600,573	\$ 45,984,500	\$ 47,422,400	\$ 1,437,900	3.1%
Power	\$ 3,048,335	\$ 2,866,383	\$ 3,112,800	\$ 2,938,000	\$ (174,800)	(5.6%)
Labor and Benefits	19,406,815	20,205,335	20,381,000	20,899,900	518,900	2.5%
Administrative Expenses	4,503,990	4,472,404	5,387,800	5,150,100	(237,700)	(4.4%)
Materials and Maintenance	3,339,777	3,368,157	3,612,800	3,456,300	(156,500)	(4.3%)
Subtotal - Operations Costs	\$ 30,298,917	\$ 30,912,279	\$ 32,494,400	\$ 32,444,300	\$ (50,100)	(0.2%)
Transfer to General Fund Reserve	-	-	-	1,482,500	1,482,500	0.0%
Expansion Reserve	2,538,900	2,695,800	2,695,800	4,093,600	1,397,800	51.9%
Betterment Reserve	3,530,000	2,400,000	2,400,000	3,466,400	1,066,400	44.4%
Replacement Reserve	3,270,200	3,421,000	3,421,000	464,500	(2,956,500)	(86.4%)
Transfer to Sewer General Fund	553,800	-	-	1,371,800	1,371,800	100.0%
OPEB Trust	647,100	1,006,000	1,006,000	961,000	(45,000)	(4.5%)
Potable General Fund	1,583,800	-	-	-	-	(100.0%)
Sewer Replacement	127,000	1,199,300	1,199,300	-	(1,199,300)	(100.0%)
New Supply Reserve	705,000	35,000	35,000	35,000	-	0.0%
Subtotal - Reserve Funding	\$ 12,955,800	\$ 10,757,100	\$ 10,757,100	\$ 11,874,800	\$ 1,117,700	10.4%
Total Expenditures	\$ 89,504,676	\$ 84,269,952	\$ 89,236,000	\$ 91,741,500	\$ 2,505,500	2.8%
Excess Revenues (Expenditures)	1,131,724	(258,681)	-	-	-	

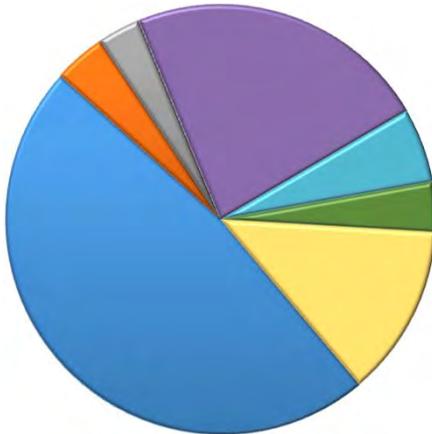
Operating Budget Summary - General Fund

FY 2017 OPERATING REVENUES



Potable Water Sales	\$ 72,238,600	78.7%
Recycled Water Sales	8,900,300	9.7%
Sewer Revenues	2,918,900	3.2%
Meter Fees	66,200	0.1%
Capacity Fee Revenues	1,248,200	1.4%
Tax Revenues	4,033,100	4.4%
Non-operating Revenues	2,179,300	2.3%
Interest	156,900	0.2%
Total	\$ 91,741,500	100.0%

FY 2017 OPERATING EXPENDITURES



Potable Water Purchases	\$ 43,806,500	47.8%
Recycled Water Purchases	3,615,900	3.9%
Power	2,938,000	3.2%
Labor and Benefits	20,899,900	22.8%
Administrative Expenses	5,150,100	5.6%
Materials & Maintenance	3,456,300	3.8%
Reserve Funding	11,874,800	12.9%
Total	\$ 91,741,500	100.0%

FY 2017 Operating Budget Summary by System

	Potable	Recycled	Sewer	Total
Revenues				
Water Sales	\$ 72,238,600	\$ -	\$ -	\$ 72,238,600
Recycled Water Sales	-	8,900,300	2,918,900	11,819,200
Sewer Revenues	-	-	-	-
Meter Fees	65,800	400	-	66,200
Capacity Fee Revenues	1,248,200	-	-	1,248,200
Tax Revenues	3,981,500	-	51,600	4,033,100
Non-operating Revenues	2,143,800	-	35,500	2,179,300
Interest	144,300	8,300	4,300	156,900
Total Revenues	\$ 79,822,200	\$ 8,909,000	\$ 3,010,300	\$ 91,741,500
Expenditures				
Water Purchases	\$ 31,271,300	\$ 3,615,900	\$ -	\$ 34,887,200
CWA - Infrastructure Access Charge	1,976,400	-	-	1,976,400
CWA - Customer Service Charge	1,714,200	-	-	1,714,200
CWA - Reliability Charge	1,848,000	-	-	1,848,000
CWA - Emergency Storage Charge	4,579,800	-	-	4,579,800
MWD - Capacity Reservation Charge	988,800	-	-	988,800
MWD - Net RTS and Standby Charges	1,428,000	-	-	1,428,000
Subtotal - Water Costs	\$ 43,806,500	\$ 3,615,900	\$ -	\$ 47,422,400
Power	2,194,700	568,900	174,400	\$ 2,938,000
Labor and Benefits	18,581,400	1,339,200	979,300	20,899,900
Administrative Expenses	4,589,800	331,200	229,100	5,150,100
Materials and Maintenance	2,108,600	305,000	1,042,700	3,456,300
Subtotal - Operations Costs	\$ 27,474,500	\$ 2,544,300	\$ 2,425,500	\$ 32,444,300
Reserve Funding				
Transfer to General Fund Reserve	1,286,400	1,371,800	196,100	2,854,300
Expansion Reserve	3,638,000	455,600	-	4,093,600
Betterment Reserve	2,280,000	835,200	351,200	3,466,400
Replacement Reserve	464,500	-	-	464,500
OPEB Trust	872,300	51,200	37,500	961,000
New Supply Reserve	-	35,000	-	35,000
Subtotal - Reserve Funding	\$ 8,541,200	\$ 2,748,800	\$ 584,800	\$ 11,874,800
Total Expenditures	\$ 79,822,200	\$ 8,909,000	\$ 3,010,300	\$ 91,741,500
Excess Revenue (Expenditures)	\$ -	\$ -	\$ -	\$ -

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General Fund Forecast - FY 2018 Through FY 2022

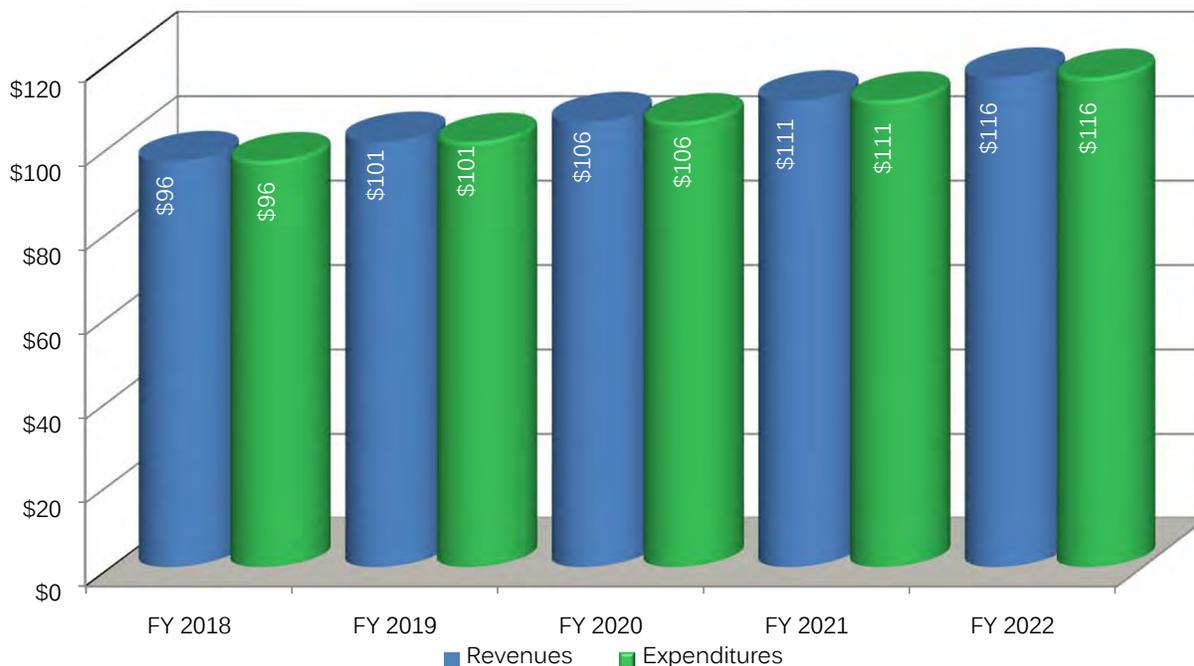
This forecast incorporates both cost increases for expenditures and rate increases for revenues, as well as growth projections.

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Revenues					
Water/Sewer Rates	88,571,900	93,172,600	97,691,700	102,641,300	107,891,800
Meter Fees	70,200	73,400	75,400	78,500	82,000
Capacity Fee Revenues	1,254,400	1,266,900	1,279,600	1,292,400	1,305,300
Non-operating Revenues	2,203,100	2,023,200	2,045,100	2,073,500	2,102,400
Tax Revenues	4,104,200	4,178,300	4,256,300	4,337,500	4,420,500
Interest Income	204,500	258,500	294,300	333,800	377,200
Total Revenues	\$ 96,408,300	\$ 100,972,900	\$ 105,642,400	\$ 110,757,000	\$ 116,179,200

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Expenditures and Transfers					
Water Cost	\$ 51,706,200	\$ 55,093,300	\$ 58,880,400	\$ 63,210,400	\$ 67,865,300
Power	3,080,200	3,217,300	3,371,500	3,543,900	3,729,200
Labor and Benefits	21,260,300	21,627,700	21,974,600	22,306,600	22,645,300
Administrative Expenses	4,989,500	5,145,100	5,395,500	5,486,500	5,644,300
Materials & Maintenance	3,538,400	3,681,800	3,831,000	3,986,300	4,148,100
Net Reserve Funding	11,833,700	12,207,700	12,189,400	12,223,300	12,147,000
Total Expenditures and Transfers	\$ 96,408,300	\$ 100,972,900	\$ 105,642,400	\$ 110,757,000	\$ 116,179,200

Excess Revenues (Expenditures)	\$ -				
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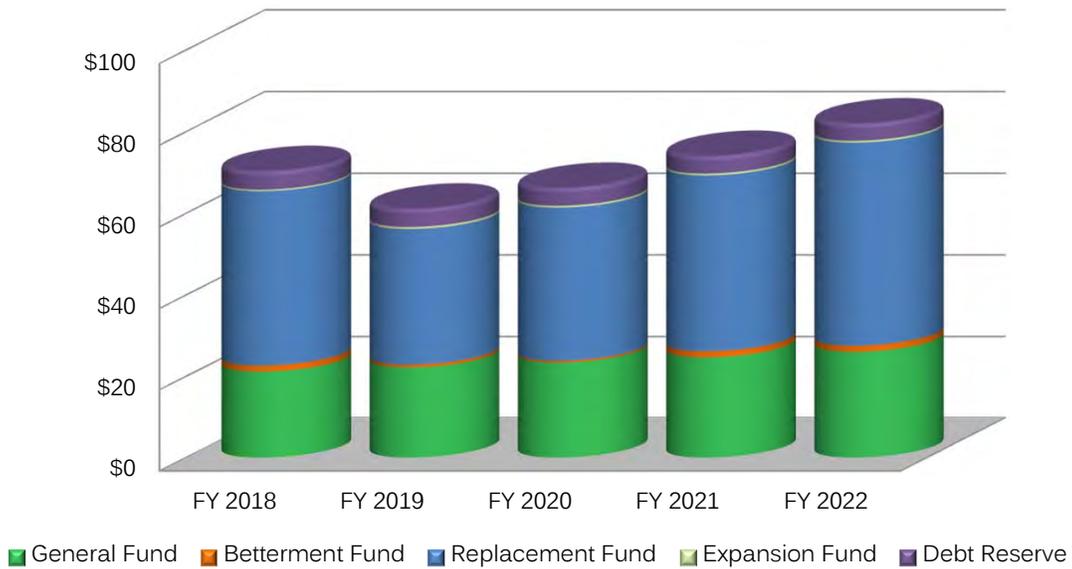
REVENUES AND EXPENDITURES FORECAST, IN MILLIONS (\$)



Fund Balances - FY 2018 Through FY 2022

	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Fund Balances by Fund					
General Fund	\$ 21,148,800	\$ 22,199,600	\$ 23,374,200	\$ 24,647,500	\$ 26,020,700
Betterment Fund	1,541,300	701,800	464,800	1,552,500	1,552,700
Replacement Fund	42,732,300	33,255,300	37,543,900	43,057,200	49,715,000
Expansion Fund	388,500	526,400	494,900	502,300	504,100
New Supply Fund	1,574,800	2,546,100	3,774,900	5,190,400	6,805,400
Debt Reserve	4,477,600	4,410,900	4,320,900	4,256,400	4,162,400
Total Fund Balance	\$ 71,863,300	\$ 63,640,100	\$ 69,973,600	\$ 79,206,300	\$ 88,760,300

FUND BALANCES FORECAST, IN MILLIONS (\$)



Operating Budget Summary - Potable

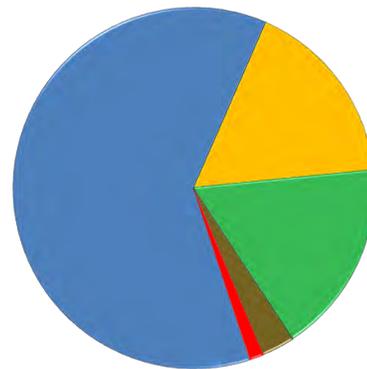
	FY 2015	FY 2016		FY 2017	Budget to Budget Variance	
	Actual	Projected	Budget	Budget	\$	%
Revenues						
Water Sales	\$ 70,281,989	\$ 65,450,075	\$ 69,783,700	\$ 72,238,600	\$ 2,454,900	3.5%
Meter Fees	86,165	78,166	65,800	65,800	-	0.0%
Capacity Fee Revenues	1,304,598	1,329,214	1,134,800	1,248,200	113,400	10.0%
Betterment Fees for Maintenance	188,123	-	-	-	-	(100.0%)
Tax Revenues	3,769,963	4,015,052	3,846,300	3,981,500	135,200	3.5%
Property Tax	3,128,961	3,578,243	3,213,000	3,354,800	141,800	4.4%
Availability Fees	641,002	436,809	633,300	626,700	(6,600)	(1.0%)
Non-operating Revenues	2,370,615	1,938,225	1,836,400	2,143,800	307,400	16.7%
Interest	105,264	79,160	143,000	144,300	1,300	0.9%
Total Revenues	\$ 78,106,717	\$ 72,889,892	\$ 76,810,000	\$ 79,822,200	\$ 3,012,200	3.9%
Expenditures						
Potable Water Purchases	\$ 33,952,017	\$ 28,882,714	\$ 32,332,100	\$ 31,271,300	\$ (1,060,800)	(3.3%)
CWA - Infrastructure Access Charge	1,900,266	1,930,962	1,931,400	1,976,400	45,000	2.3%
CWA - Customer Service Charge	1,796,853	1,778,099	1,777,800	1,714,200	(63,600)	(3.6%)
CWA - Reliability Charge	-	950,168	950,400	1,848,000	897,600	94.4%
CWA - Emergency Storage Charge	4,720,701	4,681,730	4,681,800	4,579,800	(102,000)	(2.2%)
MWD - Capacity Reservation Charge	701,976	883,203	806,400	988,800	182,400	22.6%
MWD-Net RTS and Standby Charge	1,817,339	1,644,998	1,798,800	1,428,000	(370,800)	(20.6%)
Subtotal - Water Costs	\$ 44,889,152	\$ 40,751,874	\$ 44,278,700	\$ 43,806,500	\$ (472,200)	(1.1%)
Power	2,280,061	2,155,397	2,372,400	2,194,700	(177,700)	(7.5%)
Labor and Benefits	17,383,737	17,980,140	18,518,100	18,581,400	63,300	0.3%
Administrative Expenses	4,040,636	3,924,096	4,865,200	4,589,800	(275,400)	(5.7%)
Materials and Maintenance	1,743,396	1,984,696	2,168,300	2,108,600	(59,700)	(2.8%)
Subtotal - Operations Costs	\$ 25,447,830	\$ 26,044,329	\$ 27,924,000	\$ 27,474,500	\$ (449,500)	(1.6%)
Transfer to General Fund Reserve	-	-	-	1,286,400	1,286,400	100.0%
Expansion Reserve	-	-	-	3,638,000	3,638,000	100.0%
Betterment Reserve	2,805,000	-	-	2,280,000	2,280,000	100.0%
Replacement Reserve	675,000	2,493,900	2,493,900	464,500	(2,029,400)	(81.4%)
Transfer to Sewer General Fund	553,800	-	-	-	-	(100.0%)
Transfer to OPEB	546,000	914,100	914,100	872,300	(41,800)	(4.6%)
Transfer to Potable General Fund	1,583,800	-	-	-	-	0.0%
Transfer to Sewer Replacement	127,000	1,199,300	1,199,300	-	(1,199,300)	0.0%
Transfer to New Supply Fund	705,000	-	-	-	-	(100.0%)
Subtotal - Reserve Funding	\$ 6,995,600	\$ 4,607,300	\$ 4,607,300	\$ 8,541,200	\$ 3,933,900	85.4%
Total Expenditures	\$ 77,332,582	\$ 71,403,503	\$ 76,810,000	\$ 79,822,200	\$ 3,012,200	3.9%
Excess Revenues (Expenditures)	774,135	1,486,389	-	-	-	

Classification of Water Sales - Potable

	FY 2015	FY 2016		FY 2017	Budget to Budget Variance	
	Actual	Projected	Budget	Budget	\$	%
Water Sales	\$ 44,025,774	\$ 37,257,765	\$ 41,344,900	\$ 44,450,600	\$ 3,105,700	7.5%
System Fees	12,380,370	13,346,390	13,292,300	12,204,600	(1,087,700)	-8.2%
Energy Fees	2,134,865	2,147,885	2,311,300	2,164,200	(147,100)	-6.4%
MWD and CWA Fixed Fees	10,846,411	11,875,844	11,946,600	12,535,200	588,600	4.9%
Penalties	894,569	822,191	888,600	884,000	(4,600)	-0.5%
Total Water Sales	\$ 70,281,989	\$ 65,450,075	\$ 69,783,700	\$ 72,238,600	\$ 2,454,900	3.5%

FY 2017 CLASSIFICATION OF WATER SALES

Water Sales	\$ 44,450,600	61.4%
System Fees	12,204,600	16.9%
Energy Fees	2,164,200	3.0%
MWD and CWA Fixed Fees	12,535,200	17.4%
Penalties	884,000	1.3%
Total Water Sales	\$ 72,238,600	100.0%



Water Sales: Water rates vary among classes of service and are charged per unit of water. A unit of water is equal to 100 cubic feet of water. On January 1, 2009, the District implemented a tiered rate structure for all customer types to encourage conservation and bring equity among the classes.

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

Energy Fees: The energy pumping fee is \$.044 per 100 cubic feet of water for each 100 feet of lift above the elevation of 450 feet. All water customers are in one of 29 zones based on elevation.

MWD and CWA Fixed Fees: These pass-through charges are calculated to recover the MWD's and CWA's fixed annual costs including the construction, operation and maintenance of aqueducts, and emergency storage projects. These fixed charges are based on the size of the meter.

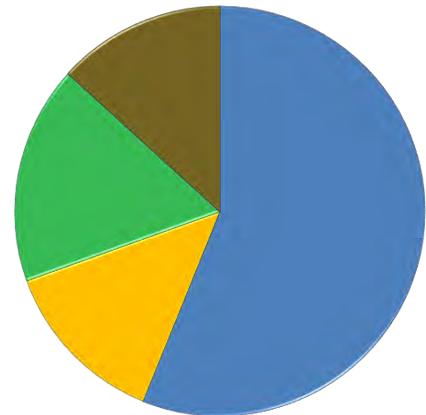
Penalties: Charges and penalties are imposed on customer accounts for late payments and returned checks.

Water Sales Summary by Service Class - Potable

	Water Rates		Accounts	FY 2017	
	Current	Proposed ⁽¹⁾		Unit Sales	Budget
Residential			45,102	6,064,600	\$ 23,445,900
Conservation Tier (< 5 hcf)	\$ 2.13	\$ 2.53			
6 - 10	3.32	3.95			
11 - 22	4.32	5.13			
over 23 hcf	6.65	7.90			
Multi-Residential			822	1,449,400	6,016,400
0 - 4	3.28	3.90			
5 - 9	4.25	5.05			
over 10 hcf	6.56	7.80			
Public and Commercial			1,459	1,860,400	7,152,100
Tier I	3.51	4.17			
Tier II	3.56	4.23			
Tier III	3.62	4.30			
Agriculture, Landscaping, and Construction			1,350	1,432,600	7,430,000
Tier I	4.78	5.68			
Tier II	4.83	5.74			
Tier III	4.89	5.81			
Total			48,733	10,807,000	\$ 44,044,400
Government Fee	0.37	0.41	-	-	406,200
Total Water Sales			48,733	10,807,000	\$ 44,450,600

FY 2017 UNIT SALES BY SERVICE CLASS

	Units	%
■ Residential	6,064,600	60.0%
■ Multi-Residential	1,449,400	10.0%
■ Public and Commercial	1,860,400	20.0%
■ Agricultural, Landscaping & Construction	1,432,600	10.0%
Total Water Sales	10,807,000	100.0%



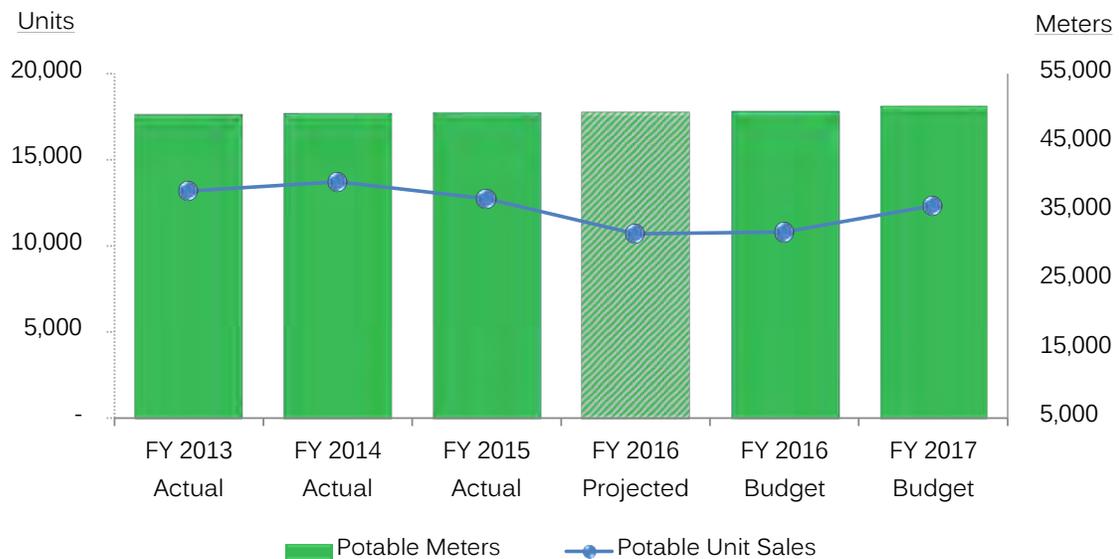
⁽¹⁾ Proposed rates for water billed beginning in January 2017.

Unit Sales History and Meter Count by Customer Class - Potable

	FY 2013	FY 2014	FY 2015	FY 2016		FY 2017
	Actual			Projected	Budget	Budget
Residential	7,836,873	8,050,828	7,248,930	6,003,646	6,954,400	6,064,600
Multi-Residential	1,495,057	1,536,902	1,482,502	1,422,541	1,326,700	1,449,400
Public and Commercial	2,031,253	2,056,075	2,049,294	1,886,429	1,802,500	1,860,400
Agricultural and Landscaping	1,723,839	1,931,856	1,795,230	1,231,985	1,529,900	1,278,200
Temporary and Fire Services	102,020	144,458	168,469	155,042	90,600	154,400
Total Unit Sales	13,189,042	13,720,119	12,744,425	10,699,643	11,704,100	10,807,000

	FY 2013	FY 2014	FY 2015	FY 2016		FY 2017
	Actual			Projected	Budget	Budget
Residential	44,670	44,826	44,941	45,005	45,025	45,102
Multi-Residential	800	798	806	822	862	822
Public and Commercial	1,493	1,449	1,453	1,459	1,470	1,459
Agricultural and Landscaping	1,227	1,229	1,227	1,231	1,228	1,231
Temporary and Fire Services	772	846	881	882	869	882
Total Meter Count	48,962	49,148	49,308	49,399	49,454	49,496

UNIT SALES IN THOUSANDS AND METER COUNT TRENDS



System Fees - Potable

Meter Size	FY 2017	System Fees		FY 2016	FY 2017	Budget to Budget Variance	
	Count	Current	Proposed ⁽¹⁾	Budget	Budget	\$	%

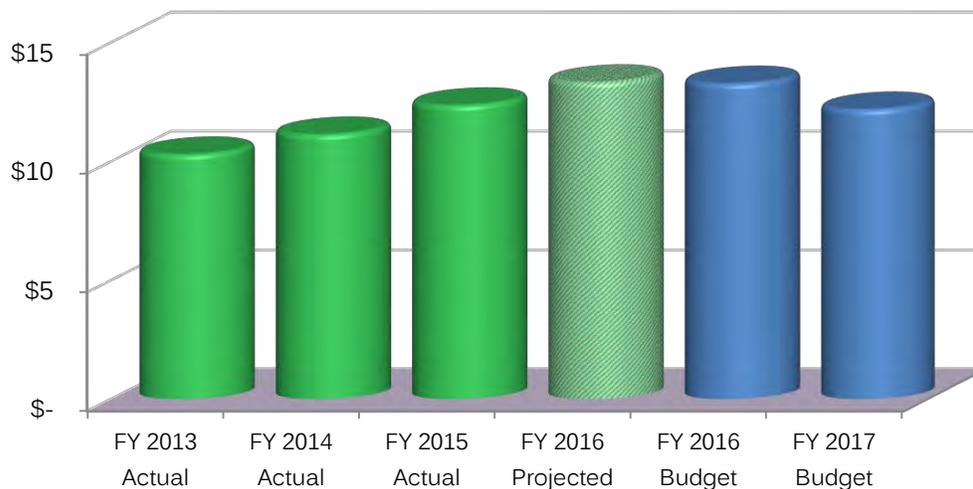
All Service Types

0.75	43,788	\$ 18.91	\$ 15.91	\$ 10,046,600	\$ 9,138,300	\$ (908,300)	-9.0%
1.00	2,595	26.71	22.47	789,800	765,700	(24,100)	-3.1%
1.50	948	46.22	38.88	527,800	483,800	(44,000)	-8.3%
2.00	1,097	69.61	58.55	915,400	839,900	(75,500)	-8.2%
3.00	80	132.02	111.04	118,800	115,300	(3,500)	-2.9%
4.00	197	202.24	170.10	450,000	434,700	(15,300)	-3.4%
6.00	20	397.31	334.18	77,300	87,800	10,500	13.6%
8.00	3	631.37	531.05	23,000	20,900	(2,100)	-9.1%
10.00	5	904.44	760.72	55,000	50,000	(5,000)	-9.1%
Sub-total	48,733			13,003,700	11,936,400	(1,067,300)	-8.2%

Fire Services

0.63	709	24.69	20.77	207,300	193,400	(13,900)	-6.7%
0.75	12	24.69	20.77	2,700	3,300	600	22.2%
1.00	26	24.69	20.77	7,800	7,100	(700)	-9.0%
2.00	16	24.69	20.77	4,800	4,400	(400)	-8.3%
3.00	-	24.69	20.77	-	-	-	
4.00	-	33.27	27.98	-	-	-	
10.00	-	33.27	27.98	-	-	-	
Sub-total	763			222,600	208,200	(14,400)	-6.5%
Turn Over Fees		10.00	10.00	66,000	60,000	(6,000)	
Total	49,496			\$ 13,292,300	\$ 12,204,600	\$ (1,087,700)	-8.2%

HISTORICAL SYSTEM FEES, IN MILLIONS (\$)

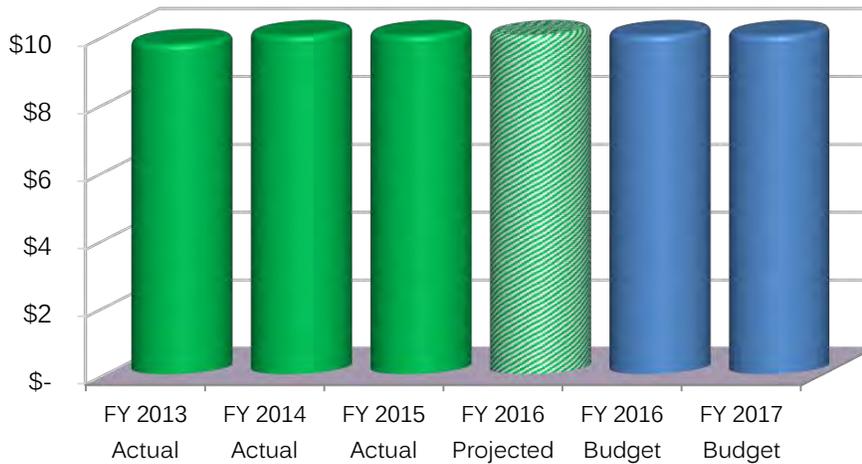


⁽¹⁾ Proposed rates for water billed beginning in January 2017.

MWD and CWA Fixed Fees (Pass-Through) - Potable

Meter Size	FY 2017	MWD and CWA Fixed Fees		FY 2016	FY 2017	Budget to Budget Variance	
	Count ⁽¹⁾	Current	Proposed ⁽²⁾	Budget	Budget	\$	%
0.75	43,781	\$ 16.84	\$ 15.00	\$ 8,004,300	\$ 8,356,300	\$ 352,000	4.4%
1.00	2,587	31.24	27.84	873,300	917,000	43,700	5.0%
1.50	943	70.66	62.96	717,800	755,600	37,800	5.3%
2.00	1,095	120.17	107.08	1,414,600	1,486,600	72,000	5.1%
3.00	80	255.60	227.75	208,800	229,300	20,500	9.8%
4.00	102	409.32	364.72	432,200	462,700	30,500	7.1%
6.00	18	837.89	746.59	145,700	171,100	25,400	17.4%
8.00	3	1,353.09	1,205.65	44,100	46,100	2,000	4.5%
10.00	5	1,947.62	1,735.39	105,800	110,500	4,700	4.4%
Total	48,614			\$11,946,600	\$12,535,200	\$ 588,600	4.9%

HISTORICAL MWD AND CWA FIXED FEES, IN MILLIONS (\$)



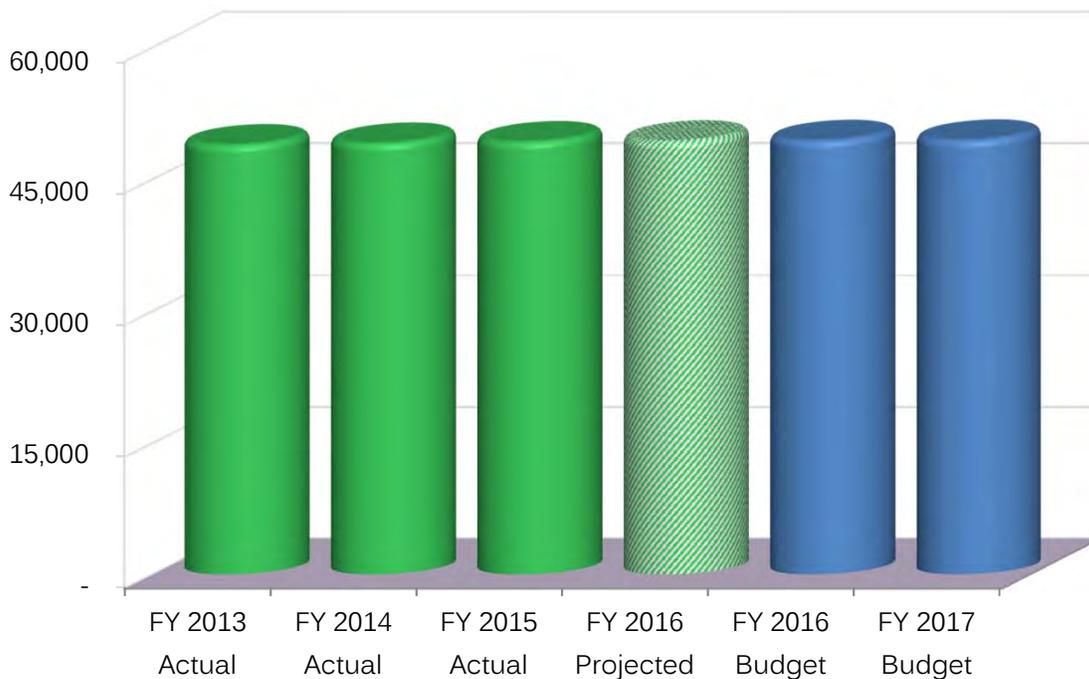
⁽¹⁾ Construction Meters, Fire Services, and Recycled Meters are exempt from MWD and CWA Fixed Fees.

⁽²⁾ Proposed rates for water billed beginning in January 2017.

Meter Fees - Potable

Meter Size	FY 2017				
	Meter Sales	Installation Fee	Meter Fee	Total Fees	Budget
0.75	97	\$ 103.90	\$ 218.94	\$ 322.84	\$ 31,300
1.00	-	103.90	282.52	386.42	-
1.50	1	103.90	459.21	563.11	600
2.00	10	103.90	658.00	761.90	7,600
3.00	2	625.55	2,050.60	2,676.15	5,400
4.00	5	625.55	3,561.56	4,187.11	20,900
6.00	-	988.10	6,151.79	7,139.89	-
8.00	-	1,515.16	7,686.20	9,201.36	-
10.00	-	1,515.16	11,054.19	12,569.35	-
Total	<u>115</u>				<u>\$ 65,800</u>

HISTORICAL METER COUNT

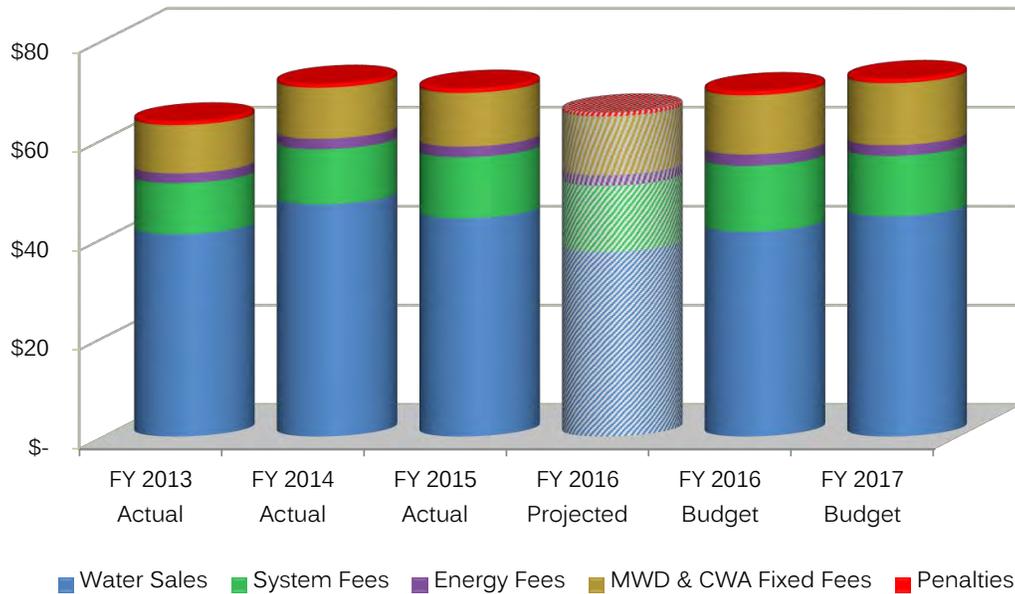


Meter Fees: Charges collected for new water service connections. Fees vary depending upon meter size and type of service. The costs associated with meter installations are included in the Operating Expenses section of the budget. These charges are funded by developers.

Revenue History - Potable

	FY 2013	FY 2014	FY 2015	FY 2016		FY 2017
	Actual			Projected	Budget	Budget
Water Sales	\$ 40,845,630	\$ 46,856,253	\$ 44,025,774	\$ 37,257,765	\$ 41,344,900	\$ 44,450,600
System Fees	10,315,199	11,152,291	12,380,370	13,346,390	13,292,300	12,204,600
Energy Fees	1,964,062	2,114,844	2,134,865	2,147,885	2,311,300	2,164,200
MWD and CWA Fixed Fees	9,747,977	10,309,983	10,846,411	11,875,844	11,946,600	12,535,200
Penalties	796,426	839,025	894,569	822,191	888,600	884,000
Total Potable Revenues	\$ 63,669,294	\$ 71,272,396	\$ 70,281,989	\$ 65,450,075	\$ 69,783,700	\$ 72,238,600

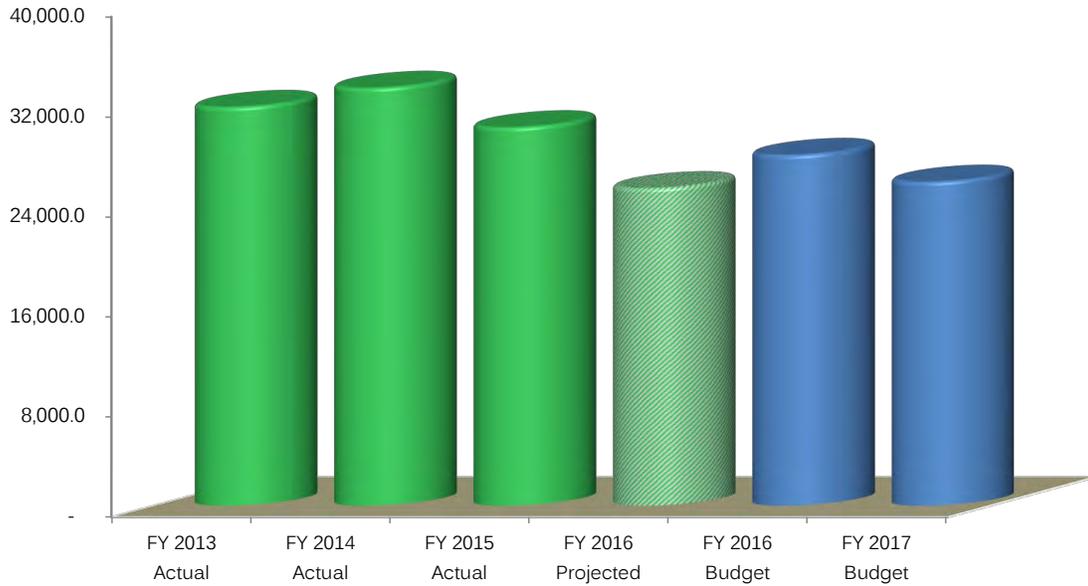
REVENUE HISTORY - POTABLE, IN MILLIONS (\$)



Water Purchases and Related Costs - Potable

	FY 2016		FY 2017	FY 2016		FY 2017	Budget to Budget	
	Acre Feet			Purchase Costs			Variance	
	Budget	Projected	Budget	Projected	Budget	Budget	\$	%
Potable Water Purchases (CWA):								
Rate Effective January				\$ 1,165.00	\$ 1,165.00	\$ 1,255.00	\$ 90	7.7%
Budgeted Sales	26,868.7	24,563.0	24,809.2	\$ 28,254,195	\$ 30,968,000	\$29,940,200	\$ (1,027,800)	-3.3%
District & Unbilled Usage	61.2	71.9	66.6	77,017	70,800	80,200	9,400	13.3%
Water Loss	1,122.1	763.7	1,036.5	882,205	1,293,300	1,250,900	(42,400)	-3.3%
Total Variable Charges	28,052.0	25,398.6	25,912.3	\$ 29,213,416	\$ 32,332,100	\$ 31,271,300	(1,060,800)	-3.3%
CWA and MWD Fixed Charges:								
CWA - Infrastructure Access Charge				\$ 1,930,962	\$ 1,931,400	\$ 1,976,400	\$ 45,000	2.3%
CWA - Customer Service Charge				1,778,098	1,777,800	1,714,200	(63,600)	-3.6%
CWA - Emergency Storage Charge				4,681,730	4,681,800	4,579,800	(102,000)	-2.2%
CWA - Reliability Fixed Charge				950,168	950,400	1,848,000	897,600	94.4%
MWD - Capacity Reservation Charge				883,203	806,400	988,800	182,400	22.6%
MWD - Readiness-to-Serve Charge				1,644,998	1,798,800	1,428,000	(370,800)	-20.6%
Total Fixed Charges				\$ 11,869,159	\$ 11,946,600	\$12,535,200	\$ 588,600	4.9%
Total Variable and Fixed Charges				\$ 41,082,575	\$ 44,278,700	\$43,806,500	\$ (472,200)	-1.1%
Average Cost Per Acre-Foot				\$ 1,618	\$ 1,578	\$ 1,691		

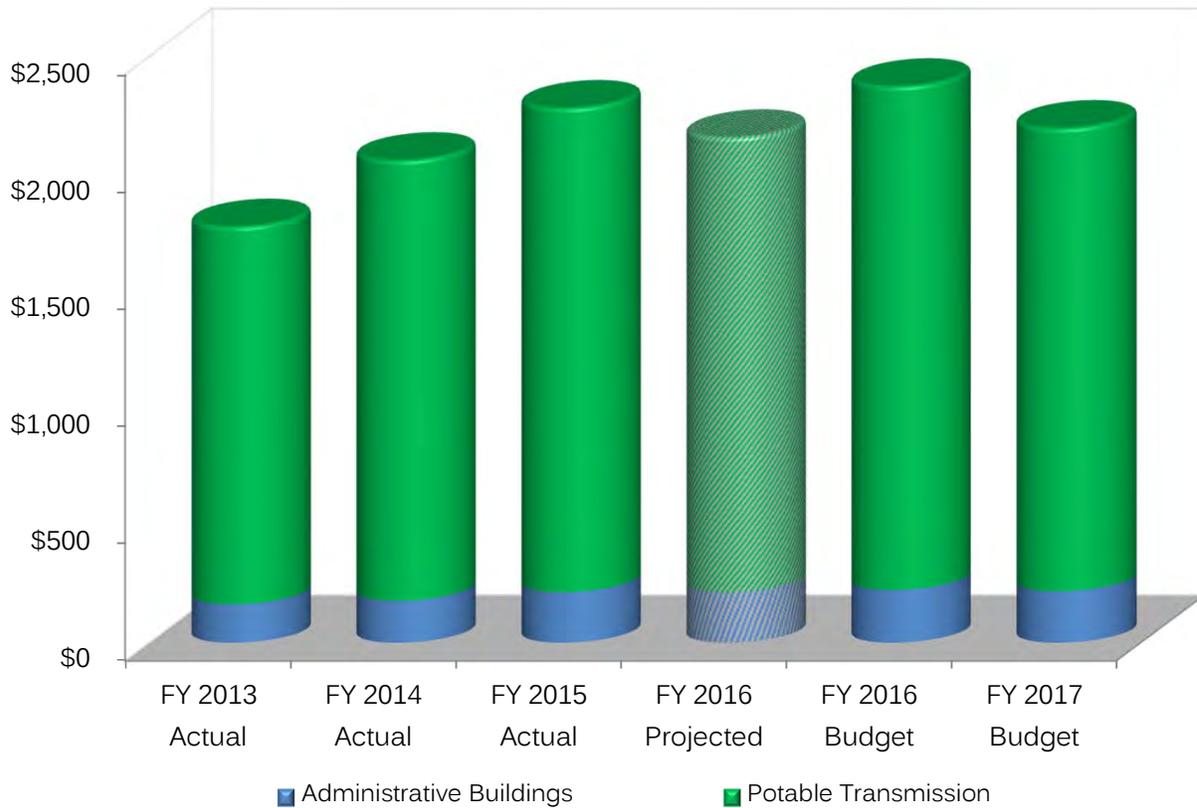
HISTORICAL POTABLE WATER PURCHASES, IN ACRE-FEET



Power Costs - Potable

	FY 2013	FY 2014	FY 2015	FY 2016		FY 2017	Budget to Budget Variance	
	Actual			Projected	Budget	Budget	\$	%
Administrative Buildings	\$ 164,785	\$ 179,919	\$ 216,744	\$ 216,300	\$ 225,700	\$ 220,600	\$ (5,100)	-2.3%
Potable Transmission	1,610,428	1,878,026	2,063,318	1,939,097	2,146,700	1,974,100	(172,600)	-8.0%
Total Power Costs	\$ 1,775,213	\$ 2,057,945	\$ 2,280,061	\$ 2,155,397	\$ 2,372,400	\$ 2,194,700	\$ (177,700)	-7.5%

HISTORICAL POWER COSTS, IN THOUSANDS (\$)



Administrative Expenditures - Potable

	FY 2015	FY 2016		FY 2017	Budget to Budget Variance	
	Actual	Projected	Budget	Budget	\$	%
Administrative Expenditures						
Directors' Fees	\$ 20,382	\$ 23,400	\$ 30,000	\$ 33,000	\$ 3,000	10.0%
Travel and Meetings	158,205	165,042	214,400	208,600	(5,800)	(2.7%)
Conservation and Outreach	144,026	163,480	176,900	177,400	500	0.3%
General Office Expense	257,756	252,748	284,700	265,500	(19,200)	(6.7%)
Equipment	1,230,413	999,426	1,106,500	1,109,300	2,800	0.3%
Fees	481,243	476,364	470,900	600,600	129,700	27.5%
Services	1,526,937	1,676,027	2,224,600	1,952,500	(272,100)	(12.2%)
Training	77,232	66,335	99,000	126,000	27,000	27.3%
Utilities	14,184	21,500	14,900	14,900	-	0.0%
General Expenses	821,303	773,198	836,000	825,000	(11,000)	(1.3%)
Bad Debt Expense	91,269	91,005	148,000	99,800	(48,200)	(32.6%)
Subtotal before Overhead	\$ 4,822,950	\$ 4,708,525	\$ 5,605,900	\$ 5,412,600	\$ (193,300)	(3.4%)
Less: Overhead Allocation	(782,314)	(784,429)	(740,700)	(822,800)	(82,100)	11.1%
Total Expenditures	\$ 4,040,636	\$ 3,924,096	\$ 4,865,200	\$ 4,589,800	\$ (275,400)	(5.7%)

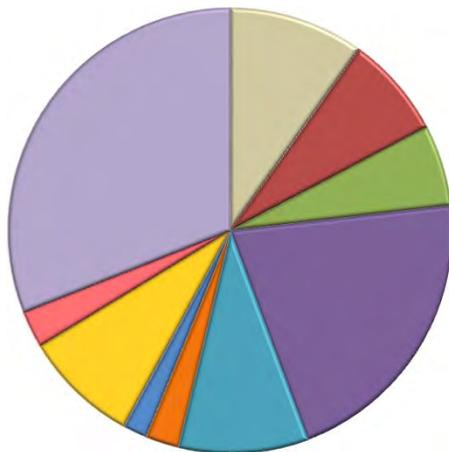
FY 2017 ADMINISTRATIVE EXPENDITURES - POTABLE



Materials and Maintenance Expenditures - Potable

	FY 2015	FY 2016		FY 2017	Budget to Budget Variance	
	Actual	Projected	Budget	Budget	\$	%
Materials and Maintenance						
Fuel and Oil	184,027	\$ 213,364	\$ 235,600	207,500	\$ (28,100)	(11.9%)
Meters and Materials	110,956	134,336	113,100	156,700	43,600	38.5%
Fleet Parts and Equipment	118,367	127,182	127,400	124,800	(2,600)	(2.0%)
Infrastructure Equipment & Supplies	358,197	456,250	433,500	445,700	12,200	2.8%
Chemicals	190,169	192,534	225,500	199,600	(25,900)	(11.5%)
Safety Equipment	39,343	75,285	126,300	51,000	(75,300)	(59.6%)
Laboratory Equipment and Supplies	34,655	31,550	31,000	36,300	5,300	17.1%
Other Materials and Supplies	173,865	157,672	185,200	177,200	(8,000)	(4.3%)
Building and Grounds Materials	55,375	50,000	47,900	56,000	8,100	16.9%
Contracted Services	478,442	546,523	642,800	653,800	11,000	1.7%
Total Expenditures	\$ 1,743,396	\$ 1,984,696	\$ 2,168,300	\$ 2,108,600	\$ (59,700)	(2.8%)

FY 2017 MATERIALS AND MAINTENANCE EXPENDITURES - POTABLE



Fuel and Oil	\$ 207,500	9.9%
Meters and Materials	156,700	7.4%
Fleet Parts and Equipment	124,800	5.9%
Infrastructure Equipment and Supplies	445,700	21.1%
Chemicals	199,600	9.5%
Safety Equipment	51,000	2.4%
Laboratory Equipment and Supplies	36,300	1.7%
Other Materials and Supplies	177,200	8.4%
Building and Grounds Materials	56,000	2.7%
Contracted Services	653,800	31.0%
	\$ 2,108,600	100.0%

Operating Budget Summary - Recycled

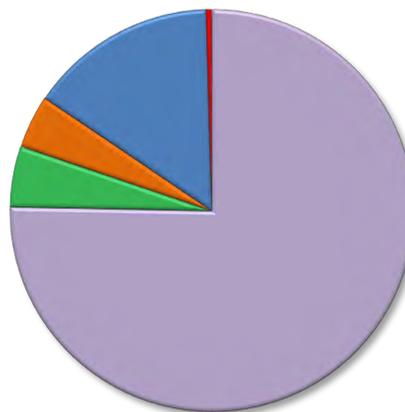
	FY 2015	FY 2016		FY 2017	Budget to Budget Variance	
	Actual	Projected	Budget	Budget	\$	%
Revenues						
Recycled Water Sales	\$ 8,853,010	\$ 7,847,149	\$ 9,116,000	\$ 8,900,300	\$ (215,700)	(2.4%)
Meter Fees	4,081	3,353	400	400	-	0.0%
Interest	14,608	10,985	6,300	8,300	2,000	31.7%
Total Revenues	\$ 8,871,699	\$ 7,861,488	\$ 9,122,700	\$ 8,909,000	\$ (213,700)	(2.3%)
Expenditures						
Recycled Water Purchases	1,360,807	1,848,699	1,705,800	3,615,900	1,910,100	112.0%
Power	600,799	539,100	563,600	568,900	5,300	0.9%
Labor and Benefits	1,258,945	1,299,067	1,181,600	1,339,200	157,600	13.3%
Administrative Expenses	290,362	356,686	321,800	331,200	9,400	2.9%
Materials and Maintenance	270,990	226,685	287,800	305,000	17,200	6.0%
Subtotal - Operations Costs	\$ 3,781,903	\$ 4,270,237	\$ 4,060,600	\$ 6,160,200	\$ 2,099,600	51.7%
Transfer to GF Reserve	-	-	-	1,371,800	1,371,800	100.0%
Expansion Reserve	2,538,900	2,695,800	2,695,800	455,600	(2,240,200)	(83.1%)
Betterment Reserve	725,000	1,945,000	1,945,000	835,200	(1,109,800)	(57.1%)
Replacement Reserve	1,679,000	328,000	328,000	-	(328,000)	(100.0%)
Transfer to OPEB	57,300	58,300	58,300	51,200	(7,100)	(12.2%)
Transfer to New Supply Fund	-	35,000	35,000	35,000	-	0.0%
Subtotal - Reserve Funding	\$ 5,000,200	\$ 5,062,100	\$ 5,062,100	\$ 2,748,800	\$ (2,313,300)	(45.7%)
Total Expenditures	\$ 8,782,103	\$ 9,332,337	\$ 9,122,700	\$ 8,909,000	\$ (213,700)	(2.3%)
Excess Revenues/Expenditures	\$ 89,596	\$ (1,470,849)	\$ -	\$ -	\$ -	

Classification of Water Sales - Recycled

	FY 2015	FY 2016		FY 2017	Budget to Budget Variance	
	Actual	Projected	Budget	Budget	\$	%
Water Sales	\$ 6,412,122	\$ 5,677,101	\$ 6,694,500	\$ 6,702,300	\$ 7,800	0.1%
System Fees	431,121	469,266	464,300	432,800	(31,500)	-6.8%
Energy Fees	369,302	349,800	399,200	379,100	(20,100)	-5.0%
MWD and CWA Rebates	1,611,764	1,320,077	1,522,900	1,351,000	(171,900)	-11.3%
Penalties	28,701	30,905	35,100	35,100	-	0.0%
Total Recycled Water Sales	\$ 8,853,010	\$ 7,847,149	\$ 9,116,000	\$ 8,900,300	\$ (215,700)	-2.4%

FY 2017 CLASSIFICATION OF WATER SALES

Water Sales	\$ 6,702,300	75.3%
System Fees	432,800	4.9%
Energy Fees	379,100	4.3%
MWD and CWA Rebates	1,351,000	15.2%
Penalties	35,100	0.4%
Total	\$ 8,900,300	100.0%



Water Sales: Water rates vary among classes of service and are charged per unit of water. A unit of water is equal to 100 cubic feet of water. On January 1, 2009, the District implemented a tiered rate structure for all customer types to encourage conservation and bring equity among the classes.

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

Energy Fees: The energy pumping fee is \$.044 per 100 cubic feet of water for each 100 feet of lift above the elevation of 450 feet. All water customers are in one of 29 zones based on elevation.

MWD and CWA Rebates: Incentive from MWD and CWA for providing recycled water. The District receives \$200 from CWA and \$185 from MWD for every acre-foot (AF) of recycled water sold.

Penalties: Charges and penalties are imposed on customer accounts for late payments and returned checks.

Water Sales Summary by Meter Size - Recycled

	Water Rates		FY 2017		
	Current	Proposed ⁽¹⁾	Accounts	Unit Sales	Budget
Recycled .75" and 1.0" Meter			102	47,600	\$ 209,200
0 - 32 units	\$ 4.08	\$ 4.85			
33 - 75 units	4.14	4.92			
over 76 units	4.20	4.99			
Recycled 1.5" and 2.0" Meter			590	1,044,700	4,607,500
0 - 130 units	4.08	4.85			
131 - 325 units	4.14	4.92			
over 326 units	4.20	4.99			
Recycled 3.0" and 4.0" Meter			11	81,000	358,300
0 - 440 units	4.08	4.85			
441 - 1,050 units	4.14	4.92			
over 1,051 units	4.20	4.99			
Recycled more than 6.0" Meter			1	53,700	236,500
0 - 4,000 units	4.08	4.85			
4,001 - 10,000 units	4.14	4.92			
over 10,000 units	4.20	4.99			
Recycled Temporary 3.0" and 4.0" Meter				40,000	177,600
0 - 440 units	4.08	4.85	3		
441 - 1,050 units	4.14	4.92			
over 1,051 units	4.20	4.99			
Recycled Temporary more than 6.0" Meter			1	19,300	85,700
0 - 4,000 units	4.08	4.85			
4,001 - 10,000 units	4.14	4.92			
over 10,000 units	4.20	4.99			
Recycled Commercial <10" Meter			1	108,100	357,800
0 - 440 units	2.97	3.53			
441 - 1,050 units	3.03	3.60			
over 1,051 units	3.07	3.65			
Recycled Commercial >10" Meter			1	134,100	432,200
0 - 4,000 units	2.97	3.53			
4,001 - 10,000 units	3.03	3.60			
over 10,000 units	3.07	3.65			
Total			710	1,528,500	\$ 6,464,800
Government Fee	0.37	0.41	-	-	237,500
Total Water Sales			710	1,528,500	\$ 6,702,300

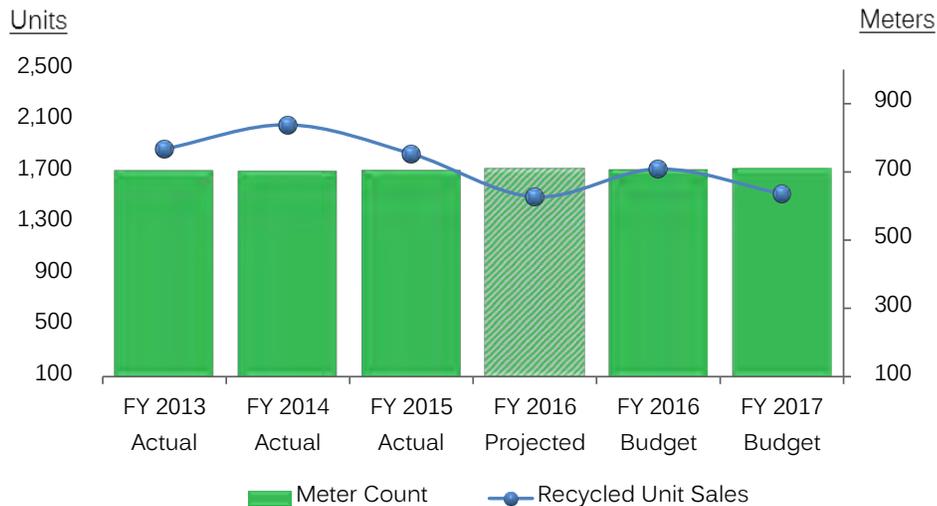
⁽¹⁾ Proposed rates for water billed beginning in January 2017.

Unit Sales History and Meter Count by Customer Class - Recycled

	FY 2013	FY 2014	FY 2015	FY 2016		FY 2017
	Actual			Projected	Budget	Budget
Recycled .75" & 1.0" Meter	59,698	68,523	63,142	50,602	49,300	47,600
Recycled 1.5" & 2.0" Meter	1,366,238	1,474,879	1,365,116	934,973	1,253,400	1,044,700
Recycled 3.0" & 4.0" Meter	100,991	115,794	103,125	111,237	87,100	81,000
Recycled > 6.0" Meter	352,023	363,760	192,003	66,700	214,700	53,700
Recycled-Temp 3" & 4" Meter	-	18,592	-	66,573	-	40,000
Recycled-Temp > 6" Meter	-	26,782	-	44,933	-	19,300
Recycled Commercial <10" Meter	-	-	67,010	98,808	67,000	108,100
Recycled Commercial >10" Meter	-	-	51,560	131,417	51,600	134,100
Total Unit Sales	1,878,950	2,068,330	1,841,956	1,505,243	1,723,100	1,528,500

	FY 2013	FY 2014	FY 2015	FY 2016		FY 2017
	Actual			Projected	Budget	Budget
Recycled .75" & 1.0" Meter	103	100	101	101	101	102
Recycled 1.5" & 2.0" Meter	587	588	590	590	591	590
Recycled 3.0" & 4.0" Meter	11	11	11	11	11	11
Recycled > 6.0" Meter	3	1	1	1	1	1
Recycled-Temp 3" & 4" Meter	-	1	-	3	-	3
Recycled-Temp > 6" Meter	-	1	-	1	-	1
Recycled Commercial <10" Meter	-	-	1	1	1	1
Recycled Commercial >10" Meter	-	-	1	1	1	1
Total Meter Count	704	702	705	709	706	710

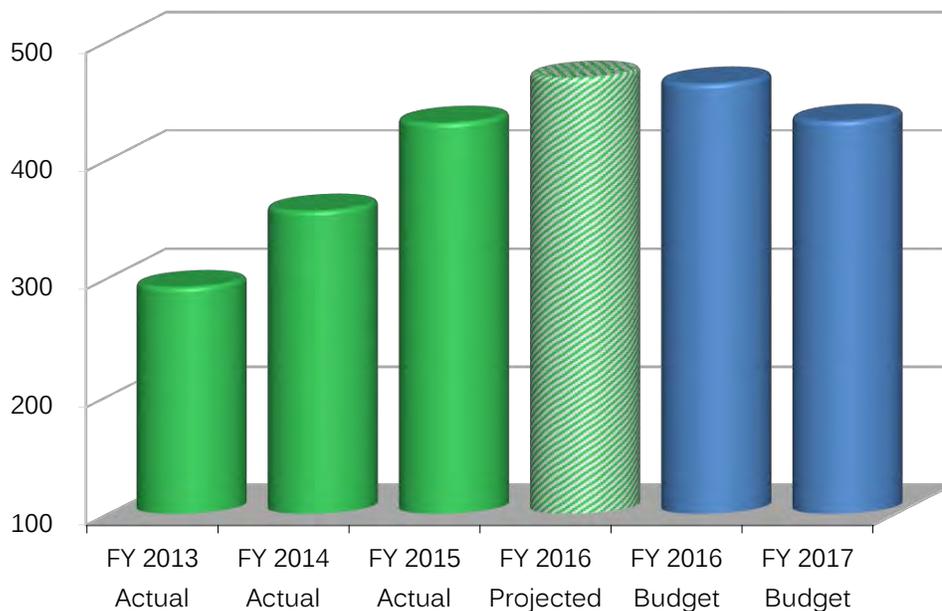
UNIT SALES IN THOUSANDS (\$) AND METER COUNT TRENDS



System Fees - Recycled

Meter Size	FY 2017	System Fees		FY 2016	FY 2017	Budget to Budget Variance	
	Meter Count	Current	Proposed ⁽¹⁾	Budget	Budget	\$	%
0.75	2	\$ 18.91	\$ 15.91	\$ 500	\$ 400	\$ (100)	-20.0%
1.00	100	26.71	22.47	32,100	29,500	(2,600)	-8.1%
1.50	395	46.22	38.88	222,400	201,700	(20,700)	-9.3%
2.00	195	69.61	58.55	165,000	149,900	(15,100)	-9.2%
3.00	4	132.02	111.04	6,400	5,800	(600)	-9.4%
4.00	10	202.24	170.10	17,200	22,300	5,100	29.7%
6.00	3	397.31	334.18	9,700	13,200	3,500	36.1%
8.00	-	631.37	531.05	-	-	-	0.0%
10.00	1	904.44	760.72	11,000	10,000	(1,000)	-9.1%
Total	710			\$ 464,300	\$ 432,800	\$ (31,500)	-6.8%

HISTORICAL SYSTEM FEES, IN THOUSANDS (\$)

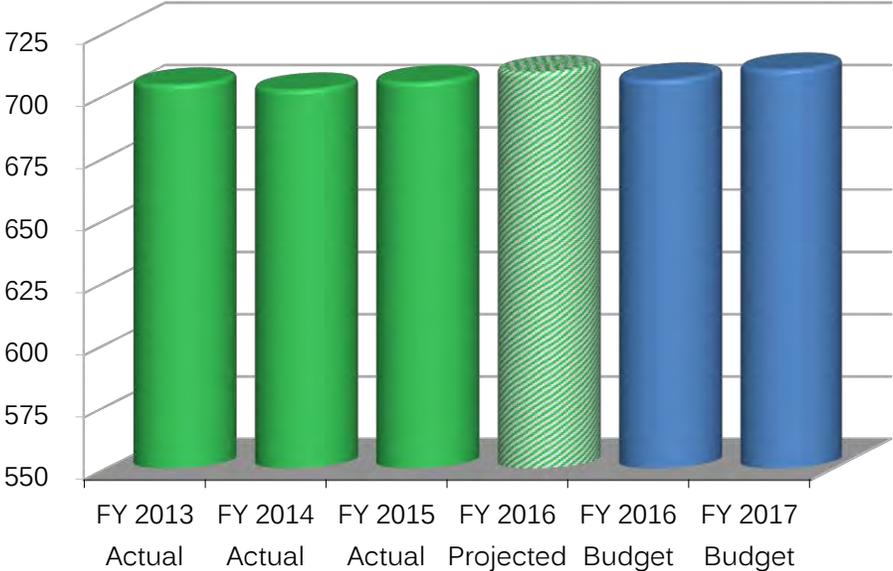


⁽¹⁾ Proposed rates for water billed beginning in January 2017.

Meter Fees - Recycled

Meter Size	FY 2017				
	Meter Sales	Installation Fee	Meter Fee	Total Fees	Budget
0.75	-	\$ 103.90	\$ 218.94	\$ 318.69	\$ -
1.00	1	103.90	282.52	381.45	400
1.50	-	103.90	459.21	555.87	-
2.00	-	103.90	658.00	752.11	-
3.00	-	625.55	2,050.60	2,641.76	-
4.00	-	625.55	3,561.56	4,133.31	-
6.00	-	988.10	6,151.79	7,048.13	-
8.00	-	1,515.16	7,686.20	9,083.12	-
10.00	-	1,515.16	11,054.19	12,407.83	-
Total	<u>1</u>				<u>\$ 400</u>

HISTORICAL METER COUNT

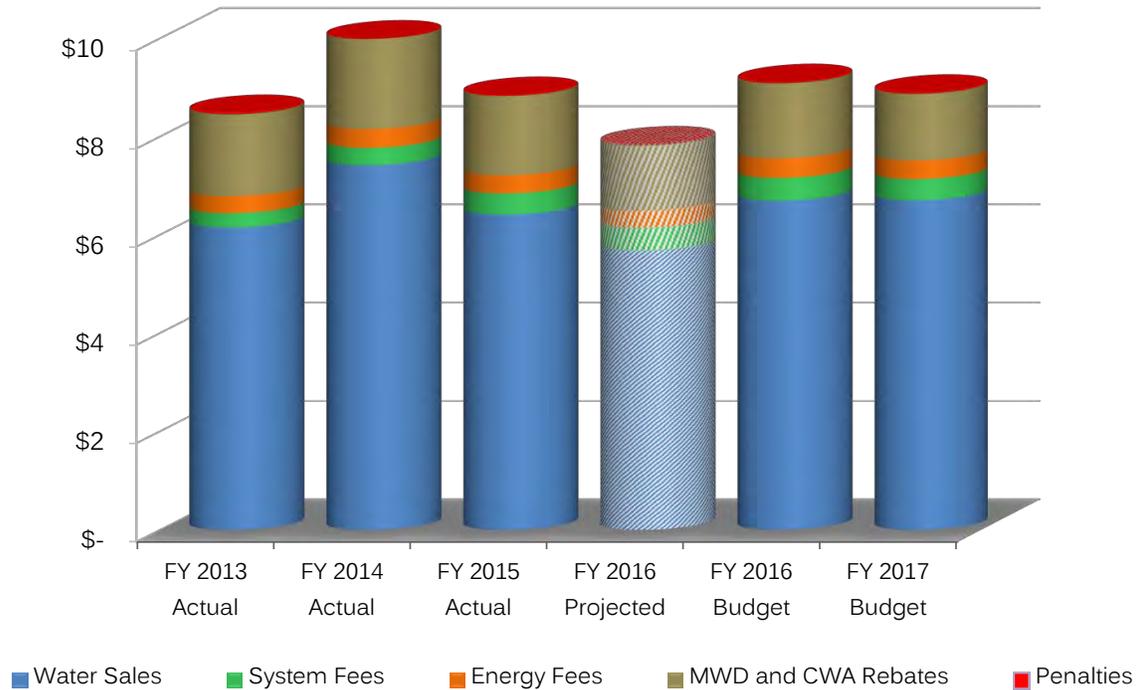


Meter Fees: Charges collected for new water service connections. Fees vary depending upon meter size and type of service. The costs associated with meter installations are included in the Operating Expenses section of the budget. These charges are funded by developers.

Revenue History - Recycled

	FY 2013	FY 2014	FY 2015	FY 2016		FY 2017
	Actual			Projected	Budget	Budget
Water Sales	\$ 6,148,619	\$ 7,416,631	\$ 6,412,122	\$ 5,677,101	\$ 6,694,500	\$ 6,702,300
System Fees	292,201	356,806	431,121	469,266	464,300	432,800
Energy Fees	346,064	383,513	369,302	349,800	399,200	379,100
MWD and CWA Rebates	1,660,736	1,828,134	1,611,764	1,320,077	1,522,900	1,351,000
Penalties	40,867	29,682	28,701	30,905	35,100	35,100
Total Recycled Revenues	\$ 8,488,487	\$ 10,014,766	\$ 8,853,010	\$ 7,847,149	\$ 9,116,000	\$ 8,900,300

REVENUE HISTORY - RECYCLED, IN MILLIONS (\$)



Water Purchases - Recycled

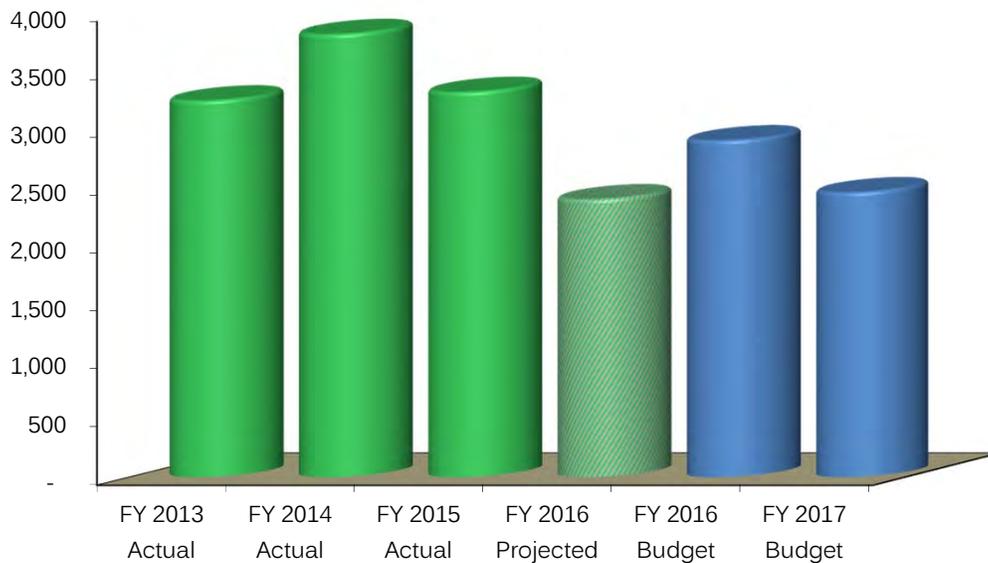
FY 2016		FY 2017		FY 2016		FY 2017		Budget to Budget	
Acre Feet				Purchase Costs				Variance	
Budget	Projected	Budget	Projected	Budget	Budget	Budget	Budget	\$	%

Rate Per Acre Feet \$ 505.67 \$ 348.00 \$ 756.00 \$ 408.00 117.2%

Recycled Water Purchases	2,906.4	2,399.2	2,459.6	\$ 1,213,228	\$ 949,900	\$ 1,859,300	909,400	95.7%
Meter Fee \$1,333.75 monthly				17,841	19,800	16,000	(3,800)	-19.2%
Take-or-pay contract ⁽¹⁾	1,910.8	1,804.0	2,302.4	617,630	736,100	1,740,600	1,004,500	136.5%
Total	4,817.2	4,203.2	4,762.0	\$ 1,848,699	\$ 1,705,800	\$ 3,615,900	\$ 1,910,100	112.0%

Average Cost Per Acre-Foot (Effective Rate) \$ 770.53 \$ 586.91 \$ 1,470.10

HISTORICAL RECYCLED WATER PURCHASES, IN ACRE-FEET

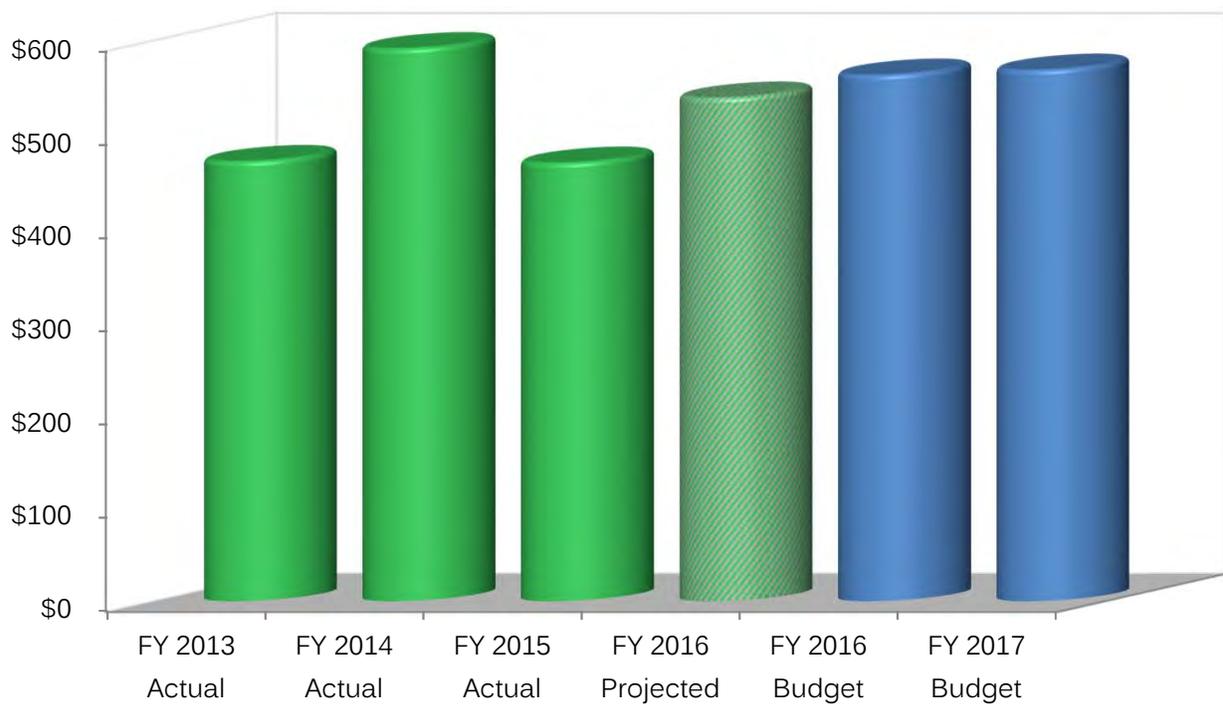


⁽¹⁾ This is the anticipated take-or-pay amount to be paid to the City of San Diego. The contract requires the purchase of a minimum volume of water. The District does not anticipate meeting the minimum therefore, a payment would be due to the City of San Diego.

Power Costs - Recycled

	FY 2013	FY 2014	FY 2015	FY 2016		FY 2017	Budget to Budget Variance	
	Actual			Projected	Budget	Budget	\$	%
Total Power Cost	\$ 471,139	\$ 591,883	\$ 469,400	\$ 539,100	\$ 563,600	\$ 568,900	\$ 5,300	0.9%

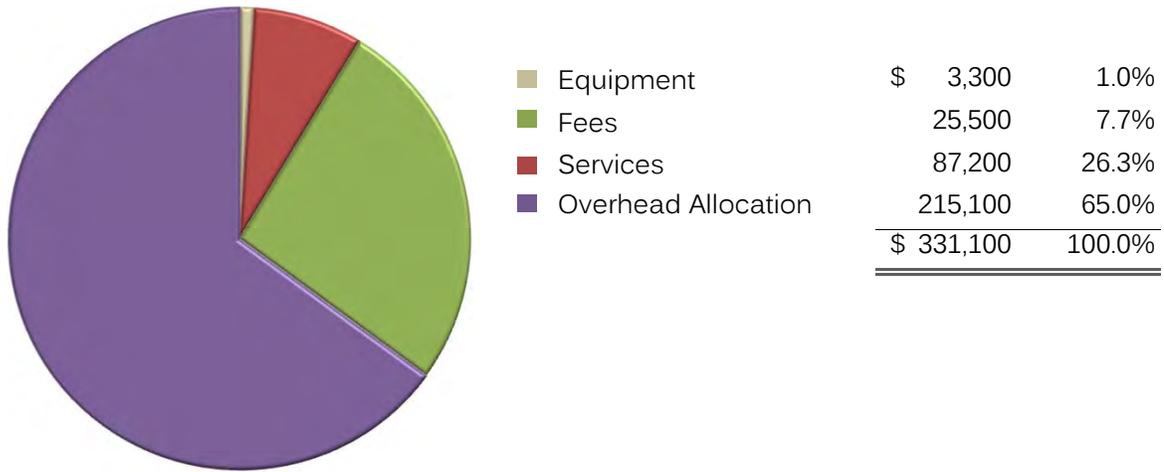
HISTORICAL POWER COSTS, IN THOUSANDS (\$)



Administrative Expenditures - Recycled

	FY 2015	FY 2016	FY 2017	Budget to Budget Variance	
	Actual	Budget	Budget	\$	%
Administrative Expenditures					
Equipment	-	1,300	3,300	2,000	153.8%
Fees	25,587	25,600	25,500	(100)	(0.4%)
Services	57,491	105,200	87,200	(18,000)	(17.1%)
Subtotal before Overhead	\$ 83,078	\$ 132,100	\$ 116,000	\$ (16,100)	(12.2%)
Add: Overhead Allocation	207,284	189,700	215,100	25,400	13.4%
Total Expenditures	\$ 290,362	\$ 321,800	\$ 331,100	\$ 9,300	2.9%

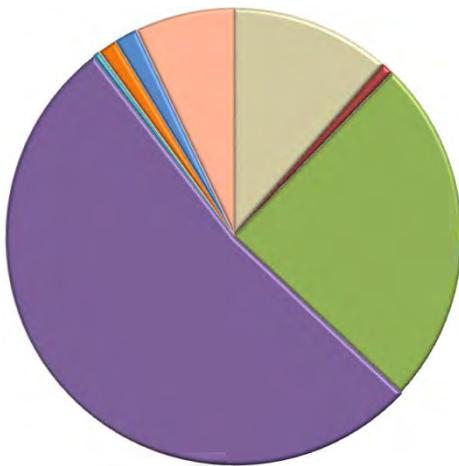
FY 2017 ADMINISTRATIVE EXPENDITURES - RECYCLED



Materials and Maintenance Expenditures - Recycled

	FY 2015	FY 2016		FY 2017	Budget to Budget Variance	
	Actual	Projected	Budget	Budget	\$	%
Materials and Maintenance						
Fuel and Oil	\$ 12,370	\$ 11,046	\$ 15,000	\$ 34,800	\$ 19,800	132.0%
Meters and Materials	865	3,931	700	2,500	1,800	257.1%
Infrastructure Equipment & Supplies	81,933	52,500	72,000	75,400	3,400	4.7%
Chemicals	154,979	135,000	170,600	160,200	(10,400)	(6.1%)
Safety Equipment	1,386	2,112	1,000	1,500	500	50.0%
Laboratory Equipment and Supplies	3,971	3,950	4,000	4,000	-	-
Other Materials and Supplies	3,439	3,246	5,200	5,000	(200)	(3.8%)
Contracted Services	12,047	14,900	19,300	21,600	2,300	11.9%
Total Expenditures	\$ 270,990	\$ 226,685	\$ 287,800	\$ 305,000	\$ 17,200	6.0%

FY 2017 MATERIALS AND MAINTENANCE EXPENDITURES - RECYCLED



Fuel and Oil	\$ 34,800	11.4%
Meters and Materials	2,500	0.8%
Infrastructure Equipment & Supplies	75,400	24.7%
Chemicals	160,200	52.6%
Safety Equipment	1,500	0.5%
Laboratory Equipment and Supplies	4,000	1.3%
Other Materials and Supplies	5,000	1.6%
Contracted Services	21,600	7.1%
Total	\$ 305,000	100.0%

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Operating Budget Summary - Sewer

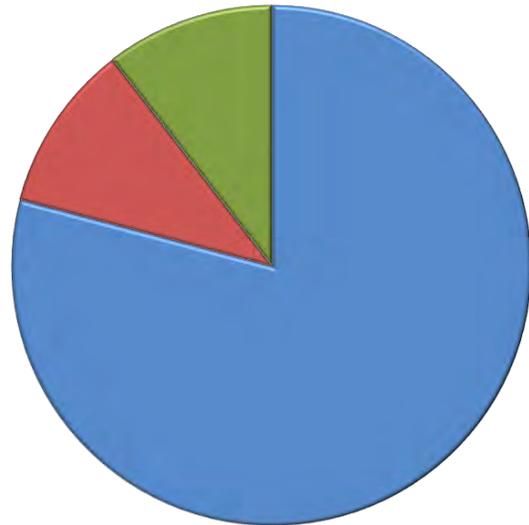
	FY 2015	FY 2016		FY 2017	Budget to Budget Variance	
	Actual	Projected	Budget	Budget	\$	%
Revenues						
Sewer Revenues	\$ 3,009,634	\$ 3,154,186	3,206,300	\$ 2,918,900	\$ (287,400)	(9.0%)
Capacity Fee Revenues	7,510	4,779	-	-	-	(100.0%)
Tax Revenues	44,553	66,464	51,600	51,600	-	0.0%
Non-operating Revenues	33,760	27,900	37,200	35,500	(1,700)	(4.6%)
Interest	8,727	6,563	8,200	4,300	(3,900)	(47.6%)
Transfer from Potable General Fund	553,800	-	-	-	-	(100.0%)
Total Revenue	\$ 3,657,984	\$ 3,259,892	\$ 3,303,300	\$ 3,010,300	\$ (293,000)	(8.9%)
Expenditures						
Power	\$ 167,475	171,886	\$ 176,800	\$ 174,400	\$ (2,400)	(1.4%)
Labor and Benefits	764,133	926,128	681,300	979,300	298,000	43.7%
Administrative Expenses	172,992	191,622	200,800	229,100	28,300	14.1%
Materials and Maintenance	1,325,391	1,156,776	1,156,700	1,042,700	(114,000)	(9.9%)
Subtotal - Operations Costs	\$ 2,429,991	\$ 2,446,412	\$ 2,215,600	\$ 2,425,500	\$ 209,900	9.5%
Transfer to General Fund Reserve	-	-	-	196,100	196,100	100.0%
Betterment Reserve	-	455,000	455,000	351,200	(103,800)	(22.8%)
Replacement Reserve	916,200	599,100	599,100	-	(599,100)	0.0%
Transfer to OPEB	43,800	33,600	33,600	37,500	3,900	11.6%
Subtotal - Reserve Funding	\$ 960,000	\$ 1,087,700	\$ 1,087,700	\$ 584,800	\$ (502,900)	(46.2%)
Total Expenditures	\$ 3,389,991	\$ 3,534,112	\$ 3,303,300	\$ 3,010,300	\$ (293,000)	(8.9%)
Excess Revenue/(Expenditures)	\$ 267,993	\$ (274,220)	\$ -	\$ -	\$ -	

Charges Summary by Service Class - Sewer

	FY 2017		Usage Fee		FY 2016		FY 2017	Budget to Budget Variance	
	Accounts		Current	Proposed ⁽¹⁾	Projected	Budget	Budget	\$	%
Residential	4,552	\$	2.46	\$ 2.58	\$ 1,651,203	\$ 1,572,800	\$ 1,429,300	\$ (143,500)	-9.1%
Multi-Residential	50		2.46	2.58	220,783	187,700	188,600	900	0.5%
Commercial									
Low Strength	45		2.46	2.58	13,146	53,300	48,400	(4,900)	-9.2%
Medium Strength	13		3.53	3.70	43,792	33,600	15,400	(18,200)	-54.2%
High Strength	7		5.63	5.90	22,905	17,500	30,200	12,700	72.6%
Schools	6		2.46	2.46	167,412	109,900	84,600	(25,300)	-23.0%
Churches	4		2.46	2.46	9,957	8,500	10,400	1,900	22.4%
Subtotal Commercial	75				257,211	222,800	189,000	(33,800)	-15.2%
Total Sewer Charges	4,677				\$ 2,129,198	\$ 1,983,300	\$ 1,806,900	\$ (176,400)	-8.9%

FY 2017 CHARGES SUMMARY BY SERVICE CLASS

■ Single-Family	\$ 1,429,300	79.1%
■ Multi-Family	188,600	10.4%
■ Commercial	189,000	10.5%
	\$ 1,806,900	100.0%



⁽¹⁾ Proposed rates for sewer service beginning in January 2017.

System Fees - Sewer

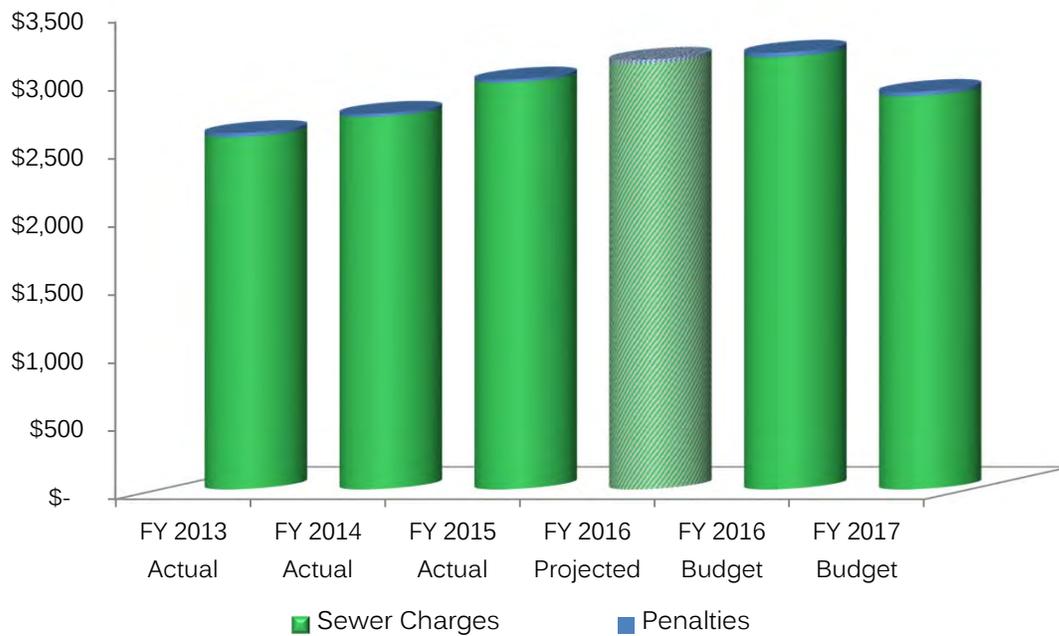
	FY 2017	Current	Proposed ⁽¹⁾	FY 2016		FY 2017	Budget to Budget Variance	
Meter Size	Accounts	Rates	Rates	Projected	Budget	Budget	\$	%
Residential	4,552	\$ 17.19	\$ 15.89	\$ 829,120	\$ 824,900	\$ 903,400	\$ 78,500	9.5%
Multi-Residential/Commercial								
0.75	22	27.07	28.37	6,497	6,700	7,300	600	9.0%
1.00	6	39.89	41.80	2,393	2,800	2,900	100	3.6%
1.50	20	71.82	75.27	16,375	16,800	17,600	800	4.8%
2.00	63	110.17	115.46	80,644	81,400	85,300	3,900	4.8%
3.00	6	199.66	209.24	14,376	14,000	14,800	800	5.7%
4.00	6	327.51	343.23	23,581	23,000	24,200	1,200	5.2%
6.00	1	647.12	678.18	7,765	7,600	8,000	400	5.3%
8.00	-	1,030.67	1,080.14	-	-	-	-	
10.00	1	1,478.12	1,549.07	17,737	17,300	18,200	900	5.2%
Total System Fee	<u>4,677</u>			<u>\$ 998,488</u>	<u>\$ 994,500</u>	<u>\$ 1,081,700</u>	<u>\$ 87,200</u>	

⁽¹⁾ Proposed rates for sewer service beginning in January 2017.

Revenue History - Sewer

	FY 2013	FY 2014	FY 2015	FY 2016		FY 2017
	Actual			Projected	Budget	Budget
Sewer Charges	\$ 2,588,991	\$ 2,736,867	\$ 2,986,734	\$ 3,127,686	\$ 3,173,000	\$ 2,888,600
Penalties	29,300	21,000	22,900	26,500	33,300	30,300
Total	\$ 2,618,291	\$ 2,757,867	\$ 3,009,634	\$ 3,154,186	\$ 3,206,300	\$ 2,918,900

REVENUE HISTORY - SEWER, IN THOUSANDS (\$)



Power Costs - Sewer

	FY 2013	FY 2014	FY 2015	FY 2016		FY 2017	Budget to Budget Variance	
	Actual			Projected	Budget	Budget	\$	%
Total Power Cost	\$ 184,108	\$ 159,018	\$ 167,475	\$ 171,886	\$ 176,800	\$ 174,400	\$ (2,400)	-1.4%

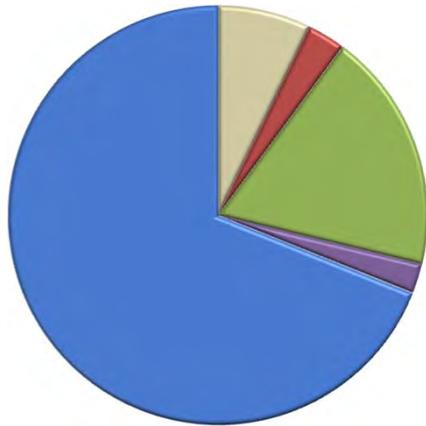
HISTORICAL POWER COSTS, IN THOUSANDS (\$)



Administrative Expenditures - Sewer

	FY 2015	FY 2016		FY 2017	Budget to Budget Variance	
	Actual	Projected	Budget	Budget	\$	%
Administrative Expenditures						
Equipment	\$ 3,575	114	\$ 4,500	\$ 16,500	\$ 12,000	266.7%
Fees	6,715	3,662	2,500	6,700	4,200	168.0%
Services	35,508	29,288	80,000	42,700	(37,300)	(46.6%)
Bad Debt Expense	2,222	3,100	7,000	5,200	(1,800)	(25.7%)
Total	\$ 48,020	\$ 36,164	\$ 94,000	\$ 71,100	\$ (22,900)	(24.4%)
Add: Overhead Allocation	124,972	155,458	106,800	158,000	51,200	47.9%
Total Expenditures	\$ 172,992	\$ 191,622	\$ 200,800	\$ 229,100	\$ 28,300	14.1%

FY 2017 ADMINISTRATIVE EXPENDITURES - SEWER



Equipment	\$ 16,500	7.2%
Fees	6,700	2.9%
Services	42,700	18.6%
Bad Debt Expense	5,200	2.3%
Overhead Allocation	158,000	68.9%
	\$ 229,100	99.9%

Materials and Maintenance Expenditures - Sewer

	FY 2015	FY 2016		FY 2017	Budget to Budget Variance	
	Actual	Projected	Budget	Budget	\$	%
Materials and Maintenance						
Fleet Parts and Equipment	\$ 4,689	6,730	\$ 1,500	\$ 5,000	\$ 3,500	233.3%
Infrastructure Equipment & Supplies	72,609	92,980	115,800	105,600	(10,200)	(8.8%)
Chemicals	4,507	3,466	4,500	4,500	-	-
Safety Equipment	44	-	-	-	-	-
Laboratory Equipment and Supplies	5,221	4,500	5,000	5,000	-	-
Other Materials and Supplies	2,884	200	100	100	-	-
Contracted Services	26,924	52,500	33,400	87,300	53,900	161.4%
Subtotal Materials and Maintenance	\$ 116,878	\$ 160,376	\$ 160,300	\$ 207,500	\$ 47,200	29.4%
Sewer Charges						
Metro O&M Costs	1,020,276	815,000	\$ 815,000	655,000	\$ (160,000)	(19.6%)
Spring Valley Sewer Charge	188,237	181,400	181,400	180,200	(1,200)	(0.7%)
Subtotal Sewer Charges	1,208,513	996,400	996,400	835,200	(161,200)	(16.2%)
Total Expenditures	\$ 1,325,391	\$ 1,156,776	\$ 1,156,700	\$ 1,042,700	\$ (114,000)	(9.9%)

FY 2017 MATERIALS AND MAINTENANCE EXPENDITURES - SEWER



(1) Includes Other Materials & Supplies.

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General Revenues ⁽¹⁾

	FY 2015	FY 2016		FY 2017	Budget to Budget Variance	
	Actual	Projected	Budget	Budget	\$	%
Fee Revenues						
Capacity Fee Revenues	\$ 1,312,108	\$ 1,333,993	\$ 1,134,800	\$ 1,248,200	\$ 113,400	10.0%
Betterment Fees for Maintenance	188,123	-	-	-	-	0.0%
Subtotal Fee Revenues	1,500,231	1,333,993	1,134,800	1,248,200	113,400	10.0%
Tax Revenues						
1% General Tax	3,128,961	3,578,243	3,213,000	3,354,800	141,800	4.4%
Availability Fees	685,555	503,273	684,900	678,300	(6,600)	(1.0%)
Subtotal Tax Revenues	3,814,516	4,081,516	3,897,900	4,033,100	135,200	3.5%
General Revenue	\$ 5,314,747	\$ 5,415,508	\$ 5,032,700	\$ 5,281,300	\$ 248,600	4.9%

Non-Operating Revenues ⁽¹⁾

	FY 2015	FY 2016		FY 2017	Budget to Budget Variance	
	Actual	Projected	Budget	Budget	\$	%
Property Rental	\$ 1,232,920	\$ 1,286,201	\$ 1,269,800	\$ 1,310,300	40,500	3.2%
Sewer Billing Fees	375,741	315,724	375,500	383,100	7,600	2.0%
Set-up Fee for Lease Site	24,500	4,500	-	-	-	0.0%
Revenue from Shared Facility	33,760	27,900	37,200	35,500	(1,700)	(4.6%)
Miscellaneous	737,454	331,801	191,100	450,400	259,300	135.7%
Non-Operating Revenue	\$ 2,404,375	\$ 1,966,125	\$ 1,873,600	\$ 2,179,300	\$ 305,700	16.3%

General and Non-Operating Revenues by Business ⁽¹⁾

	FY 2017			
	Potable	Recycled	Sewer	Total
Capacity Fee Revenues	\$ 1,248,200	\$ -	\$ -	\$ 1,248,200
1% General Tax	3,354,800	-	-	3,354,800
Availability Fees	626,700	-	51,600	678,300
Property Rental	1,310,300	-	-	1,310,300
Sewer Billing Fees	383,100	-	-	383,100
Revenue from Shared Facility	-	-	35,500	35,500
Miscellaneous	450,400	-	-	450,400
Total General and Non-Operating Revenue	\$ 7,373,500	\$ -	\$ 87,100	\$ 7,460,600

⁽¹⁾ For General and Non-Operating Revenues, the Potable Fund serves as the District's General Fund for accounting purposes.

General Expense

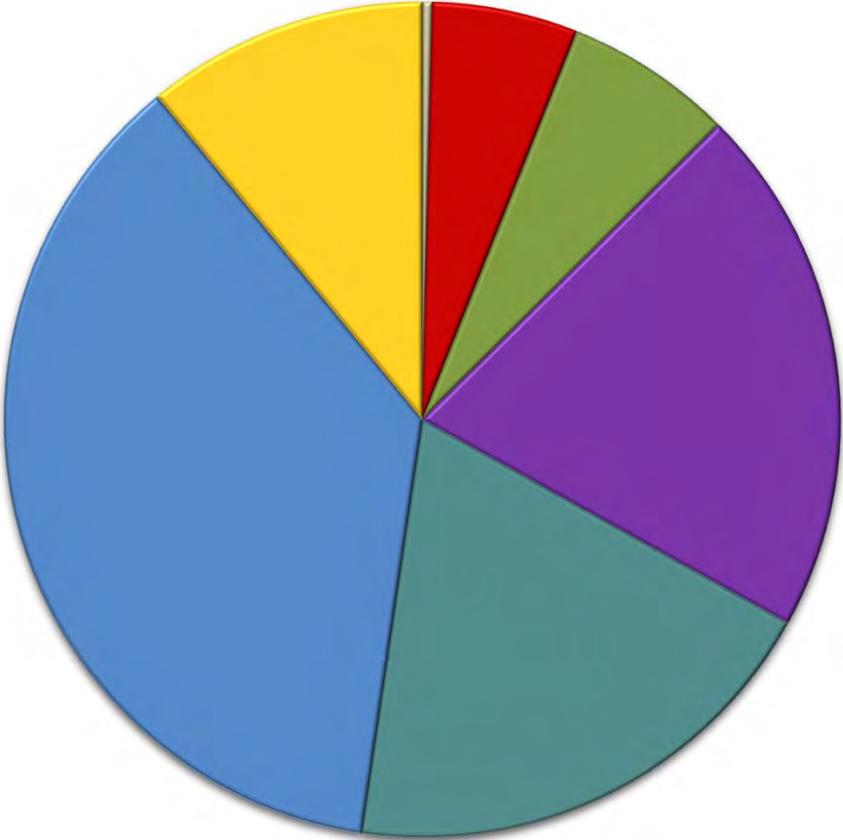
	FY 2015	FY 2016		FY 2017	Budget to Budget Variance	
	Actual	Projected	Budget	Budget	\$	%
General Expense						
Labor and Benefits ⁽¹⁾	\$ 1,487,720	\$ 1,405,623	\$ 1,183,400	\$ 1,181,400	\$ (2,000)	(0.2%)
Legal Fees	174,636	\$ 187,198	\$ 250,000	250,000	-	0.0%
General Insurance	645,410	586,000	586,000	575,000	(11,000)	(1.9%)
Services	1,257	-	-	-	-	0.0%
Total General Expense	\$ 2,309,023	\$ 2,178,821	\$ 2,019,400	\$ 2,006,400	\$ (13,000)	(0.6%)

⁽¹⁾ Benefits include District-wide labor and benefit costs not attributable to any one department, such as the effect of cost of living raises on accrued leave liabilities or the Other Post Employment Benefit (OPEB) costs. These costs are netted against the District's anticipated Vacancy Factor. The Vacancy Factor for FY 2016 and FY 2017 is \$338,300 and \$198,700, respectively. Additionally, the labor and benefits shown on this schedule are those related to operating costs and does not include CIP labor and benefit costs.

Departmental Operating Budget

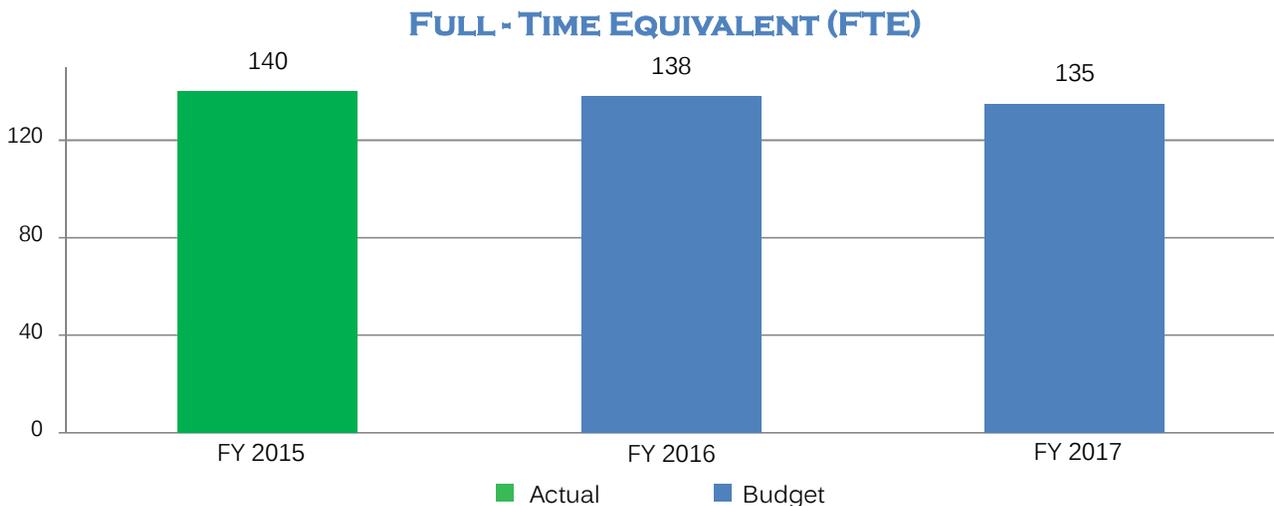
Board of Directors	\$ 117,300	0.4%
General Manager	1,737,600	5.6%
General Expense	2,006,300	6.5%
Administrative Services	6,324,800	20.6%
Finance	5,921,000	19.3%
Water Operations	11,309,200	36.7%
Engineering	3,365,600	10.9%
	<u>\$ 30,781,800</u>	<u>100.0%</u>

**TOTAL FY 2017 DEPARTMENTAL OPERATING BUDGET
\$30,781,800**



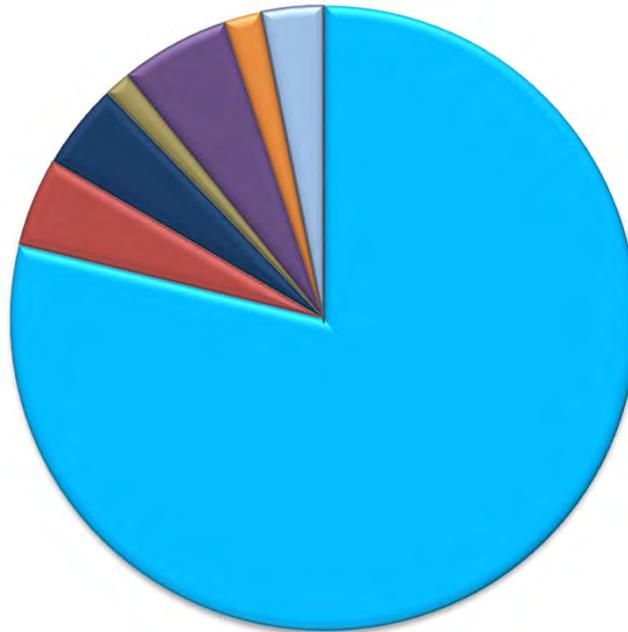
Labor and Benefits

	FY 2015	FY 2016		FY 2017	Budget to Budget Variance	
	Actual	Projection	Budget	Budget	\$	%
Labor Costs	\$ 11,177,926	\$ 11,247,833	\$ 11,487,900	\$ 11,644,900	\$ 157,000	1.4%
Benefits						
Pension	3,575,595	3,827,976	3,885,300	4,161,600	276,300	7.1%
Employee Assistance Program	3,755	3,851	4,000	4,200	200	5.0%
Workers' Compensation	261,821	244,427	260,000	265,900	5,900	2.3%
Health/Dental/Life Insurance/OPEB	3,611,579	3,851,244	4,012,200	4,072,500	60,300	1.5%
Social Security/Medicare	927,579	938,873	948,200	962,700	14,500	1.5%
Salary Continuation Insurance	56,144	50,052	67,800	89,500	21,700	32.0%
State Unemployment Insurance	9,998	15,566	30,000	30,000	-	0.0%
Vacation/Sick/Holiday/Other Leave	2,277,556	2,362,669	2,195,300	2,263,000	67,700	3.1%
Total Benefits	\$ 10,724,027	\$ 11,294,658	\$ 11,402,800	\$ 11,849,400	\$ 446,600	3.9%
Total Labor and Benefits	\$ 21,901,953	\$ 22,542,491	\$ 22,890,700	\$ 23,494,300	\$ 603,600	2.6%
Less: Non-Operating Labor and Benefits						
Labor Costs	1,062,022	977,519	1,048,100	1,060,800	12,700	1.2%
Benefits Allocation	661,849	649,738	700,500	763,200	62,700	9.0%
Total Non-Operating Labor and Benefits	\$ 1,723,871	\$ 1,627,257	\$ 1,748,600	\$ 1,824,000	\$ 75,400	4.3%
Operating Labor & Benefits	20,178,082	20,915,234	21,142,100	21,670,300	528,200	2.5%
Total Overhead Allocation	1,221,325	1,124,147	1,205,300	1,219,900	14,600	1.2%
Less: Admin Portion of Overhead (36.85%)	450,058	414,248	444,200	449,500	5,300	1.2%
Total Overhead Allocation Personnel Portion	\$ 771,267	\$ 709,899	\$ 761,100	\$ 770,400	\$ 9,300	1.2%
Net Operating Labor and Benefits	\$ 19,406,815	\$ 20,205,335	\$ 20,381,000	\$ 20,899,900	\$ 518,900	2.5%



Labor and Benefits by Fund - Fiscal Year 2017

	Potable	Recycled	Sewer	Developer Reimbursed-CIP	Total
Operating Labor Costs	\$ 9,677,500	\$ 507,600	\$ 397,000	\$ -	\$ 10,582,100
Benefits	10,263,500	462,800	358,800	-	11,085,100
Overhead Allocation-Personnel	(1,428,600)	368,600	288,400	-	(771,600)
Total Operating Labor and Benefits	\$ 18,512,400	\$ 1,339,000	\$ 1,044,200	\$ -	\$ 20,895,600
CIP Labor Costs	443,200	186,200	135,800	297,300	1,062,500
Benefits	316,500	132,800	86,300	229,100	764,700
Overhead Allocation-Personnel	321,900	135,200	98,600	215,900	771,600
Total CIP Labor and Benefits	\$ 1,081,600	\$ 454,200	\$ 320,700	\$ 742,300	\$ 2,598,800
Total Labor and Benefits	\$ 19,594,000	\$ 1,793,200	\$ 1,364,900	\$ 742,300	\$ 23,494,400



Potable-Operating	\$ 18,512,400	78.8%
Potable-CIP	1,081,600	4.6%
Sewer-Operating	1,044,200	4.4%
Sewer-CIP	320,700	1.4%
Recycle-Operating	1,339,000	5.7%
Recycle-CIP	454,200	1.9%
Developer Reimbursed-CIP	742,300	3.2%
	\$ 23,494,400	100.0%

Position Count by Department

	FY 2015	FY 2016	FY 2017
<u>GENERAL MANAGER:</u>			
General Manager	1	1	1
Assistant General Manager	1	1	1
District Secretary	1	1	1
Sr. Confidential Executive Secretary	1	1	1
Communications Officer	1	1	1
Communications Assistant	0	0	1
General Manager	5	5	6
Total - General Manager Department	5	5	6
FTE	5	5	6
<u>ADMINISTRATIVE SERVICES:</u>			
Chief, Administrative Services	1	0	1
Assistant Chief, Administrative Services	0	1	0
Confidential Executive Secretary	1	1	1
Confidential Secretary	1	1	1
Administrative Services	3	3	3
<u>HUMAN RESOURCES:</u>			
Human Resources Manager	1	1	1
Senior Human Resources Analyst	1	1	1
Human Resources Analyst	1	1	1
Human Resources	3	3	3
<u>PURCHASING:</u>			
Purchasing and Facilities Manager	1	1	1
Senior Buyer	1	1	1
Assistant Buyer	1	1	0
Senior Warehouse Worker	0	0	1
Lead Warehouse/Facilities Worker	1	0	0
Warehouse/Delivery Worker	1	1	0
Facilities Maintenance Technician	2	2	2
Purchasing	7	6	5
<u>SAFETY:</u>			
Safety & Security Specialist	1	1	1
Safety	1	1	1

	FY 2015	FY 2016	FY 2017
<u>INFORMATION TECHNOLOGY (IT):</u>			
Chief Information Officer	1	1	0
IT Manager	1	1	1
GIS Manager	1	1	1
GIS Programmer/Analyst	1	1	1
GIS Analyst	1	1	1
GIS Technician	1	1	1
Network Engineer	1	1	1
Database Administrator	1	1	1
Data Systems Technician	0	1	1
Lead Business System Analyst	1	0	0
System Support Analyst	0	1	1
Business System Analyst I and II	2	2	2
Network Analyst	1	1	0
Information Technology	12	13	11
Total Administrative Services Department	26	26	23
FTE	26	26	23

CONTROLLER AND BUDGETARY SERVICES:

Chief Financial Officer	1	1	1
Executive Secretary	1	1	1
Secretary	1	1	1
Finance Manager, Controller and Budget	1	1	1
Senior Accountant	2	2	2
Accountant	1	1	1
Accounting Technician	1	1	1
Controller and Budgetary Services	8	8	8

TREASURY AND ACCOUNTING SERVICES:

Finance Manager, Treasury and Accounting	1	1	1
Senior Accountant	2	2	2
Accountant	2	2	2
Accounting Technician	1	1	1
Treasury and Accounting Services	6	6	6

CUSTOMER SERVICE:

Customer Service Manager	2	2	1
Customer Service Supervisor	0	0	1
Lead Customer Service Representative	2	2	1
Customer Service Representative I, II, III	7	6	6
Lead Customer Service Field Representative	1	1	1
Customer Service Field Representative I and II	3	2	2
Customer Service	15	13	12

	FY 2015	FY 2016	FY 2017
<u>CONSERVATION:</u>			
Sr. Water Conservation Specialist	1	1	1
Conservation	1	1	1
<u>METER MAINTENANCE:</u>			
Lead Cross Connection/Meter Maintenance Worker	1	1	1
Meter Maintenance Worker I & II	3	3	3
Meter Maintenance	4	4	4
Total Finance Department	34	32	31
FTE	34	32	31

OPERATIONS MANAGEMENT:

Chief, Water Operations	1	1	1
Assistant Chief, Water Operations	0	1	1
Executive Secretary	1	1	1
Operations Management	2	3	3

WATER SYSTEM OPERATIONS:

System Operations Manager	1	1	1
Water Systems Supervisor	1	1	1
Recycled Water Systems Supervisor	1	1	0
Lead Water Systems Operator	2	2	2
Water Systems Operator I, II, and III	9	8	8
Valve Maintenance Worker	1	0	0
Senior SCADA Instrumentation Technician	0	0	2
Sr. Disinfection Technician	2	2	2
Recycled Water Distribution Operator	4	4	0
Water System Operations	21	19	16

UTILITY MAINTENANCE/CONSTRUCTION:

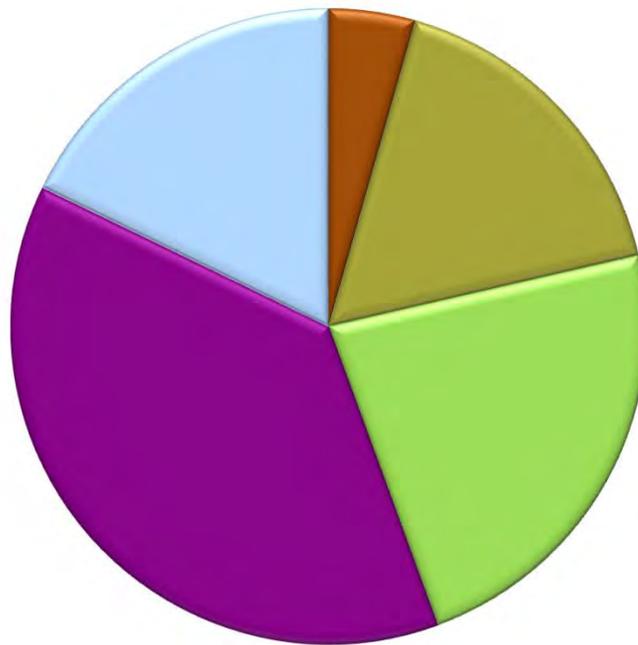
Utility Services Manager	1	0	0
Utility Maintenance Supervisor	2	2	2
Utility Crew Leader	3	3	3
Utility Workers I and II	8	8	8
Senior Utility/Equipment Operator	3	3	3
Valve Maintenance Worker	0	2	2
Pump Electrical Supervisor	1	1	1
Electrician I and II	2	2	2
Pump Mechanic I and II	2	2	2
Fleet Maintenance Supervisor	1	1	1
Equipment Mechanic I and II	3	3	3
Utility Maintenance/Construction	26	27	27

	FY 2015	FY 2016	FY 2017
<u>COLLECTION/TREATMENT/RECLAMATION OPERATIONS:</u>			
Reclamation Plant Supervisor	1	1	1
Lead Reclamation Plant Operator	1	1	1
Reclamation Plant Operator I, II, III	2	2	2
Senior SCADA Instrumentation Technician	1	2	0
SCADA Instrumentation Technician	1	0	0
Laboratory Analyst	1	1	1
Collection/Treatment/Reclamation Operations	7	7	5
Total Operations Department	56	56	51
FTE	56	56	51
<u>ENGINEERING MANAGEMENT:</u>			
Chief, Engineering	1	1	1
Executive Secretary	1	1	1
Secretary	1	1	1
Engineering Management	3	3	3
<u>ENGINEERING:</u>			
Engineering Manager	2	2	2
Senior Civil Engineer	2	2	2
Construction Management Specialist	0	0	0
Associate Civil Engineer	0	1	1
Assistant Civil Engineer I and II	1	0	0
Environmental Compliance Specialist	1	1	1
Permit Technicians	2	2	2
Senior Engineering Technician	2	2	2
Field Services Manager	0	1	1
Recycled Water Systems Supervisor	0	0	1
Recycled Water Distribution Operator	0	0	3
Inspection Supervisor	1	0	1
Lead Construction Inspector	0	1	0
Construction Inspectors I and II	3	2	3
Supervising Land Surveyor	1	1	1
Assistant Survey Technician	1	1	1
Engineering	16	16	21
Total Engineering Department	19	19	24
FTE	19	19	24
District Total Position Count	140	138	135
FTE	140	138	135

Contract / Temporary Employees

	FY 2015	FY 2016	FY 2017
Lab Intern	0	0	1
Senior Civil Engineer	1	0	0
Total Contract/Temporary Employees	1	0	1

FY 2017 POSITION COUNT BY DEPARTMENT

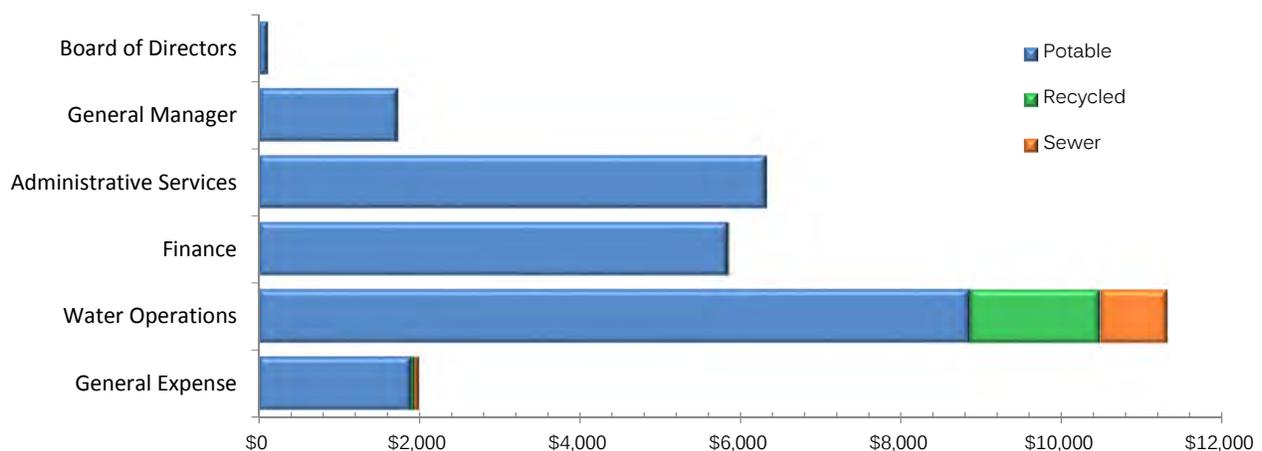


■ General Manager	6.00	4.4%
■ Administrative Services	23.00	17.0%
■ Finance	31.00	23.0%
■ Operations	51.00	37.8%
■ Engineering	24.00	17.8%
Total	<u>135.00</u>	<u>100.0%</u>

Operating Expenditures by Department

	FY 2015	FY 2016		FY 2017	Budget to Budget
	Actual	Projected	Budget	Budget	Variance
Departmental Expenditures					
Board of Directors	\$ 95,949	\$ 103,573	\$ 107,100	\$ 120,300	\$13,200
General Manager	1,386,637	1,513,118	1,605,900	1,737,600	131,700
General Expense	2,309,023	2,178,821	2,019,400	2,006,400	(13,000)
Administrative Services	6,338,873	5,888,522	6,681,800	6,324,900	(356,900)
Finance	5,496,511	5,609,180	6,128,400	5,858,600	(269,800)
Water Operations	9,991,323	10,737,088	10,911,400	11,316,700	405,300
Engineering	2,853,591	3,139,741	3,132,900	3,361,700	228,800
Total Departmental Expenditures	\$ 28,471,907	\$ 29,170,043	\$ 30,586,900	\$ 30,726,200	\$ 139,300
Less: Overhead Allocation	(1,221,325)	(1,124,147)	(1,205,300)	(1,219,900)	(14,600)
Net Departmental Expenditures	\$ 27,250,582	\$ 28,045,896	\$ 29,381,600	\$ 29,506,300	\$ 124,700
Non-Departmental Expenditures					
Water Purchases	\$ 46,249,959	\$ 42,600,573	\$ 45,984,500	\$ 47,422,400	\$ 1,437,900
Power	3,048,335	2,866,383	3,112,800	2,938,000	(174,800)
Transfer to General Fund Reserve	-	-	-	1,482,500	1,482,500
Expansion Reserve	2,538,900	2,695,800	2,695,800	4,093,600	1,397,800
Betterment Reserve	3,530,000	2,400,000	2,400,000	3,466,400	1,066,400
Replacement Reserve	3,270,200	3,421,000	3,421,000	464,500	(2,956,500)
Transfer to Sewer General Fund	553,800	-	-	1,371,800	1,371,800
Transfer to General Fund Reserve	1,583,800	-	-	-	-
Transfer to Sewer Replacement	127,000	1,199,300	1,199,300	-	(1,199,300)
Transfer to OPEB	647,100	1,006,000	1,006,000	961,000	(45,000)
Transfer to New Supply Reserve	705,000	35,000	35,000	35,000	-
Total Non-Departmental Expenditure	\$ 62,254,094	\$ 56,224,056	\$ 59,854,400	\$ 62,235,200	\$ 2,380,800
Total Operating Expenditures	\$ 89,504,676	\$ 84,269,952	\$ 89,236,000	\$ 91,741,500	\$ 2,505,500

FY 2017 FUNDING SOURCE BY DEPARTMENT, IN MILLIONS (\$)



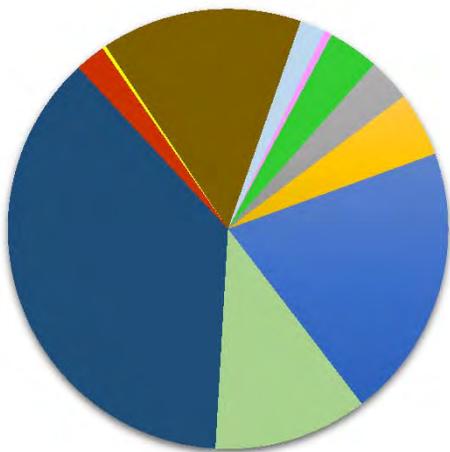
Operating Expenditures by Object

	FY 2015	FY 2016		FY 2017	Budget to Budget
	Actual	Projected	Budget	Budget	Variance
Departmental Expenditures					
Labor and Benefits	\$ 20,177,577	\$ 20,915,234	\$ 21,142,100	\$ 21,670,200	\$ 528,100
Director's Fees	20,382	23,400	30,000	33,000	3,000
Travel and Meetings	158,205	165,042	214,400	208,600	(5,800)
Conservation and Outreach	144,026	163,480	176,900	177,400	500
General Office Expense	257,756	252,748	284,700	265,500	(19,200)
Equipment	1,234,104	999,540	1,113,000	1,129,100	16,100
Fees	1,334,848	1,273,224	1,306,900	1,457,800	150,900
Services	1,619,936	1,827,278	2,409,800	2,082,400	(327,400)
Training	77,232	66,335	99,000	126,000	27,000
Materials & Maintenance	2,131,153	2,371,757	2,615,700	2,621,100	5,400
Power and Utilities	14,184	21,500	14,900	14,900	-
Sewer Charges	1,208,513	996,400	996,400	835,200	(161,200)
Bad Debt Expense	93,491	94,105	155,000	105,000	(50,000)
Total Departmental Expenditures	\$ 28,471,407	\$ 29,170,043	\$ 30,558,800	\$ 30,726,200	\$ 167,400
Less: Overhead Allocation	(1,221,325)	(1,124,147)	(1,205,300)	(1,219,900)	(14,600)
Net Departmental Expenditures	\$ 27,250,082	\$ 28,045,896	\$ 29,353,500	\$ 29,506,300	\$ 152,800
Non-Departmental Expenditures					
Water Purchases	\$ 46,249,959	\$ 42,600,573	\$ 45,984,500	\$ 47,422,400	\$ 1,437,900
Power	3,048,335	2,866,383	3,112,800	2,938,000	(174,800)
Transfer to General Fund Reserve	-	-	-	1,482,500	1,482,500
Expansion Reserve	2,538,900	2,695,800	2,695,800	4,093,600	1,397,800
Betterment Reserve	3,530,000	2,400,000	2,400,000	3,466,400	1,066,400
Replacement Reserve	3,270,200	3,421,000	3,421,000	464,500	(2,956,500)
Transfer to Sewer General Fund	553,800	-	-	1,371,800	1,371,800
Transfer to General Fund Reserve	1,583,800	-	-	-	-
Transfer to Sewer Replacement	127,000	1,199,300	1,199,300	-	(1,199,300)
Transfer to OPEB	647,100	1,006,000	1,006,000	961,000	(45,000)
Transfer to New Supply Fund	705,000	35,000	35,000	35,000	-
Total Non-Departmental Expenditures	\$ 62,254,094	\$ 56,224,056	\$ 59,854,400	\$ 62,235,200	\$ 2,380,800
Total Operating Expenditures	\$ 89,504,176	\$ 84,269,952	\$ 89,207,900	\$ 91,741,500	\$ 2,533,600

Administrative Expenditures - Total

	FY 2015	FY 2016		FY 2017	Budget to Budget Variance	
	Actual	Projected	Budget	Budget	\$	%
Administrative Expenditures						
Directors' Fees	\$ 20,382	\$ 23,400	\$ 30,000	\$ 33,000	\$ 3,000	10.0%
Travel and Meetings	158,205	165,042	214,400	208,600	(5,800)	(2.7%)
Conservation and Outreach	144,026	163,480	176,900	177,400	500	0.3%
General Office Expense	257,756	252,748	284,700	265,500	(19,200)	(6.7%)
Equipment	1,233,988	999,540	1,112,300	1,129,100	16,800	1.5%
Fees	513,545	500,026	499,000	632,800	133,800	26.8%
Services	1,619,936	1,827,278	2,409,800	2,082,400	(327,400)	(13.6%)
Training	77,232	66,335	99,000	126,000	27,000	27.3%
Utilities	14,184	21,500	14,900	14,900	-	0.0%
General Expenses	821,303	773,198	836,000	825,000	(11,000)	(1.3%)
Bad Debt Expense	93,491	94,105	155,000	105,000	(50,000)	(32.3%)
Subtotal before Overhead	\$ 4,954,048	\$ 4,886,652	\$ 5,832,000	\$ 5,599,700	(232,300)	(4.0%)
Less: Overhead Allocation	(450,058)	(414,248)	(444,200)	(449,600)	(5,400)	1.2%
Total Expenditures	\$ 4,503,990	\$ 4,472,404	\$ 5,387,800	\$ 5,150,100	\$ (237,700)	(4.4%)

FY 2017 TOTAL ADMINISTRATIVE EXPENDITURES, IN THOUSANDS (\$)



Directors' Fees	\$ 33,000	0.6%
Travel and Meetings	208,600	3.7%
Conservation & Outreach	177,400	3.2%
General Office Expense	265,500	4.7%
Equipment	1,129,100	20.1%
Fees	632,800	11.3%
Services	2,082,400	37.2%
Training	126,000	2.3%
Utilities	14,900	0.3%
General Expense	825,000	14.7%
Bad Debt Expense	105,000	1.9%
	\$ 5,599,700	100.0%

Less: Overhead Allocation	(449,600)
Total Administrative Expenses	\$ 5,150,100

Materials and Maintenance Expenditures - Total

	FY 2015	FY 2016		FY 2017	Budget to Budget Variance	
	Actual	Projected	Budget	Budget	\$	%
Materials and Maintenance						
Fuel and Oil	\$ 196,397	\$ 224,410	\$ 250,600	\$ 242,300	\$ (8,300)	(3.3%)
Meters and Materials	111,821	138,267	113,800	159,200	45,400	39.9%
Fleet Parts and Equipment	123,056	133,912	128,900	129,800	900	0.7%
Infrastructure Equipment & Supplies	512,739	601,730	621,300	626,700	5,400	0.9%
Chemicals	349,655	331,000	400,600	364,300	(36,300)	(9.1%)
Safety Equipment	40,773	77,397	127,300	52,500	(74,800)	(58.8%)
Laboratory Equipment and Supplies	43,847	40,000	40,000	45,300	5,300	13.3%
Other Materials and Supplies	180,188	161,118	190,500	182,300	(8,200)	(4.3%)
Building and Grounds Materials	55,375	50,000	47,900	56,000	8,100	16.9%
Contracted Services	517,413	613,923	695,500	762,700	67,200	9.7%
Subtotal Materials and Maintenance	\$ 2,131,264	\$ 2,371,757	\$ 2,616,400	\$ 2,621,100	\$ 4,700	0.2%
Sewer Charges						
Metro O&M Costs	1,020,276	\$ 815,000	\$ 815,000	655,000	\$ (160,000)	(19.6%)
Spring Valley Sewer Charge	188,237	181,400	181,400	180,200	(1,200)	(0.7%)
Subtotal Sewer Charges	\$ 1,208,513	\$ 996,400	\$ 996,400	\$ 835,200	\$ (161,200)	(16.2%)
Total Expenditures	\$ 3,339,777	\$ 3,368,157	\$ 3,612,800	\$ 3,456,300	\$ (156,500)	(4.3%)

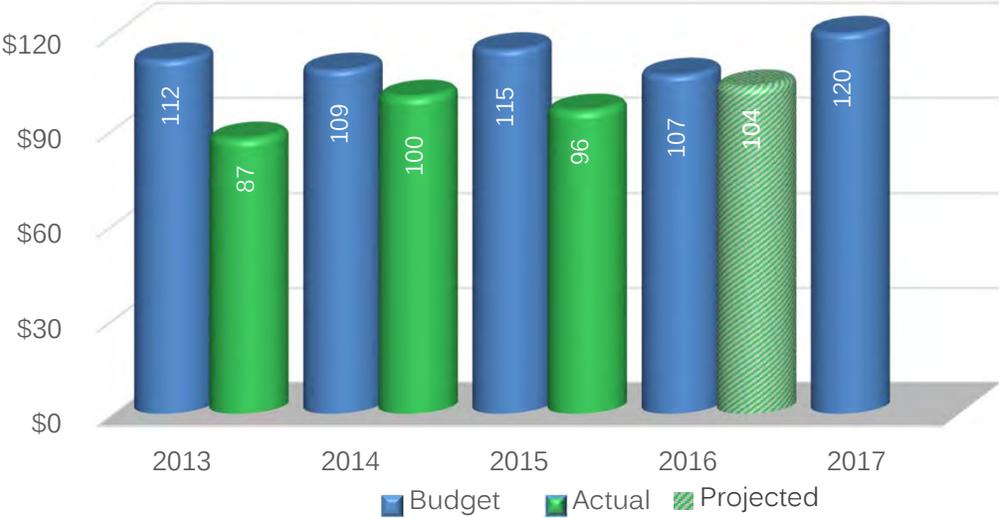
FY 2017 MATERIALS AND MAINTENANCE EXPENDITURES



Board of Directors

	FY 2015	FY 2016		FY 2017
	Actual	Projected	Budget	Budget
Benefits	\$ 69,094	\$ 72,923	\$ 61,600	\$ 71,800
Director's Fees	20,382	23,400	30,000	33,000
Travel and Meetings	6,473	7,250	15,500	15,500
Total Expenses	\$ 95,949	\$ 103,573	\$ 107,100	\$ 120,300

BUDGET VS. ACTUAL, IN THOUSANDS (\$)



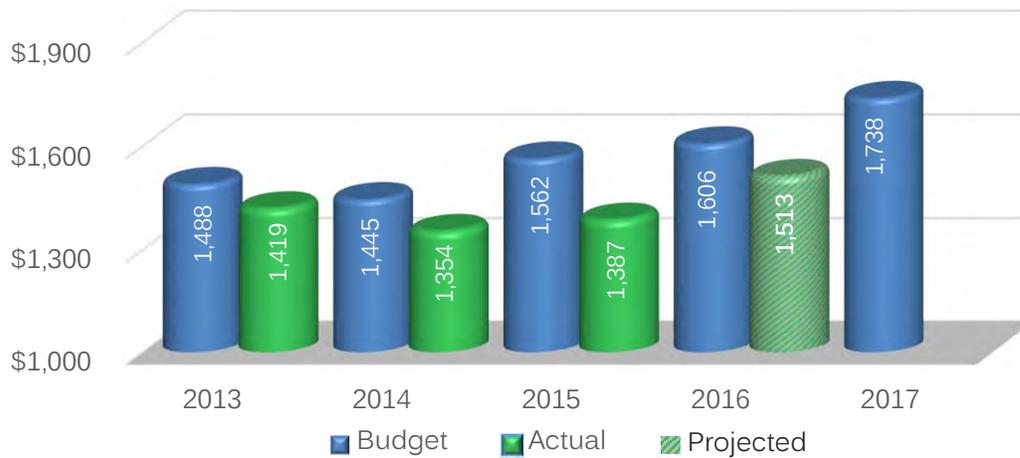
OTAY WATER DISTRICT
 DIVISION 1111 - BOARD OF DIRECTORS
 FISCAL YEAR 2017 BUDGET

	FY 2015	FY 2016		FY 2017
	Actual	Projected	Budget	Budget
Total Labor and Benefits	\$ 69,094	\$ 72,923	\$ 61,600	\$ 71,800
Administrative Expenses				
Mileage	2,280	2,280	2,500	2,500
Travel Expenses	1,902	1,900	7,800	7,800
Conferences and Seminars	1,740	1,740	4,000	4,000
Business Meetings	551	1,330	1,200	1,200
Director's Fees	20,382	23,400	30,000	33,000
Total Administrative Expenses	\$ 26,855	\$ 30,650	\$ 45,500	\$ 48,500
Total Expenses	\$ 95,949	\$ 103,573	\$ 107,100	\$ 120,300

General Manager

	FY 2015	FY 2016		FY 2017
	Actual	Projected	Budget	Budget
Labor and Benefits	\$ 1,152,471	\$ 1,184,559	\$ 1,199,600	\$ 1,349,200
Travel and Meetings	44,127	44,409	54,600	54,700
Conservation and Outreach	4,061	9,780	6,000	6,000
General Office Expense	2,449	1,008	1,700	1,700
Equipment	2,400	2,953	3,000	3,000
Fees	57,930	49,181	48,000	81,000
Services	123,049	190,000	193,000	122,000
Materials & Maintenance	-	31,123	100,000	120,000
Miscellaneous	150	105	-	-
Total Expenses	\$ 1,386,637	\$ 1,513,118	\$ 1,605,900	\$ 1,737,600

BUDGET VS. ACTUAL, IN THOUSANDS (\$)



OTAY WATER DISTRICT
 DIVISION 1211 - GENERAL MANAGER
 FISCAL YEAR 2017 BUDGET

	FY 2015	FY 2016		FY 2017
	Actual	Projected	Budget	Budget
Total Labor and Benefits	\$ 827,495	\$ 852,678	\$ 860,600	\$ 1,000,100
Administrative Expenses				
Mileage	2,457	2,800	3,000	3,000
Travel Expenses	284	1,665	5,000	5,000
Conferences and Seminars	1,417	1,843	5,000	5,000
Business Meetings	13,597	10,000	10,000	10,000
Membership and Dues	26,156	28,000	28,000	28,000
Public Recognition Awards	4,061	9,780	6,000	6,000
Books, Periodicals and Subscriptions	1,984	609	1,200	1,200
Office Supplies	314	399	-	-
Printing Expenses	151	-	-	-
Maintenance and Parts	2,400	2,953	3,000	3,000
Regulatory Agencies Fees	57,930	49,181	48,000	81,000
Outside Services	123,049	190,000	193,000	122,000
Bad Debt	150	105	-	-
Total Administrative Expenses	\$ 233,950	\$ 297,335	\$ 302,700	\$ 264,700
Materials and Maintenance Expenses				
Contracted Services	-	31,123	100,000	120,000
Total Materials and Maintenance	\$ -	\$ 31,123	\$ 100,000	\$ 120,000
Total Expenses	\$ 1,061,445	\$ 1,181,136	\$ 1,263,300	\$ 1,384,800

OTAY WATER DISTRICT
 DIVISION 2111 - ASSISTANT GENERAL MANAGER
 FISCAL YEAR 2017 BUDGET

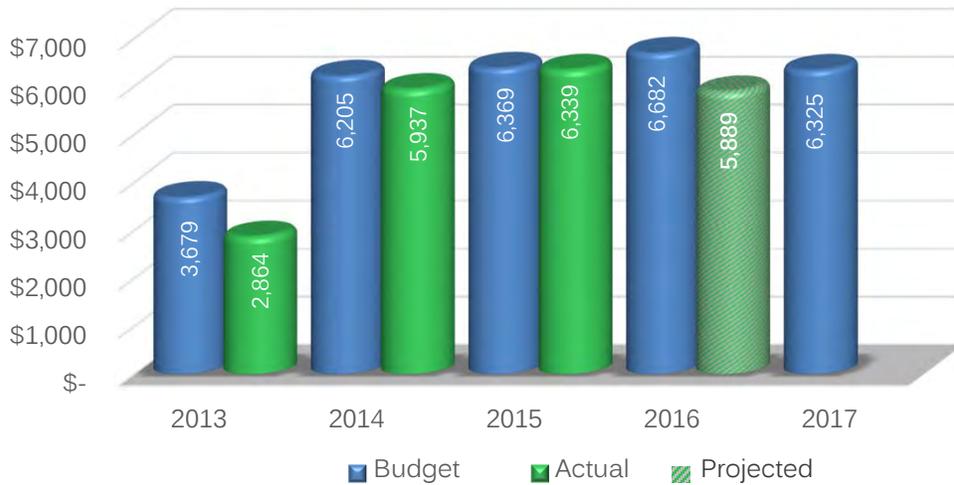
	FY 2015	FY 2016		FY 2017
	Actual	Projected	Budget	Budget
Total Labor and Benefits	\$ 324,976	\$ 331,881	\$ 339,000	\$ 349,100
Administrative Expenses				
Travel Expenses	-	-	1,500	1,500
Conferences and Seminars	12	-	2,000	2,000
Business Meetings	204	101	100	200
Total Administrative Expenses	\$ 216	\$ 101	\$ 3,600	\$ 3,700
Total Expenses	\$ 325,192	\$ 331,982	\$ 342,600	\$ 352,800

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Administrative Services

	FY 2015	FY 2016		FY 2017
	Actual ⁽¹⁾	Projected	Budget ⁽¹⁾	Budget
Labor and Benefits	\$ 4,043,199	\$ 3,961,992	\$ 4,392,600	\$ 4,074,300
Travel and Meetings	43,021	39,080	50,000	52,100
General Office Expense	101,102	90,944	107,400	94,000
Equipment	1,199,608	958,103	1,065,300	1,064,800
Fees	750	977	-	-
Services	522,412	377,927	541,600	552,000
Training	63,592	52,699	77,000	103,000
Materials & Maintenance	351,005	385,300	433,000	369,800
Power and Utilities	14,184	21,500	14,900	14,900
Total Expenses	\$ 6,338,873	\$ 5,888,522	\$ 6,681,800	\$ 6,324,900

BUDGET VS. ACTUAL, IN THOUSANDS (\$)



⁽¹⁾ In FY 2017, IT and Strategic Planning was consolidated into Administrative Services. Prior year budget and actuals have been adjusted for comparative purposes.

OTAY WATER DISTRICT
 DIVISION 2211 - ADMINISTRATIVE AND IT CHIEF
 FISCAL YEAR 2017 BUDGET

	FY 2015	FY 2016		FY 2017
	Actual	Projected	Budget	Budget
Total Labor and Benefits	\$ 1,388,931	\$ 834,040	\$ 805,700	\$ 544,200
Administrative Expenses				
Mileage	137	15	600	600
Travel Expenses	2,773	1,879	2,000	2,000
Conferences and Seminars	5,265	941	6,000	6,000
Business Meetings	90	36	1,200	1,200
Membership and Dues	-	715	800	800
Required Training	-	-	-	1,000
Total Administrative Expenses	\$ 8,265	\$ 3,586	\$ 10,600	\$ 11,600
Total Expenses	\$ 1,397,196	\$ 837,626	\$ 816,300	\$ 555,800

OTAY WATER DISTRICT
 DIVISION 2221 - HUMAN RESOURCES
 FISCAL YEAR 2017 BUDGET

	FY 2015	FY 2016		FY 2017
	Actual	Projected	Budget	Budget
Total Labor and Benefits	\$ 582,491	\$ 605,397	\$ 599,400	\$ 621,100
Administrative Expenses				
Mileage	-	100	200	200
Travel Expenses	927	2,039	2,000	2,400
Conferences and Seminars	1,356	2,500	1,500	2,000
Business Meetings	1,356	1,000	2,000	2,000
Membership and Dues	913	744	1,100	700
Books, Periodicals and Subscriptions	699	800	1,300	1,000
Outside Services	24,942	12,000	11,500	112,000
Temporary Employment Services	35,815	-	50,000	10,000
Recruitment Expense	11,212	7,000	14,000	14,000
Tuition Reimbursement	8,992	12,000	15,000	15,000
General Training	-	-	6,000	22,000
Employee Programs	25,561	22,000	26,000	22,500
Total Administrative Expenses	\$ 111,773	\$ 60,183	\$ 130,600	\$ 203,800
Total Expenses	\$ 694,264	\$ 665,580	\$ 730,000	\$ 824,900

OTAY WATER DISTRICT
 DIVISION 2231 - PURCHASING
 FISCAL YEAR 2017 BUDGET

	FY 2015	FY 2016		FY 2017
	Actual	Projected	Budget	Budget
Total Labor and Benefits	\$ 653,856	\$ 710,521	\$ 798,300	\$ 724,800
Administrative Expenses				
Travel Expenses	-	800	1,000	1,000
Conferences and Seminars	117	1,362	300	800
Business Meetings	163	400	400	400
Membership and Dues	578	500	500	700
Office Supplies	26,328	25,800	25,800	25,800
Postage	41,262	39,000	45,000	38,000
Printing Expenses	31,299	24,000	33,400	27,400
Technology Hardware & Software	1,048	-	-	-
Maintenance and Parts	34,547	34,000	38,700	33,200
Rent and Leases	829	1,200	1,200	1,200
Office Furniture	6,327	5,000	6,500	5,000
Small Tools and Equipment	20,337	30,360	35,300	22,600
Regulatory Agencies Fees	750	977	-	-
Outside Services	29,944	55,600	55,600	60,500
Uniforms	48,180	42,000	48,000	42,000
General Training	-	2,500	5,000	4,500
Sewer	4,304	4,500	4,500	4,500
Trash Services	9,880	17,000	10,400	10,400
Total Administrative Expenses	\$ 255,893	\$ 284,999	\$ 311,600	\$ 278,000
Materials and Maintenance Expenses				
Building Ground and Materials	52,819	50,000	46,900	55,000
Contracted Services	258,843	259,000	259,800	263,800
Total Materials and Maintenance	\$ 311,662	\$ 309,000	\$ 306,700	\$ 318,800
Total Expenses	\$ 1,221,411	\$ 1,304,520	\$ 1,416,600	\$ 1,321,600

OTAY WATER DISTRICT
 DIVISION 2241 - SAFETY & SECURITY
 FISCAL YEAR 2017 BUDGET

	FY 2015	FY 2016		FY 2017
	Actual	Projected	Budget	Budget
Total Labor and Benefits	\$ 150,417	\$ 154,179	\$ 163,000	\$ 172,200
Administrative Expenses				
Mileage	10	228	-	-
Travel Expenses	313	-	300	300
Conferences & Seminars	177	398	300	300
Business Meetings	483	478	500	500
Membership and Dues	970	500	500	500
Books, Periodicals and Subscriptions	531	744	500	500
Outside Services	82,297	24,318	35,000	49,500
Security Services	51,470	43,996	44,000	44,000
Health Exams	14,929	19,539	24,500	16,500
Required Training	21,449	8,000	18,000	26,000
Total Administrative Expenses	\$ 172,629	\$ 99,400	\$ 123,600	\$ 138,100
Materials and Maintenance Expenses				
Safety Equipment	39,343	76,300	126,300	51,000
Total Materials and Maintenance	\$ 39,343	\$ 76,300	\$ 126,300	\$ 51,000
Total Expenses	\$ 362,389	\$ 329,879	\$ 412,900	\$ 361,300

OTAY WATER DISTRICT
 DIVISION 2421 - IT OPERATIONS
 FISCAL YEAR 2017 BUDGET

	FY 2015	FY 2016		FY 2017
	Actual	Projected	Budget	Budget
Total Labor and Benefits	\$ 619,555	\$ 977,286	\$ 1,342,000	\$ 1,305,100
Administrative Expenses				
Mileage	-	-	200	200
Travel Expenses	3,754	4,000	600	1,000
Conferences and Seminars	14,915	17,000	17,500	17,500
Business Meetings	46	243	300	300
Membership and Dues	506	450	300	300
Books, Periodicals and Subscriptions	831	600	600	500
Office Supplies	41	-	-	-
Communication	311,463	242,493	320,200	318,500
Technology Hardware and Software	587,580	485,005	479,200	472,600
Outside Services	199,320	139,974	215,500	160,000
Total Administrative Expenses	\$ 1,118,456	\$ 889,765	\$ 1,034,400	\$ 970,900
Total Expenses	\$ 1,738,011	\$ 1,867,051	\$ 2,376,400	\$ 2,276,000

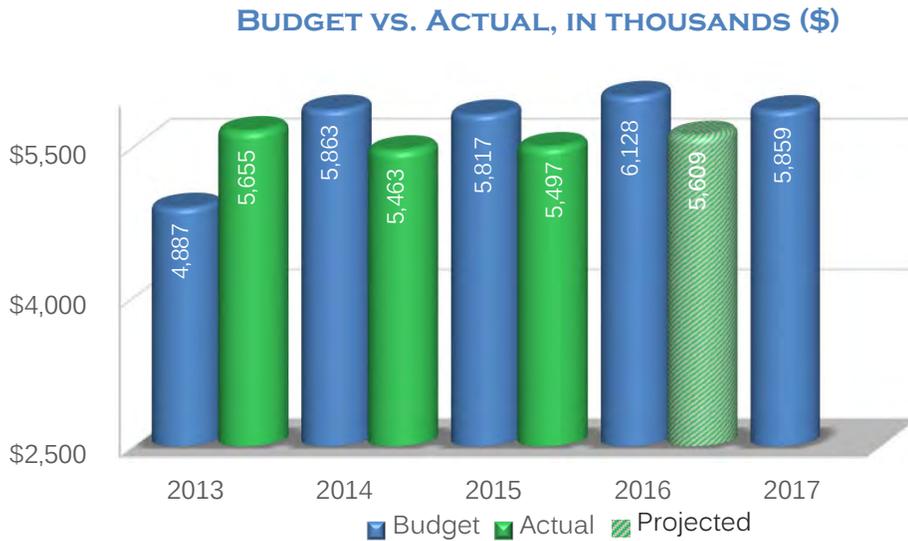
OTAY WATER DISTRICT
 DIVISION 2431 - GEOGRAPHIC INFORMATION SYSTEM
 FISCAL YEAR 2017 BUDGET

	FY 2015	FY 2016		FY 2017
	Actual	Projected	Budget	Budget
Total Labor and Benefits	\$ 647,949	\$ 680,569	\$ 684,200	\$ 706,900
Administrative Expenses				
Mileage	171	55	300	300
Travel Expenses	4,255	1,609	1,000	3,500
Conferences and Seminars	3,577	694	8,000	6,000
Business Meetings	19	102	300	300
Membership and Dues	150	292	300	300
Books, Periodicals and Subscriptions	111	-	800	800
Tech Hardware and Software	237,477	160,045	184,200	211,700
Outside Services	24,303	33,500	43,500	43,500
General Training	7,590	7,000	7,000	12,000
Total Administrative Expenses	\$ 277,653	\$ 203,297	\$ 245,400	\$ 278,400
Total Expenses	\$ 925,602	\$ 883,866	\$ 929,600	\$ 985,300

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Finance

	FY 2015	FY 2016		FY 2017
	Actual	Projected	Budget	Budget
Labor and Benefits	\$ 4,475,530	\$ 4,420,255	\$ 4,687,100	\$ 4,654,200
Travel and Meetings	17,611	17,131	26,100	25,600
Conservation and Outreach	139,965	153,700	170,900	171,400
General Office Expense	153,875	153,861	167,800	167,800
Fees	354,813	358,400	351,600	363,900
Services	123,313	261,600	432,500	190,400
Training	-	500	500	500
Materials & Maintenance	138,063	149,733	136,900	179,800
Bad Debt Expense	93,341	94,000	155,000	105,000
Total Expenses	\$ 5,496,511	\$ 5,609,180	\$ 6,128,400	\$ 5,858,600



OTAY WATER DISTRICT
 DIVISION 2311 - FINANCE CHIEF
 FISCAL YEAR 2017 BUDGET

	FY 2015	FY 2016		FY 2017
	Actual	Projected	Budget	Budget
Total Labor and Benefits	\$ 509,653	\$ 524,043	\$ 526,600	\$ 544,900
Administrative Expenses				
Mileage	31	143	200	200
Travel Expenses	23	604	100	100
Conferences and Seminars	420	1,710	1,500	1,700
Business Meetings	-	146	100	100
Membership and Dues	2,015	2,739	1,900	2,500
Books, Periodicals and Subscriptions	269	216	500	500
Postage	-	-	100	100
Outside Services	12,036	13,600	13,600	13,600
Total Administrative Expenses	\$ 14,794	\$ 19,158	\$ 18,000	\$ 18,800
Total Expenses	\$ 524,447	\$ 543,201	\$ 544,600	\$ 563,700

OTAY WATER DISTRICT
 DIVISION 2321 - CONTROLLER & BUDGETARY SERVICES
 FISCAL YEAR 2017 BUDGET

	FY 2015	FY 2016		FY 2017
	Actual	Projected	Budget	Budget
Total Labor and Benefits	\$ 812,124	\$ 825,013	\$ 863,000	\$ 853,700
Administrative Expenses				
Mileage	81	179	300	300
Travel Expenses	666	-	1,500	400
Conferences and Seminars	1,458	1,555	3,500	2,600
Business Meetings	-	20	200	200
Membership and Dues	588	523	1,200	1,000
Office Supplies	179	153	1,100	1,100
Outside Services	15,140	50,000	12,500	52,500
Total Administrative Expenses	\$ 18,112	\$ 52,430	\$ 20,300	\$ 58,100
Total Expenses	\$ 830,236	\$ 877,443	\$ 883,300	\$ 911,800

OTAY WATER DISTRICT
 DIVISION 2331 - TREASURY & ACCOUNTING SERVICES
 FISCAL YEAR 2017 BUDGET

	FY 2015	FY 2016		FY 2017
	Actual	Projected	Budget	Budget
Total Labor and Benefits	\$ 928,627	\$ 961,092	\$ 970,800	\$ 1,035,600
Administrative Expenses				
Mileage	46	192	100	100
Travel Expenses	206	766	500	500
Conferences and Seminars	90	1,209	1,000	1,000
Membership and Dues	530	245	200	300
Books, Periodicals and Subscriptions	199	-	200	200
Printing Expenses	225	492	300	300
Accounting Fees	26,323	29,400	29,400	29,500
Bank Fees	328,490	329,000	322,200	334,400
Outside Services	4,452	51,000	40,000	8,600
Total Administrative Expenses	\$ 360,561	\$ 412,304	\$ 393,900	\$ 374,900
Total Expenses	\$ 1,289,188	\$ 1,373,396	\$ 1,364,700	\$ 1,410,500

OTAY WATER DISTRICT
 DIVISION 2341 - CUSTOMER SERVICE
 FISCAL YEAR 2017 BUDGET

	FY 2015	FY 2016		FY 2017
	Actual	Projected	Budget	Budget
Total Labor and Benefits	\$ 1,638,938	\$ 1,508,297	\$ 1,705,800	\$ 1,578,600
Administrative Expenses				
Mileage	104	50	200	200
Travel Expenses	1,520	1,500	3,100	3,100
Conferences and Seminars	2,105	1,000	1,500	1,500
Business Meetings	152	50	100	100
Books, Periodicals and Subscriptions	12	-	100	100
Postage	152,942	153,000	165,300	165,300
Outside Services	75,885	87,000	84,000	84,500
General Training	-	500	500	500
Bad Debt	93,341	94,000	155,000	105,000
Total Administrative Expenses	\$ 326,061	\$ 337,100	\$ 409,800	\$ 360,300
Total Expenses	\$ 1,964,999	\$ 1,845,397	\$ 2,115,600	\$ 1,938,900

OTAY WATER DISTRICT
 DIVISION 2342 - METER SHOP
 FISCAL YEAR 2017 BUDGET

	FY 2015	FY 2016		FY 2017
	Actual	Projected	Budget	Budget
Total Labor and Benefits	\$ 461,394	\$ 466,707	\$ 486,300	\$ 504,000
Administrative Expenses				
Mileage	-	-	200	100
Travel Expenses	874	-	1,500	1,500
Conferences and Seminars	1,244	1,000	1,000	1,200
Business Meetings	-	-	-	-
Membership and Dues	160	300	200	1,000
Total Administrative Expenses	\$ 2,278	\$ 1,300	\$ 2,900	\$ 3,800
Materials & Maintenance Expenses				
Meters and Materials	106,547	128,733	108,300	151,200
Infrastructure Equipment and Supplies	5,417	5,000	5,000	5,000
Other Materials and Maintenance	20,877	14,000	18,600	18,600
Building Ground & Materials	2,147	-	-	-
Contracted Services	3,075	2,000	5,000	5,000
Total Materials and Maintenance	\$ 138,063	\$ 149,733	\$ 136,900	\$ 179,800
Total Expenses	\$ 601,735	\$ 617,740	\$ 626,100	\$ 687,600

OTAY WATER DISTRICT
 DIVISION 2343 - WATER CONSERVATION
 FISCAL YEAR 2017 BUDGET

	FY 2015	FY 2016		FY 2017
	Actual	Projected	Budget	Budget
Total Labor and Benefits	\$ 124,794	\$ 135,103	\$ 134,600	\$ 137,400
Administrative Expenses				
Mileage	-	-	200	100
Travel Expenses	-	-	1,200	1,200
Conferences and Seminars	-	-	800	800
Business Meetings	-	-	200	200
Membership and Dues	5,298	3,200	3,600	3,600
Incentives	17,326	18,000	32,200	32,200
Public Recognition Awards	5,177	12,000	15,000	15,000
Conservation Garden	117,462	123,700	123,700	124,200
Books, Periodicals and Subscriptions	49	-	200	200
Outside Services	15,800	60,000	282,400	31,200
Total Administrative Expenses	\$ 161,112	\$ 216,900	\$ 459,500	\$ 208,700
Total Expenses	\$ 285,906	\$ 352,003	\$ 594,100	\$ 346,100

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Water Operations

	FY 2015	FY 2016		FY 2017
	Actual ⁽²⁾	Projected	Budget ⁽²⁾	Budget
Labor and Benefits ⁽¹⁾	\$ 6,753,648	\$ 7,416,169	\$ 7,264,900	\$ 7,817,700
Travel and Meetings	29,911	42,000	48,800	42,400
General Office Expense	-	432	300	300
Equipment	32,096	38,484	44,700	61,300
Fees	71,241	61,400	61,400	149,900
Services	243,149	370,527	540,100	445,400
Training	10,680	6,075	9,000	9,000
Materials & Maintenance	1,642,085	1,805,601	1,945,800	1,951,500
Sewer Charges	1,208,513	996,400	996,400	835,200
Total Expenses	\$ 9,991,323	\$ 10,737,088	\$ 10,911,400	\$ 11,312,700

BUDGET VS. ACTUAL, IN THOUSANDS (\$)



⁽¹⁾ Excludes CIP labor and benefits.

⁽²⁾ In FY 2017, the Recycled Division's responsibilities have been reorganized between the Operations and Engineering Departments. Prior year budget and actuals have been adjusted for comparative purposes.

OTAY WATER DISTRICT
 DIVISION 3211 - WATER OPERATIONS CHIEF
 FISCAL YEAR 2017 BUDGET

	FY 2015	FY 2016		FY 2017
	Actual	Projected	Budget	Budget
Total Labor and Benefits	\$ 417,676	\$ 421,466	\$ 422,700	\$ 435,900
Administrative Expenses				
Mileage	24	300	300	100
Travel Expenses	3,411	4,000	4,500	3,000
Conferences and Seminars	3,402	5,000	5,000	4,000
Business Meetings	-	-	-	300
Membership and Dues	2,678	3,000	5,000	5,000
Books, Periodicals and Subscriptions	-	432	300	300
Outside Services	2,530	3,500	3,500	4,000
General Training	7,185	3,000	5,000	5,000
Required Certification	3,495	3,075	4,000	4,000
Total Administrative Expenses	\$ 22,725	\$ 22,307	\$ 27,600	\$ 25,700
Total Expenses	\$ 440,401	\$ 443,773	\$ 450,300	\$ 461,600

OTAY WATER DISTRICT
 DIVISION 3221 - WATER SYSTEM OPERATIONS
 FISCAL YEAR 2017 BUDGET

	FY 2015	FY 2016		FY 2017
	Actual	Projected	Budget	Budget
Total Labor and Benefits	\$ 267,427	\$ 209,306	\$ 219,600	\$ 230,200
Administrative Expenses				
Rent and Leases	24,141	25,200	25,200	26,100
Regulatory Agencies Fees	70,182	54,200	54,200	142,700
Outside Services	6,944	-	-	-
Total Administrative Expenses	\$ 101,267	\$ 79,400	\$ 79,400	\$ 168,800
Materials and Maintenance Expenses				
Other Materials and Maintenance	84	-	-	-
Total Materials and Maintenance	\$ 84	\$ -	\$ -	\$ -
Total Expenses	\$ 368,778	\$ 288,706	\$ 299,000	\$ 399,000

OTAY WATER DISTRICT
 DIVISION 3225 - WATER SYSTEM
 FISCAL YEAR 2017 BUDGET

	FY 2015	FY 2016		FY 2017
	Actual ⁽¹⁾	Projected	Budget ⁽¹⁾	Budget
Total Labor and Benefits	\$ 1,817,961	\$ 1,855,743	\$ 1,804,300	\$ 1,926,300
Administrative Expenses				
Outside Services	107,865	197,200	297,200	256,800
Total Administrative Expenses	\$ 107,865	\$ 197,200	\$ 297,200	\$ 256,800
Materials and Maintenance Expenses				
Infrastructure Equipment & Supplies	93,730	93,730	102,000	102,100
Chemicals	314,275	295,000	361,500	322,200
Other Materials and Maintenance	51	118	500	500
Contracted Services	-	-	1,000	1,000
Total Materials and Maintenance	\$ 408,056	\$ 388,848	\$ 465,000	\$ 425,800
Total Expenses	\$ 2,333,882	\$ 2,441,791	\$ 2,566,500	\$ 2,608,900

⁽¹⁾ In FY 2017, the Recycled Division's responsibilities have been reorganized between the Operations and Engineering Departments. Prior year budget and actuals have been adjusted for comparative purposes.

OTAY WATER DISTRICT
 DIVISION 3227 - SCADA
 FISCAL YEAR 2017 BUDGET

	FY 2015	FY 2016		FY 2017
	Actual	Projected	Budget	Budget
Total Labor and Benefits	\$ 263,881	\$ 375,328	\$ 307,000	\$ 325,200
Administrative Expenses				
Rent and Leases	-	1,000	1,000	1,000
Outside Services	16,385	23,300	23,300	24,500
Temporary Employment Services	-	-	62,400	-
Total Administrative Expenses	\$ 16,385	\$ 24,300	\$ 86,700	\$ 25,500
Materials and Maintenance Expenses				
Infrastructure Equip and Supplies	40,496	25,000	25,000	30,000
Other Materials and Maintenance	-	-	200	200
Total Materials and Maintenance	\$ 40,496	\$ 25,000	\$ 25,200	\$ 30,200
Total Expenses	\$ 320,762	\$ 424,628	\$ 418,900	\$ 380,900

OTAY WATER DISTRICT
 DIVISION 3231 - UTILITY SERVICES
 FISCAL YEAR 2017 BUDGET

	FY 2015	FY 2016		FY 2017
	Actual	Projected	Budget	Budget
Total Labor and Benefits	\$ 228,919	\$ 246,706	\$ 243,100	\$ 261,300
Total Expenses	\$ 228,919	\$ 246,706	\$ 243,100	\$ 261,300

OTAY WATER DISTRICT
 DIVISION 3232 - UTILITY MAINTENANCE
 FISCAL YEAR 2017 BUDGET

	FY 2015	FY 2016		FY 2017
	Actual	Projected	Budget	Budget
Total Labor and Benefits	\$ 1,800,878	\$ 2,185,523	\$ 2,268,200	\$ 2,403,200
Administrative Expenses				
Rent and Leases	-	421	1,800	1,800
Total Administrative Expenses	\$ -	\$ 421	\$ 1,800	\$ 1,800
Materials and Maintenance Expenses				
Meters and Materials	5,274	9,534	5,500	8,000
Fleet Parts and Equipment	-	12	-	-
Infrastructure Equipment and Supplies	198,244	225,000	245,000	236,000
Other Materials and Maintenance	158,584	147,000	171,000	163,000
Contracted Services	223,646	275,600	284,000	274,000
Total Materials and Maintenance	\$ 585,748	\$ 657,146	\$ 705,500	\$ 681,000
Total Expenses	\$ 2,386,626	\$ 2,843,090	\$ 2,975,500	\$ 3,086,000

OTAY WATER DISTRICT
 DIVISION 3233 - FLEET MAINTENANCE
 FISCAL YEAR 2017 BUDGET

	FY 2015	FY 2016		FY 2017
	Actual	Projected	Budget	Budget
Total Labor and Benefits	\$ 543,630	\$ 558,250	\$ 572,600	\$ 593,100
Administrative Expenses				
Mileage	20,396	29,700	34,000	30,000
Communication	1,233	877	3,800	3,500
Technology Hardware and Software	1,735	1,136	2,400	2,400
Hazardous Waste Disposal	1,059	7,200	7,200	7,200
Outside Services	25,160	24,768	20,900	21,300
Total Administrative Expenses	\$ 49,583	\$ 63,681	\$ 68,300	\$ 64,400
Materials and Maintenance Expenses				
Fuel and Oil	184,027	212,040	235,600	207,500
Fleet Parts and Equipment	121,588	133,900	128,900	129,800
Infrastructure Equipment and Supplies	10,425	45,200	25,500	23,500
Other Materials and Maintenance	89	-	-	-
Building Ground & Materials	-	-	-	-
Total Materials and Maintenance	\$ 316,129	\$ 391,140	\$ 390,000	\$ 360,800
Total Expenses	\$ 909,342	\$ 1,013,071	\$ 1,030,900	\$ 1,018,300

OTAY WATER DISTRICT
 DIVISION 3236 - PUMP & ELECTRICAL
 FISCAL YEAR 2017 BUDGET

	FY 2015	FY 2016		FY 2017
	Actual	Projected	Budget	Budget
Total Labor and Benefits	\$ 689,758	\$ 741,648	\$ 627,900	\$ 752,100
Administrative Expenses				
Rent and Leases	1,412	5,850	6,500	10,500
Outside Services	30,208	63,200	77,000	57,000
Total Administrative Expenses	\$ 31,620	\$ 69,050	\$ 83,500	\$ 67,500
Materials and Maintenance Expenses				
Fleet Parts and Equipment	1,468	-	-	-
Infrastructure Equipment and Supplies	107,367	125,000	135,500	156,600
Other Materials and Maintenance	503	-	-	-
Building Ground and Materials	409	-	1,000	1,000
Total Materials and Maintenance	\$ 109,747	\$ 125,000	\$ 136,500	\$ 157,600
Total Expenses	\$ 831,125	\$ 935,698	\$ 847,900	\$ 977,200

OTAY WATER DISTRICT
 DIVISION 3241 - COLLECTION/TREATMENT/RECYCLE OPERATIONS
 FISCAL YEAR 2017 BUDGET

	FY 2015	FY 2016		FY 2017
	Actual	Projected	Budget	Budget
Sewer Charges				
Metro O&M Costs	1,020,276	815,000	815,000	655,000
Spring Valley O&M Costs	188,237	181,400	181,400	180,200
Total Sewer Charges	<u>\$ 1,208,513</u>	<u>\$ 996,400</u>	<u>\$ 996,400</u>	<u>\$ 835,200</u>
Total Expenses	<u>\$ 1,208,513</u>	<u>\$ 996,400</u>	<u>\$ 1,294,900</u>	<u>\$ 835,200</u>

DIVISION 3243 - LABORATORY
FISCAL YEAR 2017 BUDGET

	FY 2015	FY 2016		FY 2017
	Actual	Projected	Budget	Budget
Total Labor and Benefits	\$ 155,387	\$ 169,135	\$ 166,700	\$ 201,500
Administrative Expenses				
Outside Services	49,346	53,904	47,000	73,000
Total Administrative Expenses	\$ 49,346	\$ 53,904	\$ 47,000	\$ 73,000
Materials and Maintenance Expenses				
Laboratory Equipment and Supplies	43,847	40,000	40,000	45,300
Total Materials and Maintenance	\$ 43,847	\$ 40,000	\$ 40,000	\$ 45,300
Total Expenses	\$ 248,580	\$ 263,039	\$ 253,700	\$ 319,800

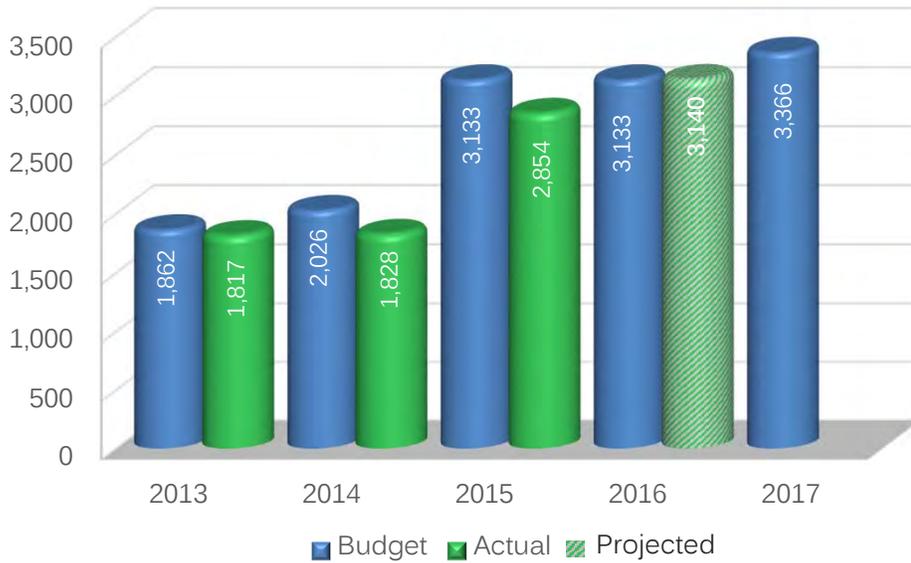
OTAY WATER DISTRICT
 DIVISION 3244 - RECLAMATION PLANT
 FISCAL YEAR 2017 BUDGET

	FY 2015	FY 2016		FY 2017
	Actual	Projected	Budget	Budget
Total Labor and Benefits	\$ 568,131	\$ 653,064	\$ 632,800	\$ 688,900
Administrative Expenses				
Rent and Leases	3,575	4,000	4,000	16,000
Temporary Employment Services	4,711	4,655	8,800	8,800
Total Administrative Expenses	\$ 8,286	\$ 8,655	\$ 12,800	\$ 24,800
Materials and Maintenance Expenses				
Fuel and Oil	12,370	12,370	15,000	34,800
Infrastructure Equipment and Supplies	56,944	82,800	82,800	73,500
Chemicals	35,385	36,000	39,100	42,100
Safety Equipment	1,430	1,097	1,000	1,500
Contracted Services	31,849	46,200	45,700	98,900
Total Materials and Maintenance	\$ 137,978	\$ 178,467	\$ 183,600	\$ 250,800
Total Expenses	\$ 714,395	\$ 840,186	\$ 829,200	\$ 964,500

Engineering

	FY 2015	FY 2016		FY 2017
	Actual ⁽²⁾	Projected	Budget ⁽²⁾	Budget
Labor and Benefits ⁽¹⁾	\$ 2,196,415	\$ 2,453,713	\$ 2,352,900	\$ 2,521,600
Travel and Meetings	17,062	15,172	19,400	18,300
General Office Expense	330	6,503	7,500	1,700
Fees	30,068	30,068	38,000	38,000
Services	606,756	627,224	702,600	772,600
Training	2,960	7,061	12,500	13,500
Total Expenses	\$ 2,853,591	\$ 3,139,741	\$ 3,132,900	\$ 3,365,700

BUDGET VS. ACTUAL, IN THOUSANDS (\$)



⁽¹⁾ Excludes CIP labor and benefits.

⁽²⁾ In FY 2017, the Recycled Division's responsibilities have been reorganized between the Operations and Engineering Departments. Prior year budget and actuals have been adjusted for comparative purposes.

OTAY WATER DISTRICT
 DIVISION 3311 - ENGINEERING CHIEF
 FISCAL YEAR 2017 BUDGET

	FY 2015	FY 2016		FY 2017
	Actual	Projected	Budget	Budget
Total Labor and Benefits	\$ 316,155	\$ 353,710	\$ 350,300	\$ 551,600
Administrative Expenses				
Mileage	167	207	500	300
Travel Expenses	8,650	7,300	8,000	10,000
Conferences and Seminars	3,881	3,100	4,600	3,500
Business Meetings	1,714	1,886	2,500	2,000
Membership and Dues	2,650	2,679	3,800	2,500
Books, Periodicals and Subscriptions	330	6,503	7,500	1,700
Regulatory Agencies Fees	216	-	-	-
Outside Services	1,298	5,826	1,000	9,000
General Training	2,315	5,805	10,000	11,200
Required Certification	645	1,256	2,500	2,300
Total Administrative Expenses	\$ 21,866	\$ 34,562	\$ 40,400	\$ 42,500
Total Expenses	\$ 338,021	\$ 388,272	\$ 390,700	\$ 594,100

OTAY WATER DISTRICT
 DIVISION 3321 - ENGINEERING SERVICES
 FISCAL YEAR 2017 BUDGET

	FY 2015	FY 2016		FY 2017
	Actual	Projected	Budget	Budget
Total Labor and Benefits	\$ 274,308	\$ 429,365	\$ 293,500	\$ 374,200
Administrative Expenses				
Outside Services	453,859	452,257	515,000	351,000
Total Administrative Expenses	\$ 453,859	\$ 452,257	\$ 515,000	\$ 351,000
Total Expenses	\$ 728,167	\$ 881,622	\$ 808,500	\$ 725,200

OTAY WATER DISTRICT
 DIVISION 3421 - PUBLIC SERVICES
 FISCAL YEAR 2017 BUDGET

	FY 2015	FY 2016		FY 2017
	Actual	Projected	Budget	Budget
Total Labor and Benefits	\$ 463,606	\$ 413,315	\$ 374,200	\$ 392,000
Total Expenses	\$ 463,606	\$ 413,315	\$ 374,200	\$ 392,000

OTAY WATER DISTRICT
 DIVISION 3431 - FIELD SERVICES
 FISCAL YEAR 2017 BUDGET

	FY 2015	FY 2016		FY 2017
	Actual ⁽¹⁾	Projected	Budget ⁽¹⁾	Budget
Total Labor & Benefits	\$ 1,085,235	\$ 1,177,042	\$ 1,274,000	\$ 1,130,700
Administrative Expenses				
Regulatory Agencies Fees	8,236	8,068	8,000	8,000
Outside Services	95,212	111,600	111,600	222,600
Required Certification	-	-	-	-
Total Administrative Expenses	103,448	\$ 119,668	119,600	230,600
Total Expenses	\$ 1,188,683	\$ 1,296,710	\$ 1,393,600	\$ 1,361,300

⁽¹⁾ In FY 2017, the Recycled Division's responsibilities have been re-organized between the Operations Engineering Departments. Prior year budget and actuals have been adjusted for comparative purposes.

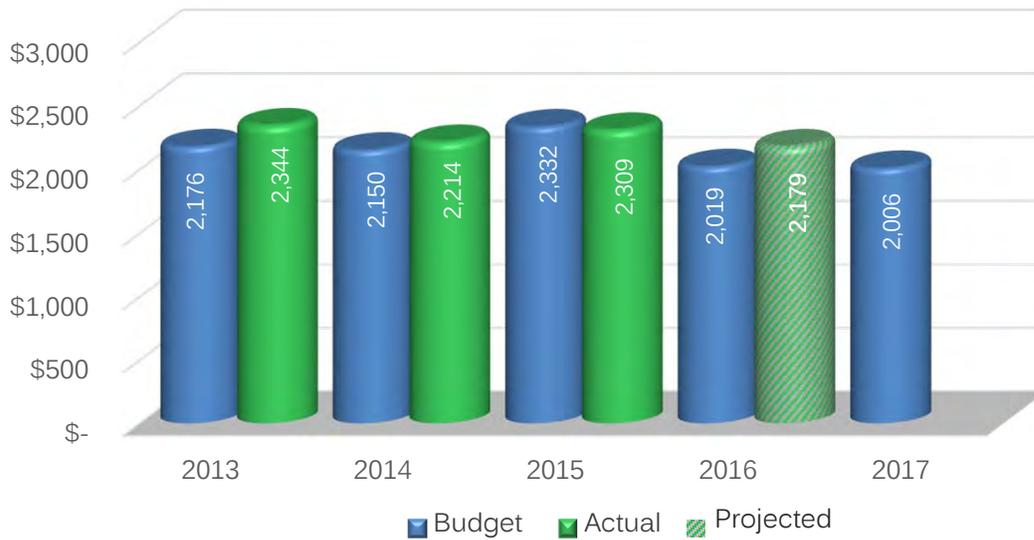
OTAY WATER DISTRICT
 DIVISION 3451 - ENVIRONMENTAL SERVICES
 FISCAL YEAR 2017 BUDGET

	FY 2015	FY 2016		FY 2017
	Actual	Projected	Budget	Budget
Total Labor & Benefits	\$ 57,111	\$ 80,281	\$ 60,900	\$ 73,100
Administrative Expenses				
Regulatory Agencies Fees	21,616	22,000	30,000	30,000
Outside Services	56,387	57,541	75,000	190,000
Total Administrative Expenses	\$ 78,003	\$ 79,541	\$ 105,000	\$ 220,000
Total Expenses	\$ 135,114	\$ 159,822	\$ 165,900	\$ 293,100

General Expense

	FY 2015	FY 2016		FY 2017
	Actual	Projected	Budget	Budget
Labor and Benefits ⁽¹⁾	\$ 1,487,720	\$ 1,405,623	\$ 1,183,400	\$ 1,181,400
Fees	820,046	773,198	836,000	825,000
Services	1,257	-	-	-
Total Expenses	\$ 2,309,023	\$ 2,178,821	\$ 2,019,400	\$ 2,006,400

BUDGET VS. ACTUAL, IN THOUSANDS (\$)



⁽¹⁾ Benefits include District-wide labor and benefit costs not attributable to any one department, such as the effect of cost of living raises on accrued leave liabilities or the Other Post Employment Benefit (OPEB) costs. These costs are netted against the District's anticipated Vacancy Factor. The Vacancy Factor for FY 2016 and FY 2017 is \$338,300 and \$198,700, respectively. Additionally, the labor and benefits shown on this schedule are those related to operating costs and does not include CIP labor and benefit costs.

OTAY WATER DISTRICT
 DIVISION 1311 - GENERAL EXPENSE (INCLUDES LEGAL)
 FISCAL YEAR 2017 BUDGET

	FY 2015	FY 2016		FY 2017
	Actual	Projected	Budget	Budget
Total Labor & Benefits	\$ 2,419,033	\$ 1,405,623	\$ 1,183,400	\$ 1,181,400
Administrative Expenses				
Outside Services	1,257	-	-	-
General Insurance	645,410	586,000	586,000	575,000
Legal Expenses	174,636	187,198	250,000	250,000
Total Admin Expenses	821,303	\$ 773,198	836,000	825,000
Total Expenses	\$ 3,240,336	\$ 2,178,821	\$ 2,019,400	\$ 2,006,400

CIP Projects (\$1,000s)

The 2017 Fiscal Year CIP Budget contains 107 projects. The costs for the work planned for Fiscal Year 2017 are \$10.7 million. Of the 89 projects planned for Fiscal Year 2017, four are designated as reimbursable projects with an estimated cost of \$14,000. These reimbursable projects are built by a developer and reimbursed by the District.

CAPITAL FACILITY PROJECTS

CIP No	Description	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total
P2040	Res - 1655-1 Reservoir 0.5 MG	20	80	450	1,025	825	500	\$ 2,900
P2267	36-Inch Main Pumpouts and Air/Vacuum Ventilation Installations	220	55	-	-	-	-	275
P2382	Safety and Security Improvements	250	-	-	-	-	-	250
P2405	PL - 624/340 PRS, Paseo Ranchero and Otay Valley Road	5	5	5	5	50	500	570
P2451	Otay Mesa Desalination Conveyance and Disinfection System	50	50	50	50	50	50	300
P2453	SR-11 Utility Relocations	250	500	500	500	500	133	2383
P2460	I.D. 7 Trestle and Pipeline Demolition	50	5	5	5	530	-	595
P2466	Regional Training Facility	6	-	-	-	-	-	6
P2485	SCADA Communication System and Software Replacement	85	85	85	85	24	-	364
P2486	Asset Management - Info Master Water Implementation	25	20	-	-	-	-	45
P2494	Multiple Species Conservation Plan	48	20	-	-	-	-	68
P2496	Otay Lakes Road Utility Relocations	5	20	-	-	-	-	25
P2504	Regulatory Site Access Road and Pipeline Relocation	20	330	120	100	-	-	570
P2516	PL - 12-Inch, 640 Zone, Jamacha Road - Darby/Osage	-	-	-	75	100	625	800
P2520	Motorola Mobile Radio Upgrade	30	-	-	-	-	-	30
P2521	Large Meter Vault Upgrade Program	100	100	100	100	-	-	400
P2537	Operations Yard Property Acquisition Improvements	10	-	-	-	-	-	10
P2541	624 Pressure Zone PRSs	10	-	-	-	-	-	10
P2547	District Administration Vehicle Charging Stations	85	20	-	-	-	-	105
P2550	Fuel Island Upgrade	112	-	-	-	-	-	112
P2551	Blossom Lane Helix WD and Otay WD Interconnection	20	-	-	-	-	-	20
P2552	South Barcelona Helix WD and Otay WD Interconnection	20	-	-	-	-	-	20
P2553	Heritage Road Bridge Replacement and Utility Relocation	100	380	685	260	-	-	1425
P2564	Administration Carpet Replacement Program	5	210	-	-	-	-	215
P2568	Technology Business Processes Improvement	100	-	-	-	-	-	100
P2569	Metro Ethernet Implementation/ District Facilities - Pilot	45	-	-	-	-	-	45
P2570	SCADA Equipment & Infrastructure Enhancement	100	100	100	-	-	-	300
P2571	Datacenter Network Enhancement & Replacement of Infrastructure Componets	-	-	100	100	-	-	200
P2572	Enterprise Resource Planning (ERP) Replacement	-	-	-	-	250	250	500
P2584	Res - 657-1 and 657-2 Reservoir Demolitions	-	-	-	-	70	650	720
R2077	RecPL - 24-Inch, 860 Zone, Alta Road - Alta Gate/Airway	20	20	-	-	-	-	40
R2079	RecPL - 6-Inch, 450 Zone, Otay Valley Road - Otay Valley/Entertainment	10	10	10	10	110	-	150
R2109	Sweetwater River Wooden Trestle Improvement for the Recycled Water Forcemain	10	5	-	-	-	-	15
R2110	RecPS - 944-1 Optimization and Pressure Zone Modifications	5	67	-	-	-	-	72
R2116	RecPL - 14-Inch, 927 Zone, Force Main Improvements	1,000	900	10	-	-	-	1910
R2117	RWCWRF Disinfection System Improvements	10	50	50	150	1,000	150	1410
R2118	Steele Canyon Sewer PS Large Solids Handling Improvements	68	-	-	-	-	-	68
R2119	RWCWRF Automation & Security Upgrades	95	50	130	-	-	-	275
R2120	RWCWRF Filtered Water Storage Tank Improvements	250	245	-	-	-	-	\$495
R2122	Emergency Recycled Water Fire Hydrant Installations	15	-	-	-	-	-	\$15
R2123	Repurpose Otay Mesa Recycled Water Lines	35	5	5	5	150	150	\$350
R2124	RecPS - 927-1 Pump 5 Replacement	55	-	-	-	-	-	\$55
S2012	San Diego County Sanitation District Outfall and RSD Outfall Replacement	150	150	200	250	300	350	\$1,400

CIP No	Description	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total
CAPITAL FACILITY PROJECTS, CONTINUED								
S2027	Rancho San Diego Pump Station Rehabilitation	50	1,200	1,200	783	-	-	\$3,233
S2033	Sewer System Rehabilitation	200	-	-	-	-	-	\$200
S2043	RWCWRF Sludge Handling System	1	1	1	1	1	1	\$6
S2047	Asset Management - Info Master Sewer Implementation	-	30	28	-	-	-	\$58
47	Total Capital Facility Projects	\$ 3,745	\$ 4,713	\$ 3,834	\$ 3,504	\$ 3,960	\$ 3,359	\$ 23,115
REPLACEMENT/RENEWAL PROJECTS								
P2083	PS - 870-2 Pump Station Replacement	390	3,500	10,800	500	50	50	\$15,290
P2174	PS - 1090-1 Pump Station Replacement (400 gpm)	1	150	200	1,149	-	-	\$1,500
P2400	PL - 20-Inch Pipeline Replacement, 711 Zone, Otay Lakes Road - at Santa Paula	-	-	-	150	350	1,500	\$2,000
P2493	624-2 Reservoir Interior/Exterior Coating	60	60	-	-	-	-	\$120
P2507	East Palomar Street Utility Relocation	120	100	-	-	-	-	\$220
P2508	Pipeline Cathodic Protection Replacement Program	300	100	96	-	-	-	\$496
P2518	803-3 Reservoir Interior/Exterior Coating	40	20	-	-	-	-	\$60
P2519	832-2 Reservoir Interior/Exterior Coating	65	20	-	-	-	-	\$85
P2529	711-2 Reservoir Interior & Exterior Coating	360	25	50	-	-	-	\$435
P2530	711-1 Reservoir Interior & Exterior Coating	90	50	50	-	-	-	\$190
P2531	944-1 Reservoir Interior & Exterior Coating	50	50	-	-	-	-	\$100
P2532	944-2 Reservoir Interior & Exterior Coating	50	50	-	-	-	-	\$100
P2533	1200-1 Reservoir Interior & Exterior Coating	10	700	50	50	-	-	\$810
P2534	978-1 Reservoir Interior & Exterior Coating	615	50	50	-	-	-	\$715
P2535	458-2 Reservoir Interior & Exterior Coating & Upgrades	50	50	-	-	-	-	\$100
P2538	Administration and Operations Building Fire Sprinkler Replacement Program	10	-	-	-	-	-	\$10
P2539	South Bay Bus Rapid Transit (BRT) Utility Relocations	100	100	40	-	-	-	\$240
P2542	850-3 Reservoir Interior Coating	50	50	-	-	-	-	\$100
P2543	850-1 Reservoir Interior/Exterior Coating	10	645	120	50	50	-	\$875
P2544	850-2 Reservoir Interior/Exterior Coating	835	135	50	50	-	-	\$1,070
P2545	980-1 Reservoir Interior Exterior Coating	330	50	50	-	-	-	\$430
P2546	980-2 Reservoir Interior/Exterior Coating	-	20	1,330	50	50	-	\$1,450
P2555	Administration and Operations Parking Lot Improvements	275	185	-	-	-	-	\$460
P2557	520 Res Recirculation Pipeline Chemical Supply and Analyzer Feed Replacement Project	50	35	5	-	-	-	\$90
P2559	Pressure Vessel Repair and Replacement Program	65	125	125	125	125	55	\$620
P2561	Res - 711-3 Reservoir Cover/Liner Replacement	1	4	95	1,700	-	-	\$1,800
P2562	Res - 571-1 Reservoir Cover/Liner Replacement	90	2,500	5	5	-	-	\$2,600
P2563	Res - 870-1 Reservoir Cover/Liner Replacement	1	1	9	90	899	-	\$1,000
P2565	803-2 Reservoir Interior/Exterior Coating & Upgrades	-	-	20	820	50	50	\$940
P2566	520-2 Reservoir Interior/Exterior Coating & Upgrades	-	-	-	20	1,380	100	\$1,500
P2567	1004-2 Reservoir Interior/Exterior Coating & Upgrades	-	-	-	-	20	885	\$905
P2573	PL - 12-Inch Pipeline Replacement, 803 Zone, Hillsdale Road	160	225	1,365	-	-	-	
P2574	PL - 12-Inch and 14-inch Pipeline Replacement, 803 and 978 Zone, Vista Grande, Pence Drive	50	100	275	400	1,925	-	\$2,750
P2578	PS - 711-2 (PS 711-1 Replacement and Expansion) - 14,000 gpm	-	-	-	350	3,200	3,050	6600
P2579	Temporary Lower Otay Pump Station Improvements	140	-	-	-	-	-	\$140
P2592	East H Street Bike Lane Utility Coordination	50	-	-	-	-	-	
P2593	458-1 Reservoir Interior/Exterior Coating & Upgrades	-	-	-	-	10	830	\$840
P2594	Large Meter Replacement	240	150	95	-	-	-	\$485
R2111	RWCWRF - RAS Pump Replacement	10	5	-	-	-	-	\$15
R2112	450-1 Disinfection Facility Rehabilitation	25	25	-	-	-	-	\$50
R2121	Res - 944-1 Reservoir Cover/Liner Replacement	1	1	30	1,348	-	-	\$1,380
S2024	Campo Road Sewer Main Replacement	50	4,750	2,500	-	-	-	\$7,300
S2044	Trenchless Sewer Rehabilitation	600	50	-	-	-	-	\$650

CIP No	Description	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total
REPLACEMENT/RENEWAL PROJECTS, CONTINUED								
S2045	Fuerte Drive Sewer Relocation	190	10	-	-	-	-	\$200
S2046	RWCWRF - Aeration Panels Replacement	250	100	100	-	-	-	\$450
S2048	Hillsdale Road Sewer Repairs	100	390	10	-	-	-	\$500
S2049	Calavo Basin Sewer Rehabilitation - Phase 2	20	130	800	50	-	-	\$1,000
S2050	Rancho San Diego Basin Sewer Rehabilitation - Phase 2	-	-	-	-	50	250	\$300
S2051	RWCWRF - Headworks Improvements	-	50	100	600	-	-	\$750
S2052	RWCWRF - Access Roads Repaving	-	-	-	50	400	300	\$750
S2053	RWCWRF - Sedimentation Basins Refurbishment	-	-	-	60	140	400	\$600
S2054	Calavo Basin Sewer Rehabilitation - Phase 3	-	-	-	-	50	250	\$300
52	Total Replacements and Renewal Projects	\$ 5,904	\$ 14,761	\$18,420	\$ 7,617	\$ 8,749	\$ 7,720	\$ 61,371

CAPITAL PURCHASE PROJECTS								
P2282	Vehicle Capital Purchases	197	290	240	187	236	253	\$1,403
P2285	Office Equipment and Furniture Capital Purchases	15	15	15	8	-	-	\$53
P2286	Field Equipment Capital Purchases	38	105	50	55	-	-	\$248
P2366	APCD Engine Replacements and Retrofits	820	-	-	-	-	-	\$820
4	Total Capital Purchase	\$1,070	\$410	\$305	\$250	\$236	\$253	\$2,524

DEVELOPER REIMBURSEMENT PROJECTS								
P2325	PL-10" to 12" Oversize, 1296 Zone, PB Road-Rolling Hills Hydro PS/PB Bndy	3	-	-	-	-	-	\$3
P2403	PL - 12-inch, 624 Zone, Heritage Road - Olympic/Otay Valley	-	-	-	-	50	500	\$550
P2556	HWY 94 Upsized Utility Relocations at Melody Lane	1	99	-	-	-	-	\$100
R2084	RecPL - 20-Inch, 680 Zone, Village 2 - Heritage/La Media	10	40	315	-	-	-	\$365
4	Total Reimbursement Projects	\$14	\$139	\$315	\$0	\$50	\$500	\$1,018

SUMMARY								
CIP No	Description	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	Total
89	Total - FY 2017 Projects	10,733	19,923	21,296	9,096	6,825	2,192	70,065
18	Total - FY 2018 through FY 2022 Projects	-	100	1,578	2,275	6,170	9,640	19,763
107	Grand Totals	10,733	20,023	22,874	11,371	12,995	11,832	89,828

FY 2017 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 vehicles, office equipment and furniture, field equipment and APCD engine replacements and retrofits.

Quantity	Description	Amount
VEHICLES		
1	1/2 Ton Pick-up for the Inspection Services Section.	34,000
1	All Wheel Drive SUV Replacement for Inspection Services Field Manager.	30,000
1	3/4 Ton Pick-up with Utility Body for Disinfection Technician.	44,000
1	1/2 Ton Pick-up for Water System Operations Section.	34,000
1	Class 5 Dump Truck with 2-3 Yard Dump Body.	55,000
	Total Vehicles	197,000
OFFICE EQUIPMENT AND FURNITURE		
various	Districtwide office equipment and furniture items.	15,000
	Total Office equipment and furniture	15,000
FIELD EQUIPMENT		
1	40kw Critically Silenced Genset.	38,000
	Total Field equipment	38,000
APCD ENGINE REPLACEMENTS AND RETROFITS		
2	Two replacement portable gensets.	300,000
2	Two emergency stand-by portable pumps.	520,000
	Total APCD engine replacements and retrofits	820,000
	Grand Total :	<u>1,070,000</u>

SUMMARY BY PROJECT

P2282 Vehicles	197,000
P2285 Office equipment and furniture	15,000
P2286 Field equipment	38,000
P2366 APCD Engine replacements and retrofits	820,000
Grand Total:	<u>1,070,000</u>

PROJECT TITLE: Res - 1655-1 Reservoir 0.5 MG

CIP Number: P2040

DIRECTOR DIVISION: 5

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE: 8/19/1992

PRIORITY: 3

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$3,400,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

In early 2000, the project was designed to 90%, and due to the economy, the project was put on hold. The overall budget was increased to account for the spending done prior to FY 2015. The project budget increased \$1.2 Million after receiving a preliminary cost estimate from Concrete Tank Manufacturer and updating cost estimates from the estimate done in 2000. The concrete tank will have to be a Type I due to location and steep grades. Added updated costs for Reservoir security items.

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$500	\$20	\$80	\$450	\$1,025	\$825	\$500
							\$3,400

CIP Number: P2040

PROJECT SCHEDULE:

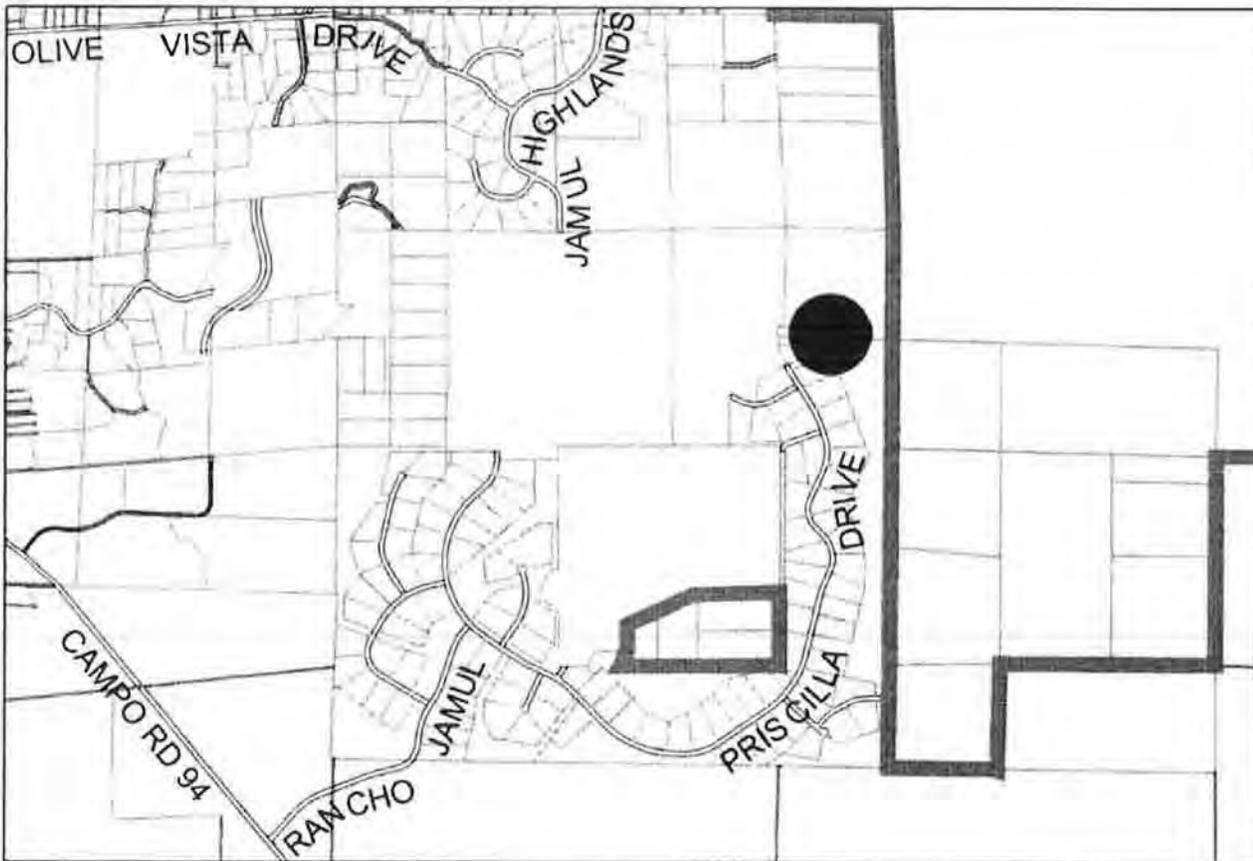
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	9/30/2018	\$160
DESIGN:	10/1/2018	2/7/2020	\$870
CONSTRUCTION:	2/10/2020	6/30/2022	\$2,370

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$50	\$51	\$52	\$52	\$205
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 310



Submitted By: Bob Kennedy

Date: 5/12/2016

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

CIP Number: P2267

PROJECT MANAGER: Jeff Marchioro

DIRECTOR DIVISION: 3

ORIGINAL APPROVED DATE: 6/3/1996

I.D. LOCATION: 22

RELATED CIP PROJECTS:

PRIORITY: 2

BUDGET AMOUNT: \$735,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$460	\$220	\$55	\$0	\$0	\$0	\$735

CIP Number: P2267

PROJECT SCHEDULE:

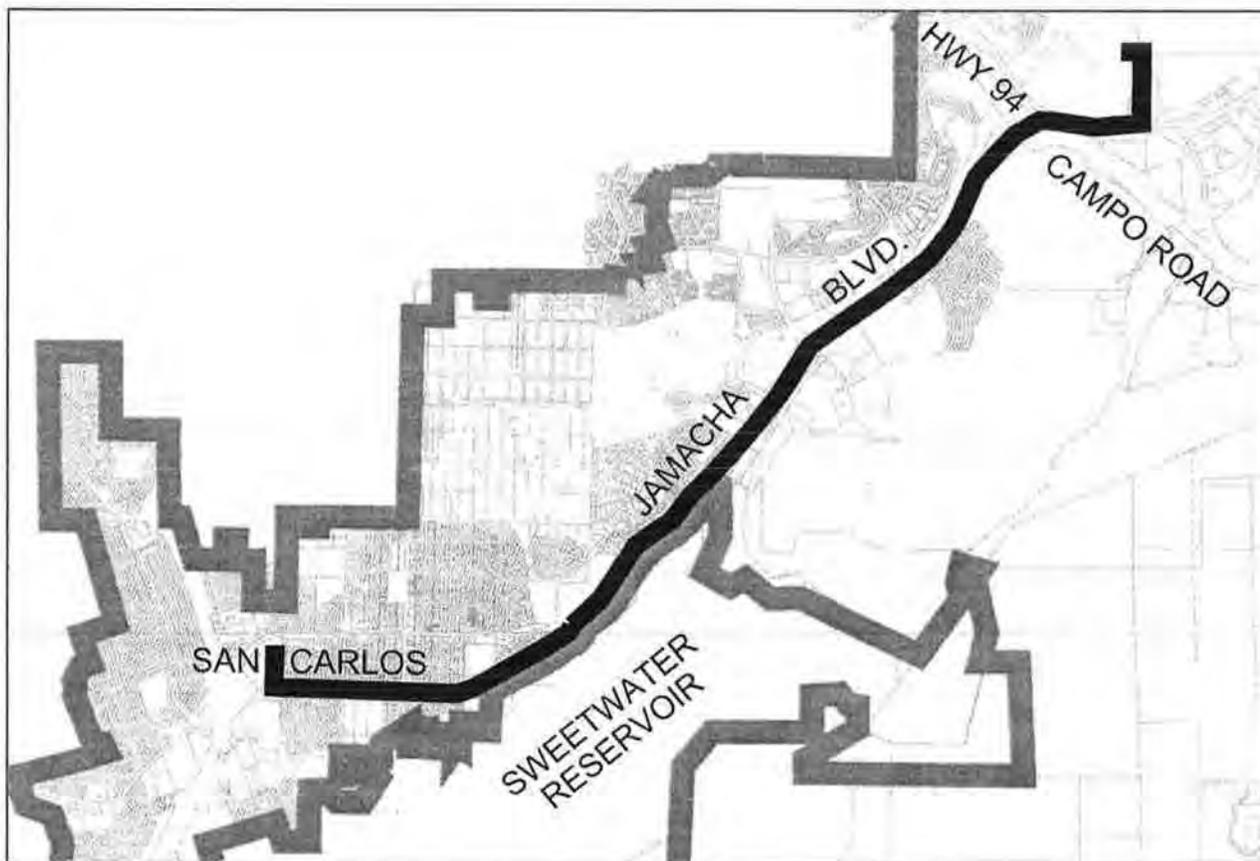
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:	4/1/2015	9/7/2016	\$75
CONSTRUCTION:	9/7/2016	6/30/2018	\$660

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Jolene Fielding

Date: 4/12/2016

PROJECT TITLE: Safety and Security Improvements

CIP Number: P2382

PROJECT MANAGER: Kent Payne

DIRECTOR DIVISION: 0

I.D. LOCATION: District Wide

ORIGINAL APPROVED DATE: 6/5/2002

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$2,811,000

DESCRIPTION OF PROJECT:

This project is for the installation and replacement of the physical security burglar alarm systems to Digital Monitoring Systems (DMP) and associated security components at 23 District facilities. This is to ready sites for enterprise security and access control management software "ENTRE."

JUSTIFICATION OF PROJECT:

This project is to improve the security of the Otay Water District facilities by installing and upgrading the hardware and software required to provide access control management, intrusion detection and response, and to ready the facilities for future evaluation of video camera verification systems.

Although existing facilities are relatively safe and secure, the Federal government has recommended that security to water systems be improved.

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	2017	2018	2019	2020	2021	2022	Total
	\$2,561	\$250	\$0	\$0	\$0	\$0	\$2,811

CIP Number: P2382

PROJECT SCHEDULE:

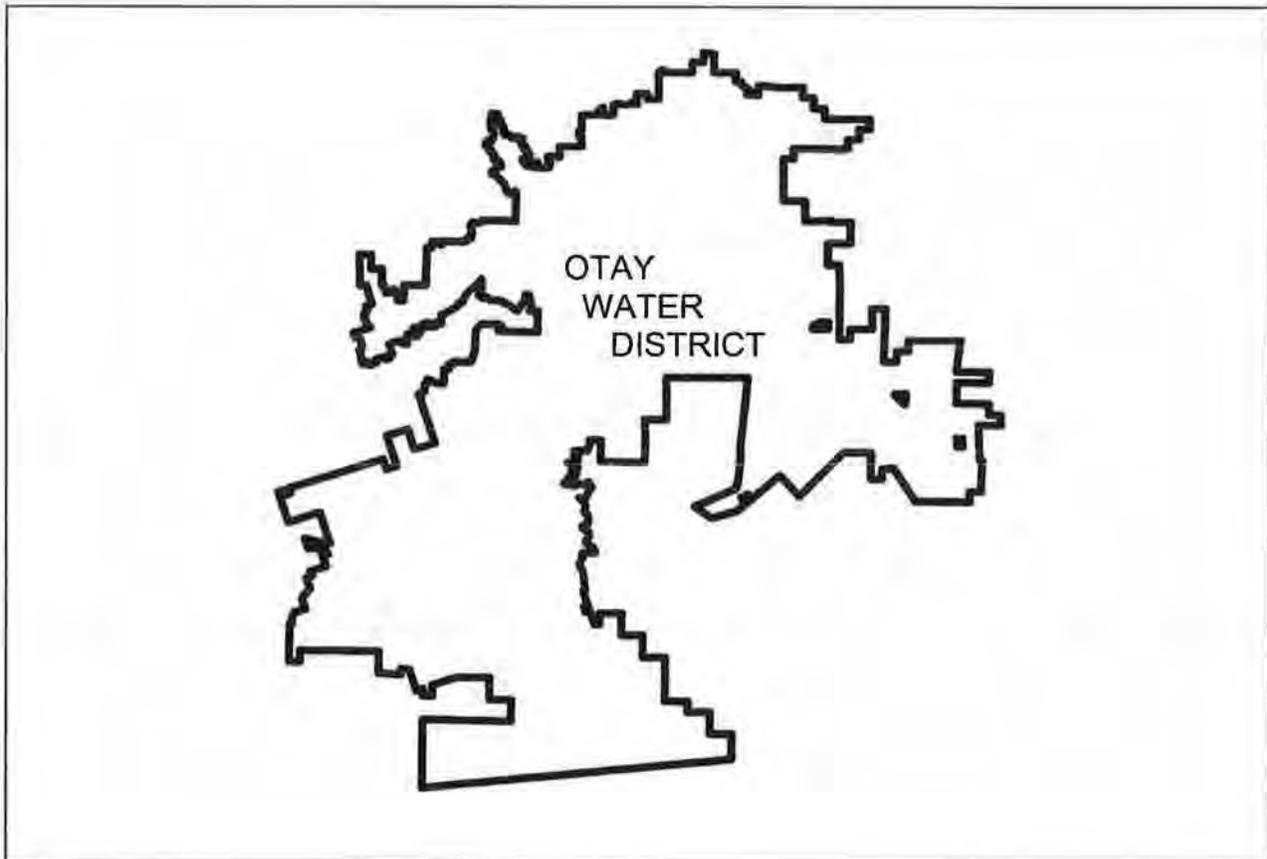
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2002	6/30/2017	\$62
DESIGN:	9/1/2003	6/30/2017	\$231
CONSTRUCTION:	1/1/2004	6/30/2017	\$2,518

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 4/25/2016

PROJECT TITLE: PL - 624/340 PRS, Paseo Ranchero and Otay Valley Road

CIP Number: P2405

PROJECT MANAGER: Kevin Cameron

DIRECTOR DIVISION: 2

ORIGINAL APPROVED DATE:

I.D. LOCATION:

RELATED CIP PROJECTS:

PRIORITY: 2

BUDGET AMOUNT: \$650,000

DESCRIPTION OF PROJECT:

This project is for the construction of approximately 1,200 feet of 12-Inch pipeline in the 340 Pressure Zone in Otay Valley Road and the existing 16-Inch pipeline in Otay Valley Road. Construction of a pressure reducing station between the 624/340 Pressure Zone near the intersection of Otay Valley Road/Main Street and Heritage Road.

JUSTIFICATION OF PROJECT:

This will provide a redundant service connection to the 340 Pressure Zone.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$0	\$5	\$5	\$5	\$50	\$500	\$570

CIP Number: P2405

PROJECT SCHEDULE:

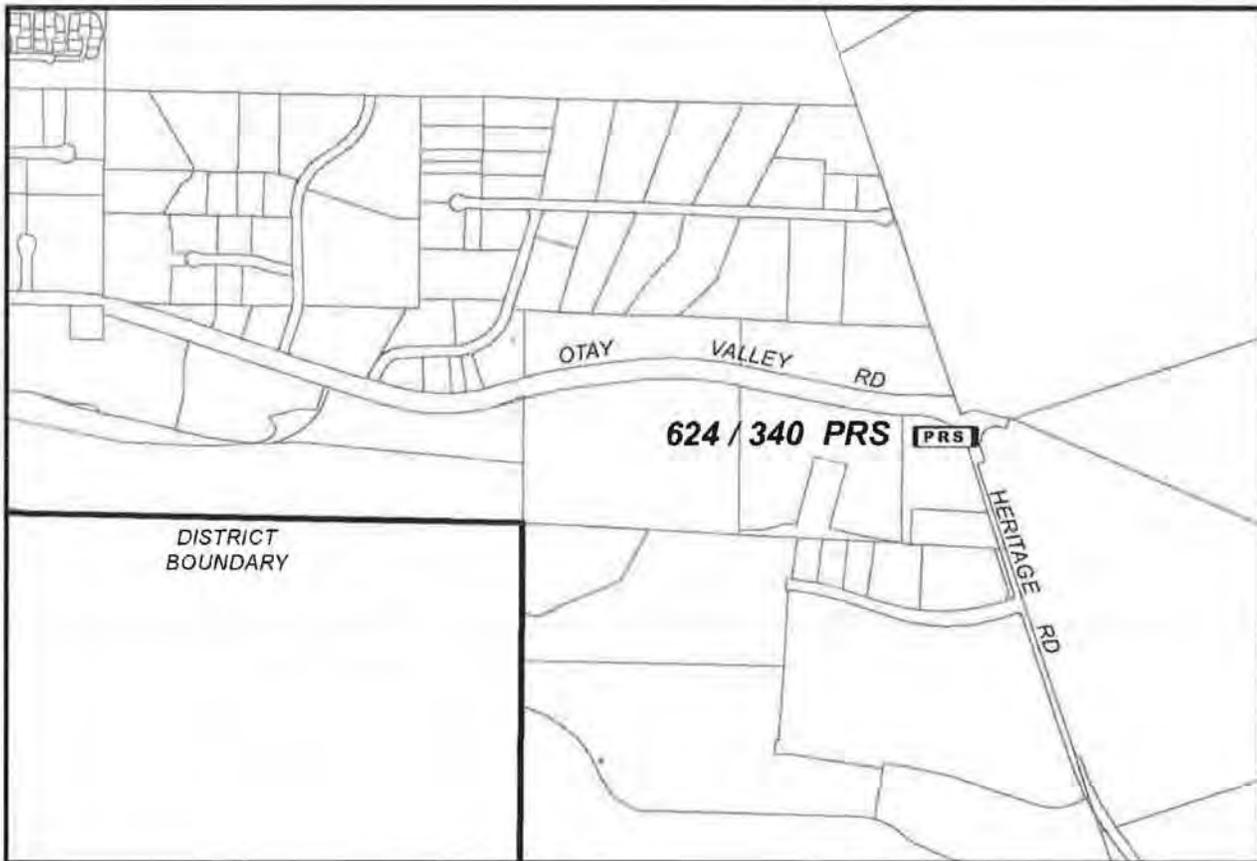
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2016	6/30/2017	\$5
DESIGN:	7/1/2017	10/31/2021	\$100
CONSTRUCTION:	11/1/2021	6/30/2023	\$545

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: 51



Submitted By: Steve Beppler

Date: 4/21/2016

PROJECT TITLE: Otay Mesa Desalination Conveyance and Disinfection System

CIP Number: P2451

PROJECT MANAGER: Bob Kennedy

DIRECTOR DIVISION: 2

ORIGINAL APPROVED DATE: 5/23/2006

I.D. LOCATION: 22

RELATED CIP PROJECTS: P2083

PRIORITY: 2

BUDGET AMOUNT: \$30,000,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

Original Budget amount approved 5/23/2006 for \$1,000,000. Budget increase approved 6/25/2008 to \$5,000,000. On 5/21/2009, the Budget was increased to \$30,000,000 (\$1,000,000 for UV Treatment, \$9,000,000 for Pump Station, and \$20,000,000 for Conveyance Pipeline).

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
\$3,575	\$50	\$50	\$50	\$50	\$50	\$50	\$3,875

CIP Number: P2451

PROJECT SCHEDULE:

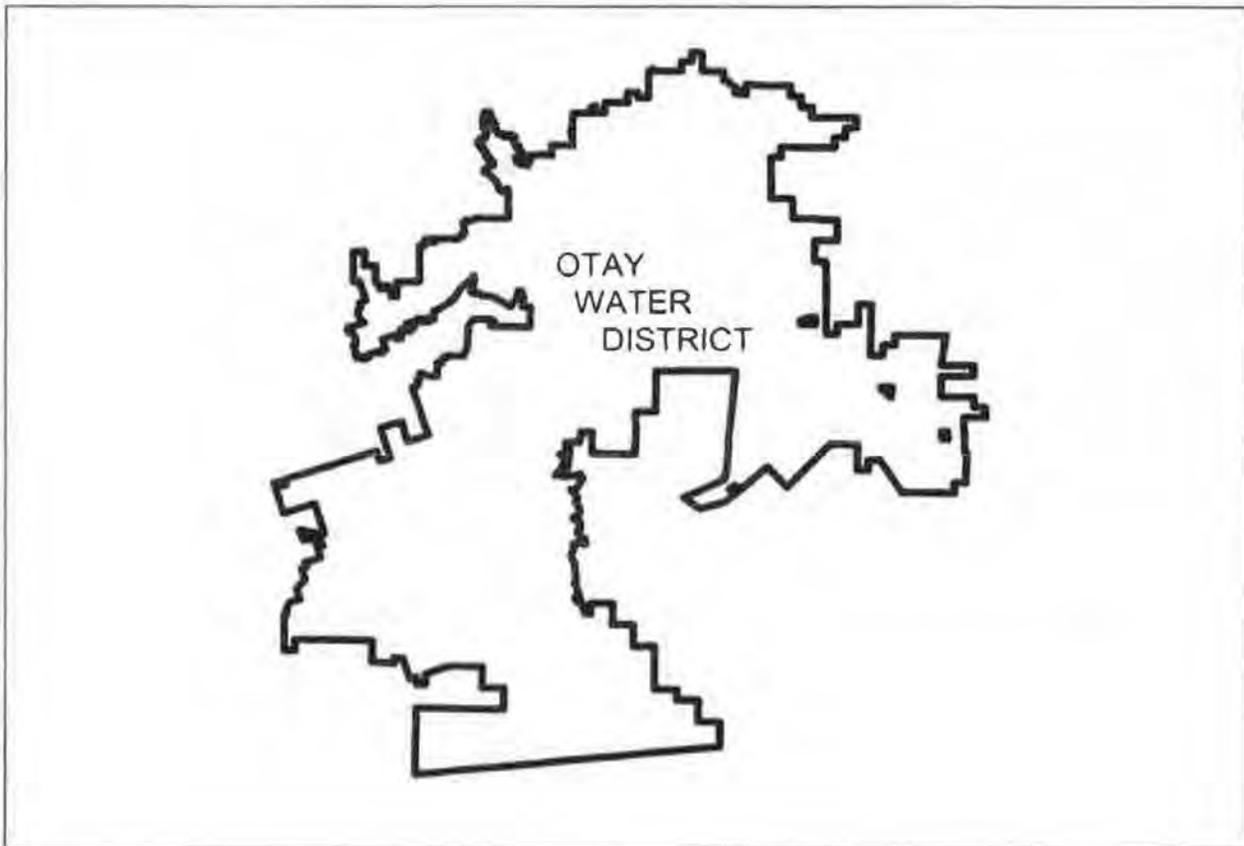
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2006	6/30/2023	\$4,000
DESIGN:	7/1/2024	6/30/2026	\$4,000
CONSTRUCTION:	7/1/2026	6/30/2029	\$22,000

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 4/14/2016

PROJECT TITLE: SR-11 Utility Relocations

CIP Number: P2453

PROJECT MANAGER: Jeff Marchioro

DIRECTOR DIVISION: 2

ORIGINAL APPROVED DATE: 5/23/2006

I.D. LOCATION: 22

RELATED CIP PROJECTS:

PRIORITY: 1

BUDGET AMOUNT: \$4,000,000

DESCRIPTION OF PROJECT:

This project is for all utility relocations required due to construction of the 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 the 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 the SR-11. The cost of the facilities relocations that have prior rights will be reimbursed by Caltrans.

COMMENTS:

Budget increased from \$2.25M to \$4M to account for actual expenses for the first two rounds of relocations and/or additional relocations not included in the budget previously set in FY 2011. Most expenses have been reimbursed by Caltrans.

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	2017	2018	2019	2020	2021	2022	Total
	\$1,617	\$250	\$500	\$500	\$500	\$133	\$4,000

CIP Number: P2453

PROJECT SCHEDULE:

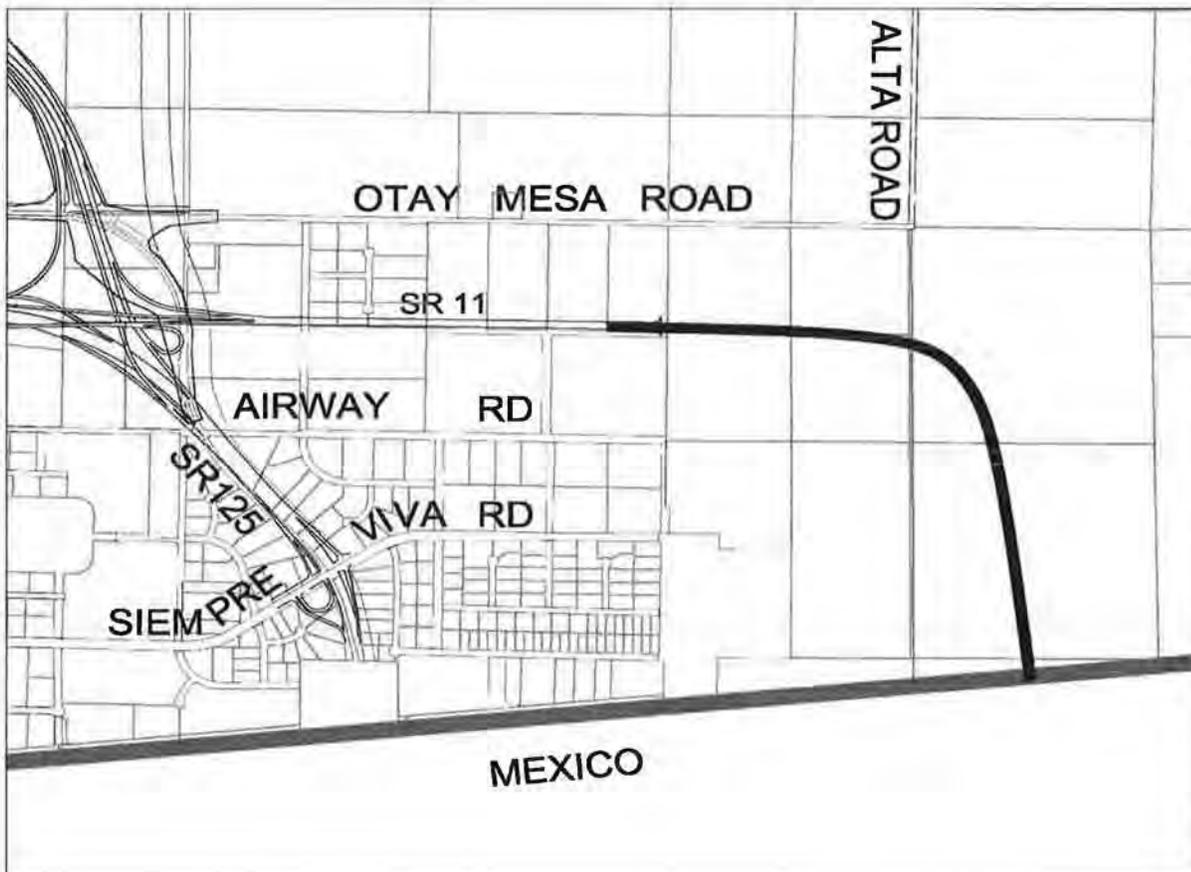
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2006	6/1/2016	\$50
DESIGN:	7/1/2009	6/30/2022	\$500
CONSTRUCTION:	1/8/2014	6/30/2023	\$3,450

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Jolene Fielding

Date: 5/10/2016

PROJECT TITLE: I.D. 7 Trestle and Pipeline Demolition

CIP Number: P2460

PROJECT MANAGER: Stephen Beppler

DIRECTOR DIVISION: 1

I.D. LOCATION: 7

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$600,000

DESCRIPTION OF PROJECT:

This project is for the steel trestle demolition and removal of pipeline. The 1960's steel trestle 24-inch waterline crossing of Otay River was replaced by the Central Area and Otay Mesa Interconnection pipeline in 2001. The trestle also carries a high pressure gas line that supplies the 870-1 Pump Station that prevented the trestle from being demolished previously. SDG&E is proposing to abandon this gas line in 2016, replacing it with a feed from the south.

JUSTIFICATION OF PROJECT:

The existing pipeline is no longer in service and should be removed to address liability concerns. The Central Area-Otay Mesa Interconnection Pipeline supplies water to the Otay Mesa System.

COMMENTS:

FY 2017 scope is to identify the project constraints that will drive the demolition costs, including environmental factors, access limitations, and demolition alternatives.

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	2017	2018	2019	2020	2021	2022	Total	
	\$5	\$50	\$5	\$5	\$5	\$530	\$0	\$600

CIP Number: P2460

PROJECT SCHEDULE:

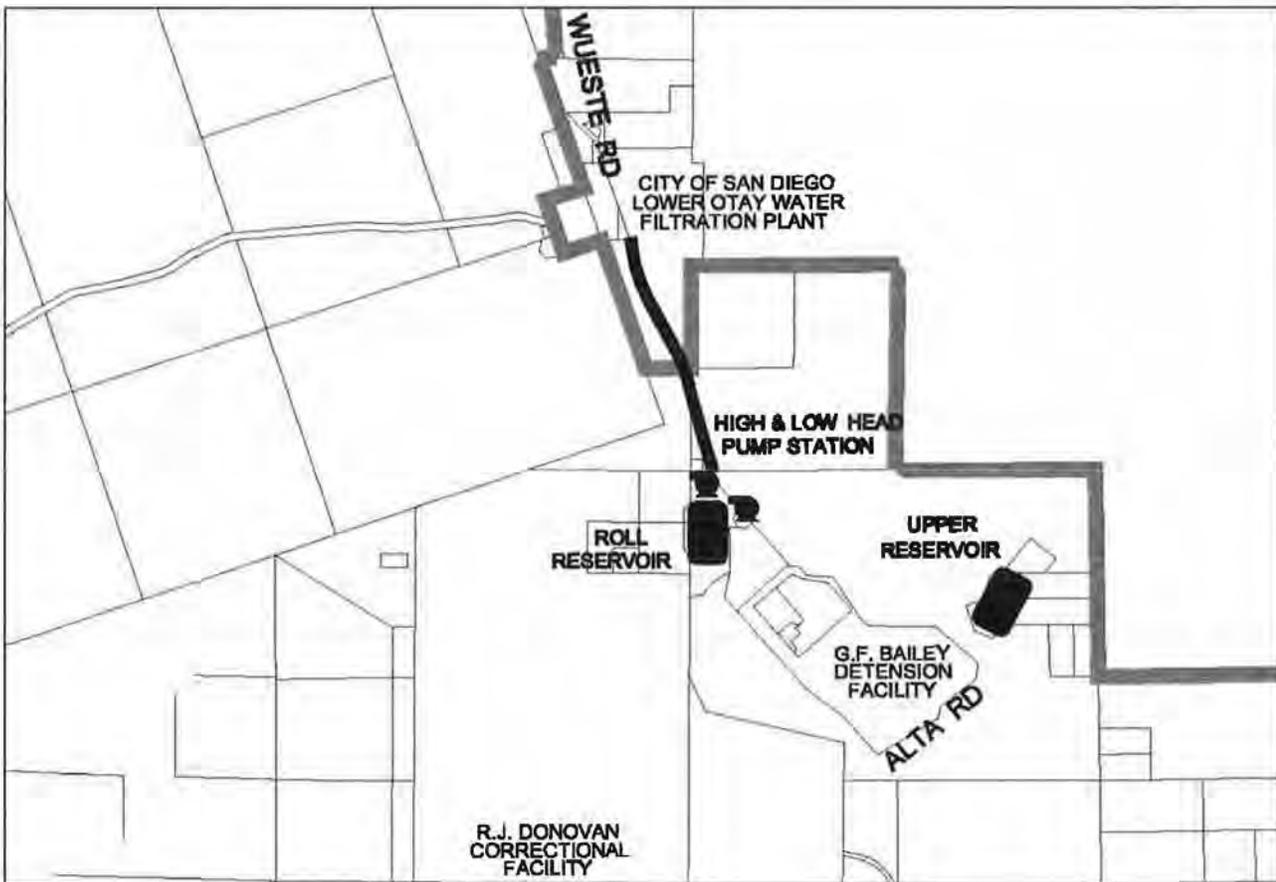
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2016	1/31/2017	\$25
DESIGN:	2/1/2017	8/31/2020	\$225
CONSTRUCTION:	9/1/2020	6/30/2021	\$350

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: 71



Submitted By: Jolene Fielding

Date: 4/19/2016

PROJECT TITLE: Regional Training Facility

CIP Number: P2466

PROJECT MANAGER: Lisa Coburn-Boyd

DIRECTOR DIVISION: 5

ORIGINAL APPROVED DATE: 5/29/2007

I.D. LOCATION: 22

RELATED CIP PROJECTS: P2504

PRIORITY: 1

BUDGET AMOUNT: \$300,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$294	\$6	\$0	\$0	\$0	\$0	\$300

CIP Number: P2466

PROJECT SCHEDULE:

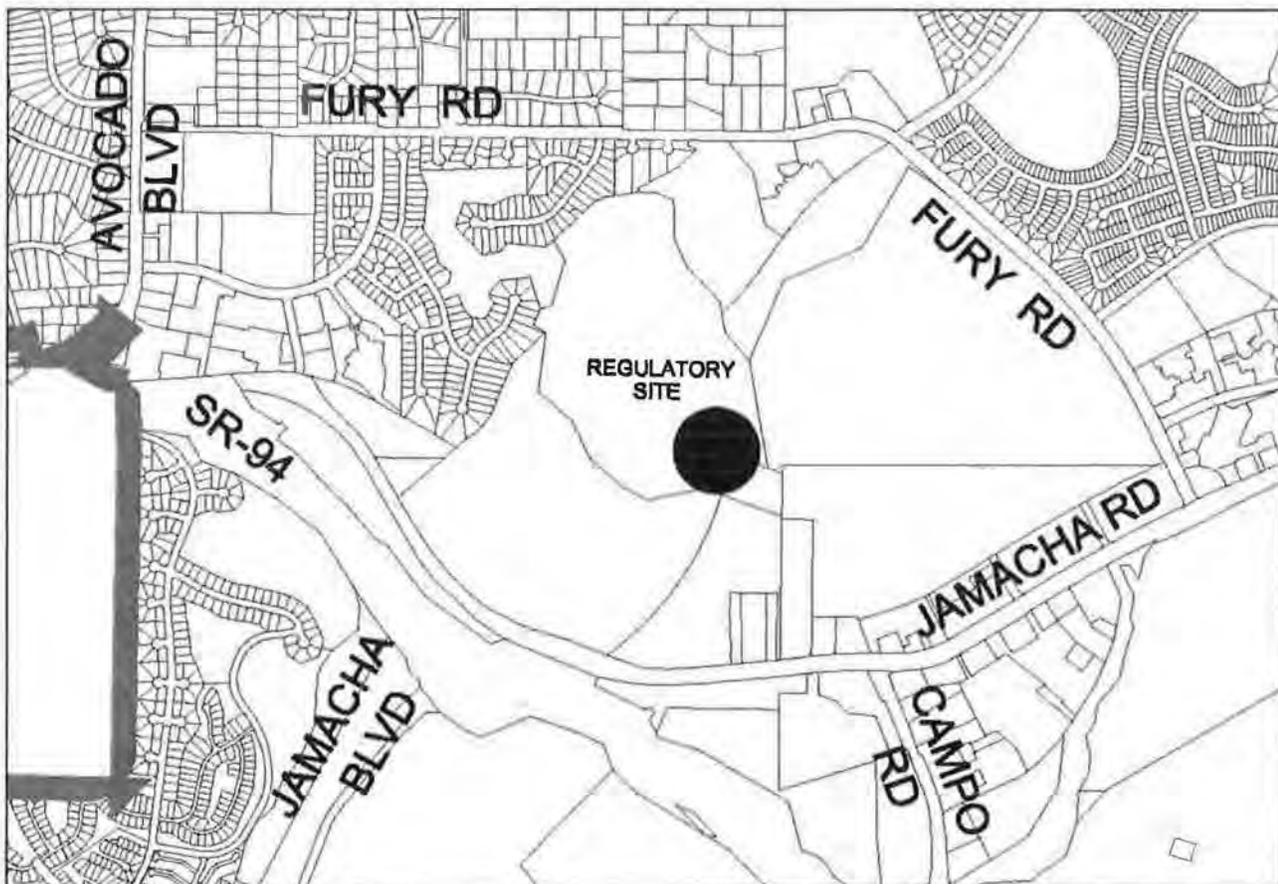
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2007	6/30/2017	\$300
DESIGN:			\$0
CONSTRUCTION:			\$0

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$1,000	\$1,000	\$1,000	\$0	\$0	\$0	\$3,000
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 343



Submitted By: Jolene Fielding

Date: 5/10/2016

PROJECT TITLE: SCADA Communication System and Software Replacement

CIP Number: P2485

DIRECTOR DIVISION: 0

PROJECT MANAGER: Michael Kerr

I.D. LOCATION: District Wide

ORIGINAL APPROVED DATE: 5/21/2009

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$2,014,000

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 FY 2017 is for the replacement of programmable logic controller's (PLC's) in the field that will no longer be supported at that time. \$40K in FY 2016 for the SCADA Roadmap Documentation.

JUSTIFICATION OF PROJECT:

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

COMMENTS:

Going into Fiscal Year 2017 and beyond, the anticipated expenditures are for the following:

Power backup for all remote sites, both material and staff labor - \$36K

PLC replacement and stationary generator fuel level readings on SCADA, both material and staff labor - \$50K

FY 2018 - \$85K for PLC upgrade project- upgrade 10 PLCs (materials and labor)

FY 2019 - \$85K for PLC upgrade project- upgrade 10 PLCs (materials and labor)

FY 2020 - \$85K for PLC upgrade project- upgrade 10 PLCs (materials and labor)

FY 2021 - \$85K for PLC upgrade project- upgrade 10 PLCs (materials and labor)

FY 2022 - \$24K for PLC upgrade project- upgrade 3 PLCs (materials and labor)

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	2017	2018	2019	2020	2021	2022	Total	
	\$1,650	\$85	\$85	\$85	\$85	\$24	\$0	\$2,014

CIP Number: P2485

PROJECT SCHEDULE:

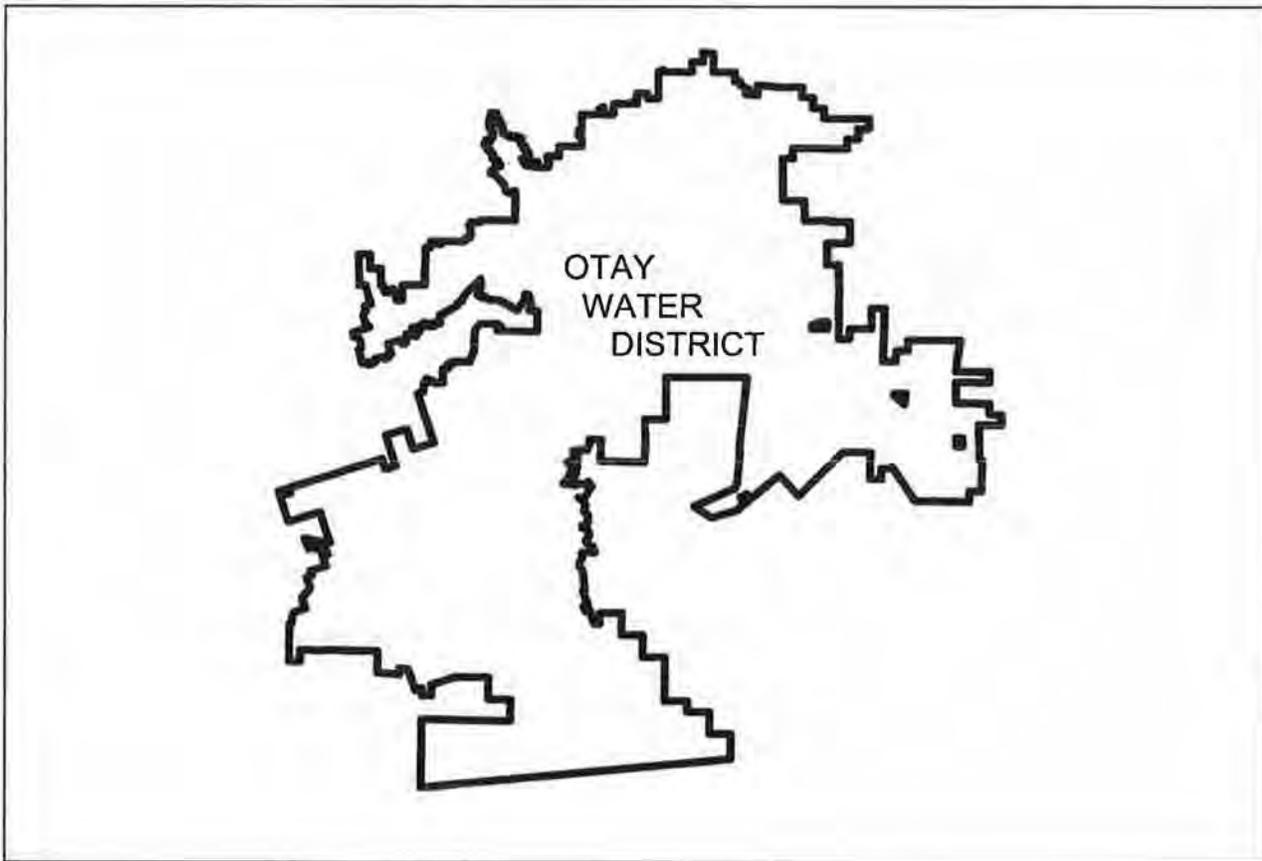
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2009	6/30/2021	\$2,014

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: 5/12/2016

PROJECT TITLE: Asset Management - Info Master Water Implementation

CIP Number: P2486

PROJECT MANAGER: Ming Zhao

DIRECTOR DIVISION: 0

ORIGINAL APPROVED DATE: 5/21/2009

I.D. LOCATION: District Wide

RELATED CIP PROJECTS:

PRIORITY: 1

BUDGET AMOUNT: \$957,000

DESCRIPTION OF PROJECT:

This project is for the development of an integrated Asset Management system. Funds in FY 2016 were used to assign the criticality to major facilities and testing of condition assessment methodologies. Implement the Asset Management software, Info Master. Explore the analytical capabilities to better use asset management information.

JUSTIFICATION OF PROJECT:

Implementation of an Asset Management Plan is a 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:

Remaining Asset Management task for FY 2017 and FY 2018 is the implementation of the Info Master Water Program. Previously included Info Master sewer acquisition and implementation have been moved to a separate sewer CIP project.

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$912	\$25	\$20	\$0	\$0	\$0	\$957

CIP Number: P2486

PROJECT SCHEDULE:

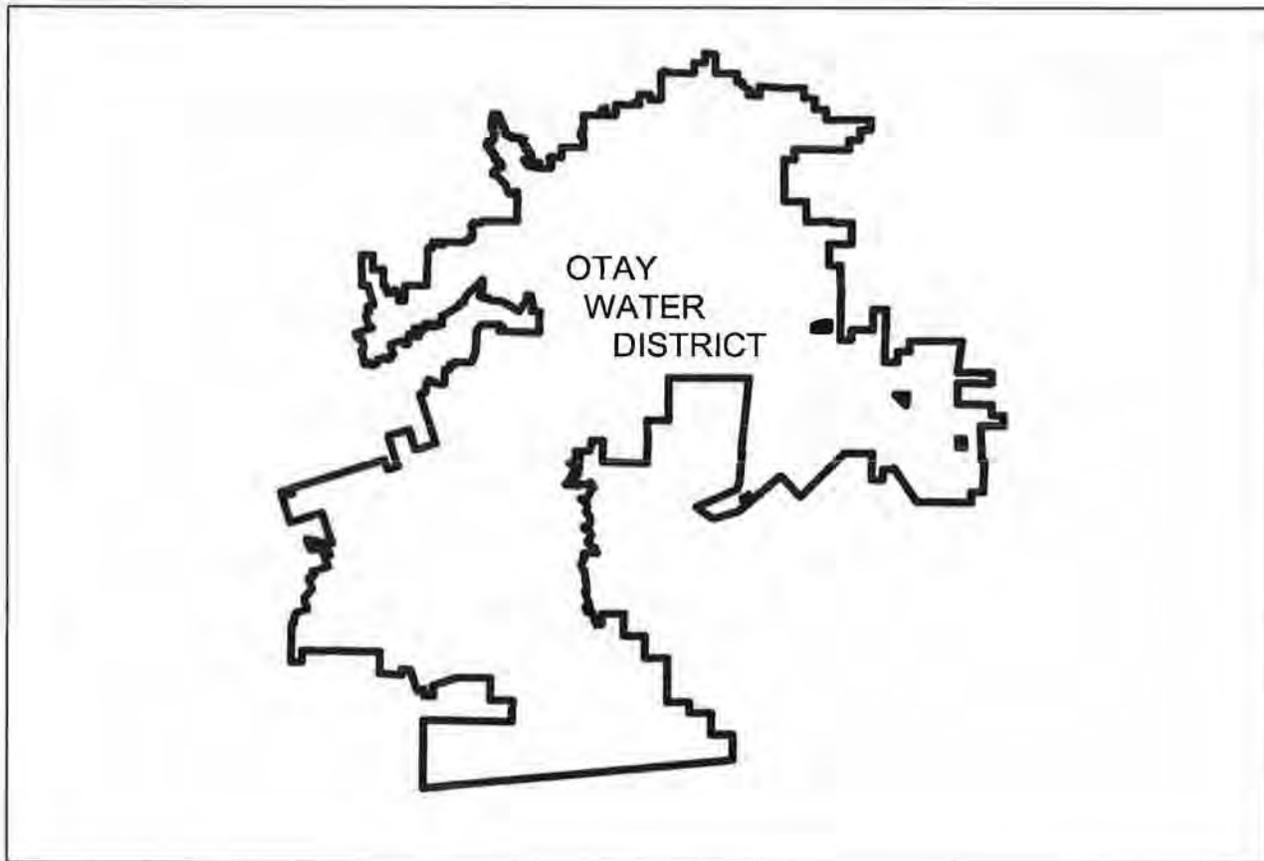
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2009	6/30/2018	\$957
DESIGN:			\$0
CONSTRUCTION:			\$0

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 4/19/2016

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE: Multiple Species Conservation Plan	CIP Number: P2494
PROJECT MANAGER: Lisa Coburn-Boyd	DIRECTOR DIVISION: 0
ORIGINAL APPROVED DATE: 5/21/2009	I.D. LOCATION: District Wide
RELATED CIP PROJECTS: P2495	PRIORITY: 1
	BUDGET AMOUNT: \$950,000

DESCRIPTION OF PROJECT:

This project is 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	2017	2018	2019	2020	2021	2022	Total
	\$882	\$48	\$20	\$0	\$0	\$0	\$950

CIP Number: P2494

PROJECT SCHEDULE:

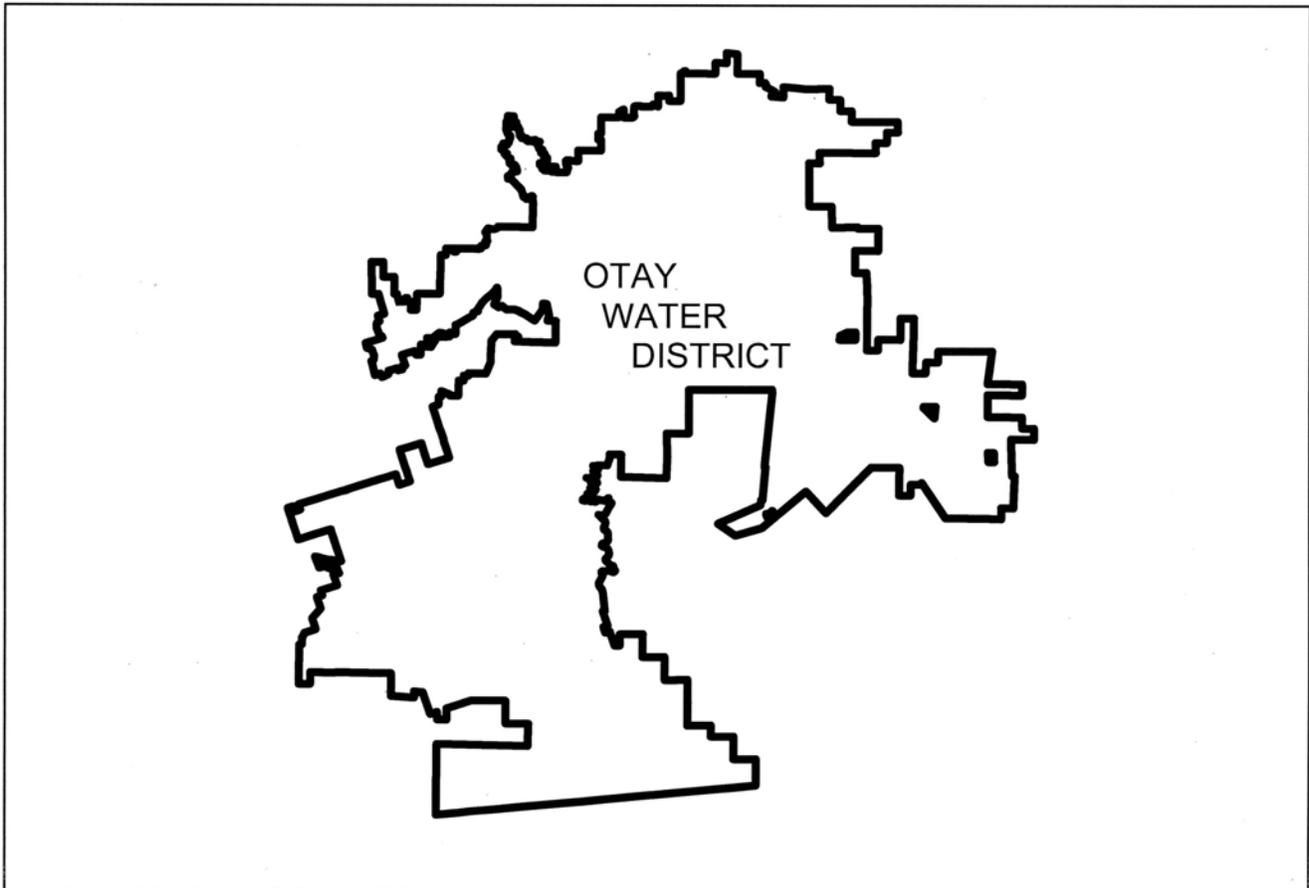
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2009	6/30/2018	\$950
DESIGN:			\$0
CONSTRUCTION:			\$0

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/16/2016

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE: Otay Lakes Road Utility Relocations	CIP Number: P2496
PROJECT MANAGER: Dan Martin	DIRECTOR DIVISION: 4
ORIGINAL APPROVED DATE: 5/21/2009	I.D. LOCATION: 22
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$325,000

DESCRIPTION OF PROJECT:

This project is 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, as 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	2017	2018	2019	2020	2021	2022	Total
	\$300	\$5	\$20	\$0	\$0	\$0	\$325

CIP Number: P2496

PROJECT SCHEDULE:

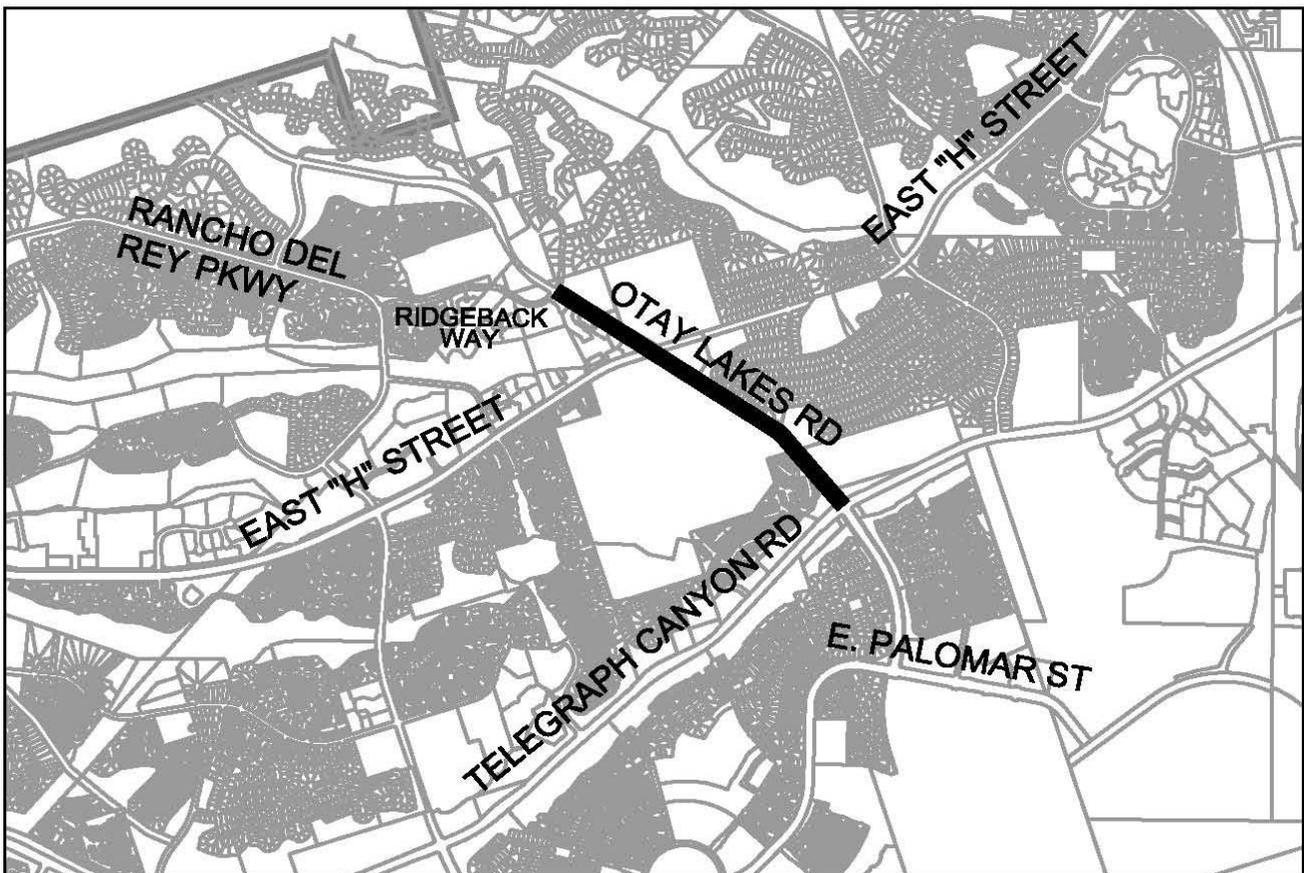
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2009	8/1/2009	\$4
DESIGN:	9/1/2009	12/1/2009	\$11
CONSTRUCTION:	1/1/2010	6/30/2018	\$310

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 113



Submitted By: Jolene Fielding

Date: 5/16/2016

PROJECT TITLE: Regulatory Site Access Road and Pipeline Relocation

CIP Number: P2504

DIRECTOR DIVISION: 5

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE: 5/17/2010

PRIORITY: 1

RELATED CIP PROJECTS: P2466

BUDGET AMOUNT: \$900,000

DESCRIPTION OF PROJECT:

This project is to improve the existing access road from the proposed sheriff substation site to the Regulatory Reservoir Site.

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$330	\$20	\$330	\$120	\$100	\$0	\$0
							\$900

CIP Number: P2504

PROJECT SCHEDULE:

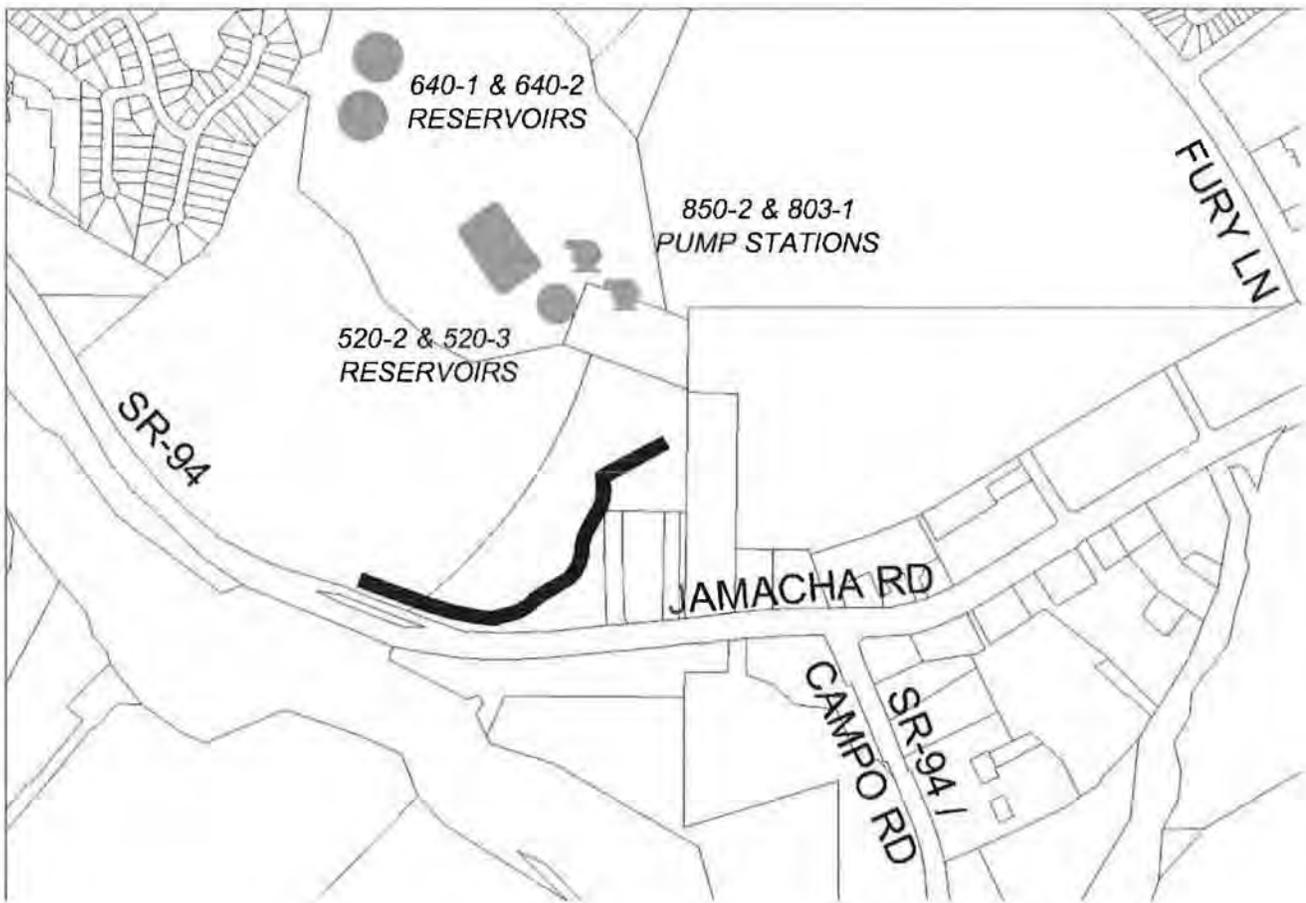
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2010	9/1/2010	\$85
DESIGN:	10/1/2010	12/31/2017	\$275
CONSTRUCTION:	1/1/2018	6/30/2020	\$540

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Steve Beppler

Date: 4/21/2016

PROJECT TITLE: PL - 12-Inch, 640 Zone, Jamacha Road - Darby/Osage

CIP Number: P2516

DIRECTOR DIVISION: 3

PROJECT MANAGER: Jeff Marchioro

I.D. LOCATION:

ORIGINAL APPROVED DATE:

PRIORITY: 3

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$800,000

DESCRIPTION OF PROJECT:

This project is for construction of approximately 1,250 feet of 12-inch pipeline in Jamacha Road and Osage Drive in the 640 Pressure Zone.

JUSTIFICATION OF PROJECT:

The existing pipelines are located in easements in the side yards of homes. The pipelines are a risk and liability to the District if they were to fail.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$0	\$0	\$0	\$75	\$100	\$625	\$800

CIP Number: P2516

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2019	6/30/2020	\$75
DESIGN:	7/1/2020	6/30/2021	\$100
CONSTRUCTION:	7/1/2021	6/30/2023	\$625

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: 301



Submitted By: Jolene Fielding

Date: 5/10/2016

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: \$120,000

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:

The remaining work includes adding some additional VHF radios at pump stations that are not able to have a copper telephone (red phone) as well as augment the EOC and some management with RCS 800 MHZ radios.

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$90	\$30	\$0	\$0	\$0	\$0	\$120

CIP Number: P2520

PROJECT SCHEDULE:

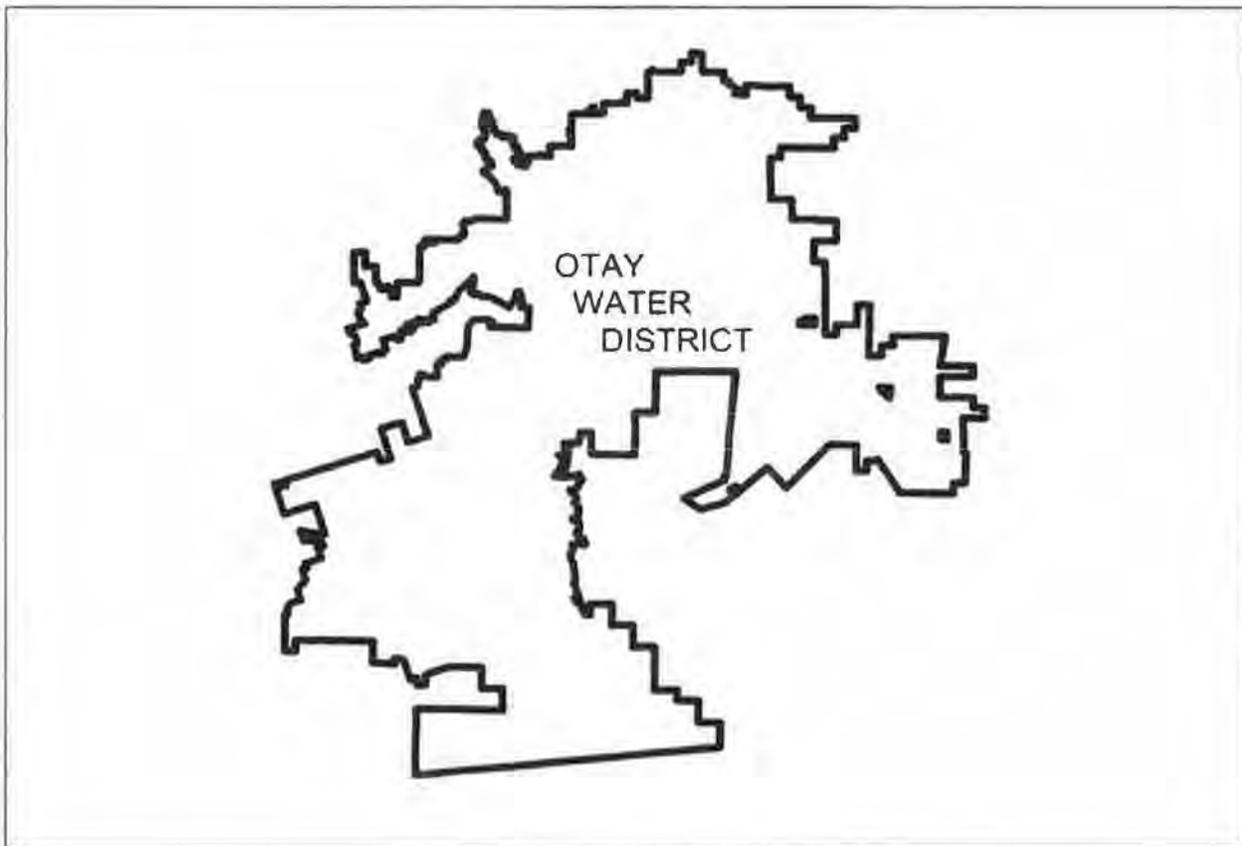
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	8/1/2011	6/30/2017	\$120

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Donald Bienvenue

Date: 3/4/2016

PROJECT TITLE: Large Meter Vault Upgrade Program

CIP Number: P2521

PROJECT MANAGER: Roger Holly

DIRECTOR DIVISION: 0

ORIGINAL APPROVED DATE: 5/16/2011

I.D. LOCATION: District Wide

RELATED CIP PROJECTS:

PRIORITY: 1

BUDGET AMOUNT: \$400,000

DESCRIPTION OF PROJECT:

This project is for the retrofit and upgrade of approximately 50 large meter vaults to either above ground conditions or eliminate the confined space depth.

JUSTIFICATION OF PROJECT:

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

COMMENTS:

This is a re-activation of previous CIP. Staff will be looking at vaults again to see if additional meters can be brought above ground or retrofits done to eliminate the confined space requirement.

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	2017	2018	2019	2020	2021	2022	Total
	\$0	\$100	\$100	\$100	\$0	\$0	\$400

CIP Number: P2521

PROJECT SCHEDULE:

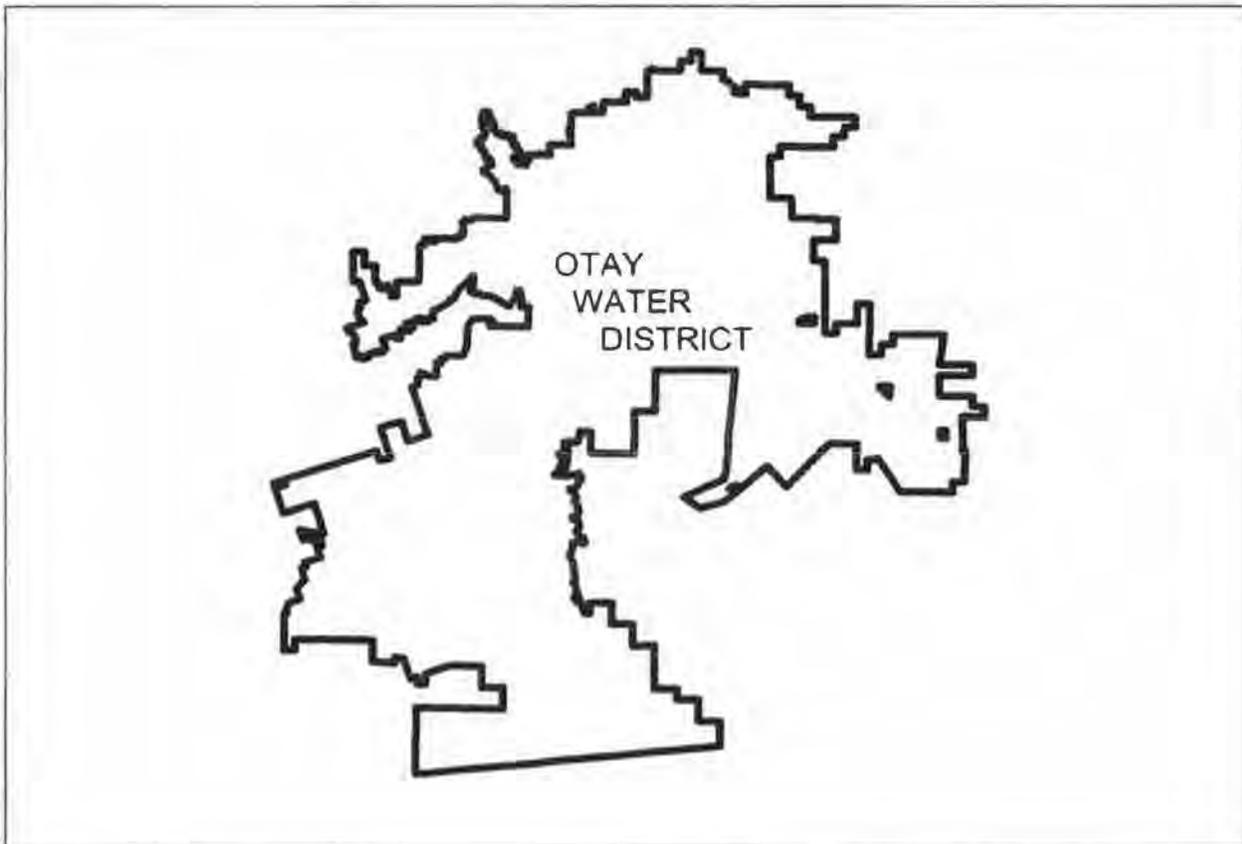
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	8/1/2016	6/1/2020	\$400

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Andrea Carey

Date: 3/16/2016

PROJECT TITLE: Operations Yard Property Acquisition Improvements

CIP Number: P2537

PROJECT MANAGER: Stephen Beppler

DIRECTOR DIVISION: 4

ORIGINAL APPROVED DATE: 11/13/2008

I.D. LOCATION: 22

RELATED CIP PROJECTS: P2479

PRIORITY: 1

BUDGET AMOUNT: \$775,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

Construction projected to be completed during FY 2016, with potential carry over of punchlist items into FY 2017 along with warranty inspection.

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	2017	2018	2019	2020	2021	2022	Total
	\$765	\$10	\$0	\$0	\$0	\$0	\$775

CIP Number: P2537

PROJECT SCHEDULE:

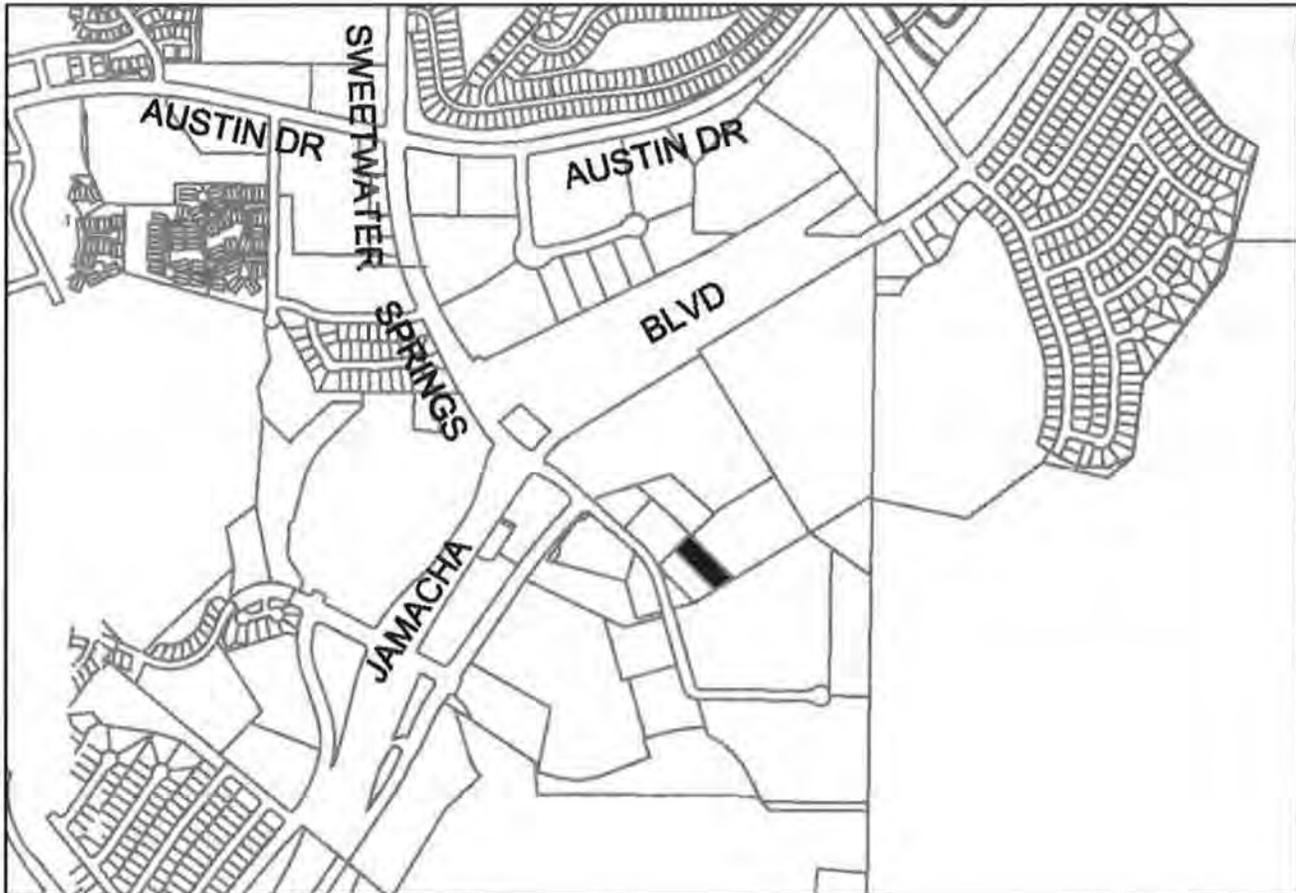
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	6/1/2008	6/30/2014	\$15
DESIGN:	7/1/2014	11/30/2015	\$185
CONSTRUCTION:	12/1/2015	6/30/2016	\$575

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$1	\$0	\$0	\$1
ENERGY:	\$700	\$725	\$750	\$775	\$800	\$800	\$4,550
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 318



Submitted By: Bob Kennedy

Date: 5/12/2016

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE: 624 Pressure Zone PRSs	CIP Number: P2541
PROJECT MANAGER: Jeff Marchioro	DIRECTOR DIVISION: 2
ORIGINAL APPROVED DATE:	I.D. LOCATION: 22
RELATED CIP PROJECTS: P2434	PRIORITY: 1
	BUDGET AMOUNT: \$760,000

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 458 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:

Overall budget increased since construction project on track to complete in FY 2016. Small budget added for warranty inspection in FY 2017.

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	2017	2018	2019	2020	2021	2022	Total
	\$750	\$10	\$0	\$0	\$0	\$0	\$760

CIP Number: P2541

PROJECT SCHEDULE:

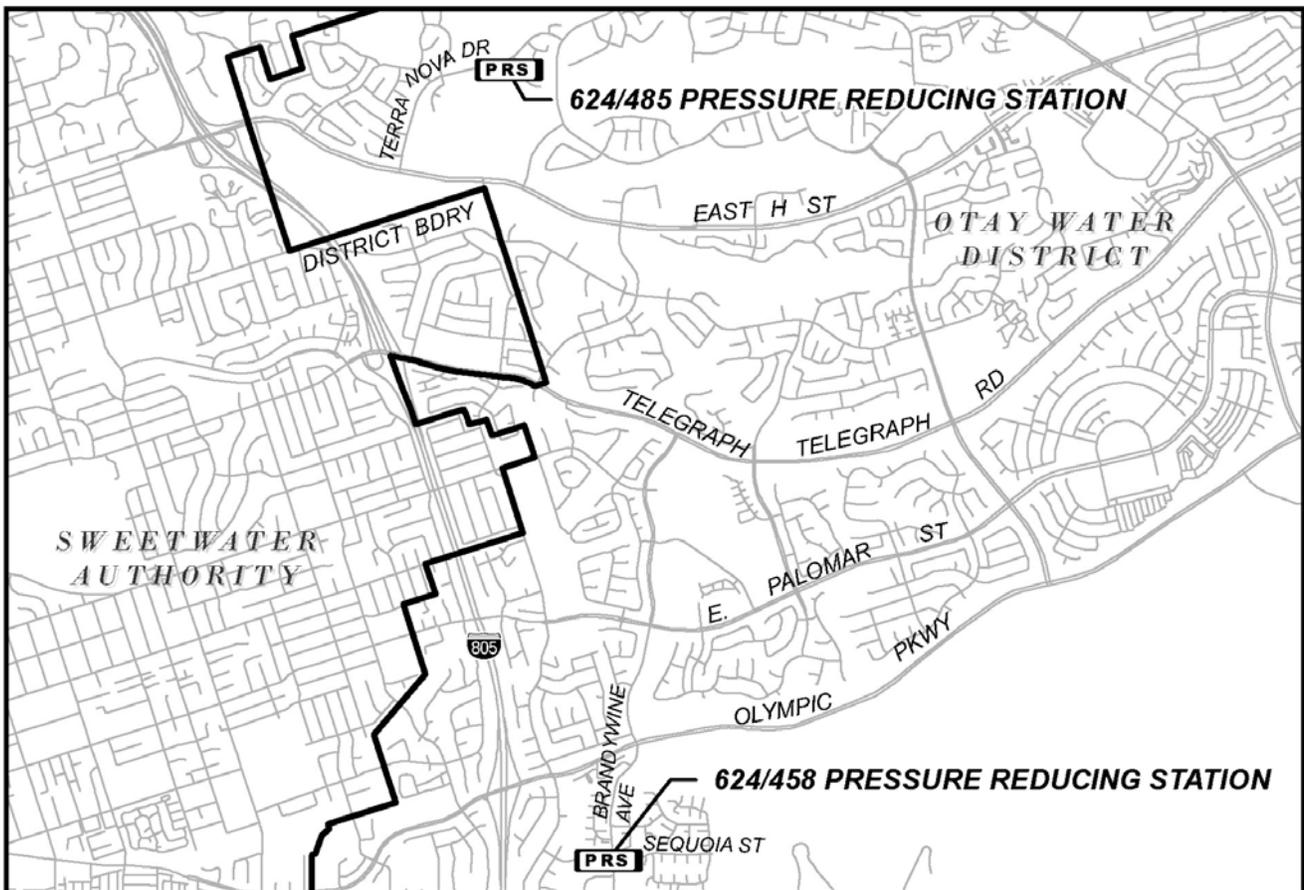
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2013	6/30/2014	\$2
DESIGN:	7/1/2014	8/31/2015	\$220
CONSTRUCTION:	9/1/2015	7/30/2016	\$538

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Jolene Fielding

Date: 5/16/2016

PROJECT TITLE: District Administration Vehicle Charging Stations

CIP Number: P2547

PROJECT MANAGER: Stephen Beppler

DIRECTOR DIVISION: 3

ORIGINAL APPROVED DATE:

I.D. LOCATION: 22

RELATED CIP PROJECTS:

PRIORITY: 1

BUDGET AMOUNT: \$125,000

DESCRIPTION OF PROJECT:

This project is for the construction of four (4) electric vehicle charging stations at the lower Administration parking lot.

JUSTIFICATION OF PROJECT:

Alternative fueled vehicles are becoming more common, with electric only vehicles making up a significant portion of these. To support the needs of these vehicles and their limited driving range, the District proposes installing vehicle charging stations to allow employees to consider using for their commute.

COMMENTS:

\$1K Permit
\$81K Engineer's Estimate
\$14K Design Fee
\$29K Staff time, inspection and contingency

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$20	\$85	\$20	\$0	\$0	\$0	\$125

CIP Number: P2547

PROJECT SCHEDULE:

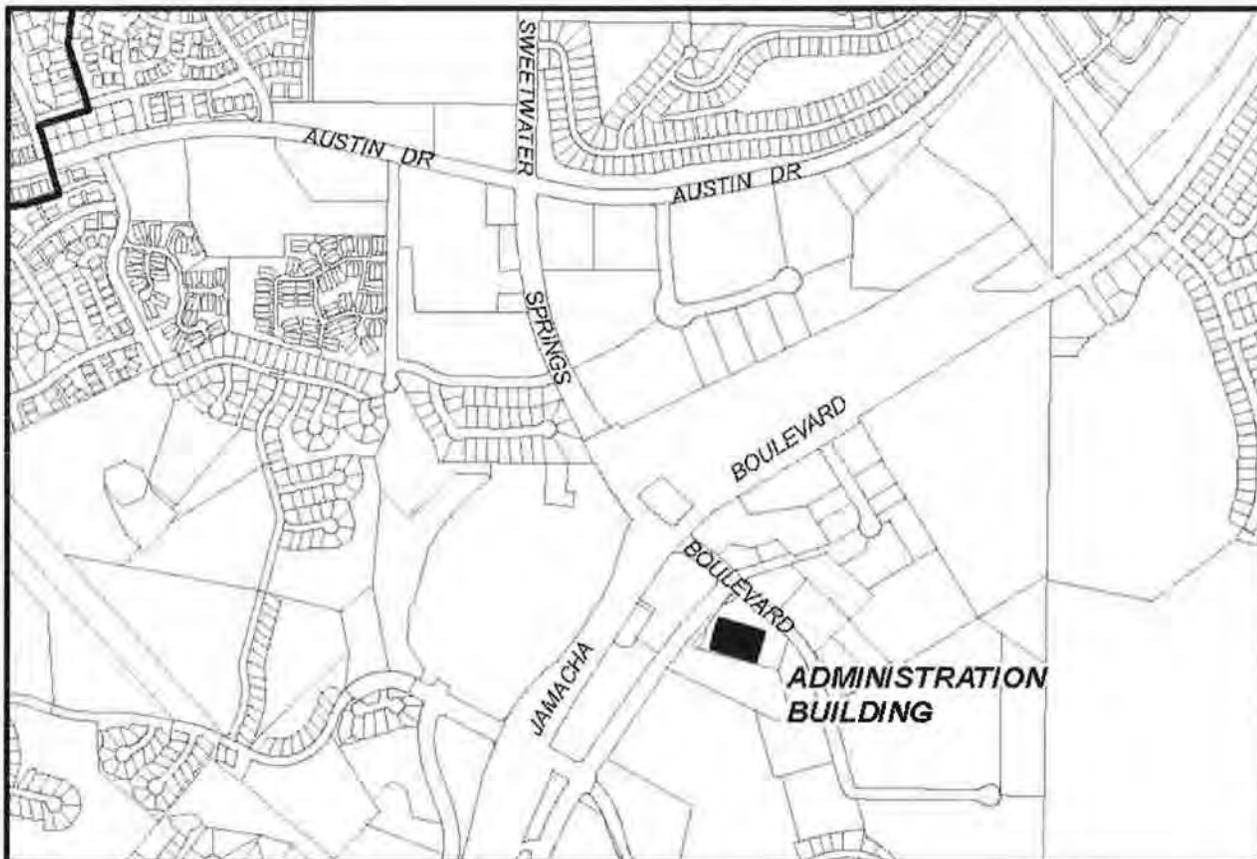
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2014	6/30/2015	\$10
DESIGN:	7/1/2015	12/31/2016	\$15
CONSTRUCTION:	1/1/2017	6/30/2018	\$100

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$200	\$200	\$200	\$200	\$200	\$200	\$1,200
ENERGY:	\$500	\$500	\$500	\$500	\$500	\$500	\$3,000
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 318



Submitted By: Bob Kennedy

Date: 5/12/2016

PROJECT TITLE: Fuel Island Upgrade

CIP Number: P2550

DIRECTOR DIVISION: 3

PROJECT MANAGER: Kent Payne

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 1

RELATED CIP PROJECTS: P2549

BUDGET AMOUNT: \$112,000

DESCRIPTION OF PROJECT:

This project is to upgrade the District's fuel system, both in the vehicles as well as the fuel island dispensers, sumps, and island.

JUSTIFICATION OF PROJECT:

This work is needed to comply with County requirements for the operation of the fuel island. This project will allow any employee to fill a District vehicle with no training. Authorizations and transactions will be done wireless so electrical lines run through the fuel hoses or ground loops will be used and it will also allow Management tighter control on the dispensing of fuel by placing limits on types of fueling and have better reporting features.

COMMENTS:

Work to improve the secondary containment and dispensing equipment in accordance with District/County Settlement agreement. Budget increased from \$75K to \$112K based on bids received and additional regulatory compliance needs.

Construction \$104,000
Fire Permit \$1,000
APCD Permit \$1,300
DEH Permit \$1,700
County Fees \$500 (encroachment if necessary)
Temp Fuel \$1,000 (permit for tank/dispenser)
Misc. Exp. \$2,500 (fuel tank/dispenser rental, etc.)

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	2017	2018	2019	2020	2021	2022	Total
	\$0	\$112	\$0	\$0	\$0	\$0	\$112

CIP Number: P2550

PROJECT SCHEDULE:

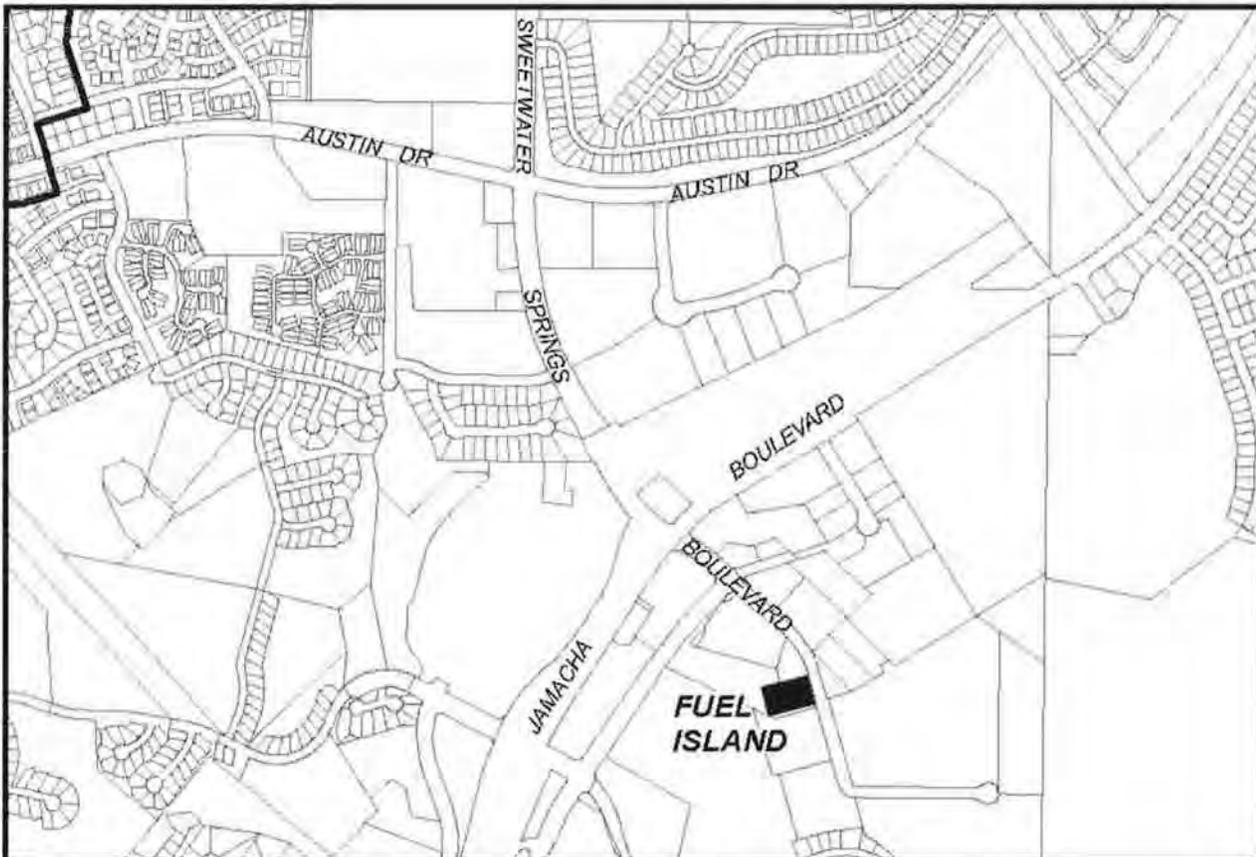
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2016	7/31/2016	\$5
DESIGN:	8/1/2016	9/30/2016	\$17
CONSTRUCTION:	10/1/2016	3/31/2017	\$90

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 318



Submitted By: Jolene Fielding

Date: 5/10/2016

PROJECT TITLE: Blossom Lane Helix WD and Otay WD Interconnection

CIP Number: P2551

PROJECT MANAGER: Stephen Beppler

DIRECTOR DIVISION: 3

ORIGINAL APPROVED DATE:

I.D. LOCATION: 22

RELATED CIP PROJECTS: P2552

PRIORITY: 2

BUDGET AMOUNT: \$210,000

DESCRIPTION OF PROJECT:

This project is to upgrade the meter, vault, telemetry and other interconnection appurtenances to meet current standards.

JUSTIFICATION OF PROJECT:

To upgrade the existing interconnection to meet current standards.

COMMENTS:

Project completion extended into FY 2017 for warranty period and programming of SCADA (added \$10K for this, missing from scope of work).

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$190	\$20	\$0	\$0	\$0	\$0	\$210

CIP Number: P2551

PROJECT SCHEDULE:

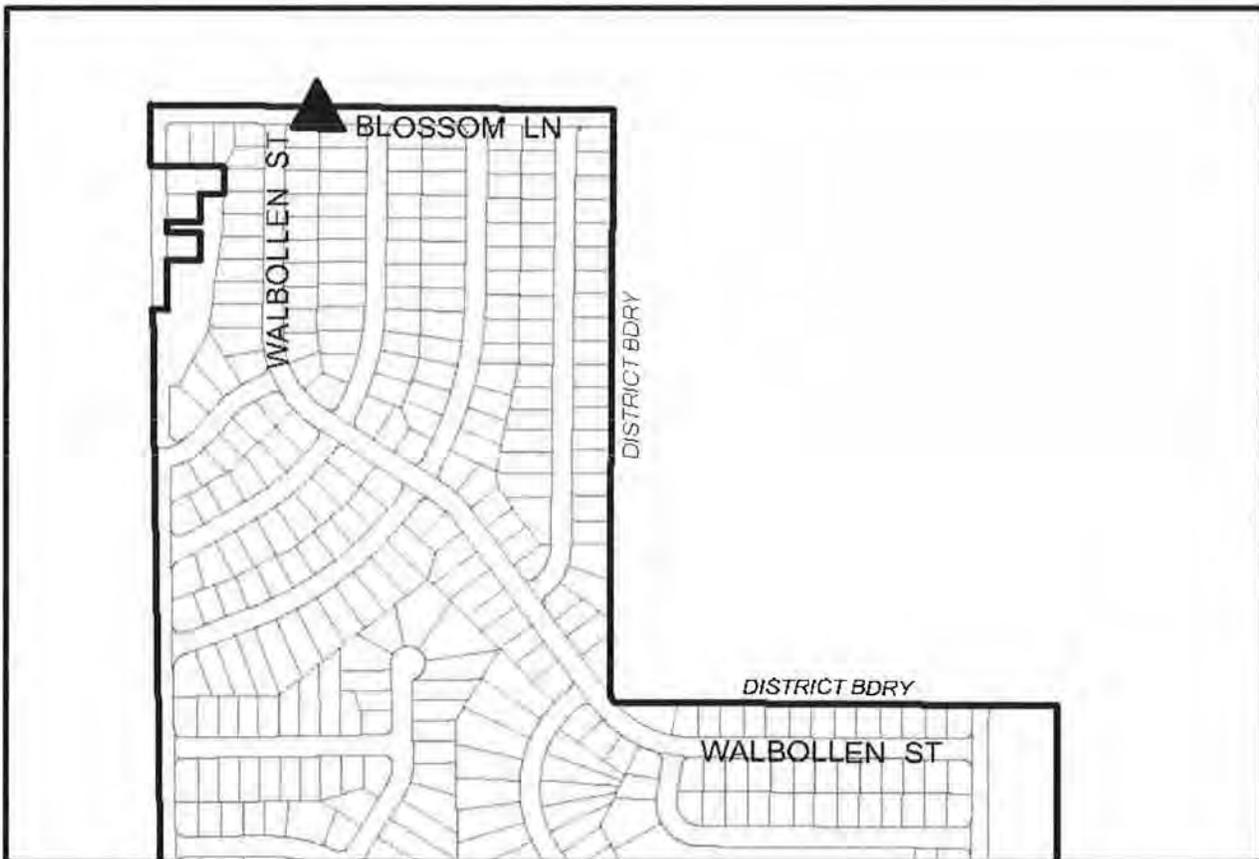
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2014	6/30/2015	\$5
DESIGN:	7/1/2015	2/28/2016	\$25
CONSTRUCTION:	3/1/2016	6/30/2017	\$180

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Jolene Fielding

Date: 5/10/2016

PROJECT TITLE: South Barcelona Helix WD and Otay WD Interconnection

CIP Number: P2552

PROJECT MANAGER: Stephen Beppler

DIRECTOR DIVISION: 3

ORIGINAL APPROVED DATE:

I.D. LOCATION: 22

RELATED CIP PROJECTS: P2551

PRIORITY: 1

BUDGET AMOUNT: \$210,000

DESCRIPTION OF PROJECT:

This project is 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:

Project completion extended into FY 2017 for warranty period and programming of SCADA (added \$10K for this, missing from scope of work).

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$190	\$20	\$0	\$0	\$0	\$0	\$210

CIP Number: P2552

PROJECT SCHEDULE:

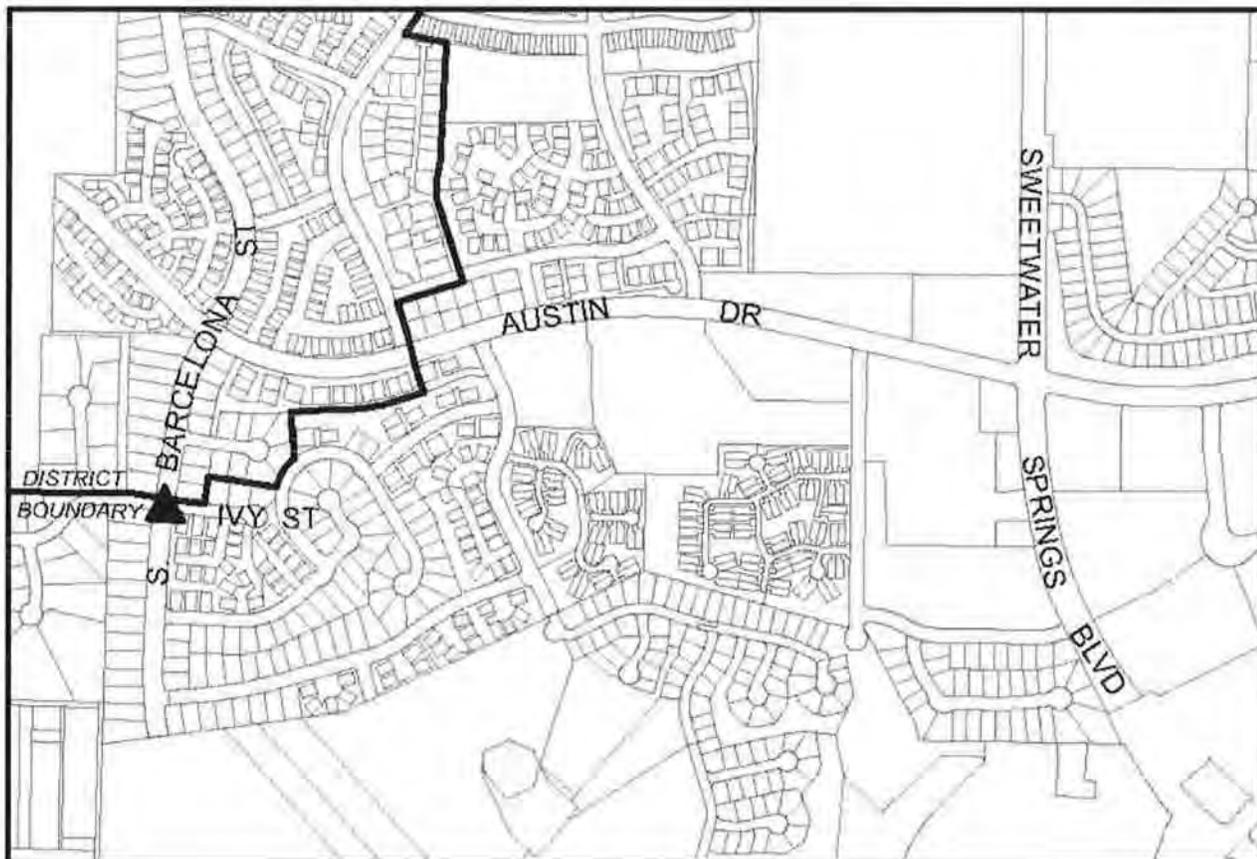
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2014	6/30/2015	\$5
DESIGN:	7/1/2015	2/28/2016	\$30
CONSTRUCTION:	3/1/2016	8/31/2016	\$175

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 317



Submitted By: Jolene Fielding

Date: 5/10/2016

PROJECT TITLE: Heritage Road Bridge Replacement and Utility Relocation

CIP Number: P2553

DIRECTOR DIVISION: 2

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$1,430,000

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 water use and an 8-inch pipeline for future recycled water use. In addition to the bridge crossing, approximately 1,600 linear feet of 16-inch potable water pipeline is required. An existing 16-inch ACP pipeline in Otay River will be abandoned or converted to recycled water use.

JUSTIFICATION OF PROJECT:

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

COMMENTS:

Budget increased from \$1.2M to \$1.43M to reflect latest projected costs and scope of work.

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	2017	2018	2019	2020	2021	2022	Total	
	\$5	\$100	\$380	\$685	\$260	\$0	\$0	\$1,430

CIP Number: P2553

PROJECT SCHEDULE:

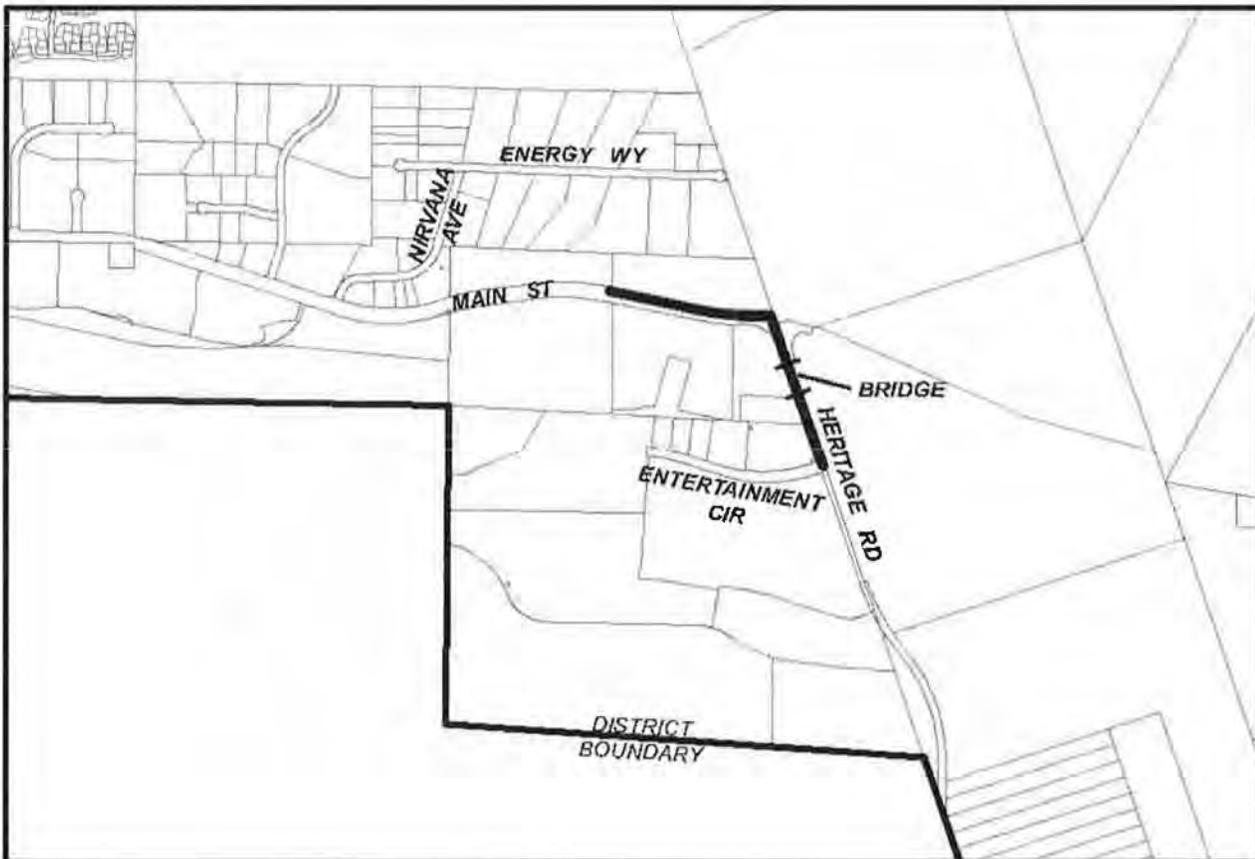
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2014	12/30/2016	\$50
DESIGN:	1/2/2017	3/7/2018	\$385
CONSTRUCTION:	3/8/2018	6/30/2020	\$995

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 50 & 51



Submitted By: Jolene Fielding

Date: 5/10/2016

PROJECT TITLE: Administration Carpet Replacement Program

CIP Number: P2564

DIRECTOR DIVISION: 3

PROJECT MANAGER: Kent Payne

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$215,000

DESCRIPTION OF PROJECT:

This project covers material and labor costs for a phased replacement of the existing carpet in the following areas and in order of need: Customer Service; Finance; GM Suite; Admin Services; Engineering; and Training Room. Materials specified include commercial grade carpet tile and broadloom. Installation has little to no impact on daily operations with cubicle lift-in-place technologies and night/weekend work.

JUSTIFICATION OF PROJECT:

The existing carpet was installed in 1997 during the Headquarters expansion and remodel. Normal carpet lifespan is 10-12 years; at 18 years, Admin carpet is 150-180% lifespan and shows its age including deep wear patterns with areas of backing separation, indelible stains, and extreme fading as noted with recent cubicle removal and planned removal due to downsizing.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$0	\$5	\$210	\$0	\$0	\$0	\$215

CIP Number: P2564

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2017	6/30/2018	\$215

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 318



Submitted By: Jolene Fielding

Date: 4/19/2016

PROJECT TITLE: Technology Business Processes Improvement

CIP Number: P2568

PROJECT MANAGER: Michael Kerr

DIRECTOR DIVISION: 0

I.D. LOCATION: District Wide

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$135,000

DESCRIPTION OF PROJECT:

This project is to advance business processes and operational efficiencies through effective implementation of information technology with assistance from integrated workflow tools, document management solutions, and standardization.

JUSTIFICATION OF PROJECT:

(YR1/YR2) - Redesign of Business Process Re-engineering to streamline and/or sustain future demands and growth with existing staff and enterprise integration enhancement.

(YR1) - InfoPath Forms - (designing, distributing, and submitting electronic forms) - Near end of life and will soon need to be replaced. Staff will conduct analysis on software replacement. - \$20,000

(YR1) - Upgrade of the District's back-end Intranet structure (SharePoint) - Near end of life for support and will need to be upgraded with new features to include BI (Business Intelligence) plug-in solution (Dashboard Designer). - \$20,000

(YR2) - Enterprise Content Management and Document Management Solution. The District's current content management solution requires adaptation and new features in keeping abreast with current technologies to include content strategies and a standard taxonomy. The current solution also does not integrate well with SharePoint, the District's current Intranet back-end technology solution, and other possible integration solutions. - \$75,000

COMMENTS:

In Fiscal Year 2017 staff will evaluate the replacement of an enterprise-wide Content Management solution. Staff is currently in the discovery phase with evaluating several solutions in preparation for next Fiscal Year 2017 project. Staff is also evaluating the existing system (TRIM) with the potential for additional requirements that may be needed. This evaluation should be completed by the end of May 2016.

Project Replacement Cost - \$135,000

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	2017	2018	2019	2020	2021	2022	Total
	\$35	\$100	\$0	\$0	\$0	\$0	\$135

CIP Number: P2568

PROJECT SCHEDULE:

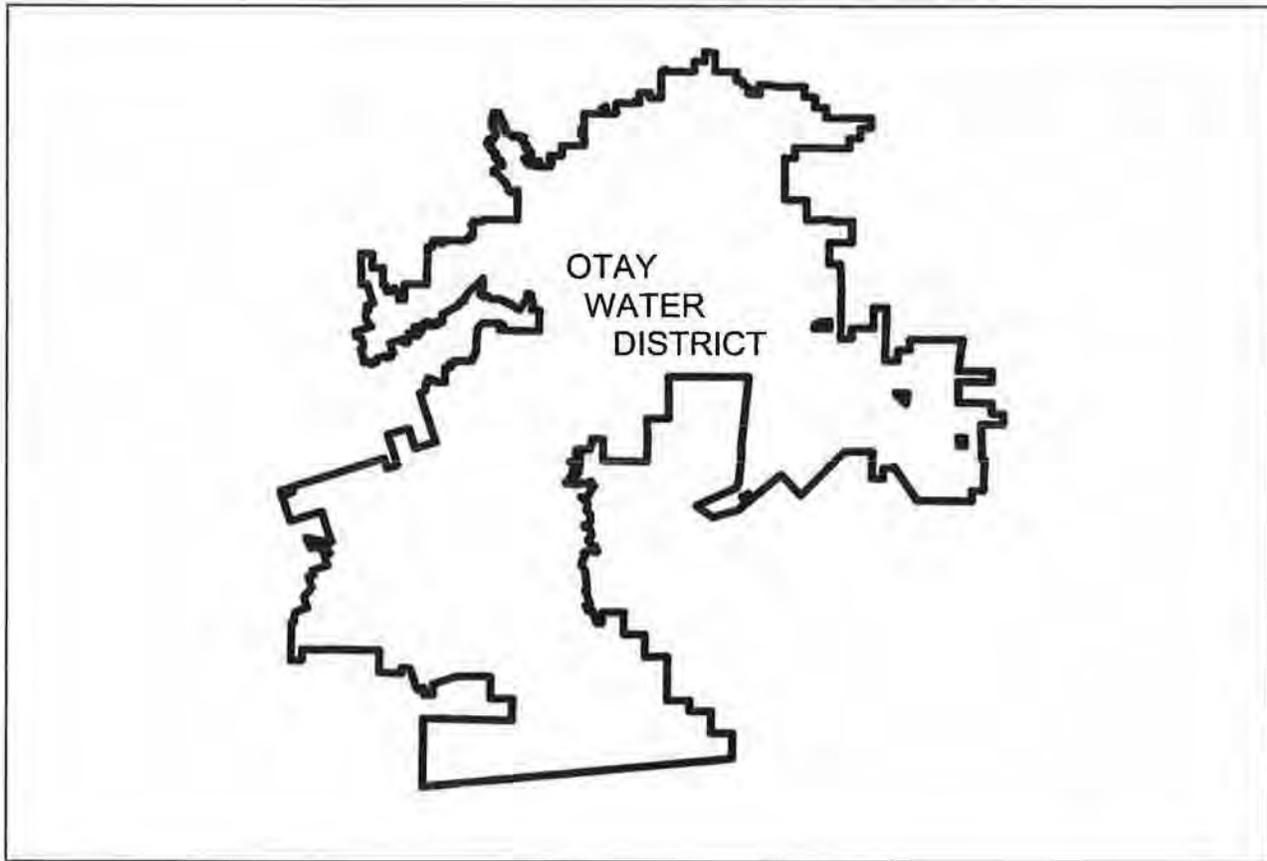
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2015	6/30/2017	\$135

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 4/20/2016

PROJECT TITLE: Metro Ethernet Implementation/ District Facilities - Pilot

CIP Number: P2569

DIRECTOR DIVISION: 0

PROJECT MANAGER: Michael Kerr

I.D. LOCATION: District Wide

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$145,000

DESCRIPTION OF PROJECT:

This project involves the implementation of Metro Ethernet to Otay Water District Facilities.

JUSTIFICATION OF PROJECT:

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

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

COMMENTS:

IT staff commenced the reengineering/redesigning of the telecommunications architecture for the District's remote facilities from wireless to 'hard-wired' technology in January 2016. The timeline to complete the sites will crossover into 2nd Quarter FY 2017. Additional funds are required for costs that include: outside vendor services for electrical improvements; additional electrical modifications to support new devices at several sites; and additional conduits needed to support existing and new infrastructure.

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	2017	2018	2019	2020	2021	2022	Total
	\$100	\$45	\$0	\$0	\$0	\$0	\$145

CIP Number: P2569

PROJECT SCHEDULE:

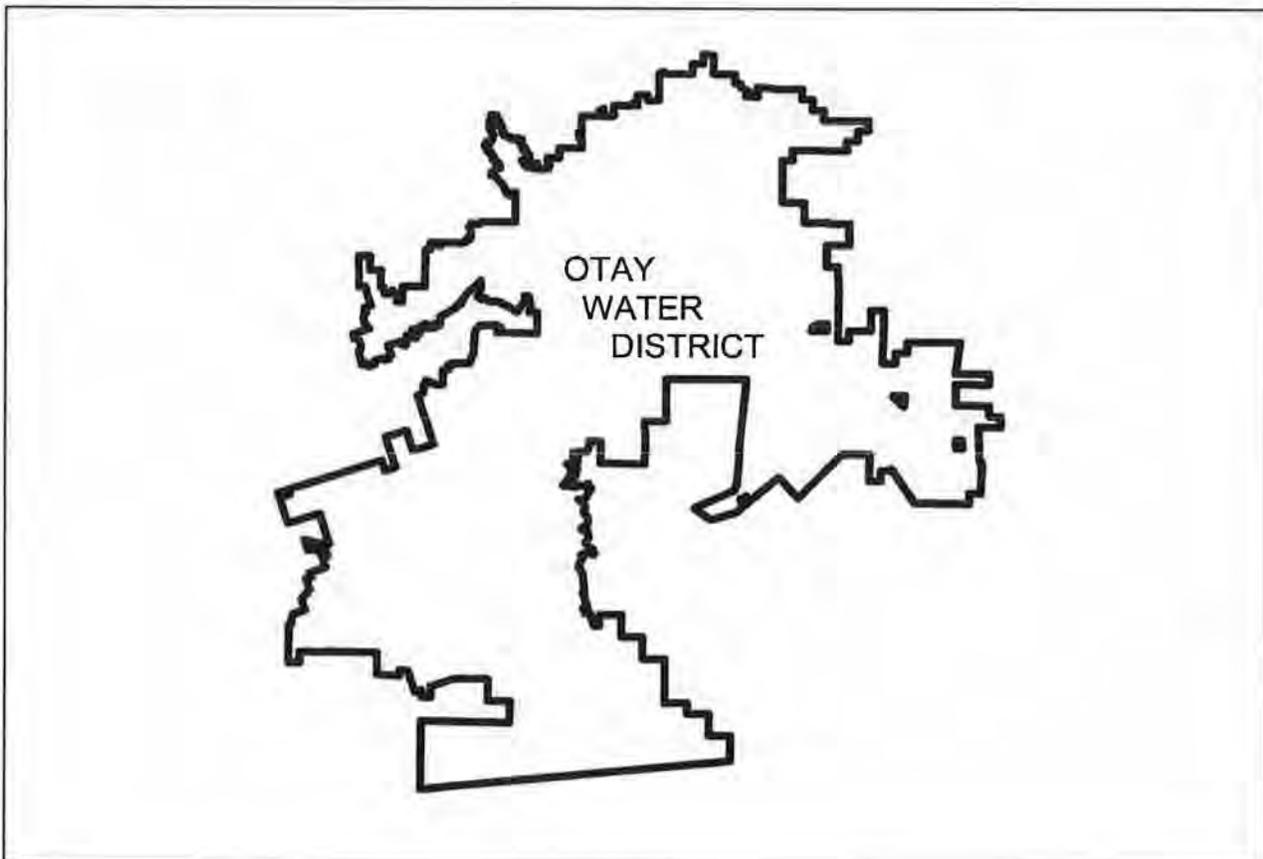
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	10/30/2016	\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2015	10/30/2016	\$145

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/10/2016

PROJECT TITLE: SCADA Equipment & Infrastructure Enhancement

CIP Number: P2570

DIRECTOR DIVISION: 0

PROJECT MANAGER: Michael Kerr

I.D. LOCATION: District Wide

ORIGINAL APPROVED DATE: 7/1/2017

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$300,000

DESCRIPTION OF PROJECT:

This project is for the replacement and enhancement of the SCADA equipment & infrastructure.

JUSTIFICATION OF PROJECT:

SCADA equipment and infrastructure requires replacement and enhancement to effectively manage the District's operational facilities.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$0	\$100	\$100	\$0	\$0	\$0	\$300

CIP Number: P2570

PROJECT SCHEDULE:

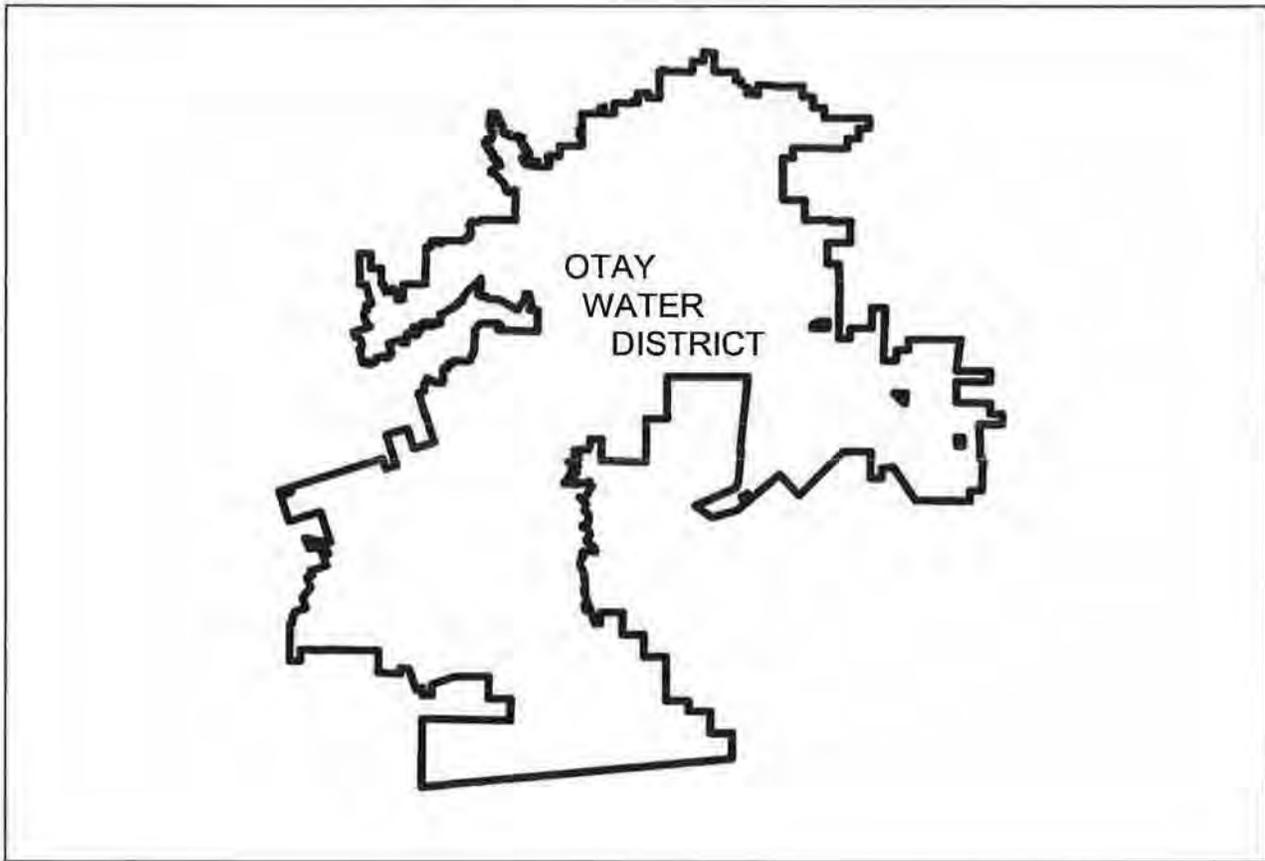
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2016	6/30/2019	\$300

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 4/19/2016

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE: Datacenter Network Enhancement & Replacement of Infrastructure Componets	CIP Number: P2571
PROJECT MANAGER: Michael Kerr	DIRECTOR DIVISION: 0
ORIGINAL APPROVED DATE: 7/7/2018	I.D. LOCATION: District Wide
RELATED CIP PROJECTS:	PRIORITY: 2
	BUDGET AMOUNT: \$200,000

DESCRIPTION OF PROJECT:
This project is for the replacement and enhancement of the infrastructure components for the Data Center Network.

JUSTIFICATION OF PROJECT:
Data Center Network infrastructure is reaching the end of its service life. This project plans for enhancement and replacement.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$0	\$0	\$100	\$100	\$0	\$0	\$200

CIP Number: P2571

PROJECT SCHEDULE:

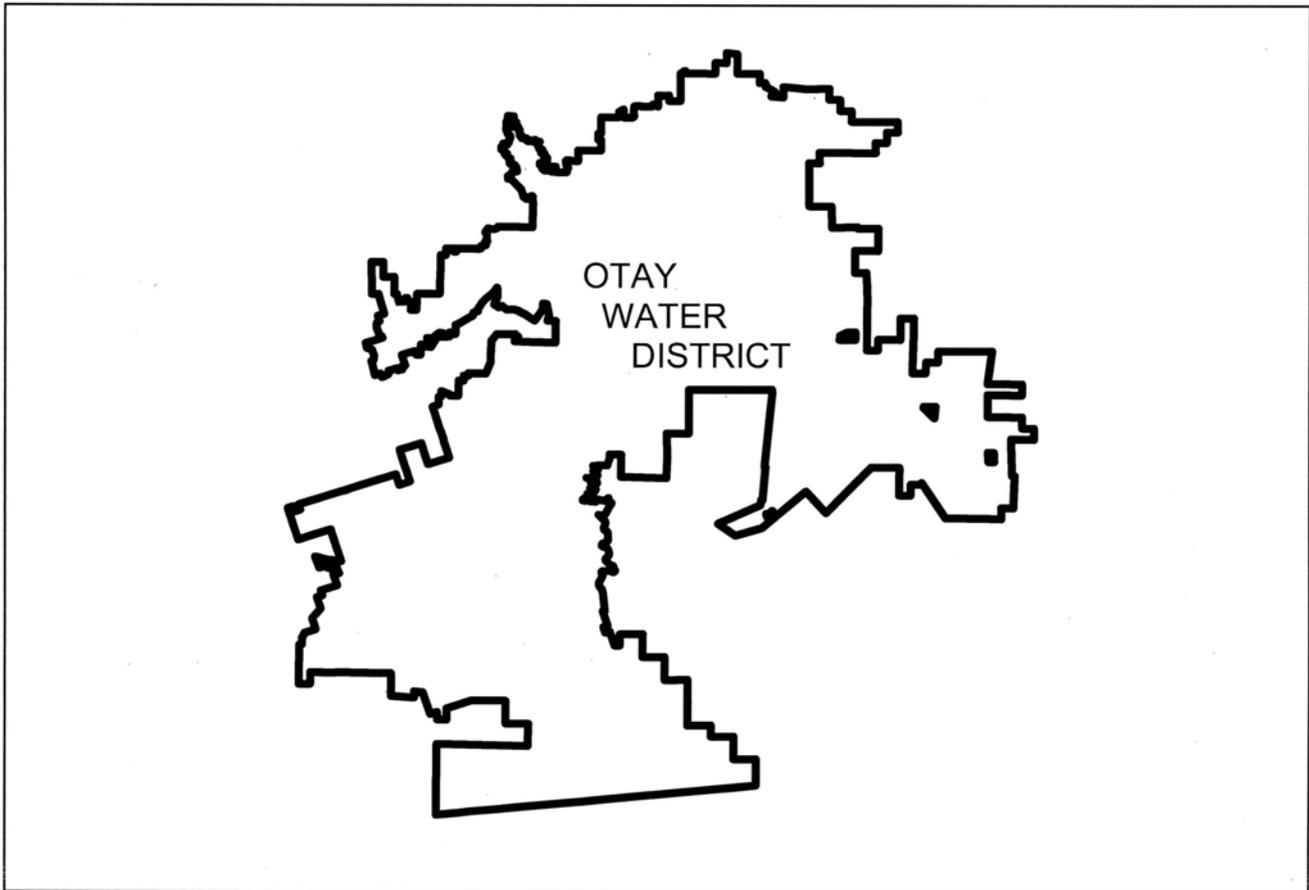
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2018	6/30/2020	\$200

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/16/2016

PROJECT TITLE: Enterprise Resource Planning (ERP) Replacement

CIP Number: P2572

PROJECT MANAGER: Michael Kerr

DIRECTOR DIVISION: 0

ORIGINAL APPROVED DATE: 7/1/2020

I.D. LOCATION: District Wide

RELATED CIP PROJECTS:

PRIORITY: 3

BUDGET AMOUNT: \$500,000

DESCRIPTION OF PROJECT:

This project is for the replacement of the Enterprise Resource Planning system.

JUSTIFICATION OF PROJECT:

Based on preliminary road maps from the current vendor, staff anticipates that the current ERP system, Eden, will become inflexible and constricted with new systems on the horizon. Staff is presently identifying key core business processes in achieving improvements in productivity and quality. Staff also anticipates that the outcome of the workshops will recognize that Eden will lack the necessary functionality, business agility, flexibility, and technology necessary for the District's overall growth.

COMMENTS:

Staff will start the discovery process in FY 2020 to identify possible alternatives for a new system. Given the history of the current solution, Eden, staff anticipates that FY 2021 will be appropriate for a replacement. In FY 2021, the District will have been utilizing Eden Financials for over 15 years. In the interim, staff will conduct research based on the District's current technology infrastructure for best fit for conversion of historical data, proper workflow and security, and templates for utility billing and invoicing.

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	2017	2018	2019	2020	2021	2022	Total
	\$0	\$0	\$0	\$0	\$250	\$250	\$500

CIP Number: P2572

PROJECT SCHEDULE:

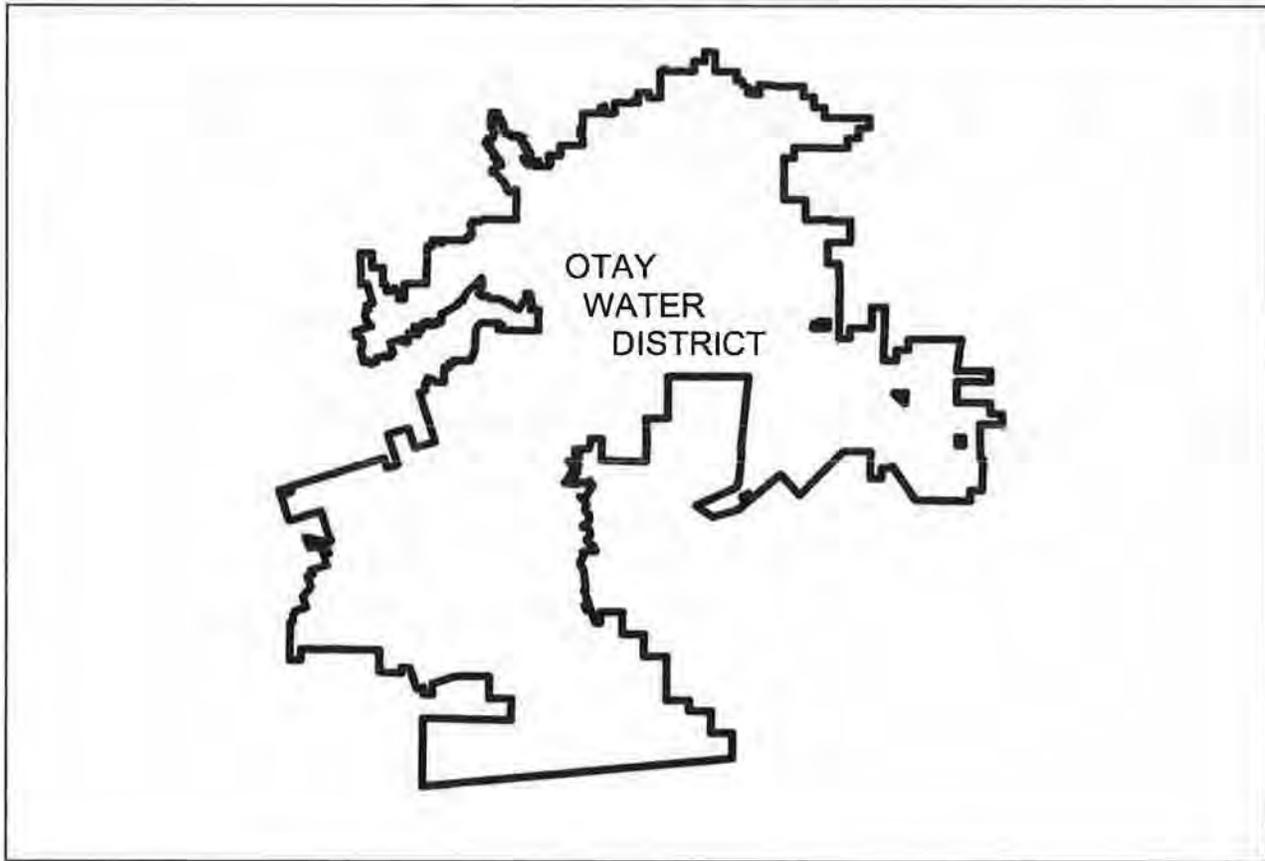
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2020	6/30/2022	\$500

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Steve Beppler

Date: 4/21/2016

PROJECT TITLE: Res - 657-1 and 657-2 Reservoir Demolitions

CIP Number: P2584

DIRECTOR DIVISION: 3

PROJECT MANAGER: Jeff Marchioro

I.D. LOCATION:

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$720,000

DESCRIPTION OF PROJECT:

This project is to incorporate the existing 657 Pressure Zone into the 640 Pressure Zone, abandon and demolish the two (2) 657 Reservoirs, and modify associated 657 Zone Pressure Reducing Stations.

JUSTIFICATION OF PROJECT:

Eliminating the existing 657 Pressure Zone will simplify operations, reduce operating cost, and improve reliability.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$0	\$0	\$0	\$0	\$70	\$650	\$720

CIP Number: P2584

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2020	12/31/2020	\$35
DESIGN:	1/1/2021	6/30/2021	\$35
CONSTRUCTION:	7/1/2021	6/30/2022	\$650

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: 303



Submitted By: Jolene Fielding

Date: 4/19/2016

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

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

DESCRIPTION OF PROJECT:

This project is for construction of approximately 9,300 feet of 24-inch pipeline within the 860 Pressure Zone in Alta Road from the Alta Gate location to Airway Road. Portions of this project are being built by developers through reimbursement agreements. The balance of this project will be constructed as part of the Otay Mesa recycled water system.

JUSTIFICATION OF PROJECT:

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

COMMENTS:

Temporary moratorium enacted for Otay Mesa recycled water in July 2014 will be revisited in near future. 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	2017	2018	2019	2020	2021	2022	Total
	\$2,812	\$20	\$0	\$0	\$0	\$0	\$2,852

CIP Number: R2077

PROJECT SCHEDULE:

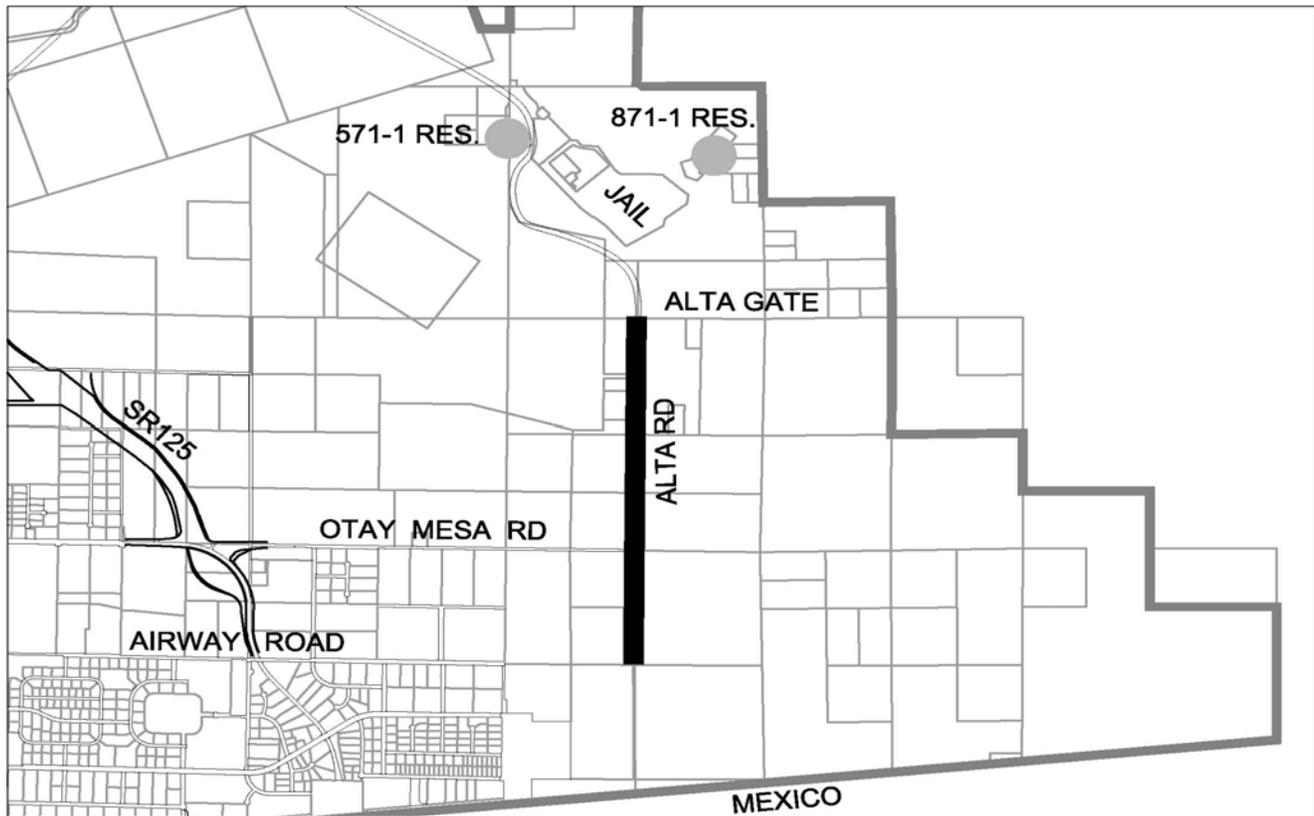
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2001	12/1/2009	\$164
DESIGN:	1/1/2010	6/30/2019	\$451
CONSTRUCTION:	7/1/2019	12/31/2024	\$3,885

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 39



Submitted By: Jolene Fielding

Date: 5/16/2016

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE:	RecPL - 6-Inch, 450 Zone, Otay Valley Road - Otay Valley/Entertainment	CIP Number: R2079					
PROJECT MANAGER:	Stephen Eepler	DIRECTOR DIVISION: 1					
ORIGINAL APPROVED DATE:		I.D. LOCATION:					
RELATED CIP PROJECTS:	R2028	PRIORITY: 2					
		BUDGET AMOUNT: \$150,000					
DESCRIPTION OF PROJECT:							
This project is to construct the pipeline across the river and the pressure reducing station to reduce the pressure from the 680 Pressure Zone to a new 450 Pressure Zone to serve the amphitheater and water park.							
JUSTIFICATION OF PROJECT:							
The City is replacing the Heritage Road Bridge south of Main Street. Village 3 will construct recycled water to the intersection of Heritage Road and Main Street.							
COMMENTS:							
The pipeline is estimated to cost \$450K and a pressure reducing station \$200K. Current CIP does not reflect this work; will be updated upon acceptance of new Master Plan.							
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	2017	2018	2019	2020	2021	2022	Total
\$0	\$10	\$10	\$10	\$10	\$110	\$0	\$150

CIP Number: R2079

PROJECT SCHEDULE:

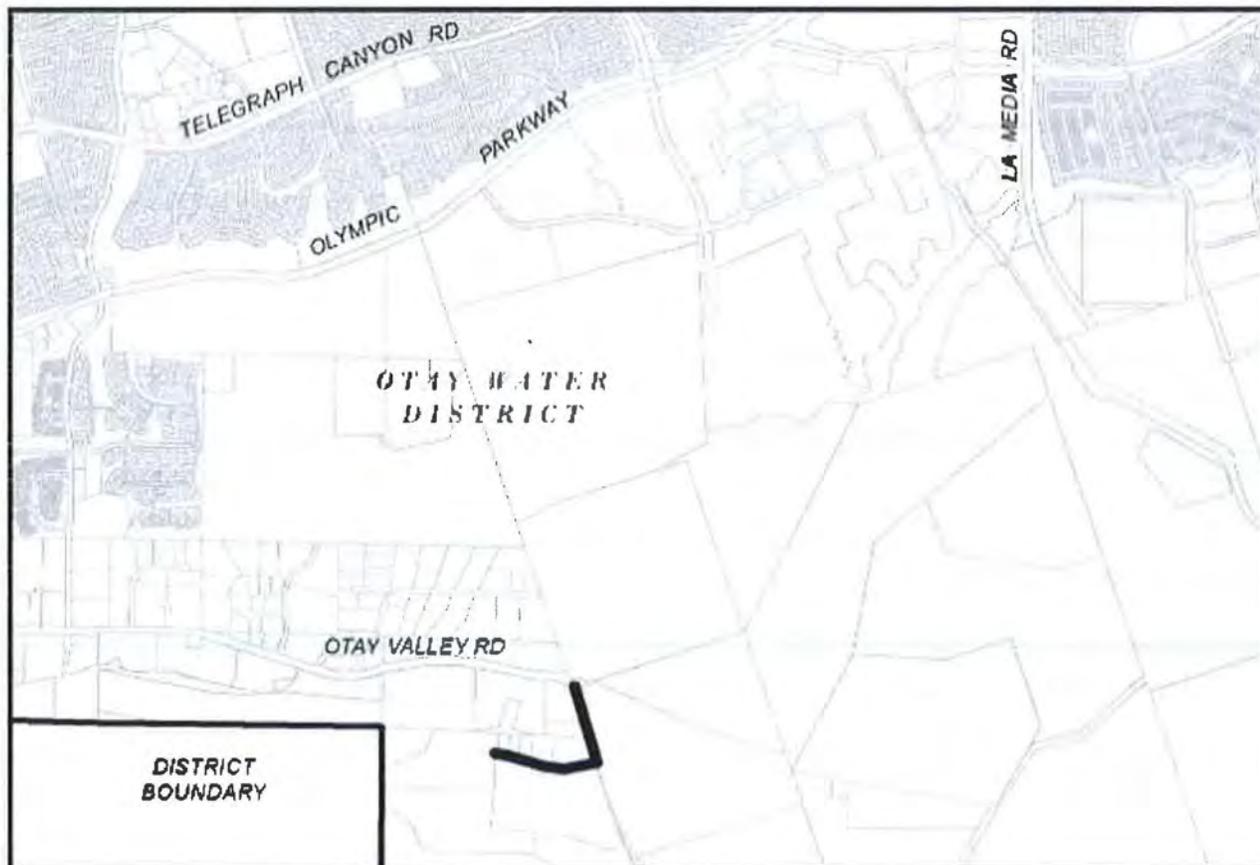
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2016	6/30/2017	\$10
DESIGN:	7/1/2017	12/31/2018	\$20
CONSTRUCTION:	1/1/2019	6/30/2021	\$120

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: 51



Submitted By: Jolene Fielding

Date: 5/16/2016

PROJECT TITLE: Sweetwater River Wooden Trestle Improvement for the Recycled Water Forcemain

CIP Number: R2109

DIRECTOR DIVISION: 3

PROJECT MANAGER: Stephen Beppler

I.D. LOCATION: 22/27

ORIGINAL APPROVED DATE: 5/14/2014

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$375,000

DESCRIPTION OF PROJECT:

This project is for the 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:

Fire protective measures installed in FY 2016. Warranty work in FY 2017. Project can be closed out at end of FY 2017. Project budget reduced to \$360K from \$600K to reflect the remaining work to be completed.

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	2017	2018	2019	2020	2021	2022	Total
	\$360	\$10	\$5	\$0	\$0	\$0	\$375

CIP Number: R2109

PROJECT SCHEDULE:

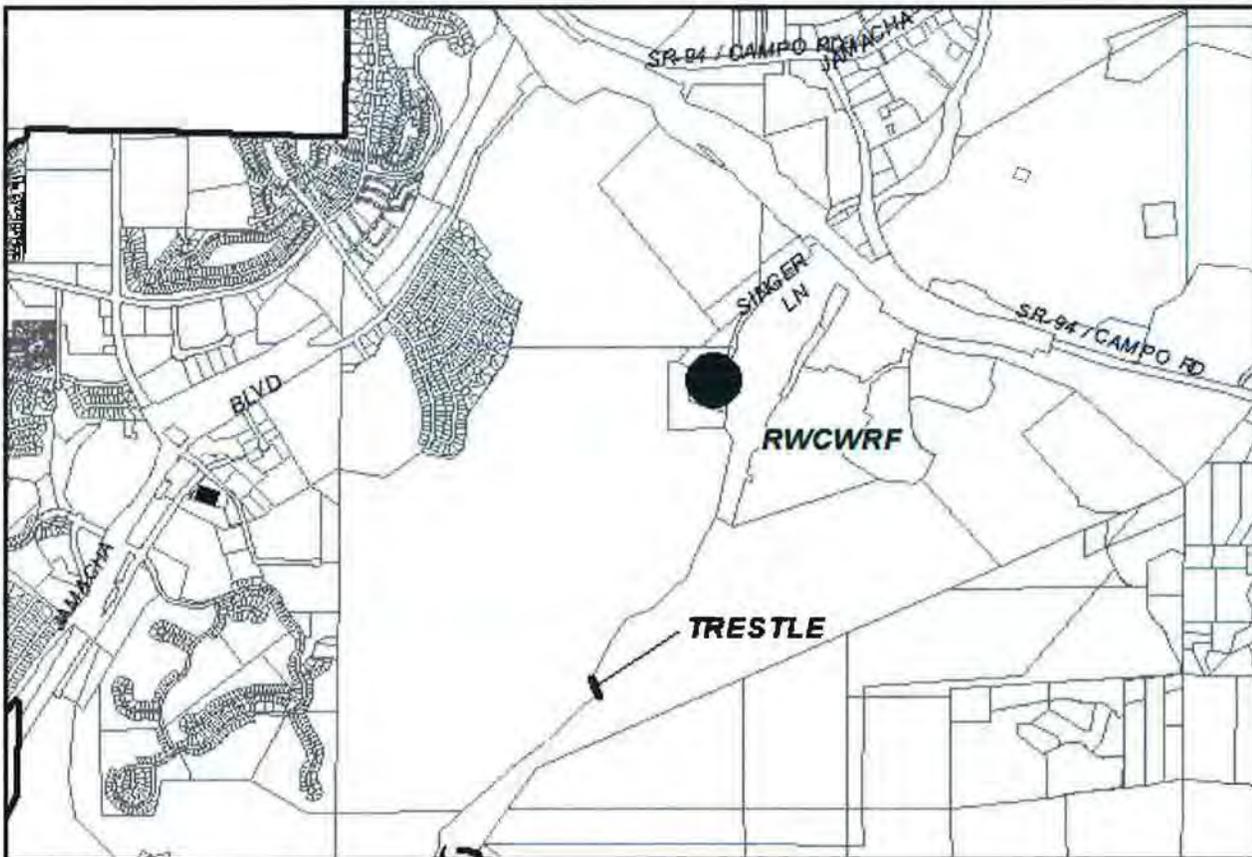
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	6/30/2014	12/31/2014	\$45
DESIGN:	1/1/2015	8/31/2015	\$100
CONSTRUCTION:	9/1/2015	6/30/2018	\$230

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Steve Beppler

Date: 4/21/2016

PROJECT TITLE: RecPS - 944-1 Optimization and Pressure Zone Modifications

CIP Number: R2110

PROJECT MANAGER: Jeff Marchioro
ORIGINAL APPROVED DATE:
RELATED CIP PROJECTS: R2091

DIRECTOR DIVISION: 1
I.D. LOCATION: 22
PRIORITY: 1
BUDGET AMOUNT: \$200,000

DESCRIPTION OF PROJECT:

This project is to improve the control strategy to increase pumping capacity and streamline operation of the pump station. As a result of this effort, replacement of 5 service saddles on Clubhouse Drive will need to be replaced with higher pressure class saddles. Add sump pump to an existing pressure reducing station vault located east of the intersection of Otay Lakes Road and Hunte Parkway.

JUSTIFICATION OF PROJECT:

Revising the control strategy will increase pumping capacity and improve the District's ability to operate the pump station during off-peak hours when electricity rates are low. Retrofitting the PRS vault with a sump pump will prolong the life expectancy of existing pressure reducing station components.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$128	\$5	\$67	\$0	\$0	\$0	\$200

CIP Number: R2110

PROJECT SCHEDULE:

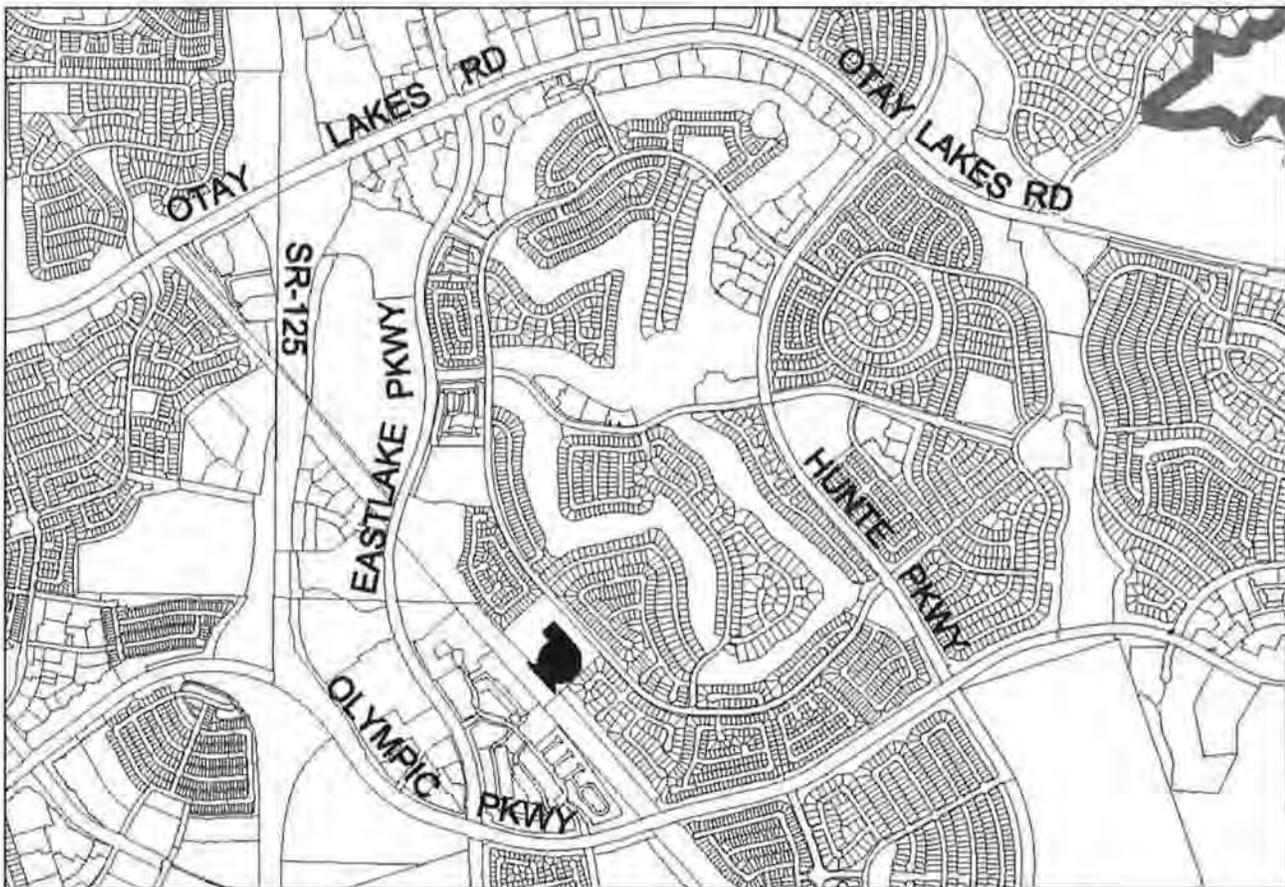
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2013	10/1/2013	\$60
DESIGN:	10/1/2013	9/30/2015	\$25
CONSTRUCTION:	9/30/2015	6/30/2018	\$115

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Jolene Fielding

Date: 4/15/2016

PROJECT TITLE: RecPL - 14-Inch, 927 Zone, Force Main Improvements

CIP Number: R2116

PROJECT MANAGER: Jeff Marchioro

DIRECTOR DIVISION: 3

ORIGINAL APPROVED DATE:

I.D. LOCATION: 22

RELATED CIP PROJECTS:

PRIORITY: 1

BUDGET AMOUNT: \$2,500,000

DESCRIPTION OF PROJECT:

This project is for the repair of the existing 16,000 L.F. 14-Inch force main, built in 1978, and the replacement of fifteen (15) blow-offs.

JUSTIFICATION OF PROJECT:

Active leaks and significant localized corrosion have been spot repaired. Additional spot repairs and replacement of the existing blow-offs are needed to extend the remaining useful life of the facility.

COMMENTS:

Overall budget increased for future spot repairs to be identified/quantified November 2016.

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$590	\$1,000	\$900	\$10	\$0	\$0	\$2,500

CIP Number: R2116

PROJECT SCHEDULE:

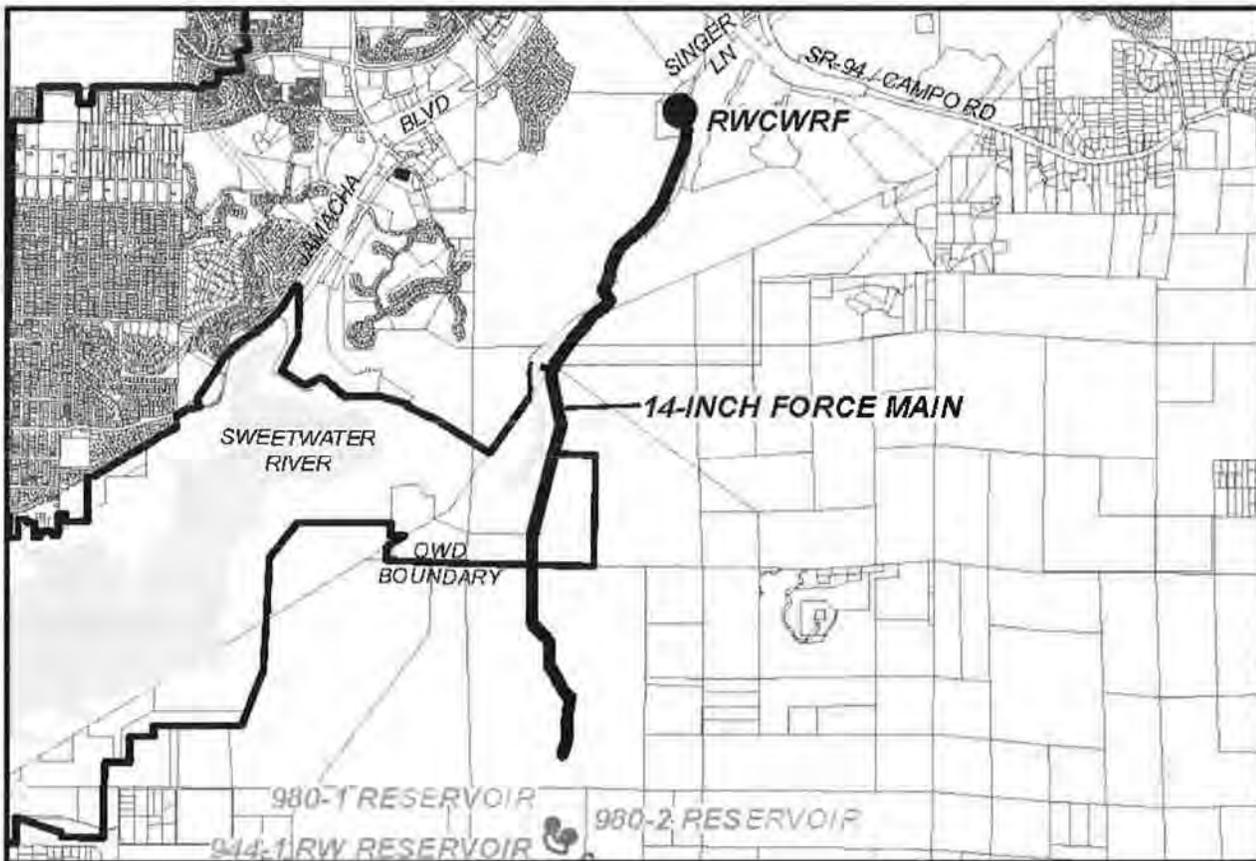
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2014	3/31/2017	\$500
DESIGN:	1/1/2015	6/30/2017	\$200
CONSTRUCTION:	1/1/2015	6/30/2019	\$1,800

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Steve Beppler

Date: 4/21/2016

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

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

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

Improvement options include changing to UV disinfection in addition to increasing contact time at the plant. Preliminary assessments indicate staying with chlorine gas disinfection is the most cost effective alternative. Prior to starting design of an expanded contact tank, the results of the force main assessment will be determined to understand the impacts of the chlorine gas on it.

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	2017	2018	2019	2020	2021	2022	Total	
	\$110	\$10	\$50	\$50	\$150	\$1,000	\$150	\$1,520

CIP Number: R2117

PROJECT SCHEDULE:

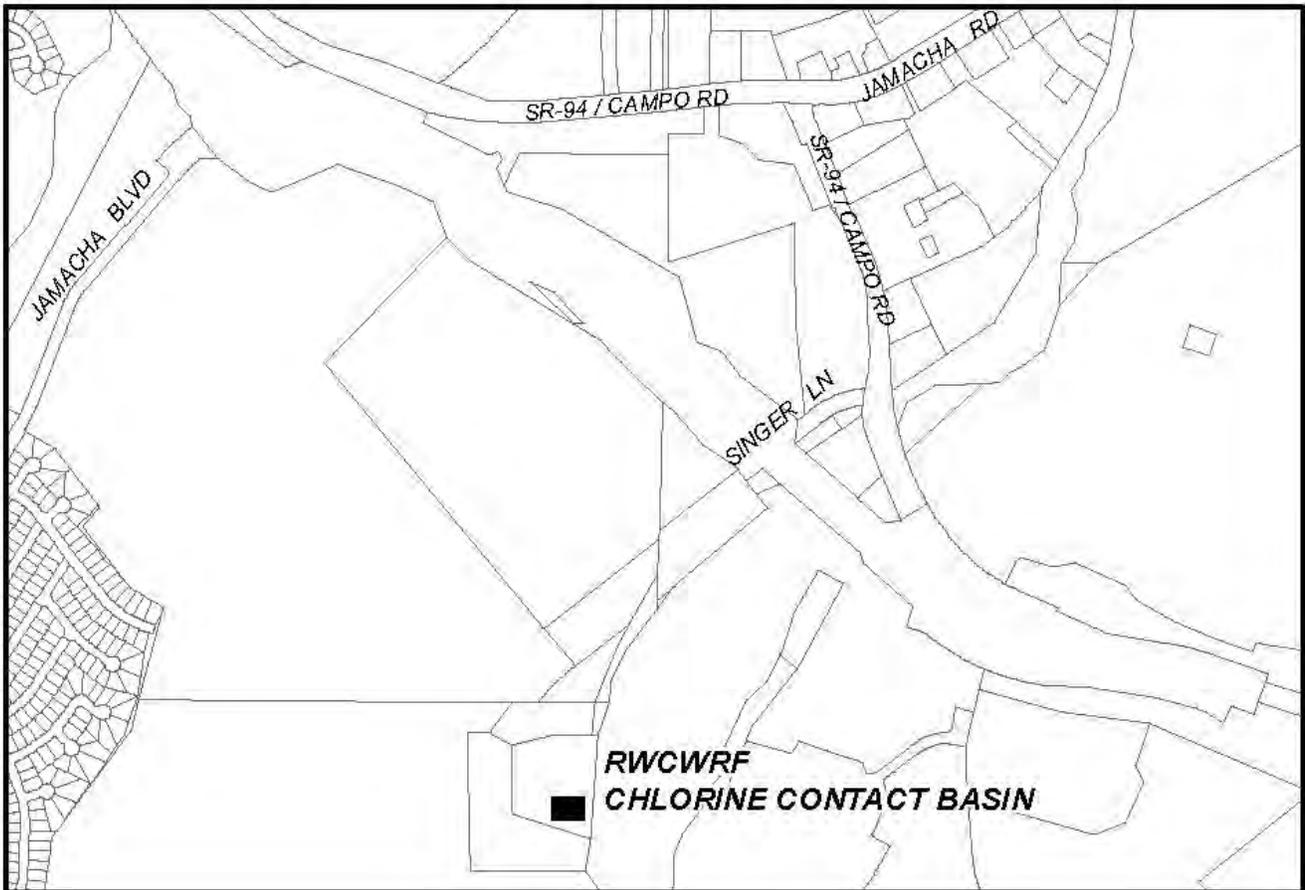
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	12/31/2015	\$100
DESIGN:	1/1/2016	3/31/2020	\$250
CONSTRUCTION:	4/1/2020	12/31/2023	\$2,150

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 319



Submitted By: Jolene Fielding

Date: 5/16/2016

PROJECT TITLE: Steele Canyon Sewer PS Large Solids Handling Improvements

CIP Number: R2118

DIRECTOR DIVISION: 3

PROJECT MANAGER: Stephen Beppler

I.D. LOCATION: 18

ORIGINAL APPROVED DATE:

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$75,000

DESCRIPTION OF PROJECT:

This project is for installation of measures in the Steele Bridge Sewer Pump Station wet well to protect the sewage pumps from assorted debris. The existing pumps have been requiring a high frequency of repairs and replacement of parts due to rags, construction materials, and other non-typical wastewater solids entering the pump station. Assessment of installing either a new chopper pump or bar screen to handle these types of materials is needed.

JUSTIFICATION OF PROJECT:

The prevention of large debris from reaching the existing pumps will result in reduced maintenance repairs and extend the life of the sewage pumps. Based upon the current frequency and cost of maintenance of the sewage pumps, the proposed improvement should pay for itself within a few years. Improvements may trigger safety upgrades to also be included.

COMMENTS:

Planning and design to begin in FY 2016 with construction in FY 2017.

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$7	\$68	\$0	\$0	\$0	\$0	\$75

CIP Number: R2118

PROJECT SCHEDULE:

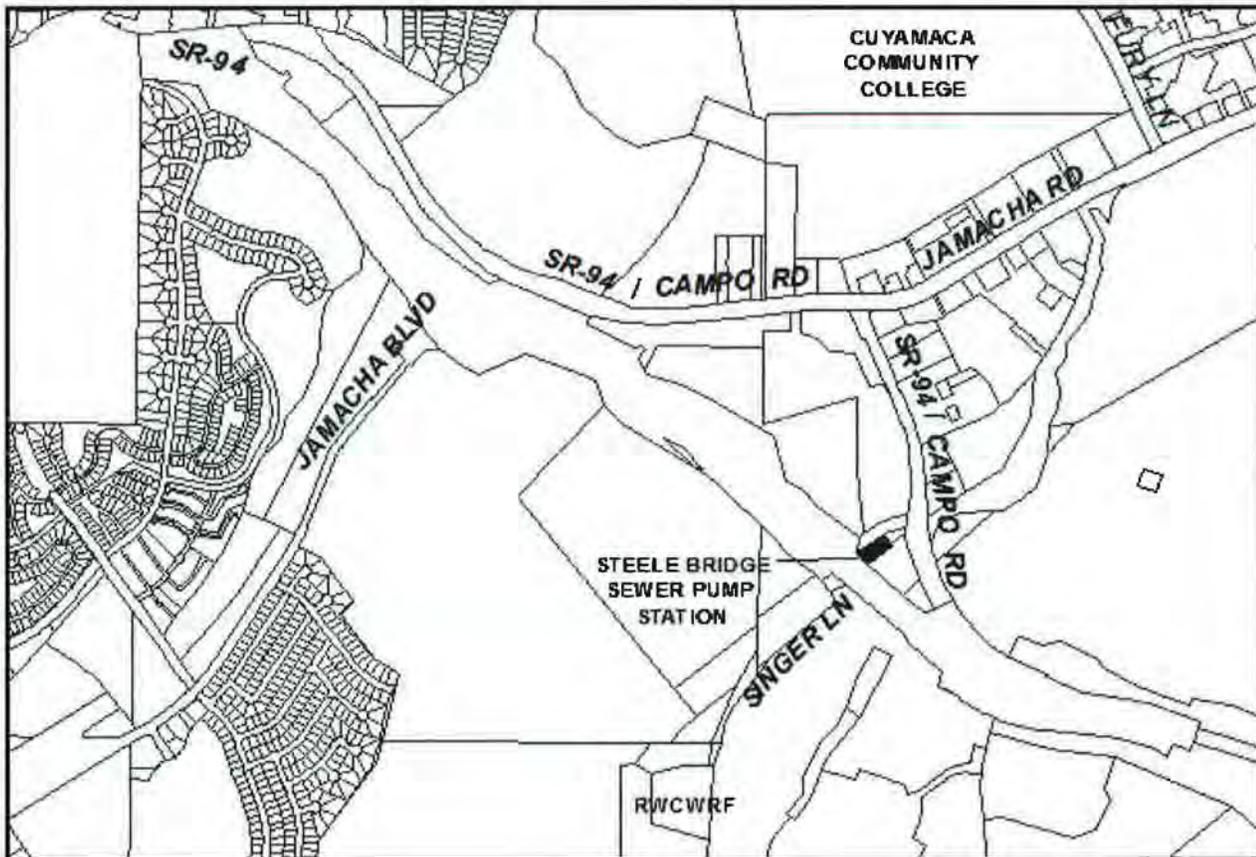
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	7/31/2015	\$2
DESIGN:	8/3/2015	9/30/2015	\$18
CONSTRUCTION:	10/1/2015	2/29/2016	\$55

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 331



Submitted By: Jolene Fielding

Date: 4/15/2016

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE: RWCWRF Automation & Security Upgrades	CIP Number: R2119
PROJECT MANAGER: Stephen Beppler	DIRECTOR DIVISION: 3
ORIGINAL APPROVED DATE:	I.D. LOCATION: 22
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$300,000

DESCRIPTION OF PROJECT:

This project will identify and implement automation improvements at the Ralph W. Chapman Water Reclamation Facility (RWCWRF) to decrease operations staffing requirements and enhance the plant security features. Prepare master plan of upgrades required for implementation.

JUSTIFICATION OF PROJECT:

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

COMMENTS:

Budget increased from \$200K to \$300K to reflect preparation of overall Treatment Plant Master Plan under this CIP.

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	2017	2018	2019	2020	2021	2022	Total
	\$25	\$95	\$50	\$130	\$0	\$0	\$300

CIP Number: R2119

PROJECT SCHEDULE:

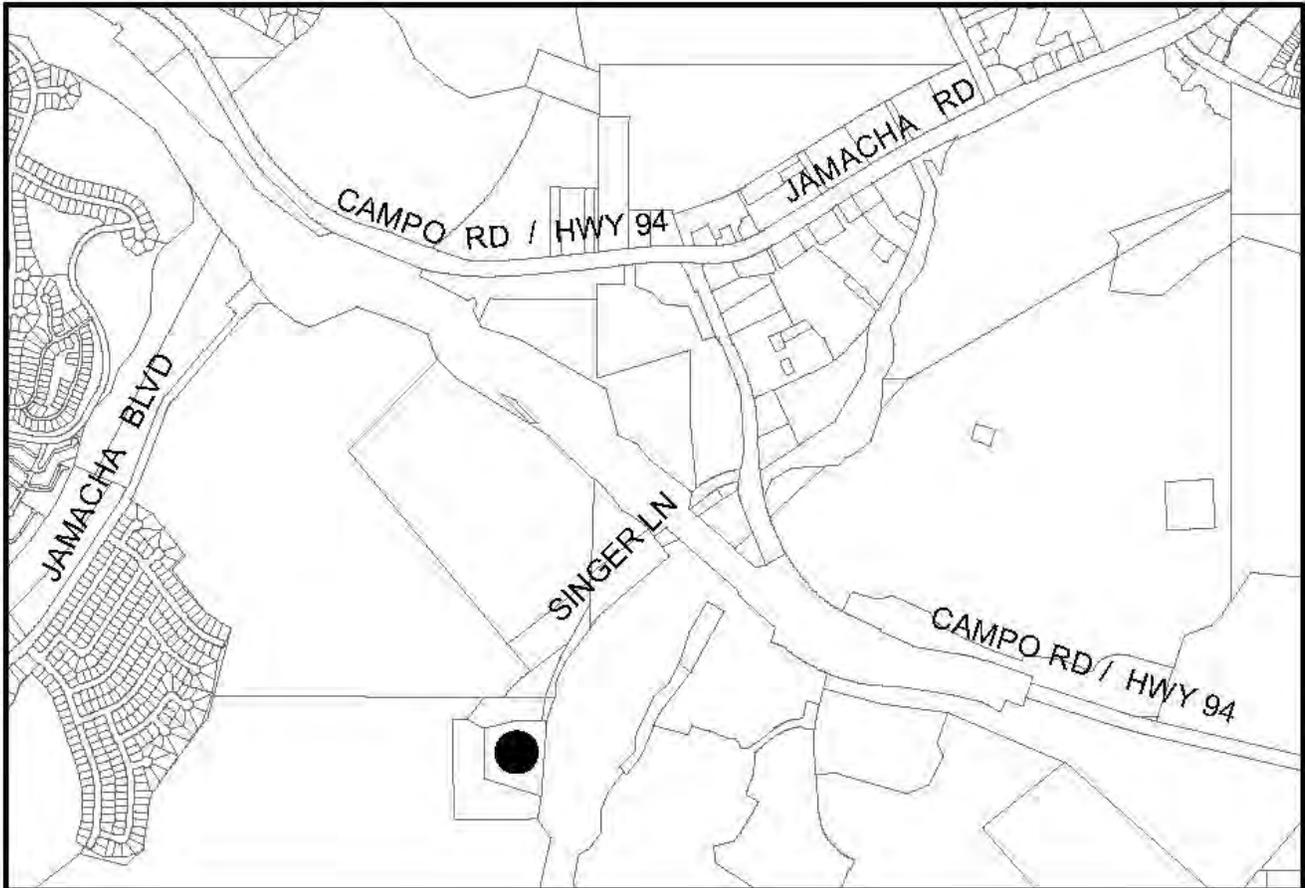
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	9/30/2016	\$120
DESIGN:	10/1/2016	6/30/2017	\$50
CONSTRUCTION:	7/1/2017	6/30/2019	\$130

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 319



Submitted By: Jolene Fielding

Date: 5/16/2016

PROJECT TITLE: RWCWRF Filtered Water Storage Tank Improvements

CIP Number: R2120

PROJECT MANAGER: Stephen Beppler

DIRECTOR DIVISION: 3

ORIGINAL APPROVED DATE:

I.D. LOCATION: 22

RELATED CIP PROJECTS: R2096

PRIORITY: 2

BUDGET AMOUNT: \$500,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$5	\$250	\$245	\$0	\$0	\$0	\$500

CIP Number: R2120

PROJECT SCHEDULE:

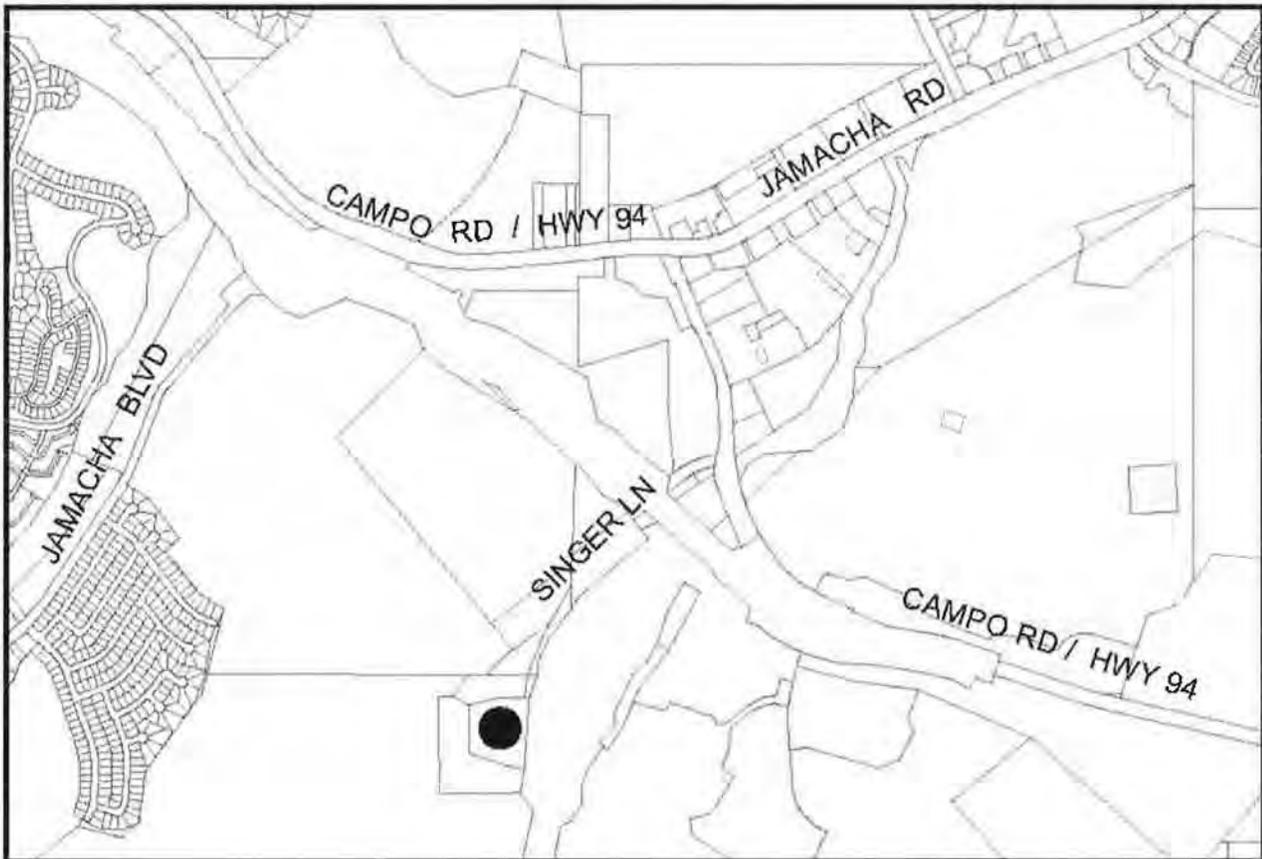
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	2/1/2016	\$10
DESIGN:	2/2/2016	1/5/2017	\$40
CONSTRUCTION:	1/8/2017	6/30/2018	\$450

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Steve Beppler

Date: 4/21/2016

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

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

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$60	\$15	\$0	\$0	\$0	\$0	\$75

CIP Number: R2122

PROJECT SCHEDULE:

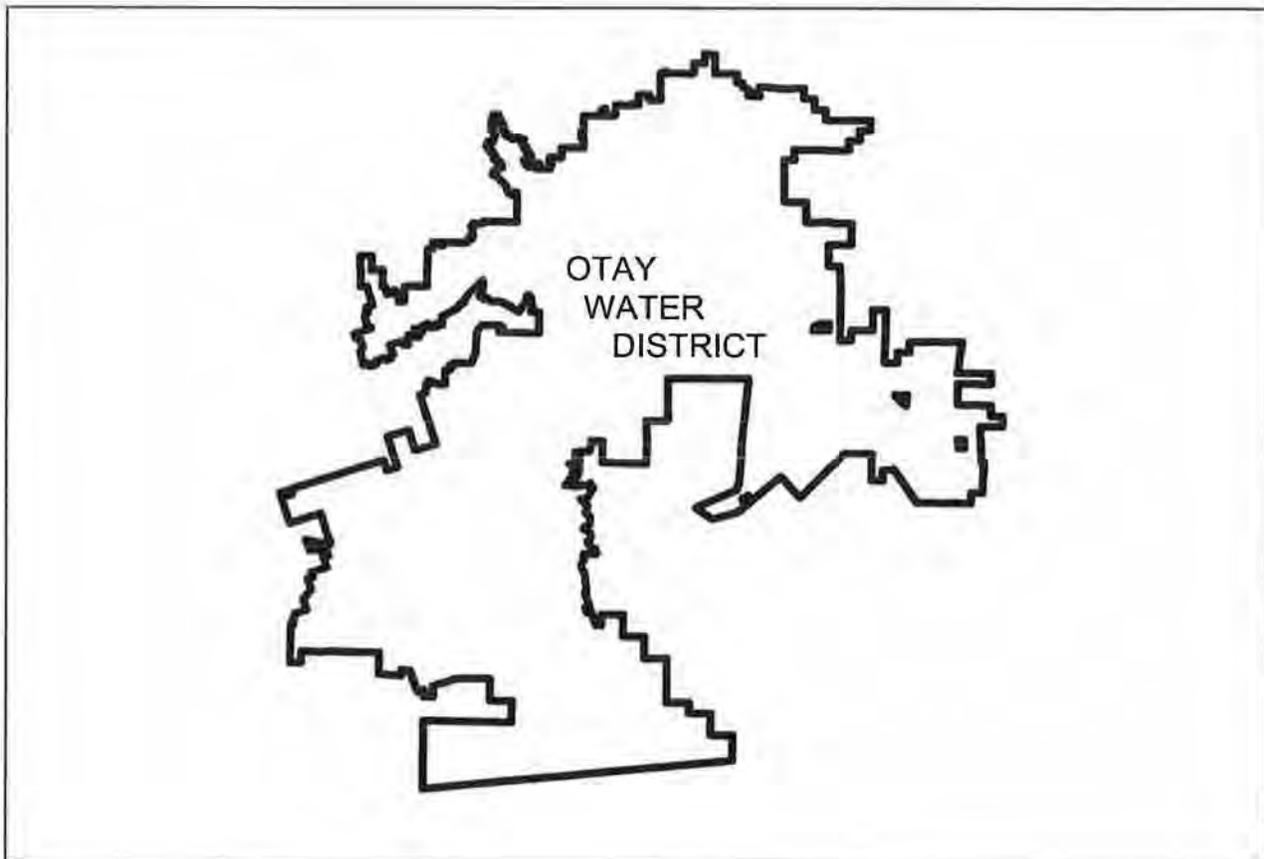
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	9/30/2015	\$15
DESIGN:	10/1/2015	3/31/2016	\$15
CONSTRUCTION:	4/1/2016	6/30/2017	\$45

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Steve Beppler

Date: 4/21/2016

PROJECT TITLE: Repurpose Otay Mesa Recycled Water Lines

CIP Number: R2123

DIRECTOR DIVISION: 2

PROJECT MANAGER: Stephen Beppler

I.D. LOCATION:

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$350,000

DESCRIPTION OF PROJECT:

This project will access the alternative use potential for the Otay Mesa recycled waterlines utilizing hydraulic modeling.

JUSTIFICATION OF PROJECT:

Determining alternative uses for these waterlines will allow for these assets to be used rather than lie dormant.

With the moratorium on extending recycled water to Otay Mesa, the recycled waterlines already installed throughout the area will be evaluated for potential uses.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$0	\$35	\$5	\$5	\$5	\$150	\$150
							\$350

CIP Number: R2123

PROJECT SCHEDULE:

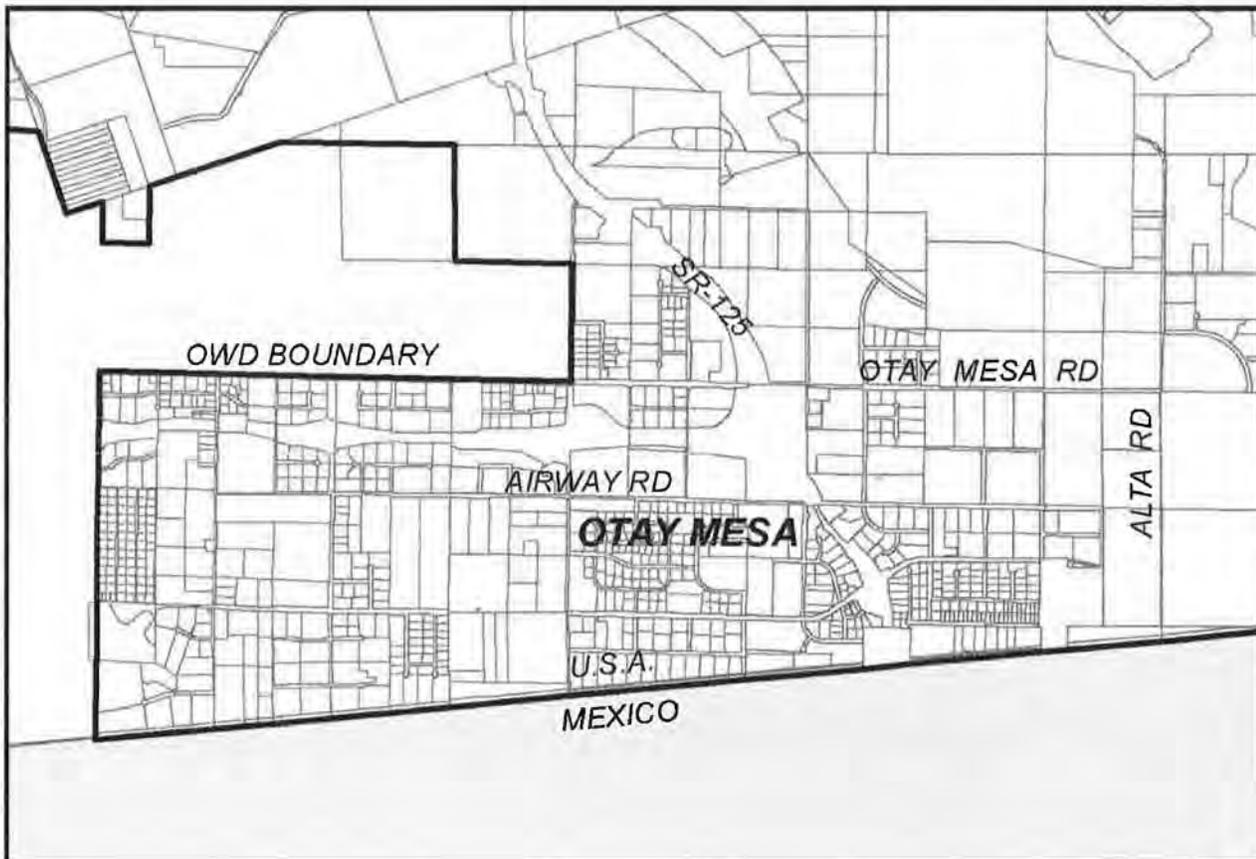
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2016	6/30/2017	\$35
DESIGN:			\$0
CONSTRUCTION:	7/1/2017	6/30/2022	\$315

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 4/19/2016

PROJECT TITLE: RecPS - 927-1 Pump 5 Replacement

CIP Number: R2124

PROJECT MANAGER: Don Anderson

DIRECTOR DIVISION: 3

ORIGINAL APPROVED DATE:

I.D. LOCATION:

RELATED CIP PROJECTS:

PRIORITY: 1

BUDGET AMOUNT: \$55,000

DESCRIPTION OF PROJECT:

This project is to replace the large engine driven recycled water pump #5 at the Ralph W Chapman Water Recycling Facility (RWCWRF) 927-1 Pump Station.

JUSTIFICATION OF PROJECT:

Existing pump is old and corroded and has 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						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$0 \$55	\$0	\$0	\$0	\$0	\$0	\$55

CIP Number: R2124

PROJECT SCHEDULE:

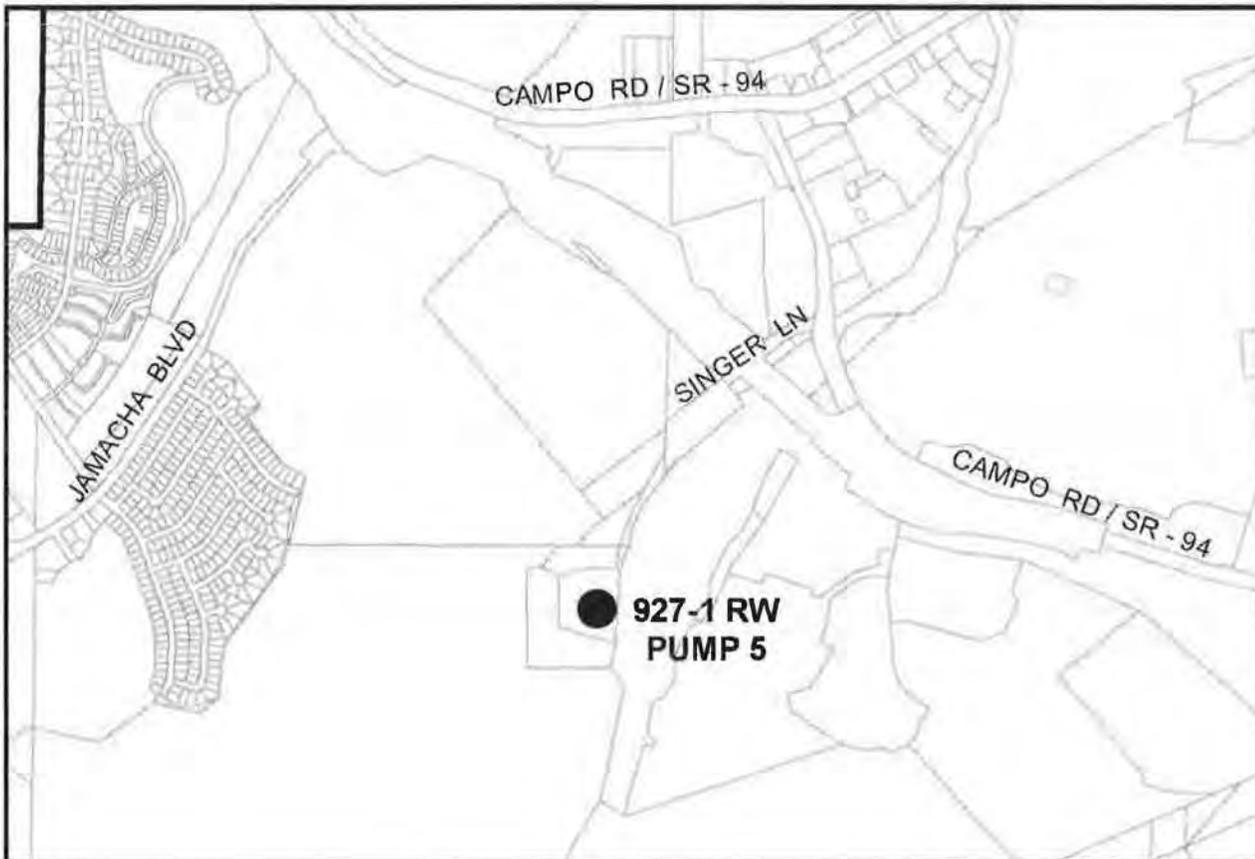
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2016	6/30/2017	\$55

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 319



Submitted By: Jolene Fielding

Date: 4/19/2016

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

CIP Number: S2012

PROJECT MANAGER: Stephen Beppler

DIRECTOR DIVISION: 3

ORIGINAL APPROVED DATE: 6/4/2003

I.D. LOCATION: 18

RELATED CIP PROJECTS:

PRIORITY: 1

BUDGET AMOUNT: \$3,550,000

DESCRIPTION OF PROJECT:

This project is 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	2017	2018	2019	2020	2021	2022	Total	
	\$1,020	\$150	\$150	\$200	\$250	\$300	\$350	\$2,420

CIP Number: S2012

PROJECT SCHEDULE:

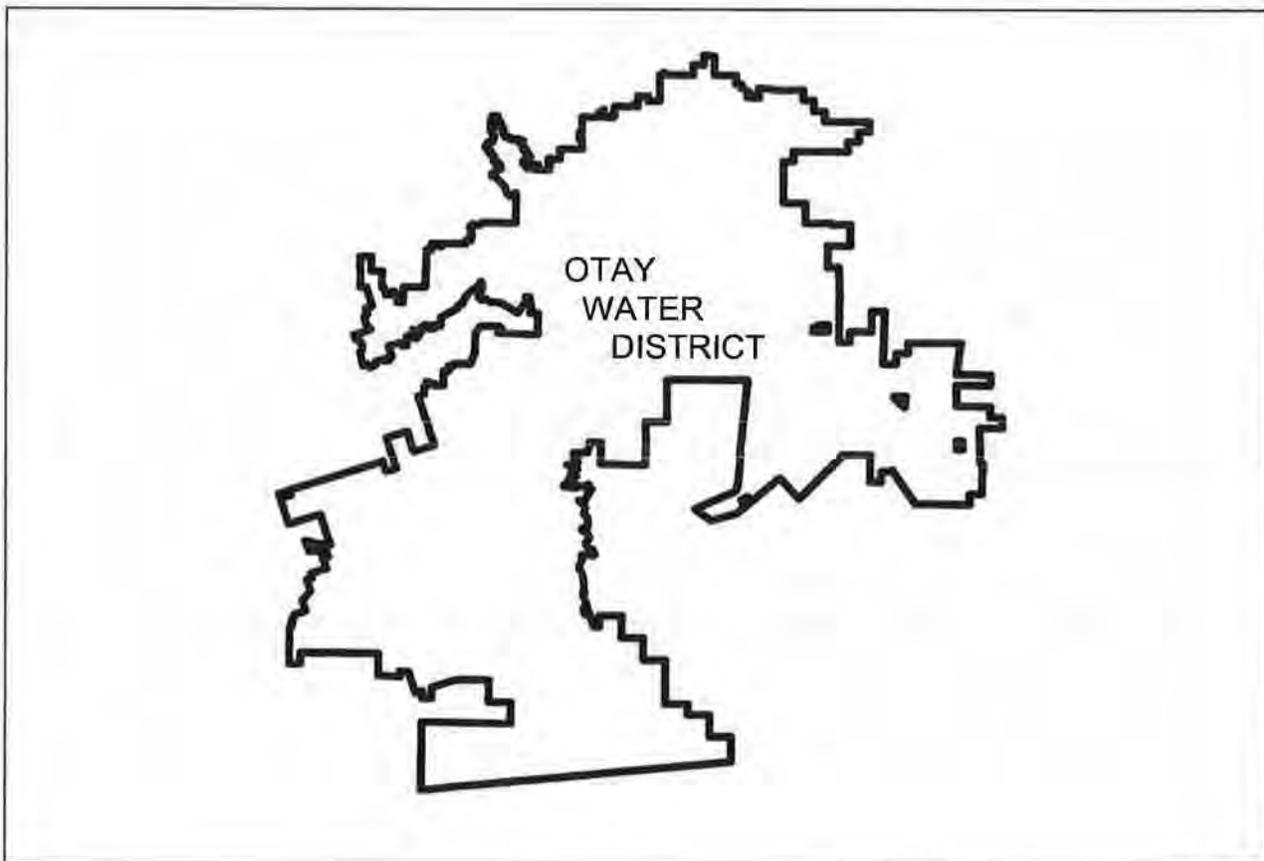
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2003	6/30/2025	\$3,550

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 4/15/2016

PROJECT TITLE: Rancho San Diego Pump Station Rehabilitation

CIP Number: S2027

DIRECTOR DIVISION: 3

PROJECT MANAGER: Stephen Beppler

I.D. LOCATION: 18

ORIGINAL APPROVED DATE: 5/16/2011

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$3,500,000

DESCRIPTION OF PROJECT:

This project provides funding for the rehabilitation of the Rancho San Diego Pump Station located near Singer Lane. The project is being designed and constructed by the County of San Diego, with the District sharing the costs. The County invoices the District once a year.

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:

Project design is complete and the County is in the process of receiving construction bids.

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	2017	2018	2019	2020	2021	2022	Total	
	\$267	\$50	\$1,200	\$1,200	\$783	\$0	\$0	\$3,500

CIP Number: S2027

PROJECT SCHEDULE:

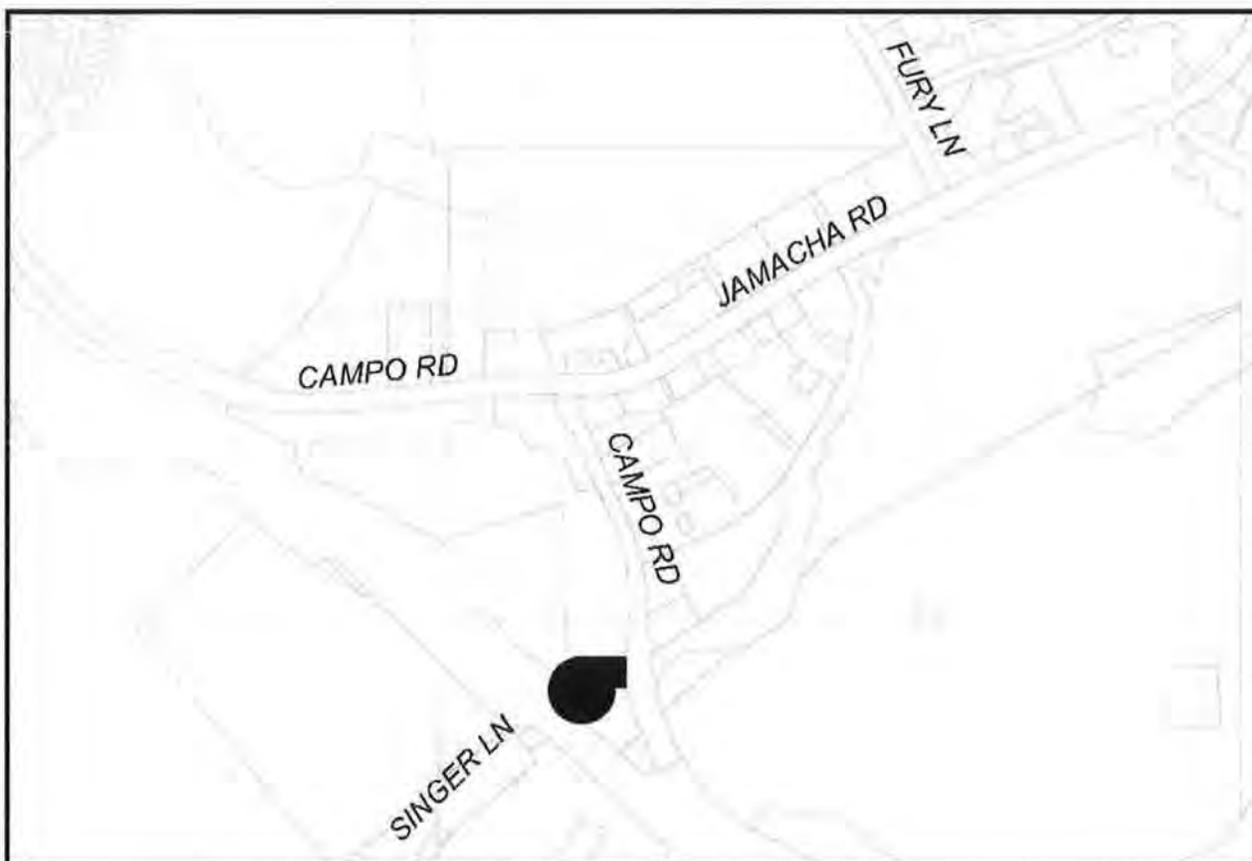
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2011	7/1/2013	\$50
DESIGN:	7/1/2013	9/30/2016	\$500
CONSTRUCTION:	10/1/2016	6/30/2019	\$2,950

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: 4/28/2016

PROJECT TITLE: Sewer System Rehabilitation

CIP Number: S2033

PROJECT MANAGER: Stephen Beppler

DIRECTOR DIVISION: 5

ORIGINAL APPROVED DATE: 5/16/2011

I.D. LOCATION: 18

RELATED CIP PROJECTS:

PRIORITY: 1

BUDGET AMOUNT: \$3,000,000

DESCRIPTION OF PROJECT:

This project is 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 in need of repair.

COMMENTS:

Project to be phased out after FY 2017, with remaining work split into separate projects with clearly defined scopes of work and budgets. Construction of the Rancho San Diego (RSD) Basin Phase 1 project will remain under this project. Budget reduced from \$6M to \$3M to reflect this change.

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$2,800	\$200	\$0	\$0	\$0	\$0	\$3,000

CIP Number: S2033

PROJECT SCHEDULE:

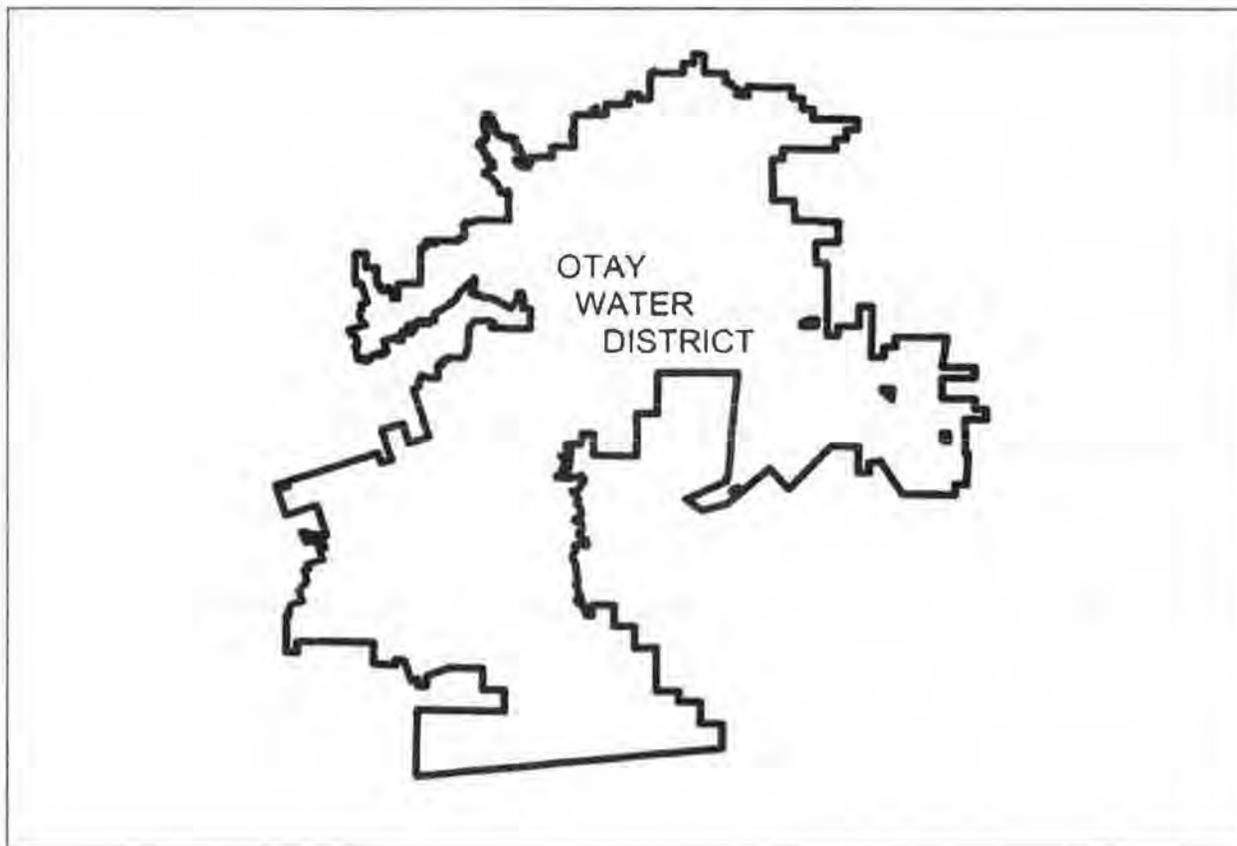
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2011	1/1/2016	\$225
DESIGN:	3/1/2013	1/1/2017	\$775
CONSTRUCTION:	6/30/2014	6/30/2021	\$2,000

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/10/2016

PROJECT TITLE: RWCWRF Sludge Handling System

CIP Number: S2043

PROJECT MANAGER: Stephen Beppler

DIRECTOR DIVISION: 3

ORIGINAL APPROVED DATE: 5/14/2013

I.D. LOCATION: 18

RELATED CIP PROJECTS: R2096

PRIORITY: 3

BUDGET AMOUNT: \$1,500,000

DESCRIPTION OF PROJECT:

This project is for a Sludge Handling System at the Ralph W. Chapman Water Recycling Facility (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:

City of San Diego is in the process of determining future sewer rates related to the implementation of the Pure Water Program. Once these rates are established, the feasibility of handling solids at the RWCWRF can be fully assessed.

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$41	\$1	\$1	\$1	\$1	\$1	\$47

CIP Number: S2043

PROJECT SCHEDULE:

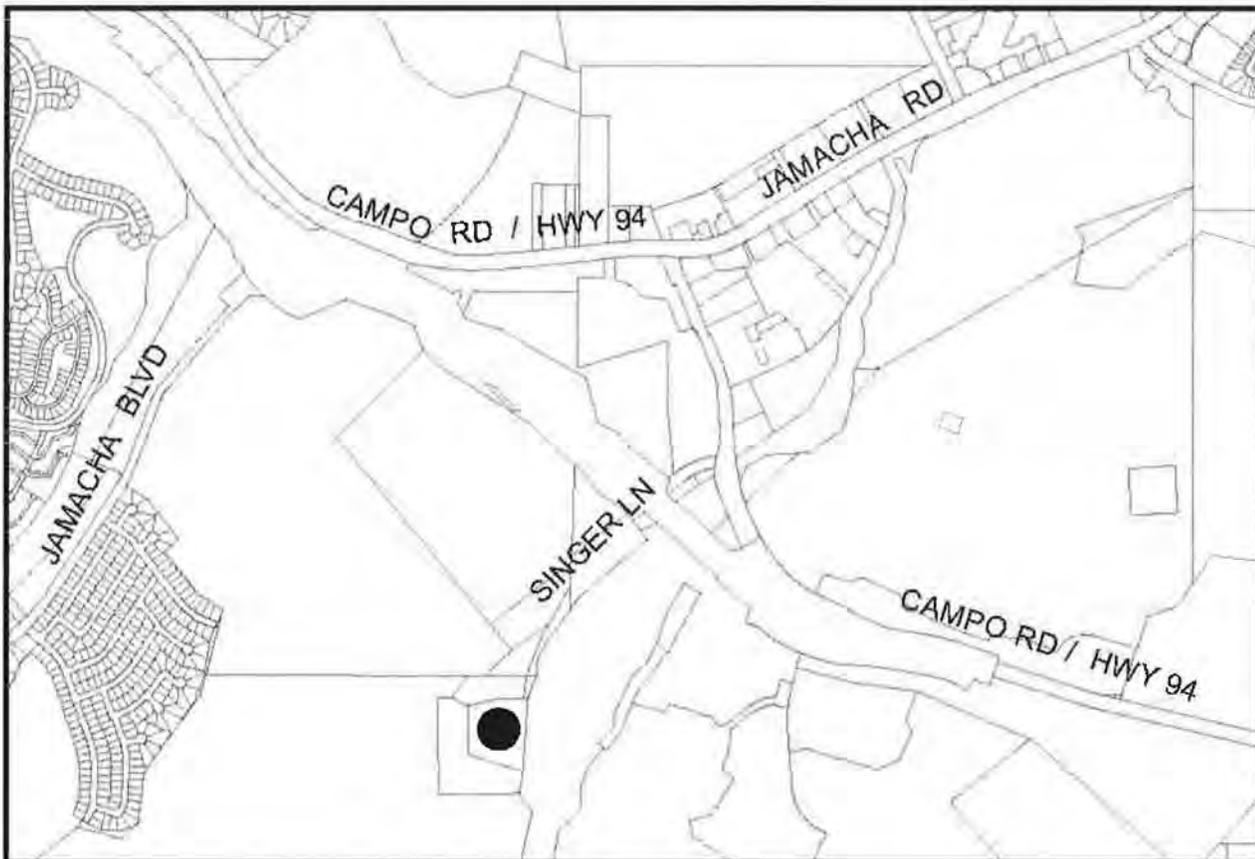
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2013	6/30/2023	\$75
DESIGN:	7/1/2023	6/30/2024	\$200
CONSTRUCTION:	7/1/2024	6/30/2026	\$1,225

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$10,000	\$10,000	\$20,000
ENERGY:	\$0	\$0	\$0	\$0	\$10,000	\$10,000	\$20,000
CHEMICAL:	\$0	\$0	\$0	\$0	\$10,000	\$10,000	\$20,000

PROJECT LOCATION:

OWD Map Book: 319



Submitted By: Bob Kennedy

Date: 5/12/2016

PROJECT TITLE: Asset Management - Info Master Sewer Implementation

CIP Number: S2047

PROJECT MANAGER: Ming Zhao

DIRECTOR DIVISION: 5

ORIGINAL APPROVED DATE:

I.D. LOCATION:

RELATED CIP PROJECTS:

PRIORITY: 2

BUDGET AMOUNT: \$58,000

DESCRIPTION OF PROJECT:

This project is for the purchase and implementation of sewer asset management decision making software, Info Master Sewer.

JUSTIFICATION OF PROJECT:

Allows for asset management of sewer system.

COMMENTS:

This was originally part of the P2486 Asset Management CIP. As this portion is for sewer, a separate CIP was created to reflect the different funding resource. The overall CIP amount does not change.

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$0	\$0	\$30	\$28	\$0	\$0	\$58

CIP Number: S2047

PROJECT SCHEDULE:

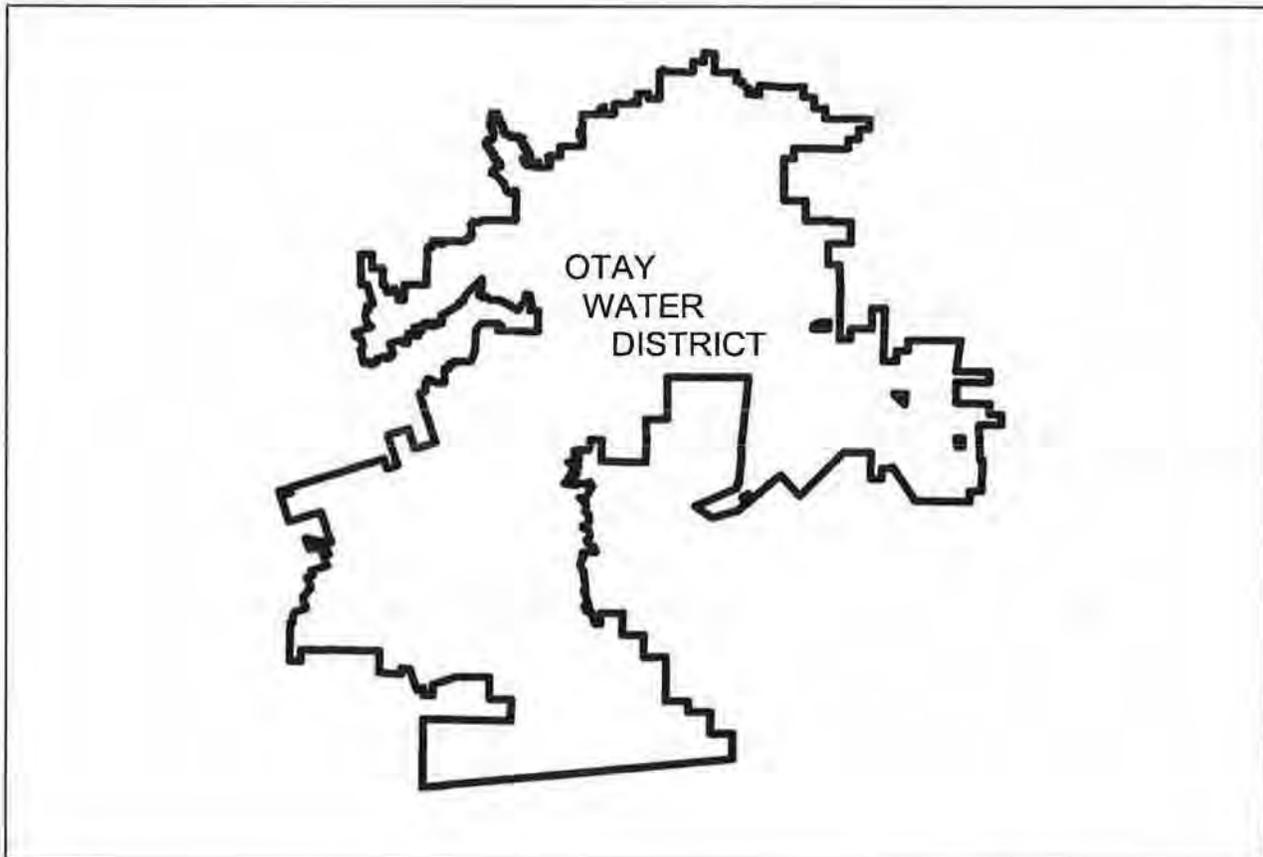
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2017	6/30/2019	\$58
DESIGN:			\$0
CONSTRUCTION:			\$0

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 4/19/2016

PROJECT TITLE: PS - 870-2 Pump Station Replacement

CIP Number: P2083

PROJECT MANAGER: Jeff Marchioro

DIRECTOR DIVISION: 2

ORIGINAL APPROVED DATE: 5/17/1995

I.D. LOCATION: 22

RELATED CIP PROJECTS: P2451

PRIORITY: 1

BUDGET AMOUNT: \$17,000,000

DESCRIPTION OF PROJECT:

This project is for the 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:

Increased overall CIP budget since adding a new 66-inch reservoir outlet pipe (+\$800K), access road utility bench (+\$200K), and District staff cursory refinements to outdated Carollo 60% construction cost estimate (+\$1M).

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	2017	2018	2019	2020	2021	2022	Total	
	\$1,710	\$390	\$3,500	\$10,800	\$500	\$50	\$50	\$17,000

CIP Number: P2083

PROJECT SCHEDULE:

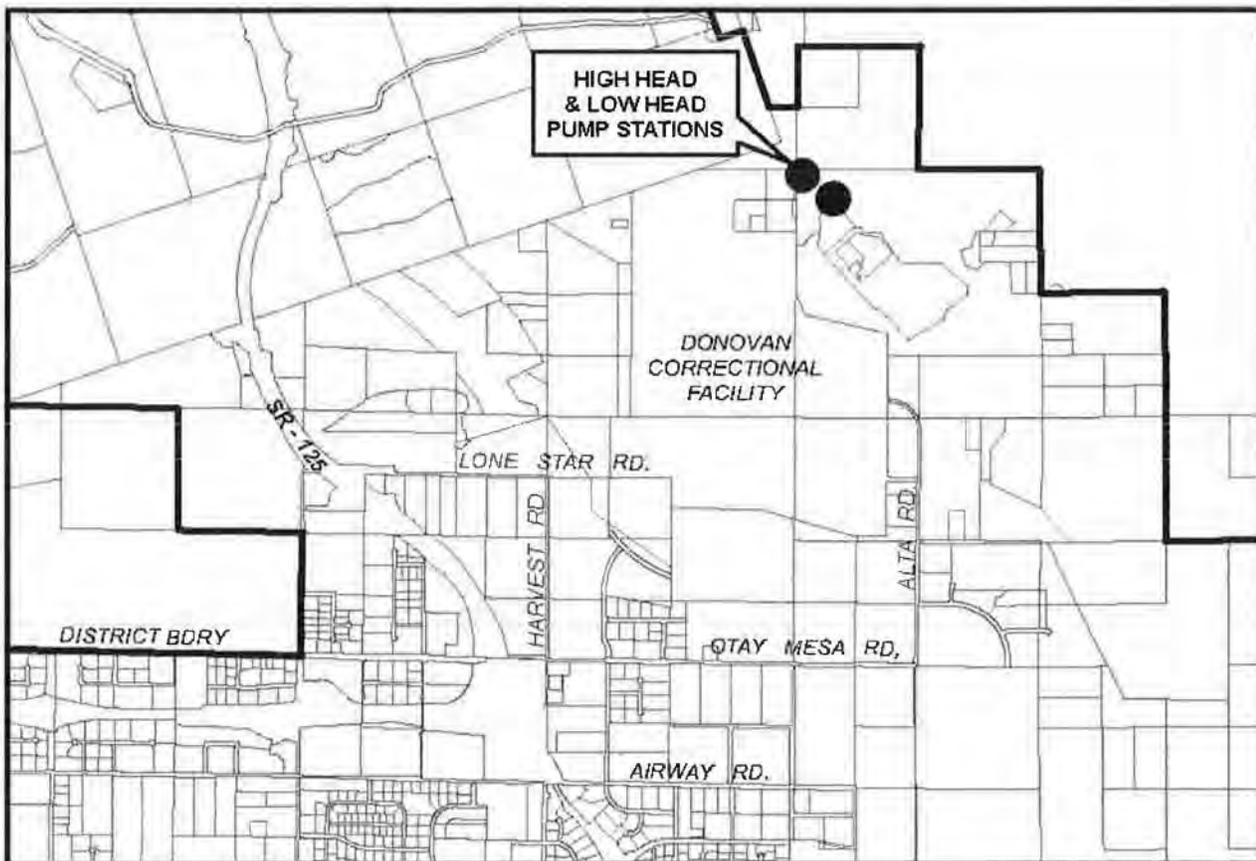
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2013	9/1/2013	\$700
DESIGN:	9/1/2013	3/1/2017	\$1,200
CONSTRUCTION:	3/1/2017	3/1/2022	\$15,100

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Steve Beppler

Date: 4/21/2016

PROJECT TITLE: PS - 1090-1 Pump Station Replacement (400 gpm)

CIP Number: P2174

DIRECTOR DIVISION: 5

PROJECT MANAGER: Jeff Marchioro

I.D. LOCATION:

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS: P2174, P2176

BUDGET AMOUNT: \$1,500,000

DESCRIPTION OF PROJECT:

This project is for the construction of a new pump station to replace the existing pump station. Improve pump station to include fire pump (1,500 gpm) and closed zone capability to eliminate the need for redundant 1090 Pressure Zone Reservoir (CIP P2176).

JUSTIFICATION OF PROJECT:

The existing pump station, originally constructed in 1962, has reached the end of its 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	2017	2018	2019	2020	2021	2022	Total	
	\$0	\$1	\$150	\$200	\$1,149	\$0	\$0	\$1,500

CIP Number: P2174

PROJECT SCHEDULE:

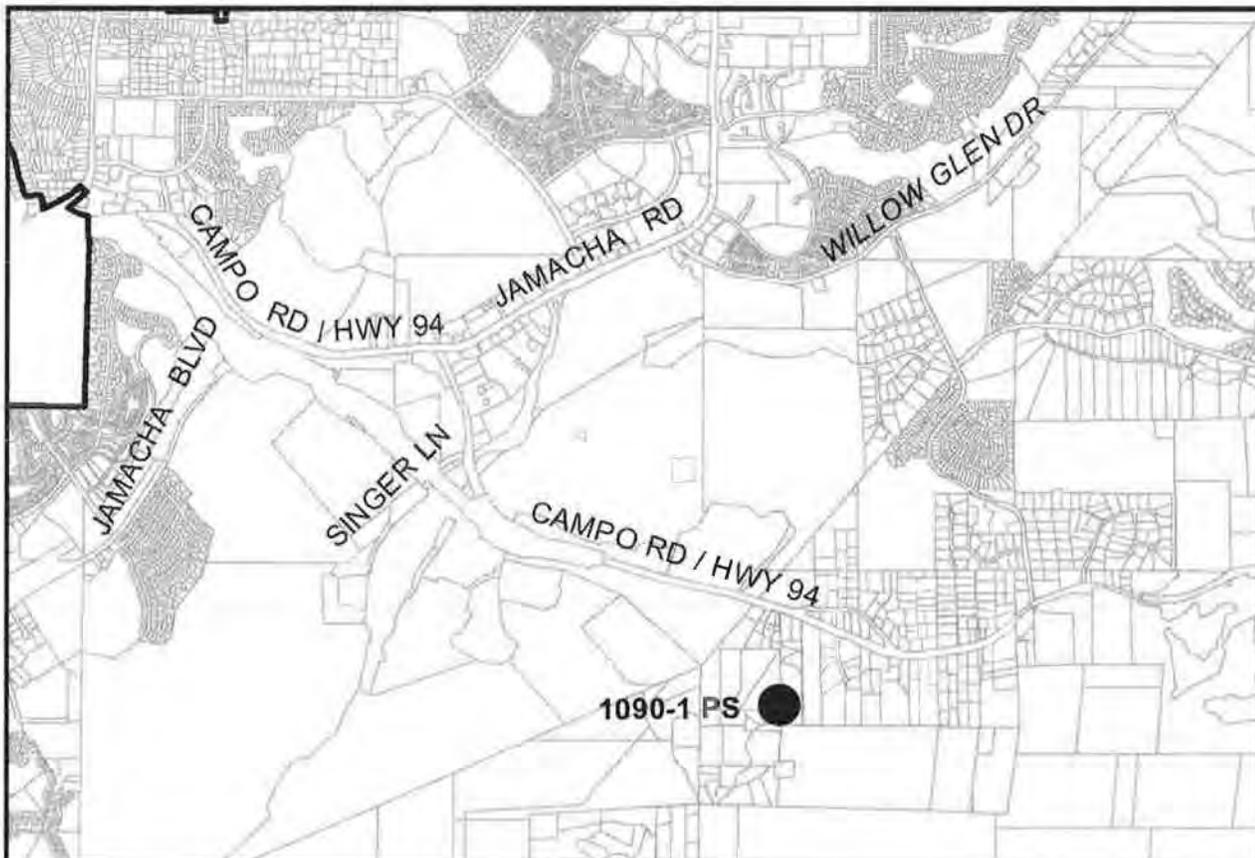
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2017	4/30/2018	\$150
DESIGN:	5/1/2018	4/30/2019	\$200
CONSTRUCTION:	5/1/2019	6/30/2020	\$1,150

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: 320



Submitted By: OTAY\Jeff.Marchioro

Date: 4/21/2016

PROJECT TITLE: PL - 20-Inch Pipeline Replacement, 711 Zone, Otay Lakes Road - at Santa Paula

CIP Number: P2400

DIRECTOR DIVISION: 1

PROJECT MANAGER: Jeff Marchioro

I.D. LOCATION:

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$2,000,000

DESCRIPTION OF PROJECT:

This project is to replace 3,700 feet of 16-inch asbestos concrete water main in Otay Lakes Road at Santa Paula.

JUSTIFICATION OF PROJECT:

The existing water main bottlenecks from 20-inch down to 16-inch. The existing 16-inch pipe causes high head loss at peak flow; zone is already strapped for head because of volume supplied and length of zone.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$0	\$0	\$0	\$150	\$350	\$1,500	\$2,000

CIP Number: P2400

PROJECT SCHEDULE:

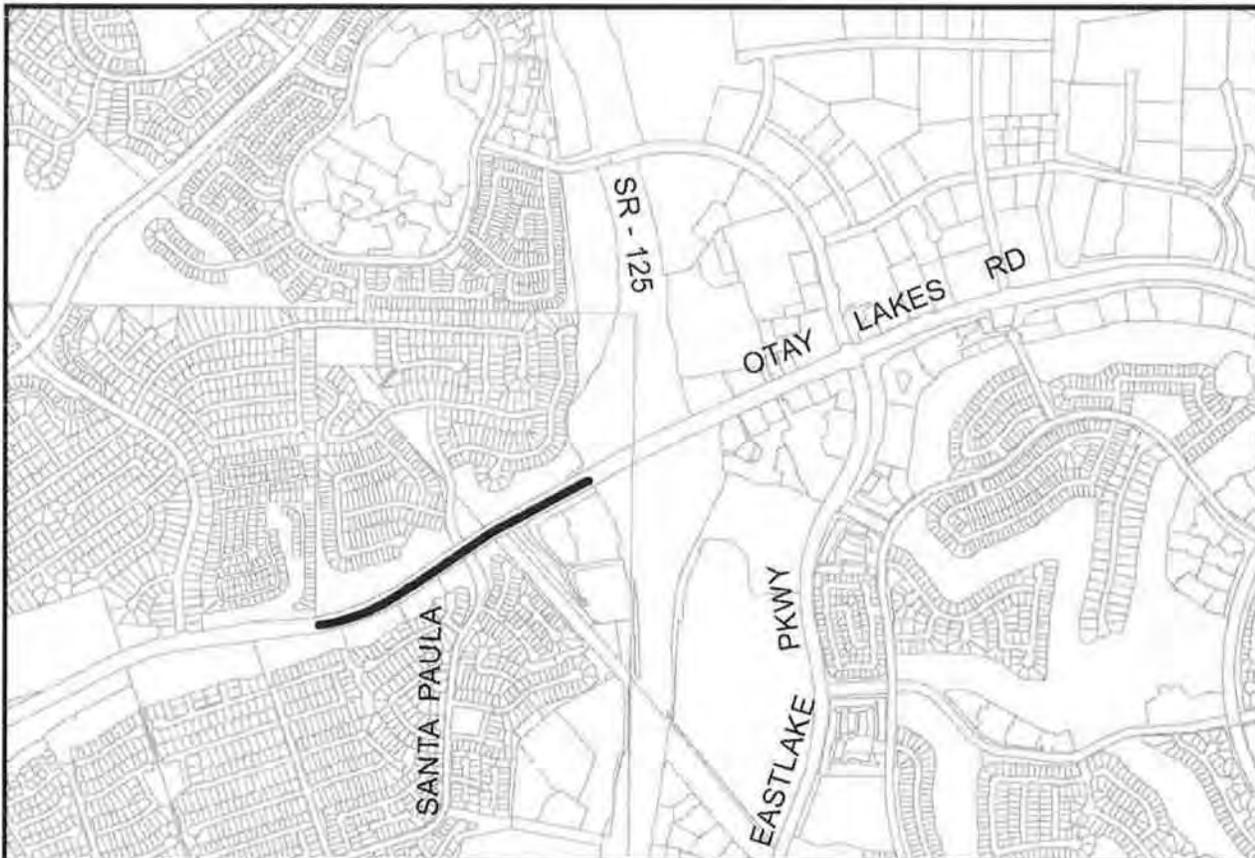
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2019	6/30/2020	\$150
DESIGN:	7/1/2020	6/30/2021	\$350
CONSTRUCTION:	7/1/2021	6/30/2022	\$1,500

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 130



Submitted By: Jolene Fielding

Date: 4/19/2016

PROJECT TITLE: 624-2 Reservoir Interior/Exterior Coating

CIP Number: P2493

DIRECTOR DIVISION: 4

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE: 5/21/2009

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$1,675,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$1,555	\$60	\$60	\$0	\$0	\$0	\$1,675

CIP Number: P2493

PROJECT SCHEDULE:

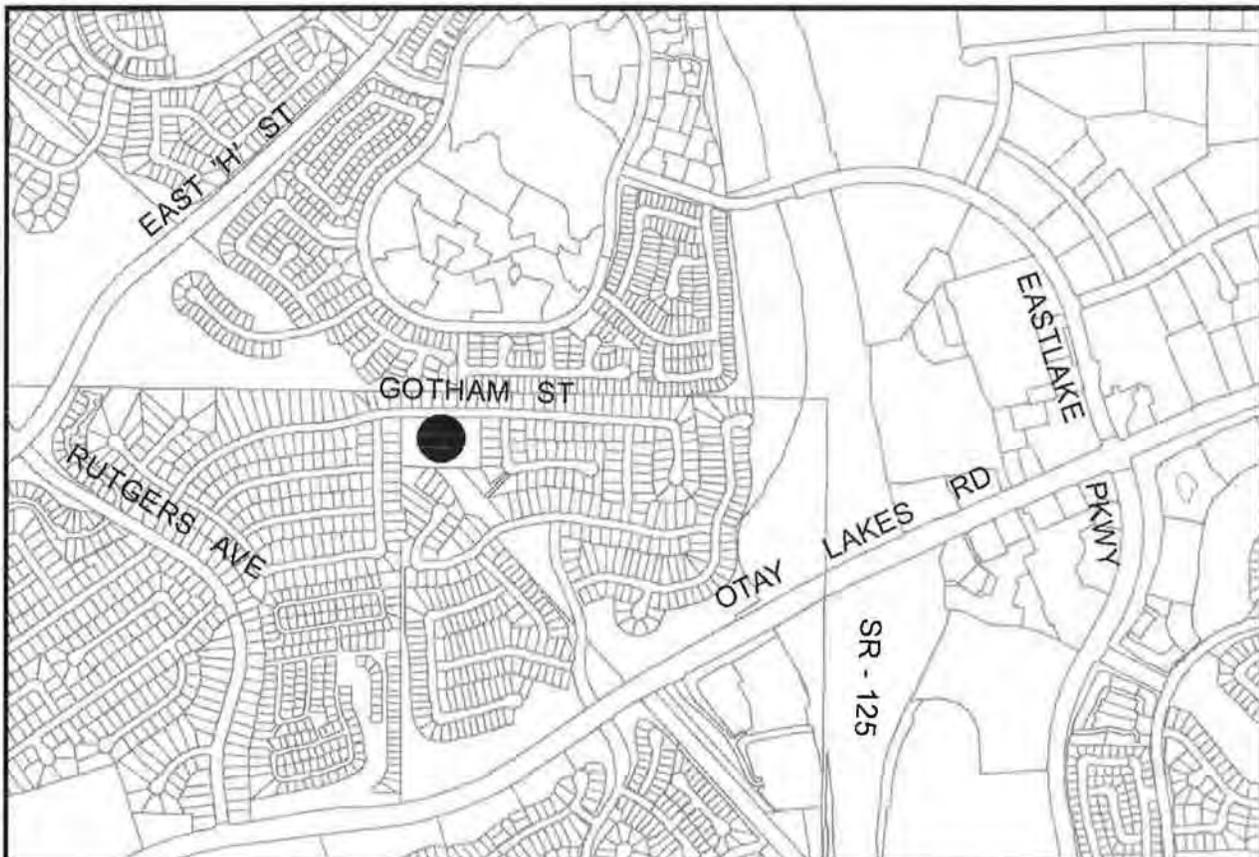
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2009	8/1/2010	\$5
DESIGN:	9/1/2010	12/31/2013	\$95
CONSTRUCTION:	1/8/2014	6/30/2017	\$1,575

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 130



Submitted By: Jolene Fielding

Date: 4/14/2016

PROJECT TITLE: East Palomar Street Utility Relocation

CIP Number: P2507

PROJECT MANAGER: Kevin Cameron

DIRECTOR DIVISION: 2

ORIGINAL APPROVED DATE: 5/17/2010

I.D. LOCATION: 22

RELATED CIP PROJECTS:

PRIORITY: 2

BUDGET AMOUNT: \$940,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$720	\$120	\$100	\$0	\$0	\$0	\$940

CIP Number: P2507

PROJECT SCHEDULE:

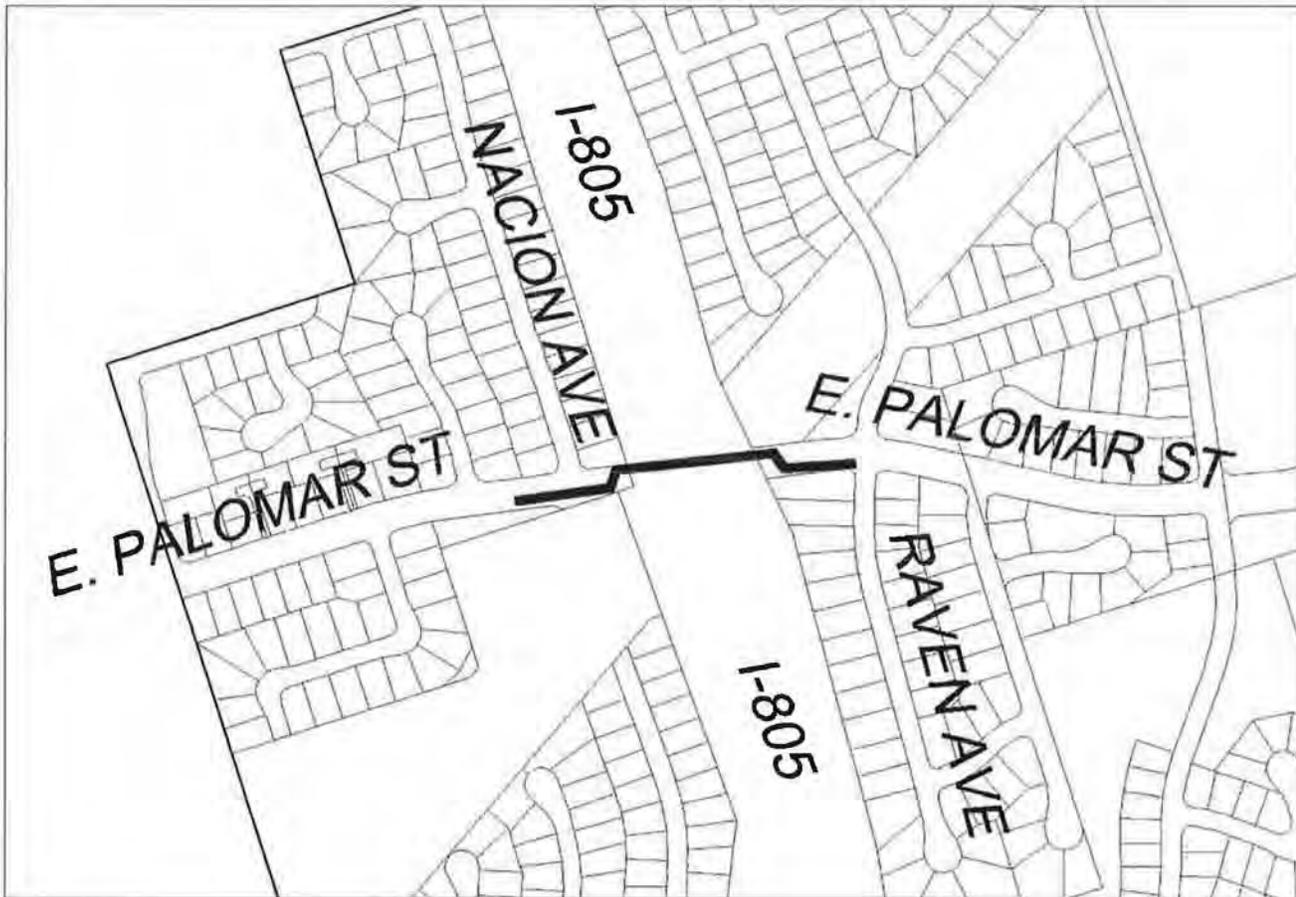
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2010	12/1/2010	\$5
DESIGN:	1/1/2011	12/1/2012	\$245
CONSTRUCTION:	1/1/2013	6/30/2018	\$690

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 80



Submitted By: Jolene Fielding

Date: 4/14/2016

PROJECT TITLE: Pipeline Cathodic Protection Replacement Program

CIP Number: P2508

PROJECT MANAGER: Jeff Marchioro

DIRECTOR DIVISION: 0

ORIGINAL APPROVED DATE: 5/17/2010

I.D. LOCATION: District Wide

RELATED CIP PROJECTS:

PRIORITY: 1

BUDGET AMOUNT: \$725,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

The ongoing cathodic protection program efforts have identified various pipelines for anode replacement, cathodic test station repairs, 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	2017	2018	2019	2020	2021	2022	Total
	\$229	\$300	\$100	\$96	\$0	\$0	\$0
							\$725

CIP Number: P2508

PROJECT SCHEDULE:

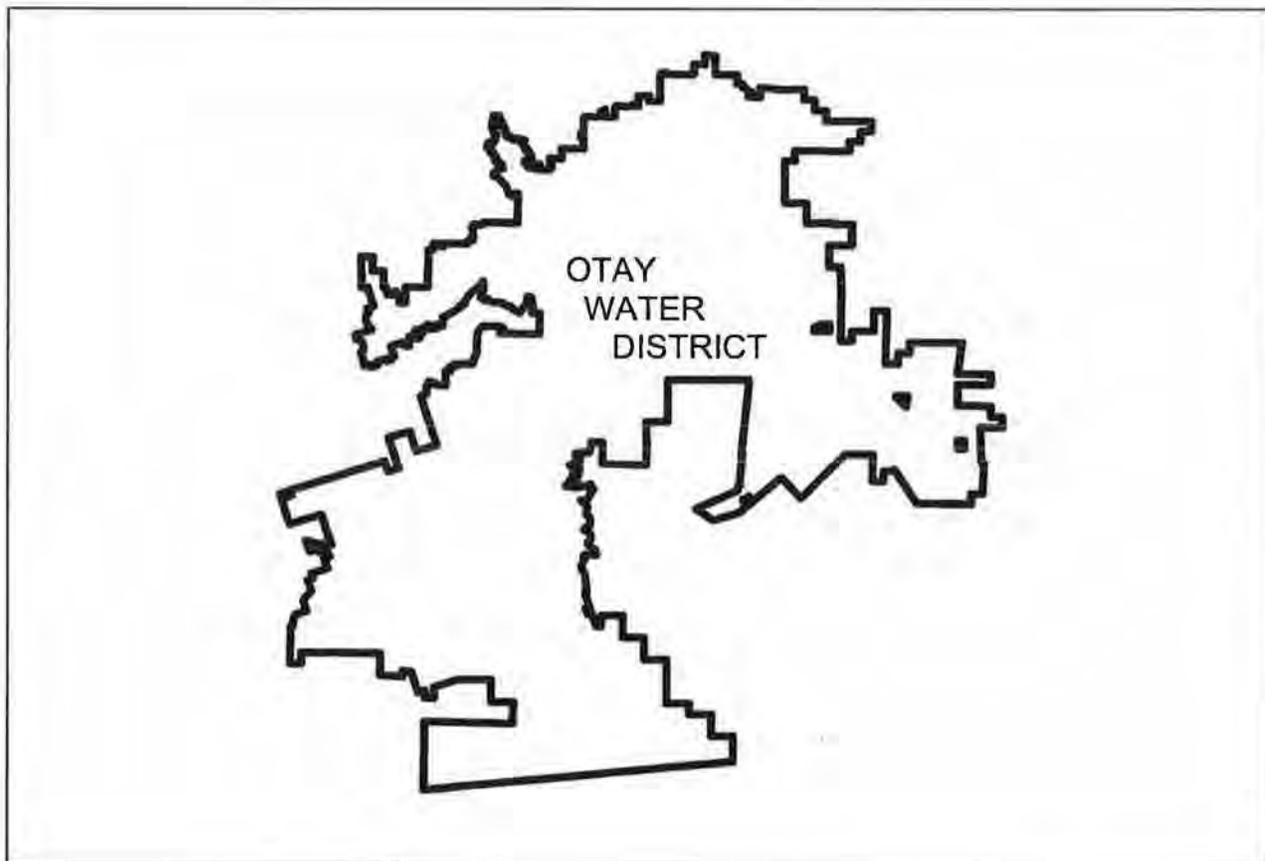
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2010	6/30/2016	\$50
DESIGN:	7/1/2014	6/30/2016	\$100
CONSTRUCTION:	10/1/2014	6/30/2019	\$575

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 4/14/2016

PROJECT TITLE: 803-3 Reservoir Interior/Exterior Coating

CIP Number: P2518

PROJECT MANAGER: Kevin Cameron

DIRECTOR DIVISION: 5

ORIGINAL APPROVED DATE: 5/15/2012

I.D. LOCATION: 22

RELATED CIP PROJECTS:

PRIORITY: 2

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 2017.

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$640	\$40	\$20	\$0	\$0	\$0	\$700

CIP Number: P2518

PROJECT SCHEDULE:

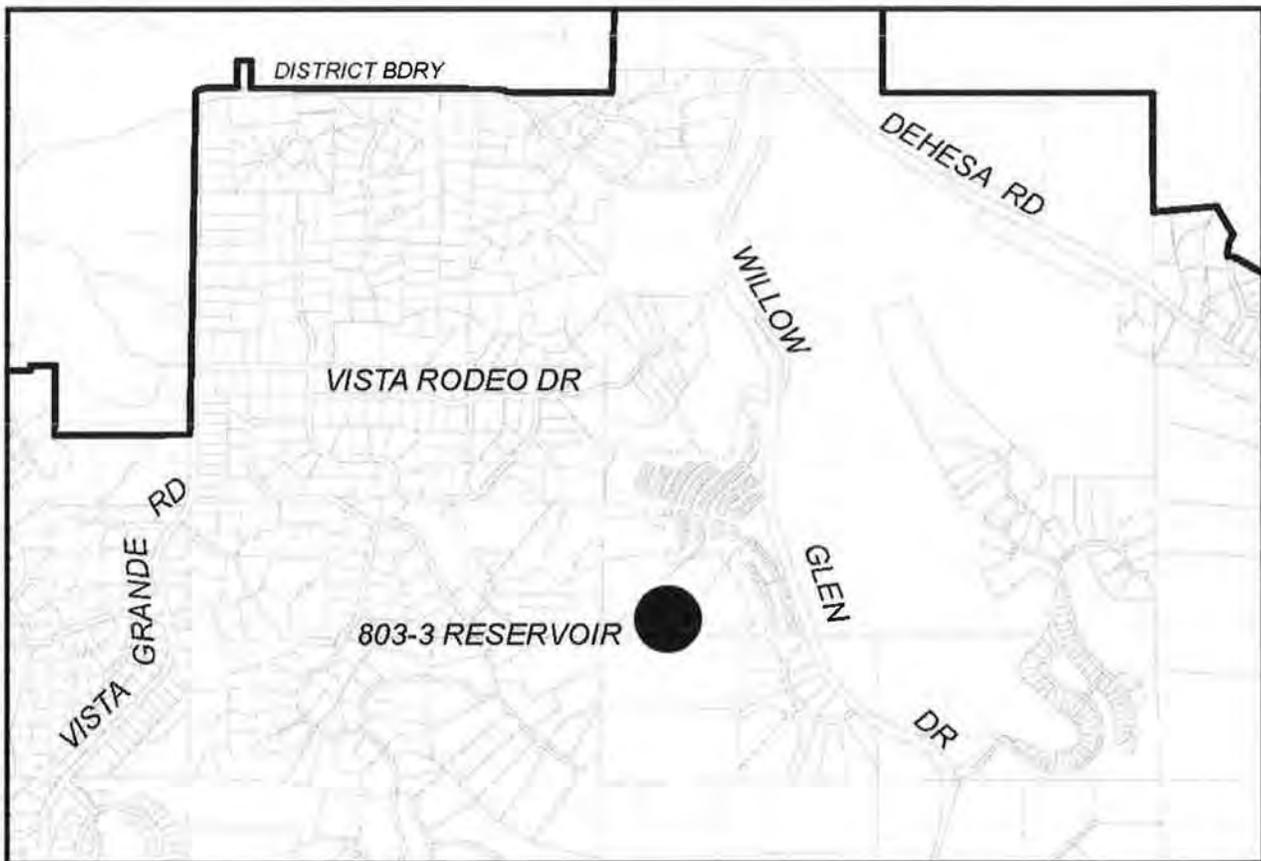
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2011	9/1/2012	\$10
DESIGN:	10/1/2012	12/1/2013	\$65
CONSTRUCTION:	1/1/2013	7/31/2016	\$625

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 370



Submitted By: Jolene Fielding

Date: 4/19/2016

PROJECT TITLE: 832-2 Reservoir Interior/Exterior Coating

CIP Number: P2519

PROJECT MANAGER: Kevin Cameron

DIRECTOR DIVISION: 5

ORIGINAL APPROVED DATE: 5/15/2012

I.D. LOCATION: 22

RELATED CIP PROJECTS:

PRIORITY: 2

BUDGET AMOUNT: \$750,000

DESCRIPTION OF PROJECT:

This project provides funding for the interior and exterior coating of the 832-2 Reservoir. In addition, an assessment of the facility will be accomplished to assure compliance to all applicable codes and OSHA standards.

JUSTIFICATION OF PROJECT:

Based upon the 2010 Cathodic Assessment Report, the 832-2 Reservoir interior and exterior coatings are in relatively poor condition and are in need of replacement.

COMMENTS:

Project under construction.

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$665	\$65	\$20	\$0	\$0	\$0	\$750

CIP Number: P2519

PROJECT SCHEDULE:

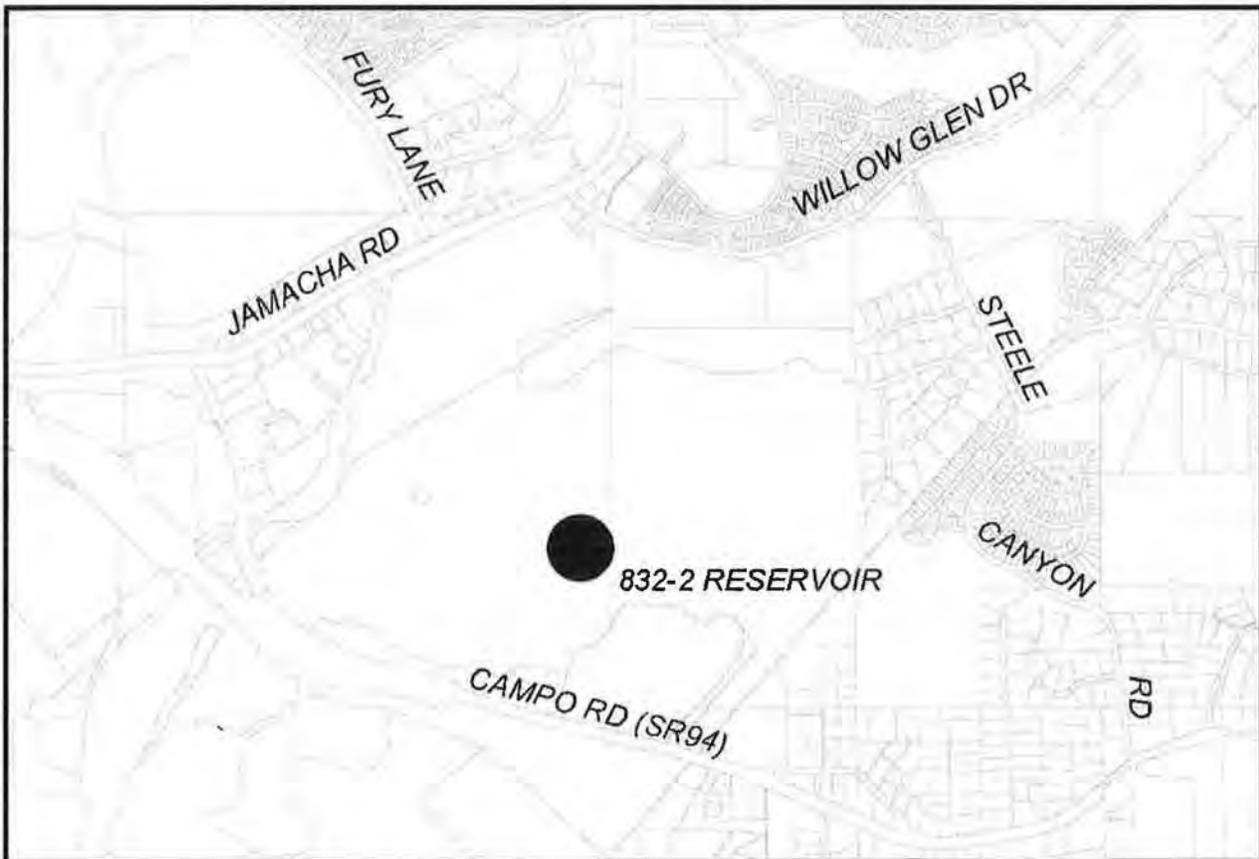
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2011	9/1/2012	\$10
DESIGN:	10/1/2012	12/1/2013	\$50
CONSTRUCTION:	1/1/2013	7/31/2016	\$690

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Kevin Cameron

Date: 3/8/2016

PROJECT TITLE: 711-2 Reservoir Interior & Exterior Coating

CIP Number: P2529

PROJECT MANAGER: Kevin Cameron

DIRECTOR DIVISION: 1

ORIGINAL APPROVED DATE:

I.D. LOCATION: 22

RELATED CIP PROJECTS: P2530

PRIORITY: 2

BUDGET AMOUNT: \$840,000

DESCRIPTION OF PROJECT:

This project is 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:

Budget increase from \$790K to \$840K in anticipation of structural repairs that have been encountered on many of the tanks recoated in the past few years.

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	2017	2018	2019	2020	2021	2022	Total
	\$405	\$360	\$25	\$50	\$0	\$0	\$840

CIP Number: P2529

PROJECT SCHEDULE:

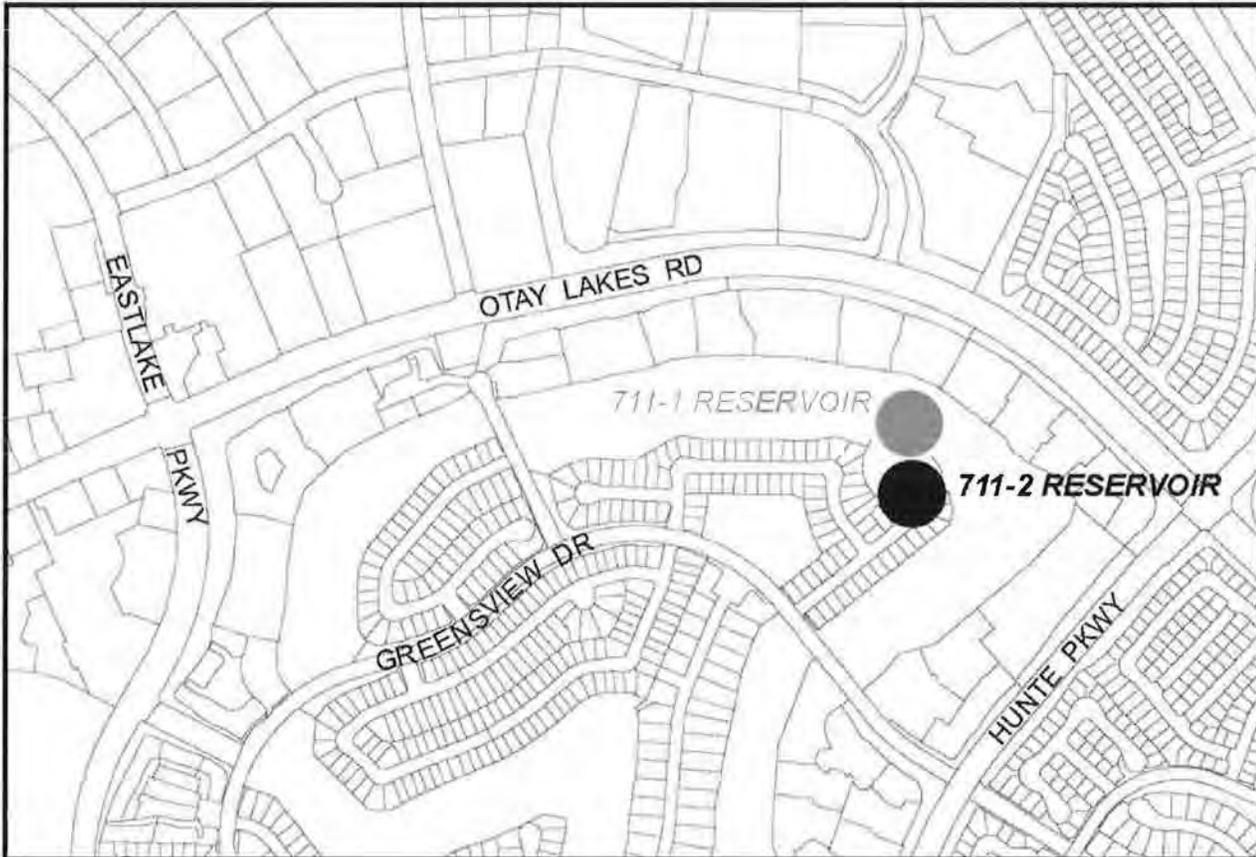
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	6/1/2015	8/31/2015	\$10
DESIGN:	9/1/2015	12/31/2015	\$65
CONSTRUCTION:	1/1/2016	12/31/2018	\$765

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Steve Beppler

Date: 5/6/2016

PROJECT TITLE: 711-1 Reservoir Interior & Exterior Coating

CIP Number: P2530

PROJECT MANAGER: Kevin Cameron

DIRECTOR DIVISION: 1

ORIGINAL APPROVED DATE:

I.D. LOCATION: 22

RELATED CIP PROJECTS: P2529

PRIORITY: 2

BUDGET AMOUNT: \$1,040,000

DESCRIPTION OF PROJECT:

This project is 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	2017	2018	2019	2020	2021	2022	Total
	\$850	\$90	\$50	\$0	\$0	\$0	\$1,040

CIP Number: P2530

PROJECT SCHEDULE:

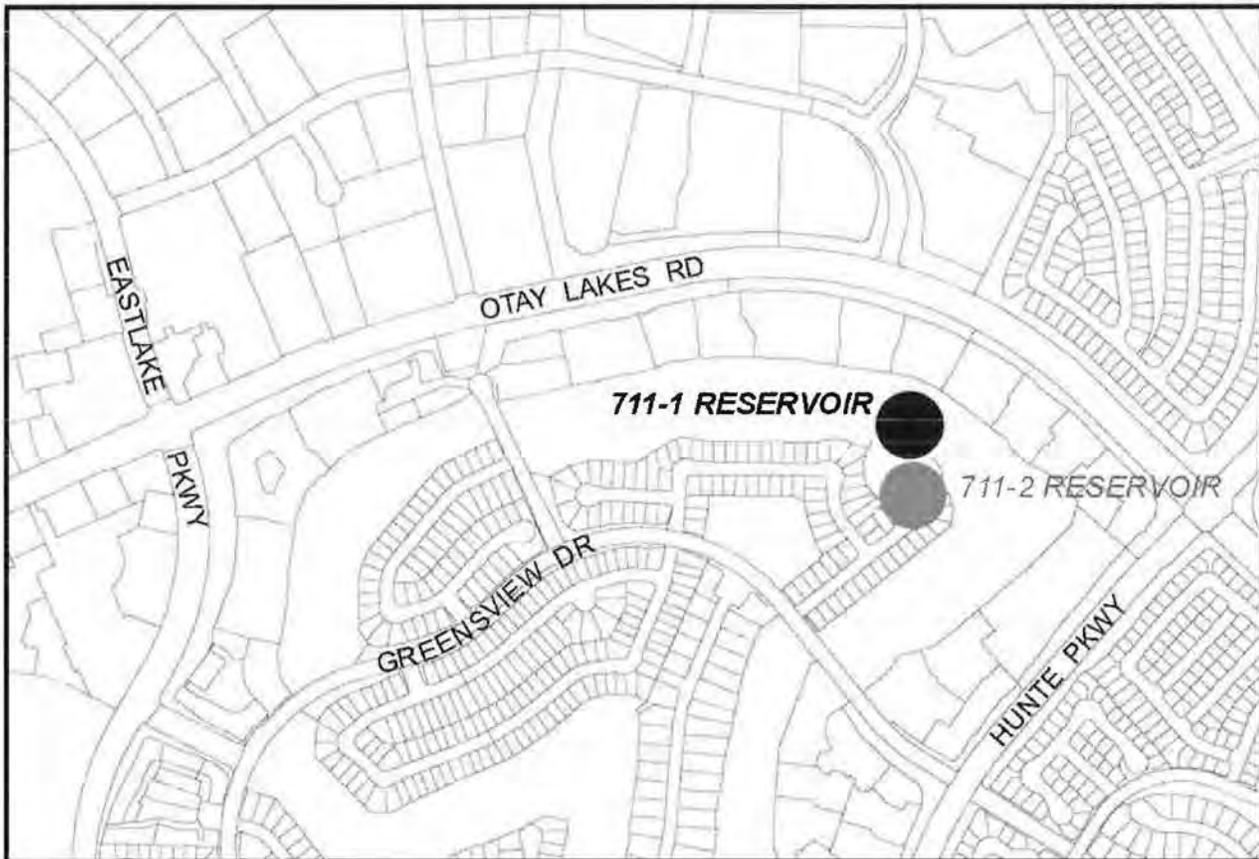
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	6/1/2015	8/31/2015	\$10
DESIGN:	9/1/2015	12/31/2015	\$65
CONSTRUCTION:	1/1/2016	12/31/2018	\$965

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Jolene Fielding

Date: 4/15/2016

PROJECT TITLE: 944-1 Reservoir Interior & Exterior Coating

CIP Number: P2531

PROJECT MANAGER: Kevin Cameron

DIRECTOR DIVISION: 5

ORIGINAL APPROVED DATE:

I.D. LOCATION: 22

RELATED CIP PROJECTS: P2532

PRIORITY: 1

BUDGET AMOUNT: \$410,000

DESCRIPTION OF PROJECT:

This project is 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:

Budget increased from \$390K to \$410K to reflect actual bid amount for structural improvements discovered during construction.

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$310	\$50	\$0	\$0	\$0	\$0	\$410

CIP Number: P2531

PROJECT SCHEDULE:

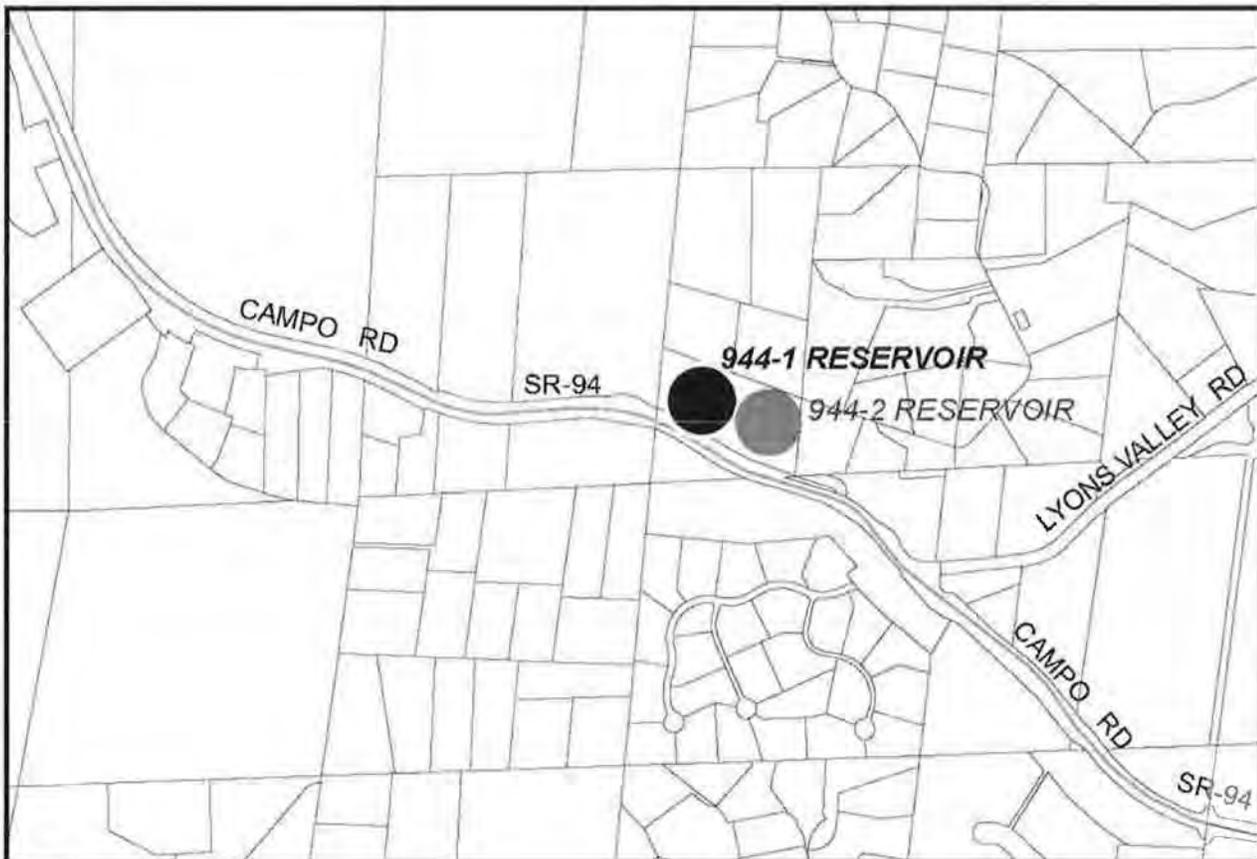
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	5/1/2014	6/30/2014	\$10
DESIGN:	7/1/2014	12/30/2014	\$60
CONSTRUCTION:	12/31/2014	6/29/2018	\$340

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Jolene Fielding

Date: 4/15/2016

PROJECT TITLE: 944-2 Reservoir Interior & Exterior Coating

CIP Number: P2532

PROJECT MANAGER: Kevin Cameron

DIRECTOR DIVISION: 5

ORIGINAL APPROVED DATE:

I.D. LOCATION: 22

RELATED CIP PROJECTS: P2531

PRIORITY: 2

BUDGET AMOUNT: \$1,050,000

DESCRIPTION OF PROJECT:

This project is 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:

Budget increased from \$946K to \$1.05M to reflect actual bid amount and anticipated structural improvements encountered on many other tanks being recoated.

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$950	\$50	\$0	\$0	\$0	\$0	\$1,050

CIP Number: P2532

PROJECT SCHEDULE:

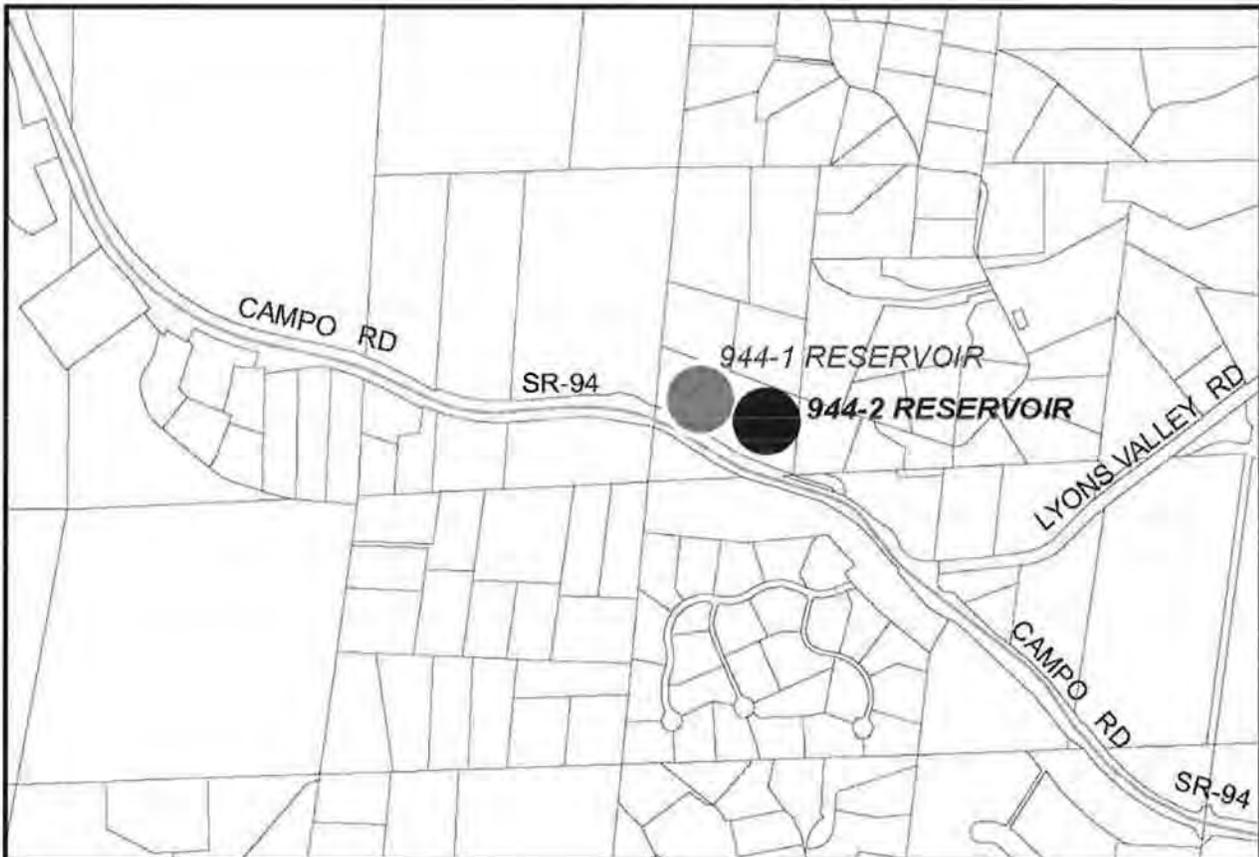
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	5/1/2014	6/30/2014	\$10
DESIGN:	7/1/2014	10/31/2014	\$75
CONSTRUCTION:	12/31/2014	6/29/2018	\$965

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Jolene Fielding

Date: 5/10/2016

PROJECT TITLE: 1200-1 Reservoir Interior & Exterior Coating

CIP Number: P2533

PROJECT MANAGER: Kevin Cameron

DIRECTOR DIVISION: 5

ORIGINAL APPROVED DATE:

I.D. LOCATION: 22

RELATED CIP PROJECTS:

PRIORITY: 2

BUDGET AMOUNT: \$810,000

DESCRIPTION OF PROJECT:

This project is for the interior and exterior coating of the 1200-1 Reservoir. In addition, an assessment of the facility will be accomplished to assure compliance to all applicable codes and OSHA standards.

JUSTIFICATION OF PROJECT:

Based upon the 2011 Cathodic Assessment Report, the 1200-1 Reservoir interior and exterior coatings are in relatively poor condition and are in need of replacement.

COMMENTS:

Budget increased from \$565K to \$810K to reflect latest bid results and include structural improvements required on many tanks recently recoated.

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$0	\$10	\$700	\$50	\$50	\$0	\$810

CIP Number: P2533

PROJECT SCHEDULE:

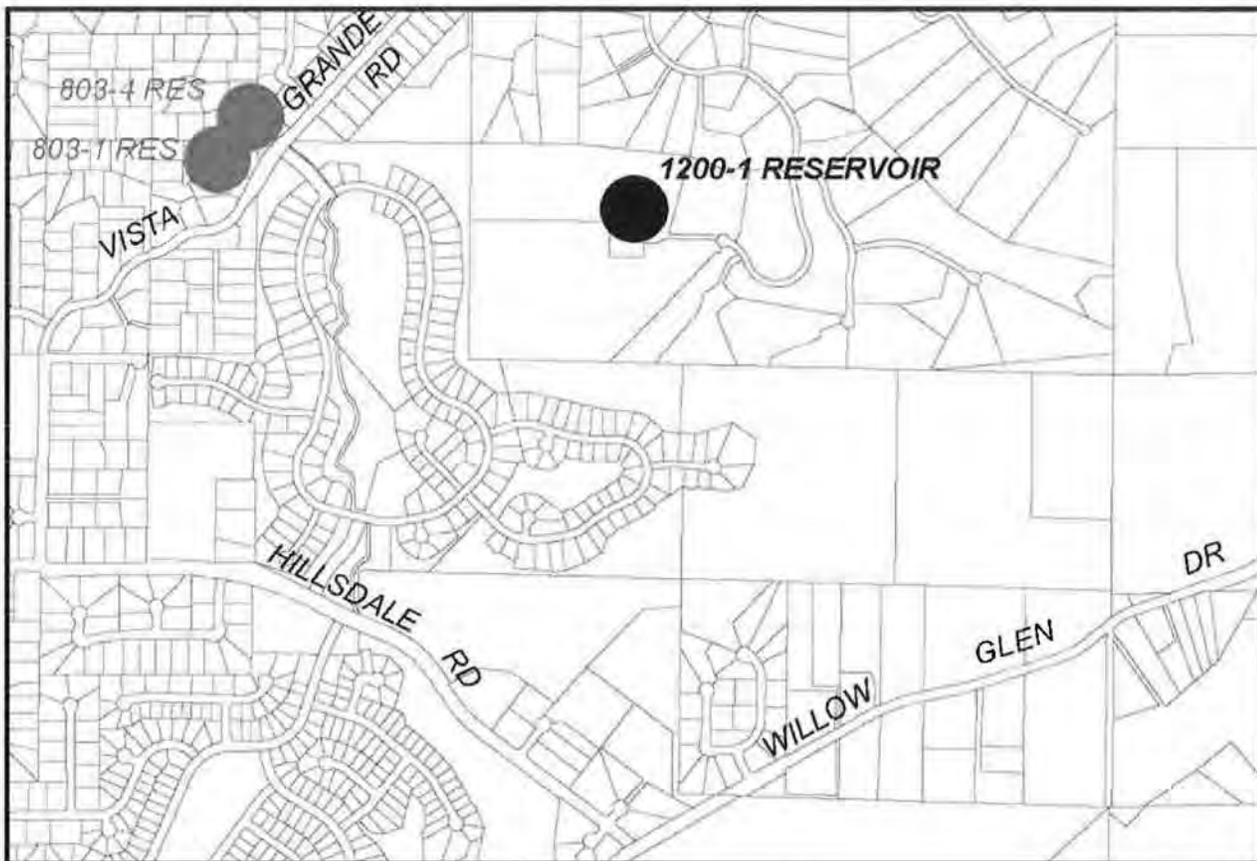
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	6/1/2016	7/31/2017	\$20
DESIGN:	8/3/2017	3/2/2018	\$60
CONSTRUCTION:	3/5/2018	6/30/2020	\$730

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 369



Submitted By: Steve Beppler

Date: 4/21/2016

PROJECT TITLE: 978-1 Reservoir Interior & Exterior Coating

CIP Number: P2534

PROJECT MANAGER: Kevin Cameron

DIRECTOR DIVISION: 5

ORIGINAL APPROVED DATE:

I.D. LOCATION: 22

RELATED CIP PROJECTS:

PRIORITY: 2

BUDGET AMOUNT: \$715,000

DESCRIPTION OF PROJECT:

This project is for the interior and exterior coating of the 978-1 Reservoir. In addition, an assessment of the facility will be accomplished to assure compliance to all applicable codes and OSHA standards.

JUSTIFICATION OF PROJECT:

Based upon the 2011 Cathodic Assessment Report, the 978-1 Reservoir interior and exterior coatings are in relatively poor condition and are in need of replacement.

COMMENTS:

Budget increased from \$325K to \$715K to reflect latest bid results and include structural improvements required on many tanks recently recoated. The 978-1 was recently cleaned to remove silt, and a video of the tank showed fragments of steel on the floor. The rafters will need to be replaced. The tank was built in 1959.

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$0	\$615	\$50	\$50	\$0	\$0	\$715

CIP Number: P2534

PROJECT SCHEDULE:

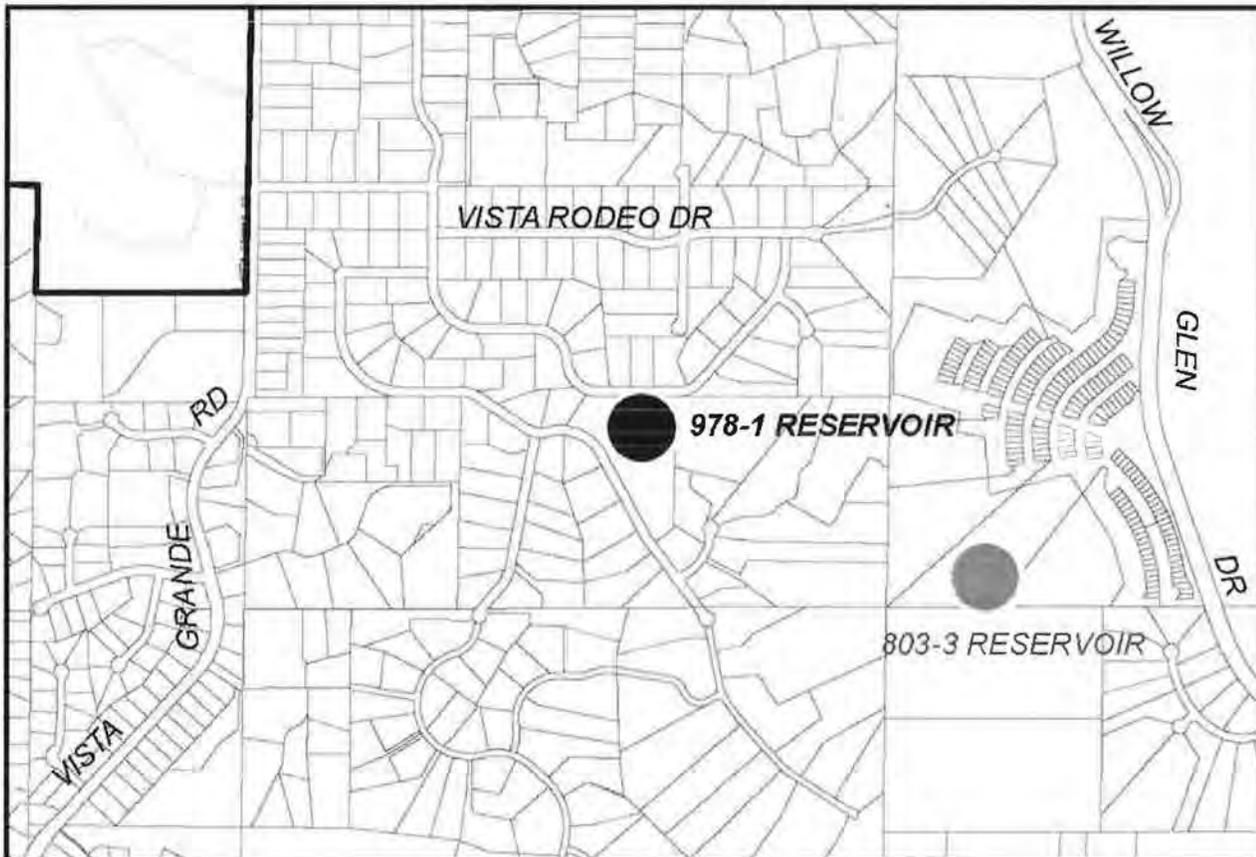
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	6/2/2016	7/29/2016	\$10
DESIGN:	8/1/2016	10/5/2016	\$60
CONSTRUCTION:	10/6/2016	6/28/2019	\$645

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 378



Submitted By: Jolene Fielding

Date: 4/19/2016

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE: 458-2 Reservoir Interior & Exterior Coating & Upgrades	CIP Number: P2535
PROJECT MANAGER: Kevin Cameron	DIRECTOR DIVISION: 2
ORIGINAL APPROVED DATE: 5/15/2012	I.D. LOCATION: 22
RELATED CIP PROJECTS:	PRIORITY: 2
	BUDGET AMOUNT: \$885,000

DESCRIPTION OF PROJECT:
 This project is 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:
 Budget increased from \$839K to \$885K to reflect actual construction costs.

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	2017	2018	2019	2020	2021	2022	Total
	\$785	\$50	\$50	\$0	\$0	\$0	\$885

CIP Number: P2535

PROJECT SCHEDULE:

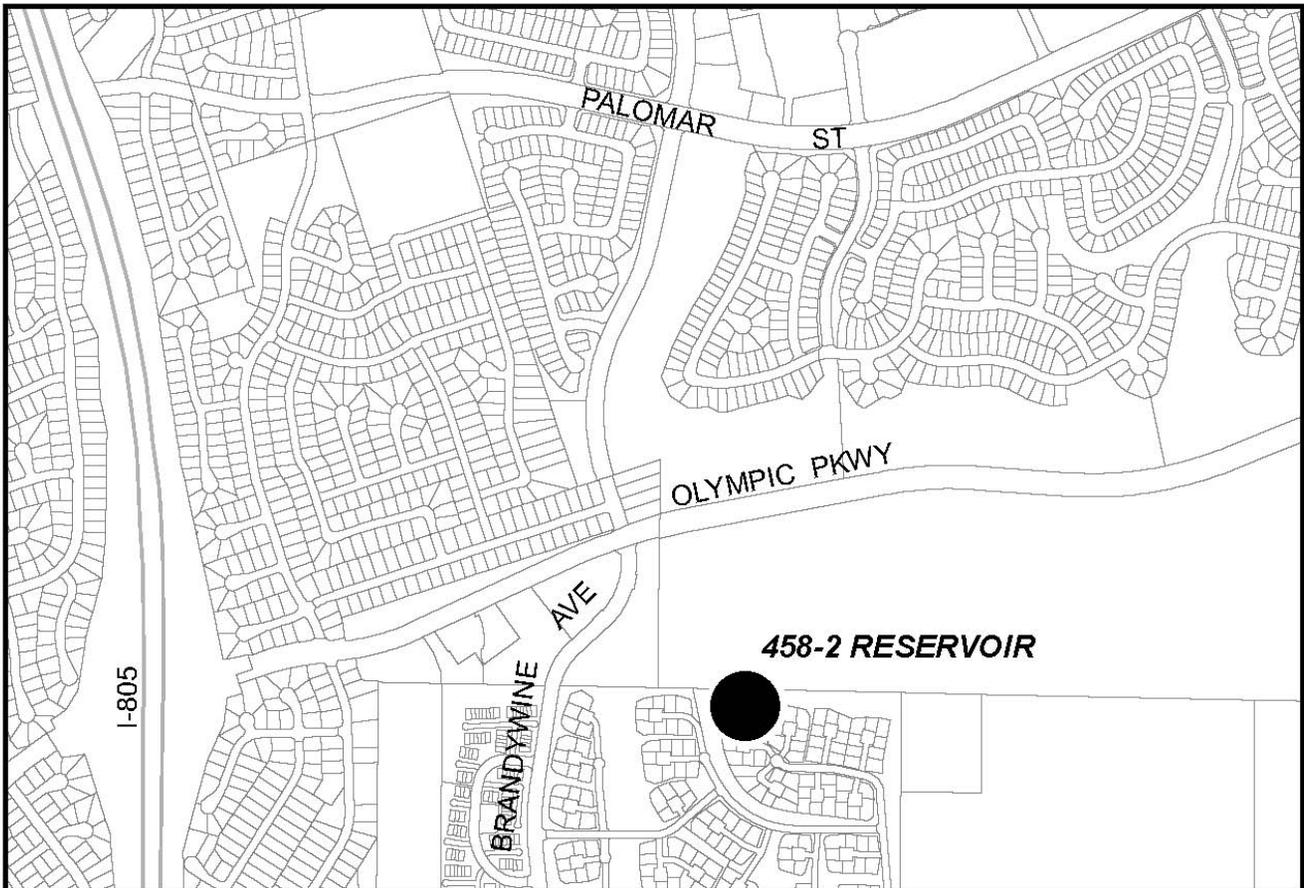
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	6/1/2013	9/30/2013	\$10
DESIGN:	10/1/2013	12/31/2014	\$65
CONSTRUCTION:	1/1/2015	6/29/2018	\$810

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 66



Submitted By: Jolene Fielding

Date: 5/16/2016

PROJECT TITLE: Administration and Operations Building Fire Sprinkler Replacement Program

CIP Number: P2538

PROJECT MANAGER: Kevin Cameron

DIRECTOR DIVISION: 5

ORIGINAL APPROVED DATE:

I.D. LOCATION: 22

RELATED CIP PROJECTS:

PRIORITY: 1

BUDGET AMOUNT: \$110,000

DESCRIPTION OF PROJECT:

A licensed fire sprinkler designer is required to prepare plans and specifications for the work and obtain all permits and approvals before the project can be competitively bid by contractors.

JUSTIFICATION OF PROJECT:

Inspections of the Administration building and the Operations building fire sprinkler systems are performed to NFPA-25, California Code of Regulations, Title 19 and Local Fire Department requirements annually. A recent inspection of the fire sprinkler system has identified corrosion throughout the systems as the cause for leaks the District experienced last year and is recommending the replacement of the existing fire sprinkler systems piping.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
\$100	\$10	\$0	\$0	\$0	\$0	\$0	\$110

CIP Number: P2538

PROJECT SCHEDULE:

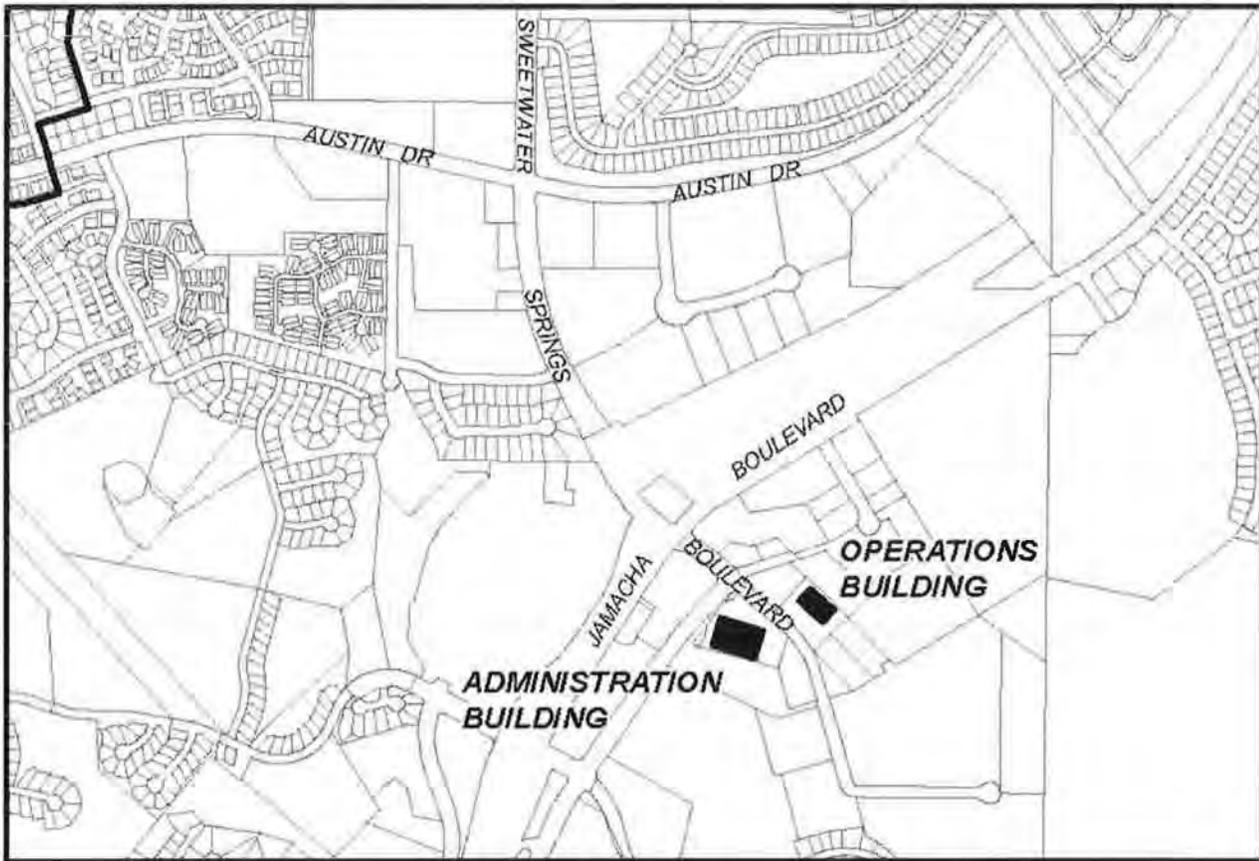
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	12/1/2012	7/1/2013	\$0
DESIGN:	7/1/2013	3/1/2014	\$40
CONSTRUCTION:	3/1/2014	6/30/2017	\$70

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Steve Beppler

Date: 3/25/2016

PROJECT TITLE: South Bay Bus Rapid Transit (BRT) Utility Relocations		CIP Number: P2539					
PROJECT MANAGER: Kevin Cameron		DIRECTOR DIVISION:	1				
ORIGINAL APPROVED DATE:		I.D. LOCATION:	22/27				
RELATED CIP PROJECTS:		PRIORITY:	1				
		BUDGET AMOUNT:	\$1,090,000				
DESCRIPTION OF PROJECT:							
<p>This project is for all utility relocations required due to construction of South Bay BRT. Facility relocations vary in size and they impact both the potable and recycled water systems.</p>							
JUSTIFICATION OF PROJECT:							
<p>Project improvements will affect the locations of some OWD facilities in streets in Chula Vista. Engineering/staff time will be needed to review the design drawings and identify any OWD facilities which will need relocation or vertical adjustment. A construction budget is also needed for the work in relocating and adjusting these facilities.</p>							
COMMENTS:							
<p>Budget increased from \$940K to \$1.09M to reflect actual costs encountered to date and remaining work to be completed.</p>							
FUND DETAILS:							
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total		
Replacement	0 %	0 %	100 %	0 %	100 %		
TOTAL:	0 %	0 %	100 %	0 %	100 %		
EXPENDITURE SCHEDULE (X \$1,000):							
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$850	\$100	\$40	\$0	\$0	\$0	\$1,090

CIP Number: P2539

PROJECT SCHEDULE:

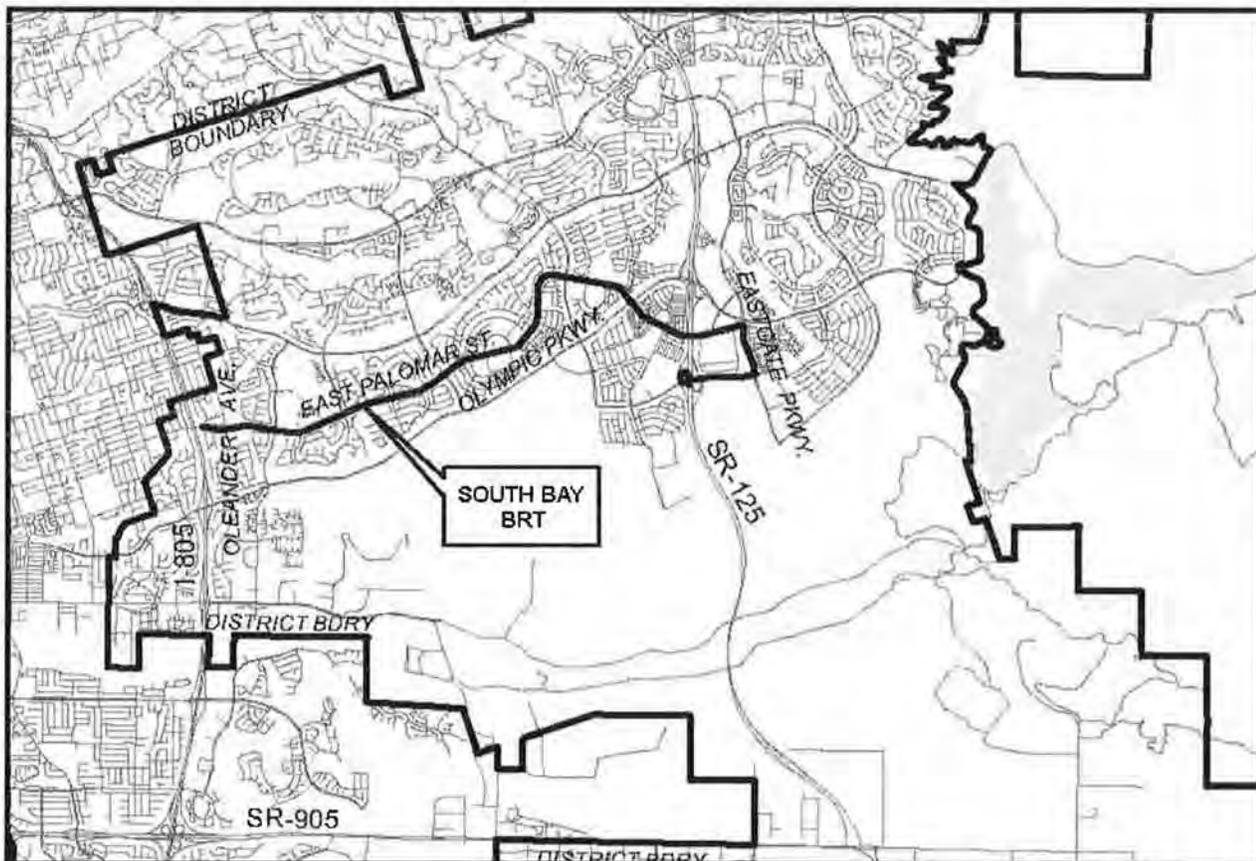
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2013	6/30/2014	\$40
DESIGN:	7/1/2014	4/30/2016	\$80
CONSTRUCTION:	5/1/2016	6/30/2019	\$970

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Jolene Fielding

Date: 5/10/2016

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE: 850-3 Reservoir Interior Coating	CIP Number: P2542
PROJECT MANAGER: Kevin Cameron	DIRECTOR DIVISION: 5
ORIGINAL APPROVED DATE:	I.D. LOCATION: 22
RELATED CIP PROJECTS:	PRIORITY: 2
	BUDGET AMOUNT: \$630,000

DESCRIPTION OF PROJECT:
This project is 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:
Budget increased from \$530K to \$630K to reflect actual bid costs and added structural repairs encountered during 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	2017	2018	2019	2020	2021	2022	Total
	\$530	\$50	\$0	\$0	\$0	\$0	\$630

CIP Number: P2542

PROJECT SCHEDULE:

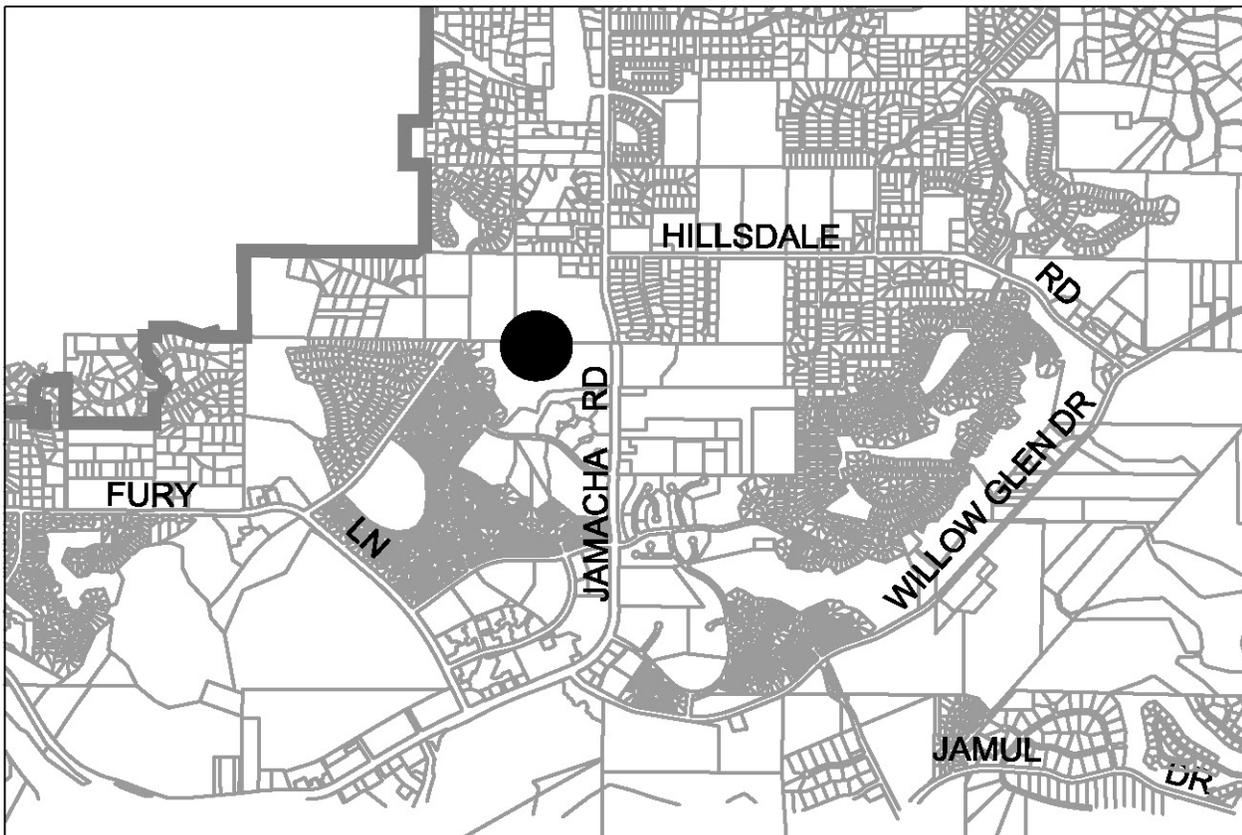
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	6/30/2013	7/31/2014	\$20
DESIGN:	8/1/2014	4/30/2015	\$60
CONSTRUCTION:	5/1/2015	12/29/2017	\$550

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Jolene Fielding

Date: 5/16/2016

PROJECT TITLE: 850-1 Reservoir Interior/Exterior Coating

CIP Number: P2543

PROJECT MANAGER: Kevin Cameron

DIRECTOR DIVISION: 3

ORIGINAL APPROVED DATE:

I.D. LOCATION: 22

RELATED CIP PROJECTS:

PRIORITY: 2

BUDGET AMOUNT: \$875,000

DESCRIPTION OF PROJECT:

This project is for the interior and exterior coating of the 850-1 Reservoir. In addition, an assessment of the facility will be accomplished to assure compliance to all applicable codes and OSHA standards.

JUSTIFICATION OF PROJECT:

Based upon the current Cathodic Assessment Report, the interior and exterior coatings on the 850-1 Reservoir are nearing the end of their useful life and are in need of replacement.

COMMENTS:

Budget increased from \$575K to \$875K to reflect recent bid prices and anticipated structural repairs that have been encountered on many of the tanks recently recoated.

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY							
TOTAL	2017	2018	2019	2020	2021	2022	Total	
	\$0	\$10	\$645	\$120	\$50	\$50	\$0	\$875

CIP Number: P2543

PROJECT SCHEDULE:

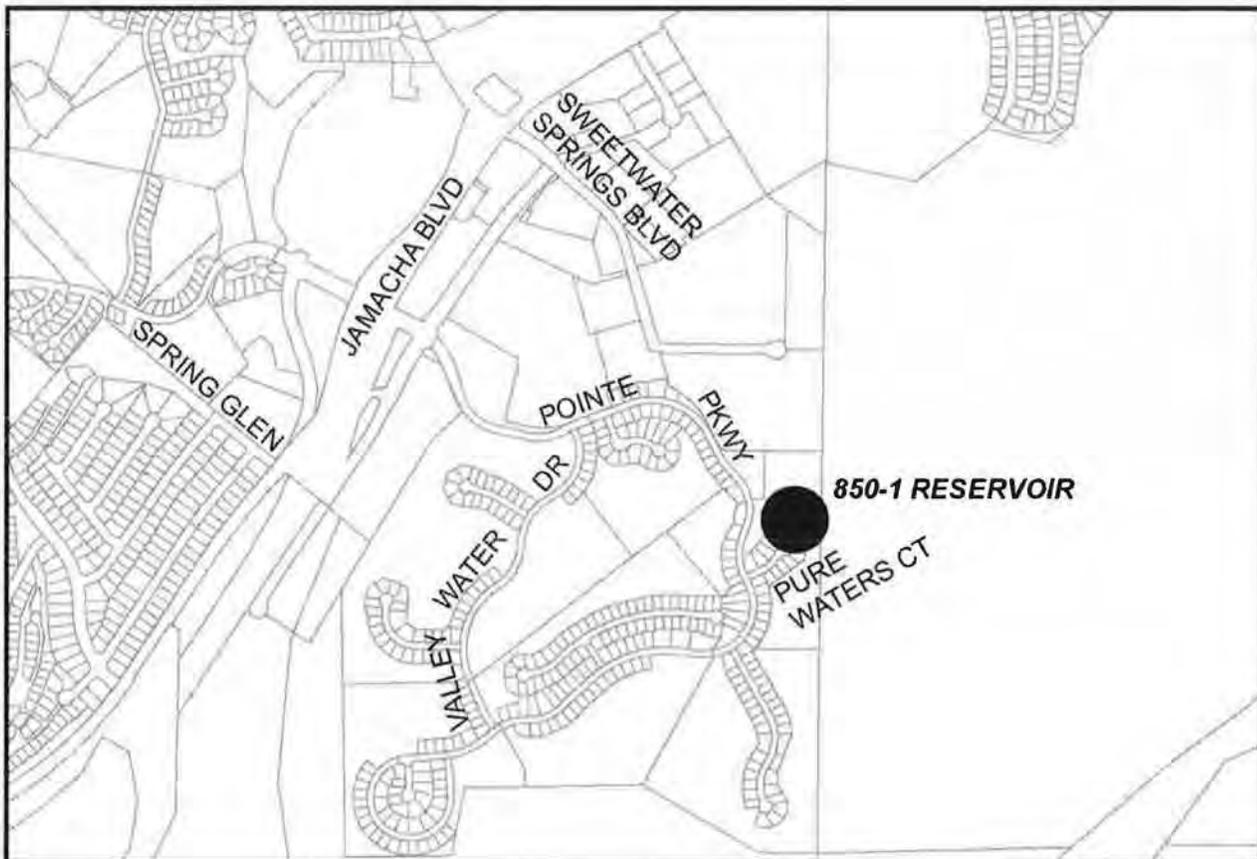
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	1/2/2017	7/28/2017	\$20
DESIGN:	7/31/2017	10/31/2017	\$65
CONSTRUCTION:	11/1/2017	12/31/2020	\$790

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 304



Submitted By: Steve Beppler

Date: 4/21/2016

PROJECT TITLE: 850-2 Reservoir Interior/Exterior Coating	CIP Number: P2544
PROJECT MANAGER: Kevin Cameron	DIRECTOR DIVISION: 3
ORIGINAL APPROVED DATE:	I.D. LOCATION: 22
RELATED CIP PROJECTS:	PRIORITY: 2
	BUDGET AMOUNT: \$1,070,000

DESCRIPTION OF PROJECT:
 This project is for the interior and exterior coating of the 850-2 Reservoir. In addition, an assessment of the facility will be accomplished to assure compliance to all applicable codes and OSHA standards.

JUSTIFICATION OF PROJECT:
 Based upon the current Cathodic Assessment Report, the interior and exterior coatings on the 850-2 Reservoir are nearing the end of their useful life and are in need of replacement.

COMMENTS:
 Budget increased from \$940K to \$1.07M to reflect recent bid prices and anticipated structural repairs encountered on many tanks recently recoated.

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	2017	2018	2019	2020	2021	2022	Total	
	\$0	\$835	\$135	\$50	\$50	\$0	\$0	\$1,070

CIP Number: P2544

PROJECT SCHEDULE:

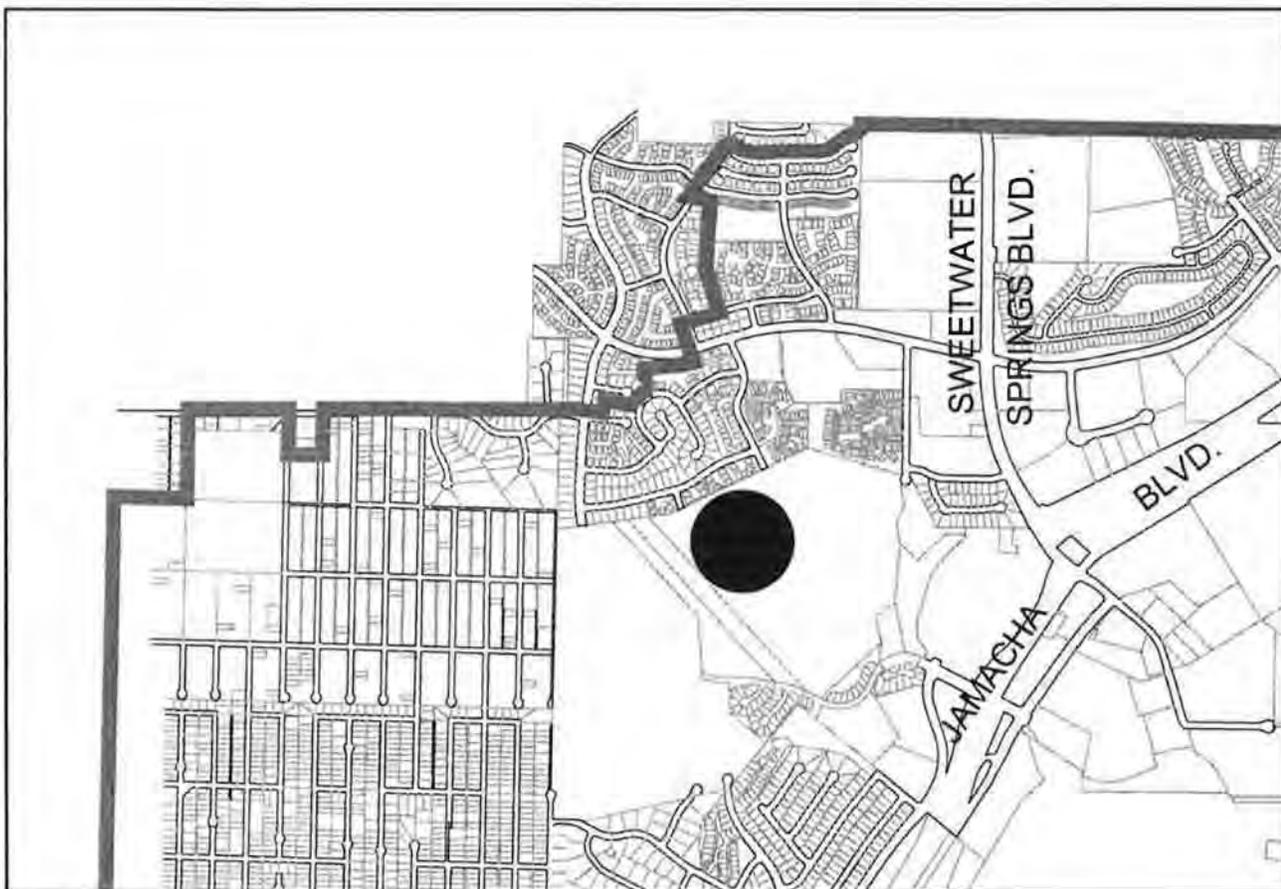
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	4/1/2016	7/29/2016	\$20
DESIGN:	8/1/2016	10/5/2016	\$65
CONSTRUCTION:	10/6/2016	12/31/2019	\$985

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 317



Submitted By: Jolene Fielding

Date: 5/10/2016

PROJECT TITLE: 980-1 Reservoir Interior Exterior Coating

CIP Number: P2545

PROJECT MANAGER: Kevin Cameron

DIRECTOR DIVISION: 5

ORIGINAL APPROVED DATE:

I.D. LOCATION: 22

RELATED CIP PROJECTS: P2546

PRIORITY: 2

BUDGET AMOUNT: \$1,495,000

DESCRIPTION OF PROJECT:

This project is for the interior and exterior coating of the 980-1 Reservoir. In addition, an assessment of the facility will be accomplished to assure compliance to all applicable codes and OSHA standards.

JUSTIFICATION OF PROJECT:

Based upon the 2013 Cathodic Assessment Report, the 980-1 Reservoir interior and exterior coatings are nearing the end of their useful life and are in need of replacement.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$1,065	\$330	\$50	\$50	\$0	\$0	\$1,495

CIP Number: P2545

PROJECT SCHEDULE:

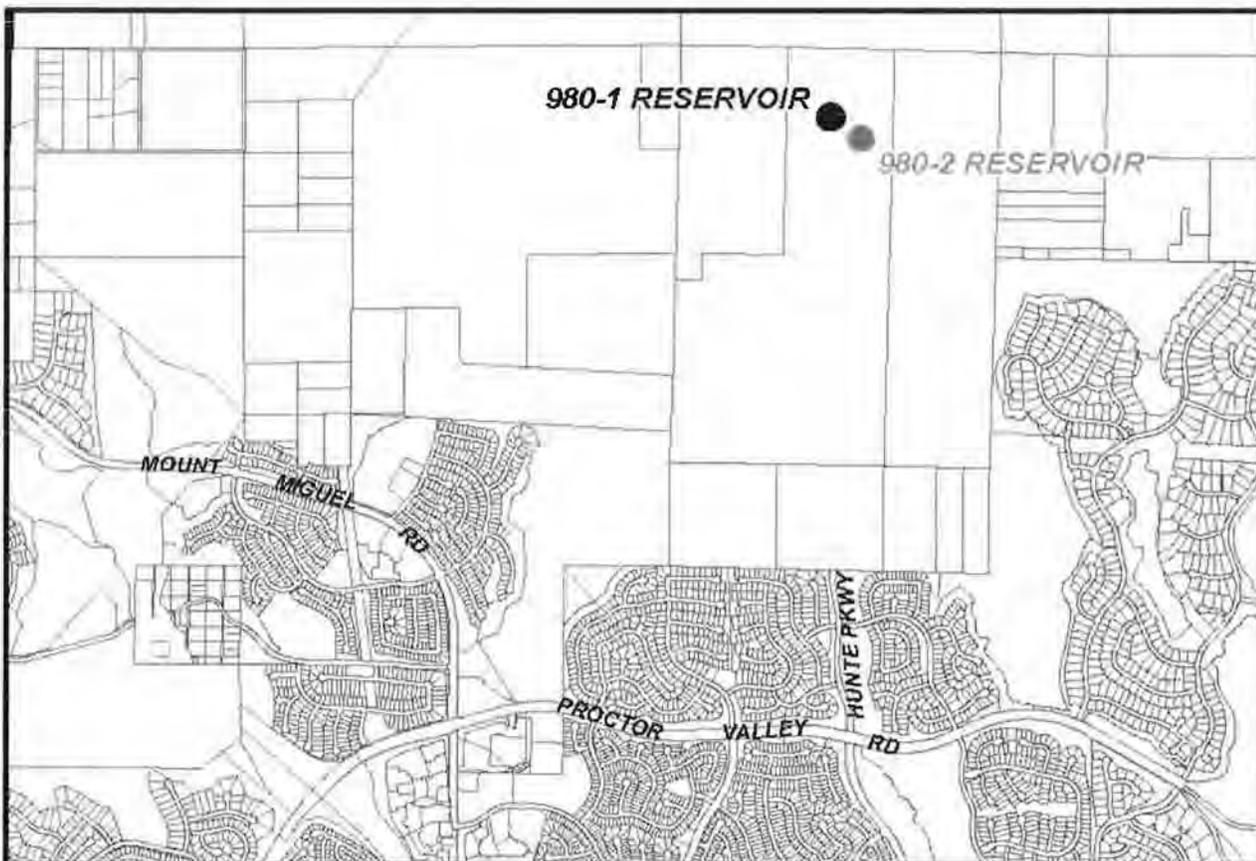
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	1/1/2015	6/30/2015	\$10
DESIGN:	7/1/2015	2/29/2016	\$85
CONSTRUCTION:	3/1/2016	12/31/2016	\$1,400

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Jolene Fielding

Date: 5/10/2016

PROJECT TITLE: 980-2 Reservoir Interior/Exterior Coating		CIP Number: P2546						
		DIRECTOR DIVISION:	5					
PROJECT MANAGER:	Kevin Cameron	I.D. LOCATION:	22					
ORIGINAL APPROVED DATE:		PRIORITY:	2					
RELATED CIP PROJECTS:	P2545	BUDGET AMOUNT:	\$1,450,000					
DESCRIPTION OF PROJECT:								
<p>This project is for the interior and exterior coating of the 980-2 Reservoir. In addition, an assessment of the facility will be accomplished to assure compliance to all applicable codes and OSHA standards.</p>								
JUSTIFICATION OF PROJECT:								
<p>Based upon the current Cathodic Assessment Report, the interior and exterior coatings on the 980-2 Reservoir are nearing the end of their useful life and are in need of replacement.</p>								
COMMENTS:								
FUND DETAILS:								
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total			
Replacement	0 %	0 %	100 %	0 %	100 %			
TOTAL:	0 %	0 %	100 %	0 %	100 %			
EXPENDITURE SCHEDULE (X \$1,000):								
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY	
TOTAL	2017	2018	2019	2020	2021	2022	Total	
	\$0	\$0	\$20	\$1,330	\$50	\$50	\$0	\$1,450

CIP Number: P2546

PROJECT SCHEDULE:

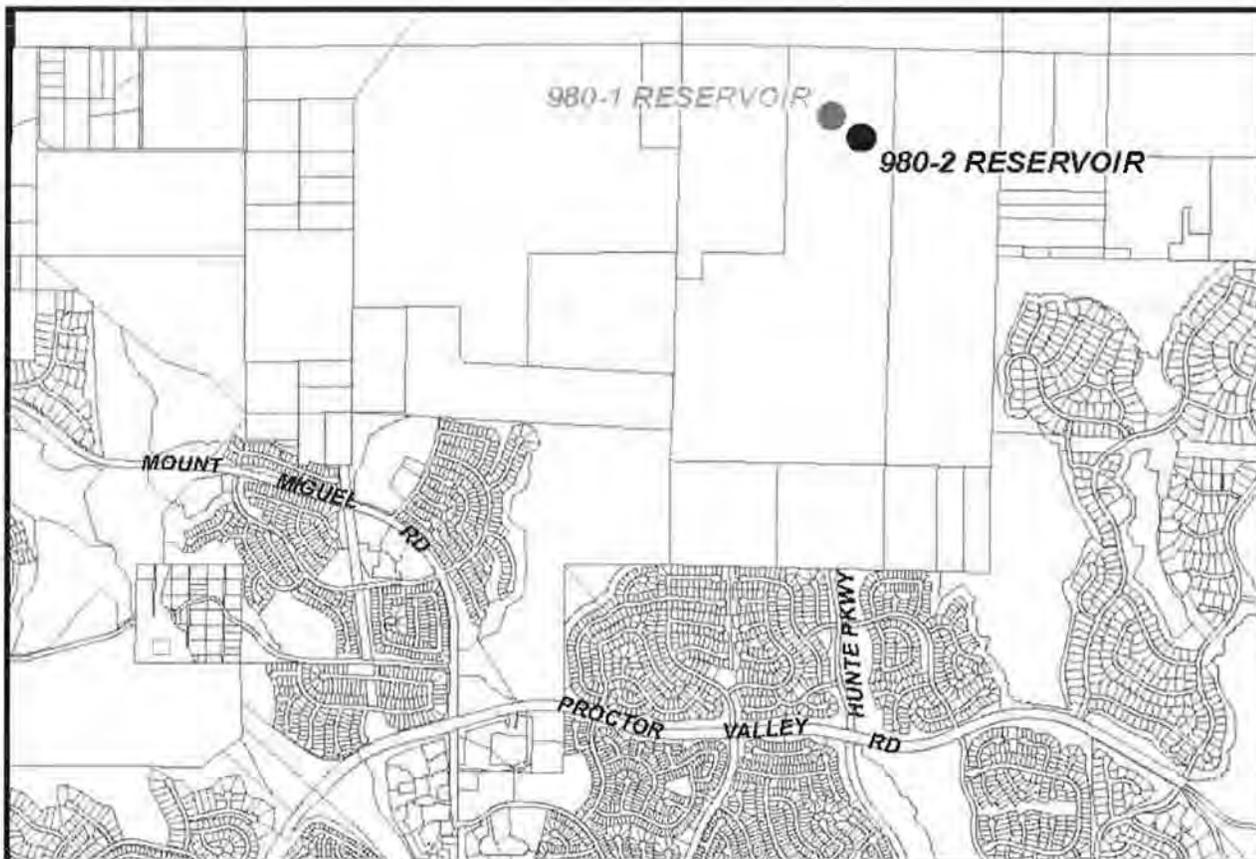
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	1/1/2018	6/30/2018	\$20
DESIGN:	7/1/2018	10/3/2018	\$60
CONSTRUCTION:	10/4/2018	6/30/2021	\$1,370

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Steve Beppler

Date: 4/21/2016

PROJECT TITLE: Administration and Operations Parking Lot Improvements

CIP Number: P2555

PROJECT MANAGER: Kevin Cameron

DIRECTOR DIVISION: 3

ORIGINAL APPROVED DATE:

I.D. LOCATION: 22

RELATED CIP PROJECTS:

PRIORITY: 2

BUDGET AMOUNT: \$500,000

DESCRIPTION OF PROJECT:

This project is for AC pavement repairs, slurry seal, re-striping and update area lighting improvements to existing Administration and Operations parking lots.

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$40	\$275	\$185	\$0	\$0	\$0	\$500

CIP Number: P2555

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	12/31/2015	\$20
DESIGN:	1/1/2016	12/31/2016	\$75
CONSTRUCTION:	1/1/2017	6/30/2018	\$405

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 318



Submitted By: Jolene Fielding

Date: 5/10/2016

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

CIP Number: P2557

PROJECT MANAGER: Stephen Beppler

DIRECTOR DIVISION: 5

ORIGINAL APPROVED DATE:

I.D. LOCATION: 22

RELATED CIP PROJECTS:

PRIORITY: 1

BUDGET AMOUNT: \$100,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

Planning and start of design in FY 2016. Complete design and construction of replacement ammonia feed lines proposed in FY 2017.

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$10	\$50	\$35	\$5	\$0	\$0	\$100

CIP Number: P2557

PROJECT SCHEDULE:

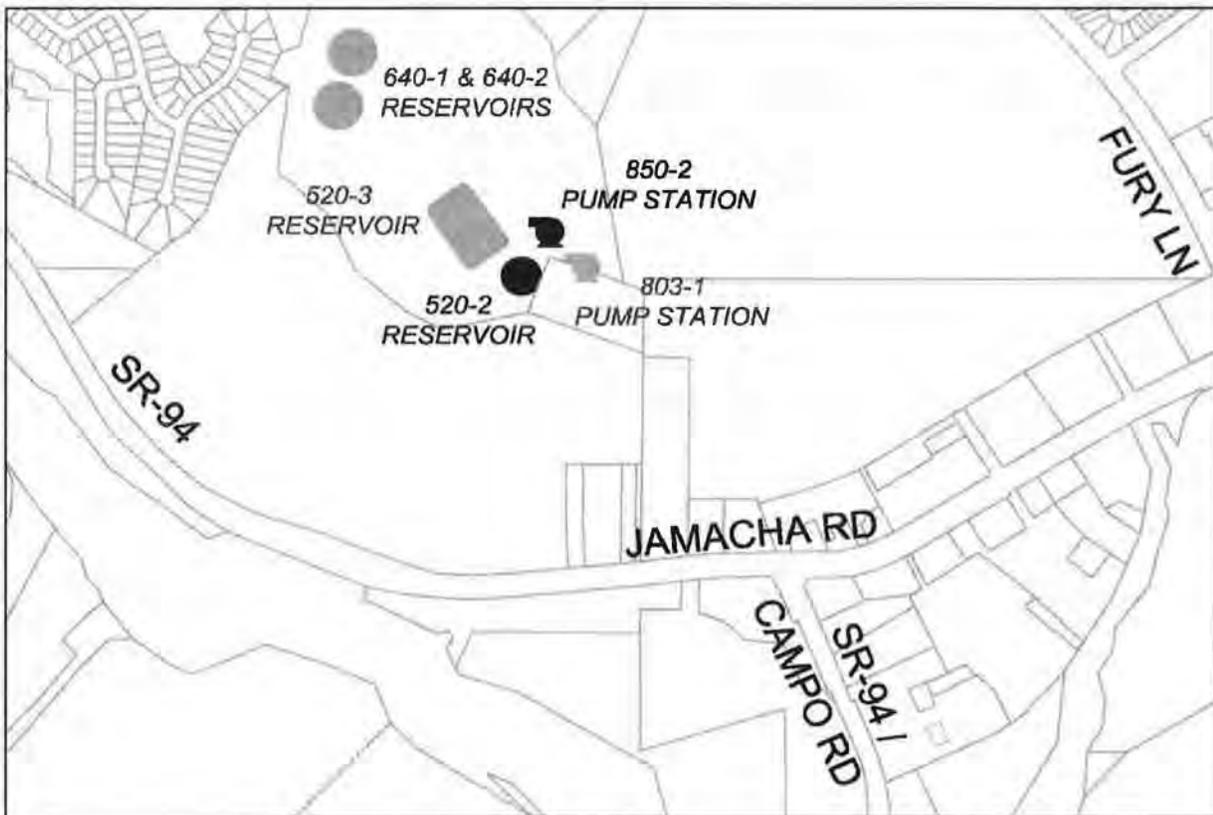
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	6/30/2016	\$5
DESIGN:	4/1/2016	12/30/2016	\$25
CONSTRUCTION:	1/2/2017	6/30/2019	\$70

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 343



Submitted By: Jolene Fielding

Date: 5/10/2016

PROJECT TITLE: Pressure Vessel Repair and Replacement Program

CIP Number: P2559

DIRECTOR DIVISION: 0

PROJECT MANAGER: Jeff Marchioro

I.D. LOCATION: District Wide

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$650,000

DESCRIPTION OF PROJECT:

This project will repair, coat, and/or replace entirely the pressure vessel interiors and exteriors and appurtenances for the District's potable and recycled water distribution systems including (13) thirteen existing steel pressure vessels and five (5) hydropneumatic and eight (8) surge tanks of various ages. Pressure vessel interiors and exteriors and appurtenances will be repaired, coated, and/or replaced entirely. Permanent or portable stairs or ladders will be provided as well.

JUSTIFICATION OF PROJECT:

Pressure vessels are a key component of thirteen (13) existing District pump stations. Routine inspection by qualified professionals, and follow up repair and/or replacement, are needed to extend the life expectancy of each pressure vessel and associated pump station facility.

COMMENTS:

Increased overall CIP budget to account for total replacement of Vista Diego hydropneumatic tank and adding access to the pressure vessels.

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	2017	2018	2019	2020	2021	2022	Total
	\$30	\$65	\$125	\$125	\$125	\$55	\$650

CIP Number: P2559

PROJECT SCHEDULE:

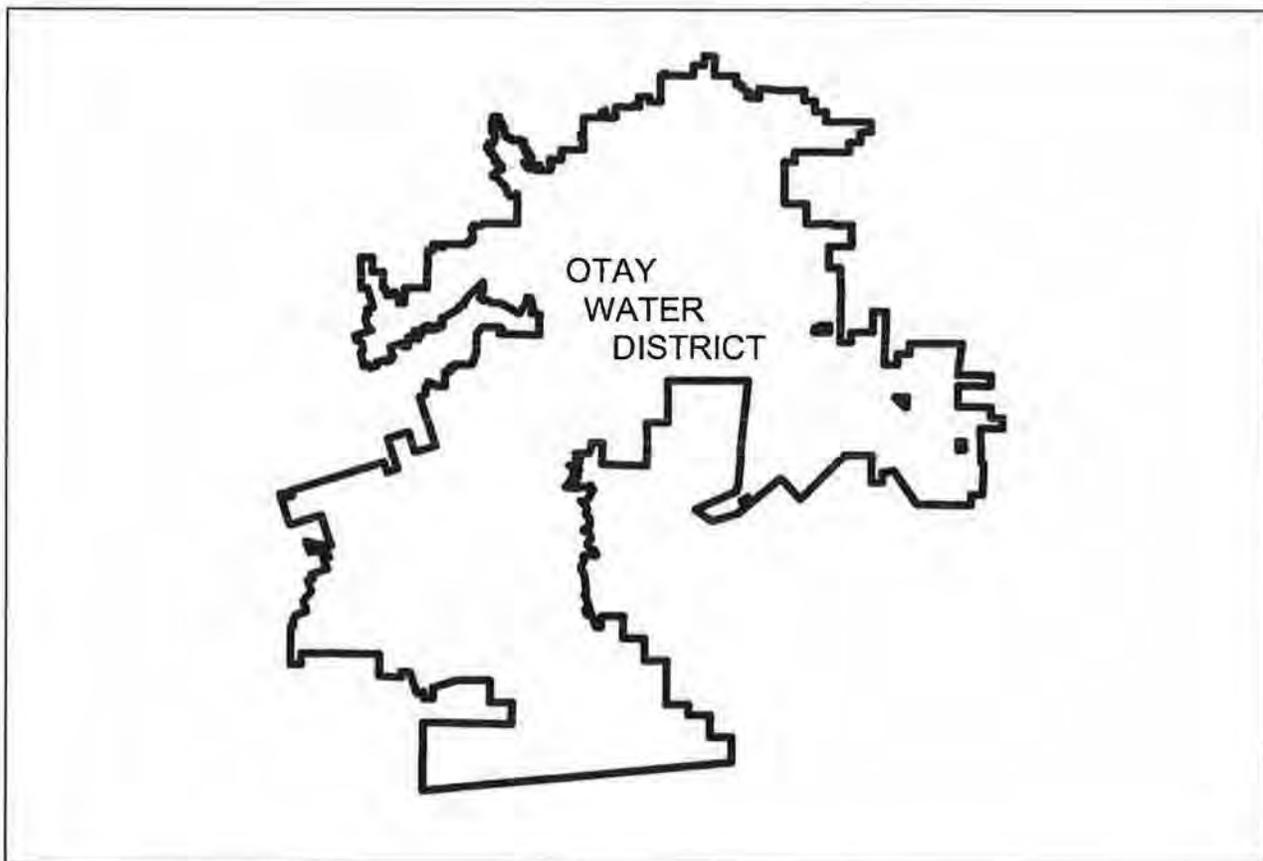
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	12/31/2016	\$10
DESIGN:	1/1/2016	12/31/2021	\$50
CONSTRUCTION:	3/1/2016	6/30/2022	\$590

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/10/2016

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

CIP Number: P2561

PROJECT MANAGER: Jeff Marchioro

DIRECTOR DIVISION: 5

ORIGINAL APPROVED DATE:

I.D. LOCATION: 22/27

RELATED CIP PROJECTS:

PRIORITY: 2

BUDGET AMOUNT: \$1,800,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY							
TOTAL	2017	2018	2019	2020	2021	2022	Total	
	\$0	\$1	\$4	\$95	\$1,700	\$0	\$0	\$1,800

CIP Number: P2561

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	9/30/2018	\$10
DESIGN:	10/1/2018	6/30/2019	\$90
CONSTRUCTION:	7/1/2019	6/30/2020	\$1,700

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Steve Beppler

Date: 4/21/2016

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

CIP Number: P2562

PROJECT MANAGER: Jeff Marchioro

DIRECTOR DIVISION: 2

ORIGINAL APPROVED DATE:

I.D. LOCATION: 22

RELATED CIP PROJECTS:

PRIORITY: 2

BUDGET AMOUNT: \$2,600,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY							
TOTAL	2017	2018	2019	2020	2021	2022	Total	
	\$0	\$90	\$2,500	\$5	\$5	\$0	\$0	\$2,600

CIP Number: P2562

PROJECT SCHEDULE:

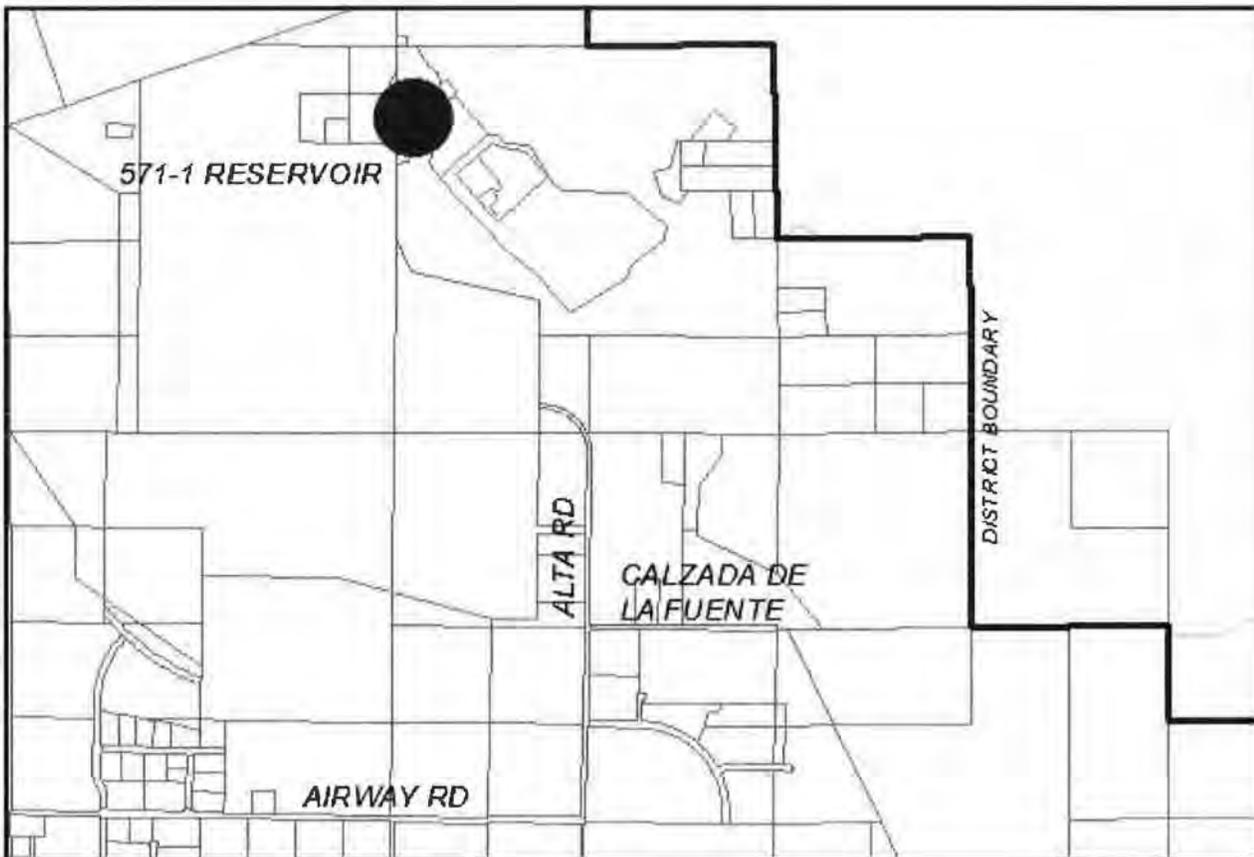
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	8/31/2016	\$10
DESIGN:	9/1/2016	7/31/2017	\$100
CONSTRUCTION:	8/1/2017	6/30/2020	\$2,490

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Steve Beppler

Date: 4/21/2016

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

CIP Number: P2563

PROJECT MANAGER: Jeff Marchioro

DIRECTOR DIVISION: 2

ORIGINAL APPROVED DATE:

I.D. LOCATION: 22

RELATED CIP PROJECTS:

PRIORITY: 3

BUDGET AMOUNT: \$1,000,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$0	\$1	\$9	\$90	\$899	\$0	\$1,000

CIP Number: P2563

PROJECT SCHEDULE:

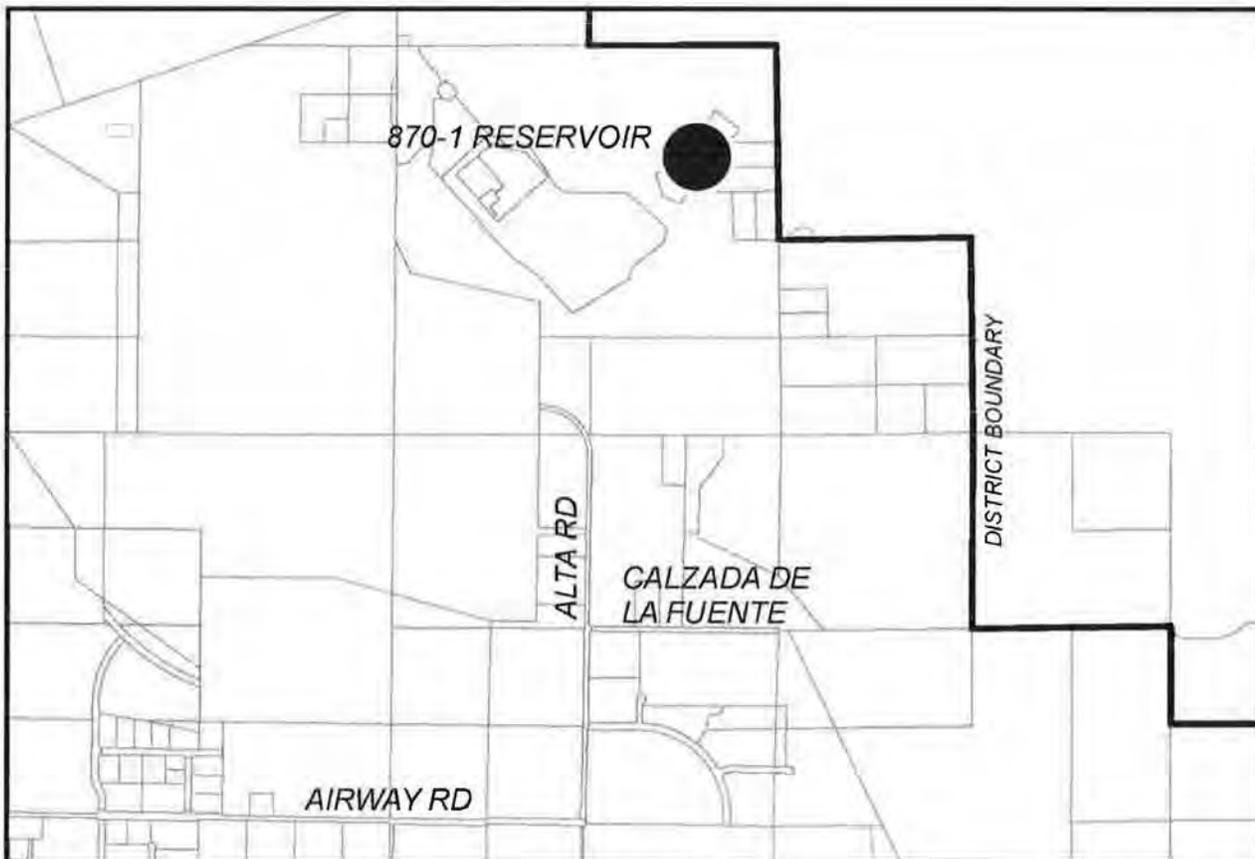
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	4/30/2019	\$10
DESIGN:	5/1/2019	9/30/2020	\$100
CONSTRUCTION:	10/1/2020	6/30/2021	\$890

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Steve Beppler

Date: 4/21/2016

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

CIP Number: P2565

PROJECT MANAGER: Kevin Cameron

DIRECTOR DIVISION: 5

ORIGINAL APPROVED DATE:

I.D. LOCATION: 22

RELATED CIP PROJECTS:

PRIORITY: 2

BUDGET AMOUNT: \$940,000

DESCRIPTION OF PROJECT:

This project is for the interior and exterior coating of the 803-2 Reservoir. In addition, an assessment of the facility will be accomplished to assure compliance to all applicable codes and OSHA standards.

JUSTIFICATION OF PROJECT:

Based upon the 2013 Cathodic Assessment Report, the 803-2 Reservoir interior and exterior coatings are near the end of their useful life and in need of replacement.

COMMENTS:

Budget increased from \$725K to \$940K to reflect recent bid prices and anticipated structural repairs that have been encountered on many of the tanks recently recoated.

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	2017	2018	2019	2020	2021	2022	Total
	\$0	\$0	\$20	\$820	\$50	\$50	\$940

CIP Number: P2565

PROJECT SCHEDULE:

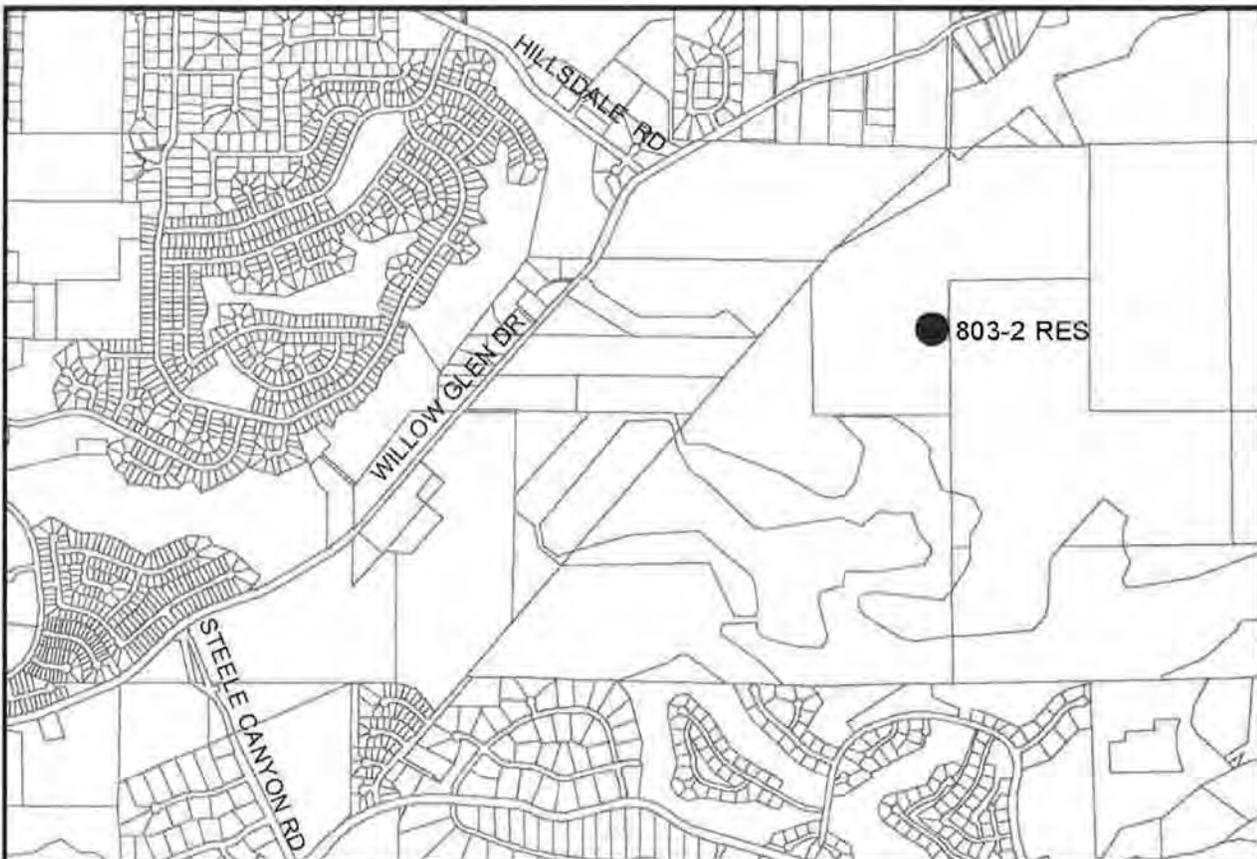
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	1/1/2019	6/30/2019	\$20
DESIGN:	7/1/2019	10/2/2019	\$70
CONSTRUCTION:	10/3/2019	6/30/2022	\$850

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 357



Submitted By: Steve Beppler

Date: 4/21/2016

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

CIP Number: P2566

PROJECT MANAGER: Kevin Cameron

DIRECTOR DIVISION: 5

ORIGINAL APPROVED DATE:

I.D. LOCATION: 22

RELATED CIP PROJECTS:

PRIORITY: 3

BUDGET AMOUNT: \$1,500,000

DESCRIPTION OF PROJECT:

This project is for the interior and exterior coating of the 520-2 Reservoir. In addition, an assessment of the facility will be accomplished to assure compliance to all applicable codes and OSHA standards.

JUSTIFICATION OF PROJECT:

Based upon the 2013 Cathodic Assessment Report, the 520-2 Reservoir interior and exterior coatings are at the end of their useful life and in need of replacement.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$0	\$0	\$0	\$20	\$1,380	\$100	\$1,500

CIP Number: P2566

PROJECT SCHEDULE:

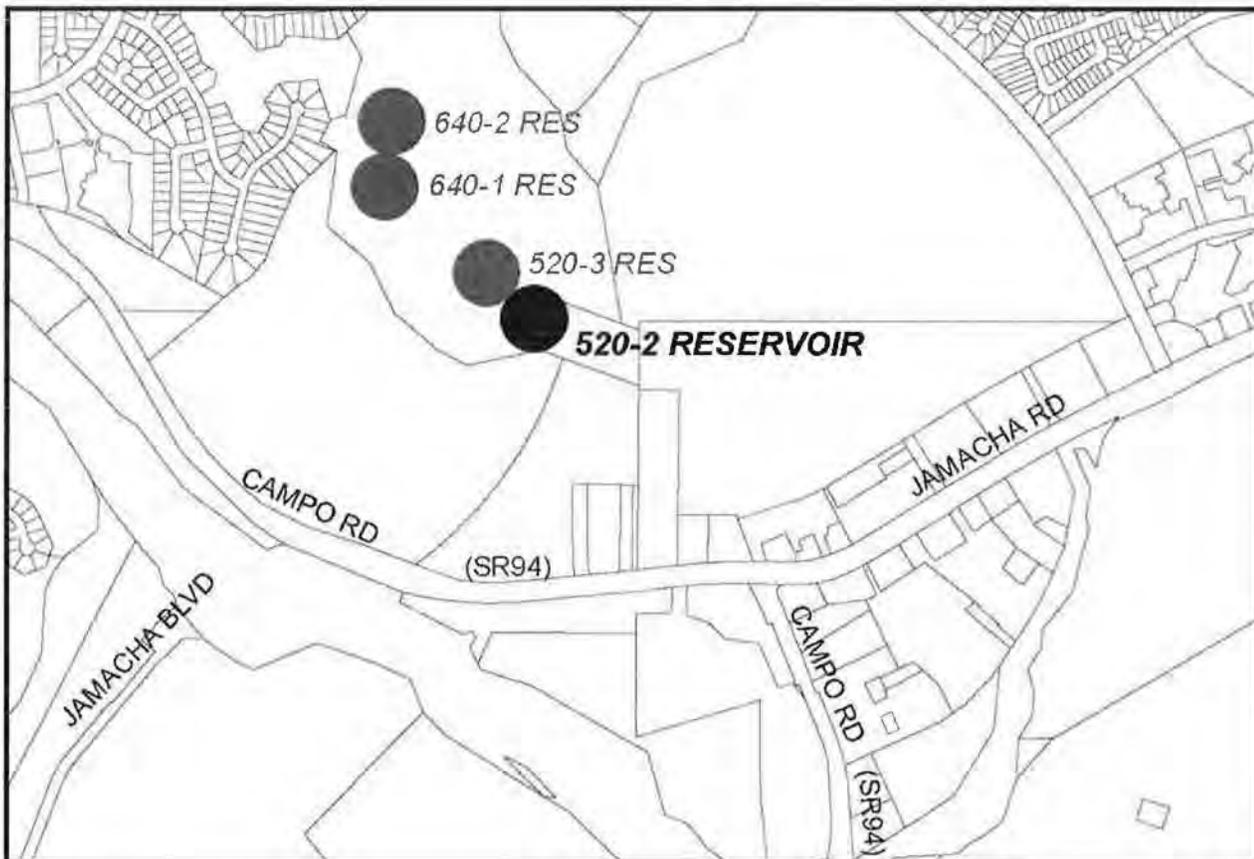
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	1/3/2020	6/30/2020	\$20
DESIGN:	7/1/2020	10/7/2020	\$70
CONSTRUCTION:	10/8/2020	6/30/2022	\$1,410

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 343



Submitted By: Steve Beppler

Date: 4/21/2016

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

CIP Number: P2567

PROJECT MANAGER: Kevin Cameron

DIRECTOR DIVISION: 3

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 3

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$905,000

DESCRIPTION OF PROJECT:

This project is for the interior and exterior coating of the 1004-2 Reservoir. In addition, an assessment of the facility will be accomplished to assure compliance to all applicable codes and OSHA standards.

JUSTIFICATION OF PROJECT:

Based upon the 2013 Cathodic Assessment Report, the 1004-2 Reservoir interior and exterior coatings are at the end of their useful life and in need of replacement.

COMMENTS:

Budget increased from \$565K to \$905K to reflect recent bid prices and anticipated structural repairs that have been encountered on many of the tanks recently recoated.

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	2017	2018	2019	2020	2021	2022	Total
	\$0	\$0	\$0	\$0	\$20	\$885	\$905

CIP Number: P2567

PROJECT SCHEDULE:

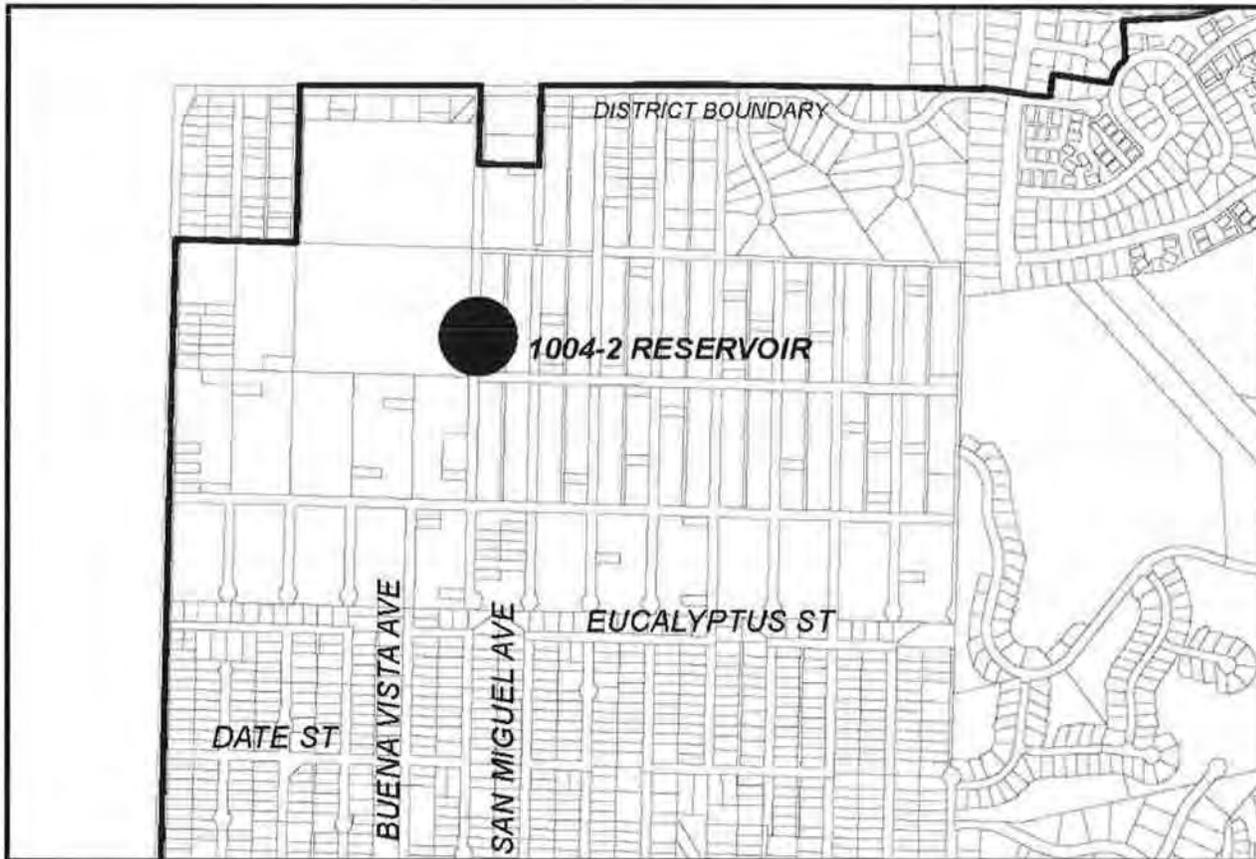
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	1/4/2021	6/30/2021	\$20
DESIGN:	7/1/2021	10/5/2021	\$60
CONSTRUCTION:	10/6/2021	6/30/2022	\$825

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 316



Submitted By: Steve Beppler

Date: 4/21/2016

PROJECT TITLE: PL - 12-Inch Pipeline Replacement, 803 Zone, Hillsdale Road

CIP Number: P2573

DIRECTOR DIVISION: 5

PROJECT MANAGER: Jeff Marchioro

I.D. LOCATION:

ORIGINAL APPROVED DATE:

PRIORITY: 1

RELATED CIP PROJECTS: P2573.B

BUDGET AMOUNT: \$1,750,000

DESCRIPTION OF PROJECT:

This project is for the replacement of approximately 4,000 feet of 12-inch potable water main within the 803 Pressure Zones in Hillsdale Road. The County has a CIP to re-pave Hillsdale Road after the pipeline replacement project is complete.

JUSTIFICATION OF PROJECT:

This project will replace thin wall, 1959 era, steel pipe of the originally constructed under as-built number 01-03. Two of the original four miles of thin wall steel pipe have been already replaced through separate CIP and developer projects. The remaining 2.1 miles of pipe has developed several water main breaks, including catastrophic failures due to semi-localized coating failures and severe corrosion of the thin wall steel can.

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	2017	2018	2019	2020	2021	2022	Total	
	\$0	\$180	\$225	\$1,365	\$0	\$0	\$0	\$1,750

CIP Number: P2573

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2016	10/15/2016	\$90
DESIGN:	10/1/2016	1/12/2018	\$160
CONSTRUCTION:	1/16/2018	3/1/2019	\$1,500

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: 356



Submitted By: Jolene Fielding

Date: 5/10/2016

PROJECT TITLE: PL - 12-Inch and 14-inch Pipeline Replacement, 803 and 978 Zone, Vista Grande, Pence Drive

CIP Number: P2574

PROJECT MANAGER:	Jeff Marchioro	DIRECTOR DIVISION:	5
ORIGINAL APPROVED DATE:		I.D. LOCATION:	
RELATED CIP PROJECTS:	P2573	PRIORITY:	2
		BUDGET AMOUNT:	\$2,750,000

DESCRIPTION OF PROJECT:

This project is for the replacement of approximately 0.6 miles of 12-inch and 0.7 miles of 14-inch potable water main within the 803 and 978 Pressure Zones in Vista Grande Road, Pence Drive, Vista Vereda, and easements on private property.

JUSTIFICATION OF PROJECT:

This project will replace all remaining thin wall, 1959 era, steel pipe of the originally constructed under as-built number 01-03. Two of the original four miles of thin wall steel pipe have been already replaced through separate CIP and developer projects. The remaining 2.1 miles of pipe has developed several watermain breaks including catastrophic failures due to semi-localized coating failures and severe corrosion of the thin wall steel can.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$0	\$50	\$100	\$275	\$400	\$1,925	\$0
							\$2,750

CIP Number: P2574

PROJECT SCHEDULE:

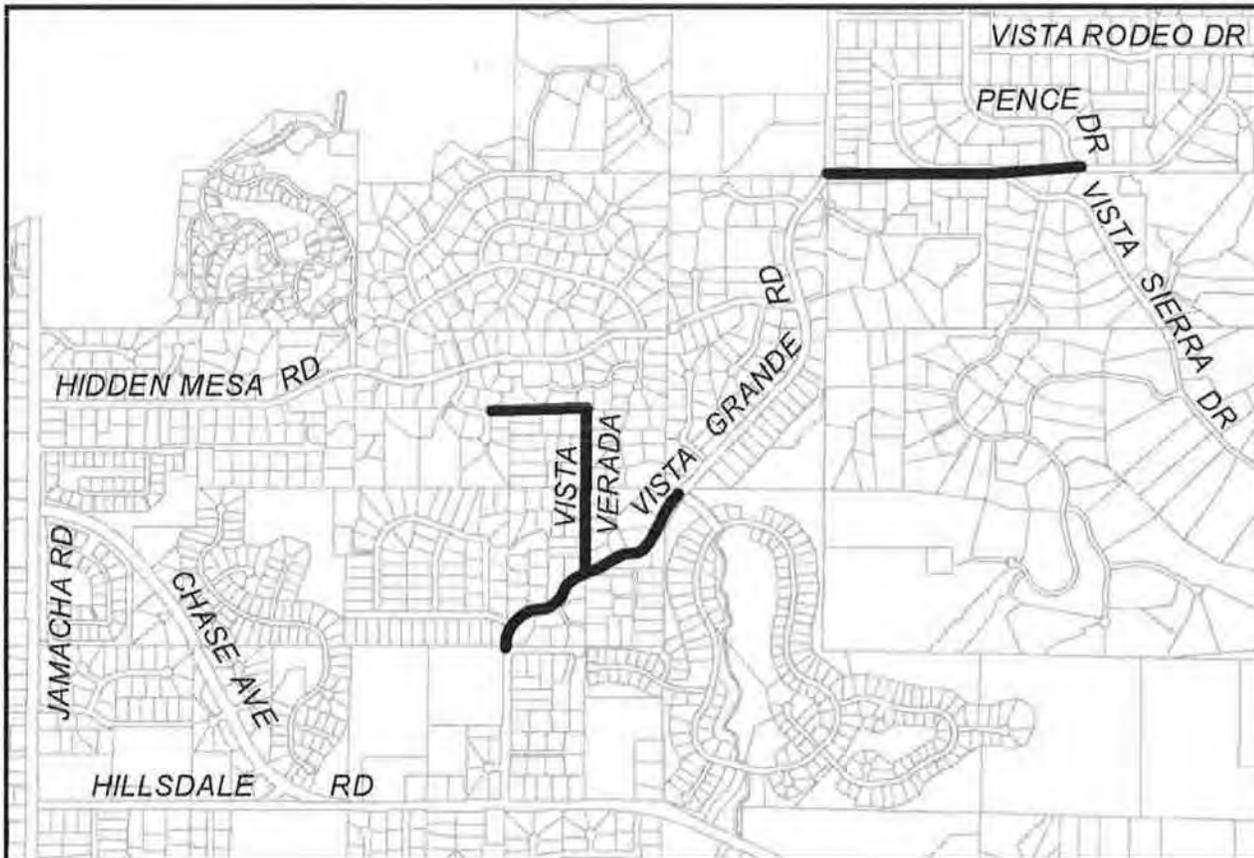
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2016	12/31/2018	\$250
DESIGN:	1/1/2019	12/31/2019	\$300
CONSTRUCTION:	1/1/2020	6/30/2021	\$2,200

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: 368, 369, 378



Submitted By: Jolene Fielding

Date: 4/19/2016

PROJECT TITLE: PS - 711-2 (PS 711-1 Replacement and Expansion) - 14,000 gpm

CIP Number: P2578

DIRECTOR DIVISION: 1

PROJECT MANAGER: Jeff Marchioro

I.D. LOCATION:

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS: P2473

BUDGET AMOUNT: \$6,600,000

DESCRIPTION OF PROJECT:

This project is for the construction of a new Pump Station to replace the existing Pump Station.

JUSTIFICATION OF PROJECT:

The existing Pump Station was de-rated in 2010 to resolve vibration and cavitation issues.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$0	\$0	\$0	\$350	\$3,200	\$3,050	\$6,600

CIP Number: P2578

PROJECT SCHEDULE:

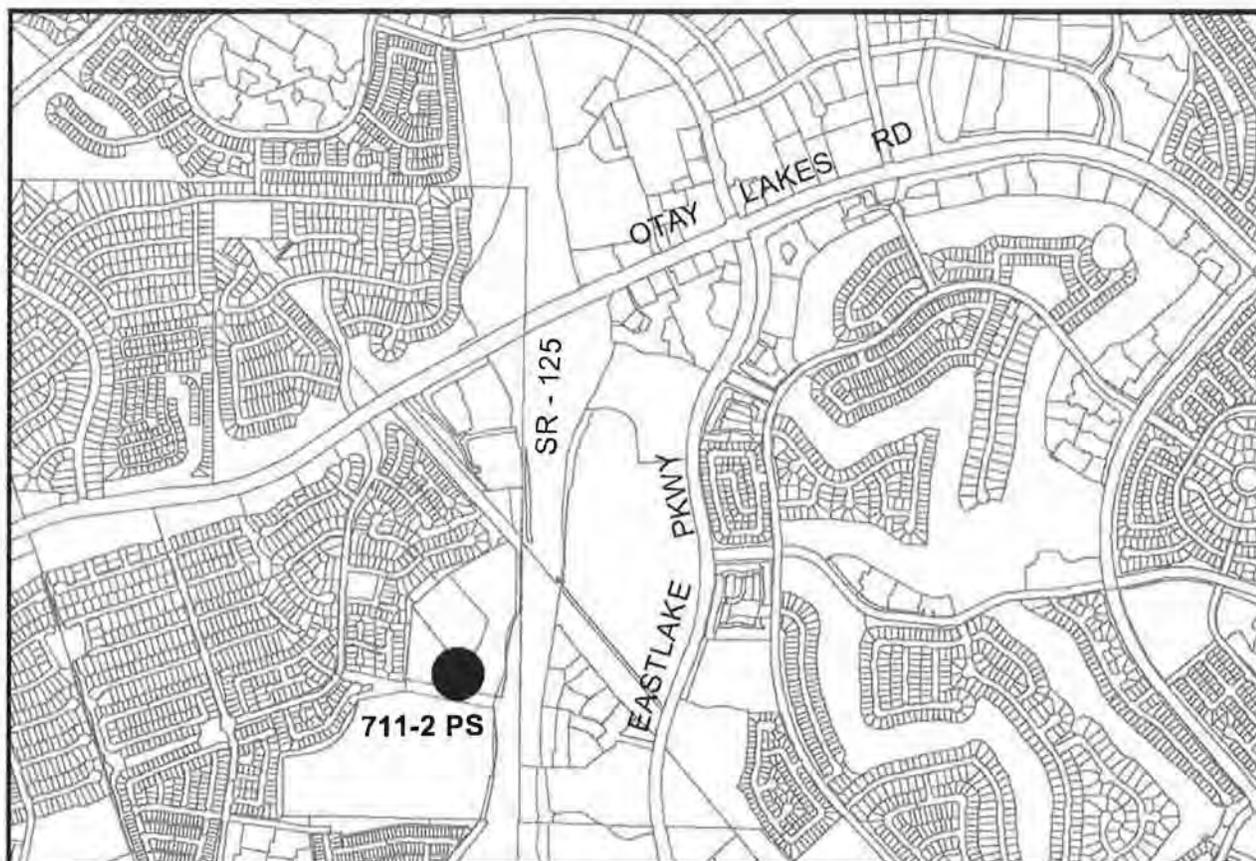
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2019	9/30/2019	\$50
DESIGN:	10/1/2019	9/30/2020	\$550
CONSTRUCTION:	10/1/2020	6/30/2022	\$6,000

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Steve Beppler

Date: 4/21/2016

PROJECT TITLE: Temporary Lower Otay Pump Station Improvements

CIP Number: P2579

PROJECT MANAGER: Stephen Beppler

DIRECTOR DIVISION: 1

ORIGINAL APPROVED DATE:

I.D. LOCATION: 7

RELATED CIP PROJECTS: P2258

PRIORITY: 1

BUDGET AMOUNT: \$140,000

DESCRIPTION OF PROJECT:

This project is for the replacement of a 30-inch flow meter and adjoining piping due to internal deterioration as well as the addition of a security system as this installation is not currently so equipped.

JUSTIFICATION OF PROJECT:

Meter and pipe are in need of replacement and the station does not have a security system.

COMMENTS:

Station is typically used during the annual CWA aqueduct shutdown in spring. Replacement should be completed by Spring 2017.

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$0	\$140	\$0	\$0	\$0	\$0	\$140

CIP Number: P2579

PROJECT SCHEDULE:

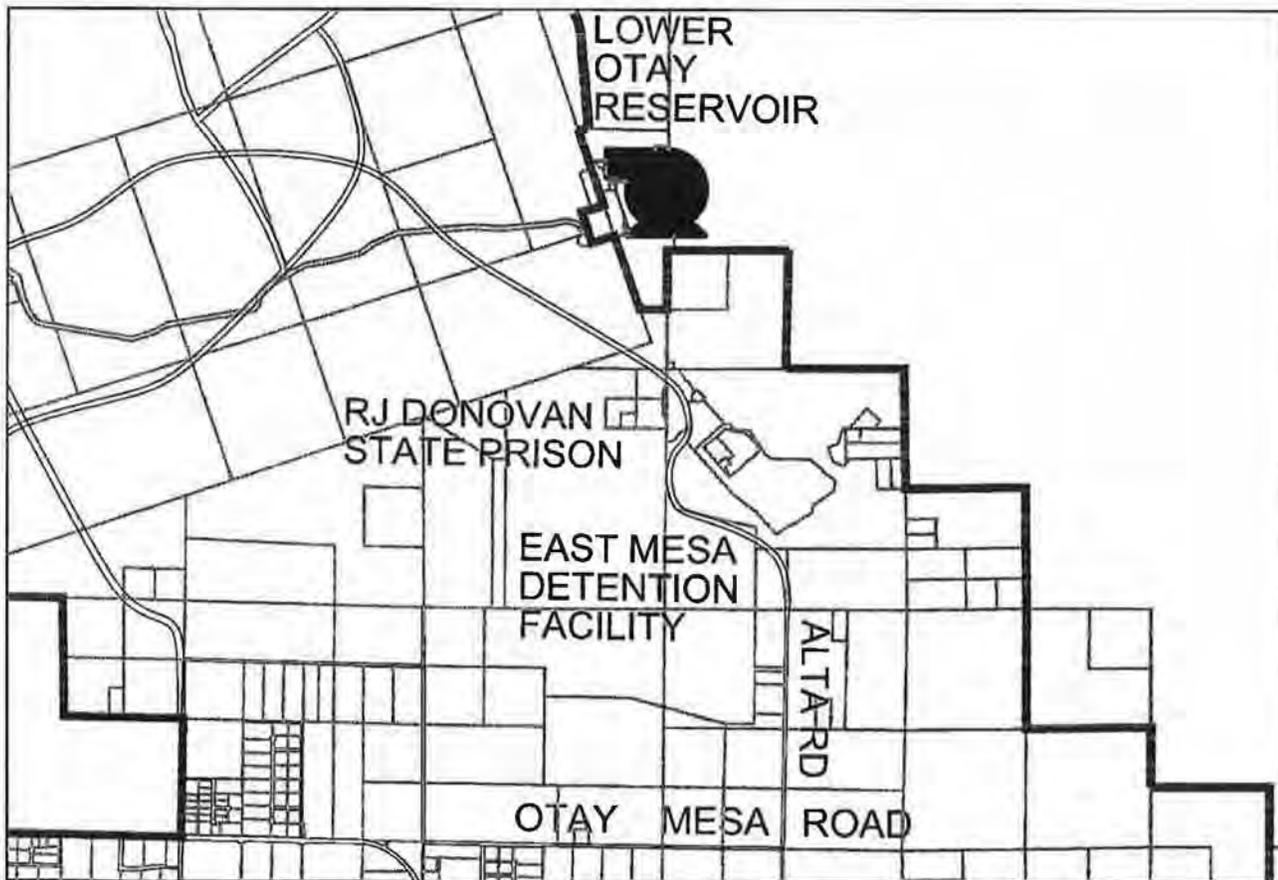
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:	7/1/2016	10/31/2016	\$25
CONSTRUCTION:	11/1/2016	6/30/2017	\$115

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: 70



Submitted By: Jolene Fielding

Date: 4/19/2016

PROJECT TITLE: East H Street Bike Lane Utility Coordination

CIP Number: P2592

DIRECTOR DIVISION: 255

PROJECT MANAGER: Stephen Beppler

I.D. LOCATION:

ORIGINAL APPROVED DATE:

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$50,000

DESCRIPTION OF PROJECT:

This project is for the relocation of conflicting District facilities. The City of Chula Vista is constructing a bike lane along East H Street from Buena Vista Way to the Southwestern College entrance.

JUSTIFICATION OF PROJECT:

District facilities are located within the City of Chula Vista right-of-way, requiring the District to move them as needed with improvements.

COMMENTS:

The City of Chula Vista has indicated construction will run from May 2016 to November 2016, with most of the District work needing to be completed before August 2016.

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$0	\$50	\$0	\$0	\$0	\$0	\$50

CIP Number: P2592

PROJECT SCHEDULE:

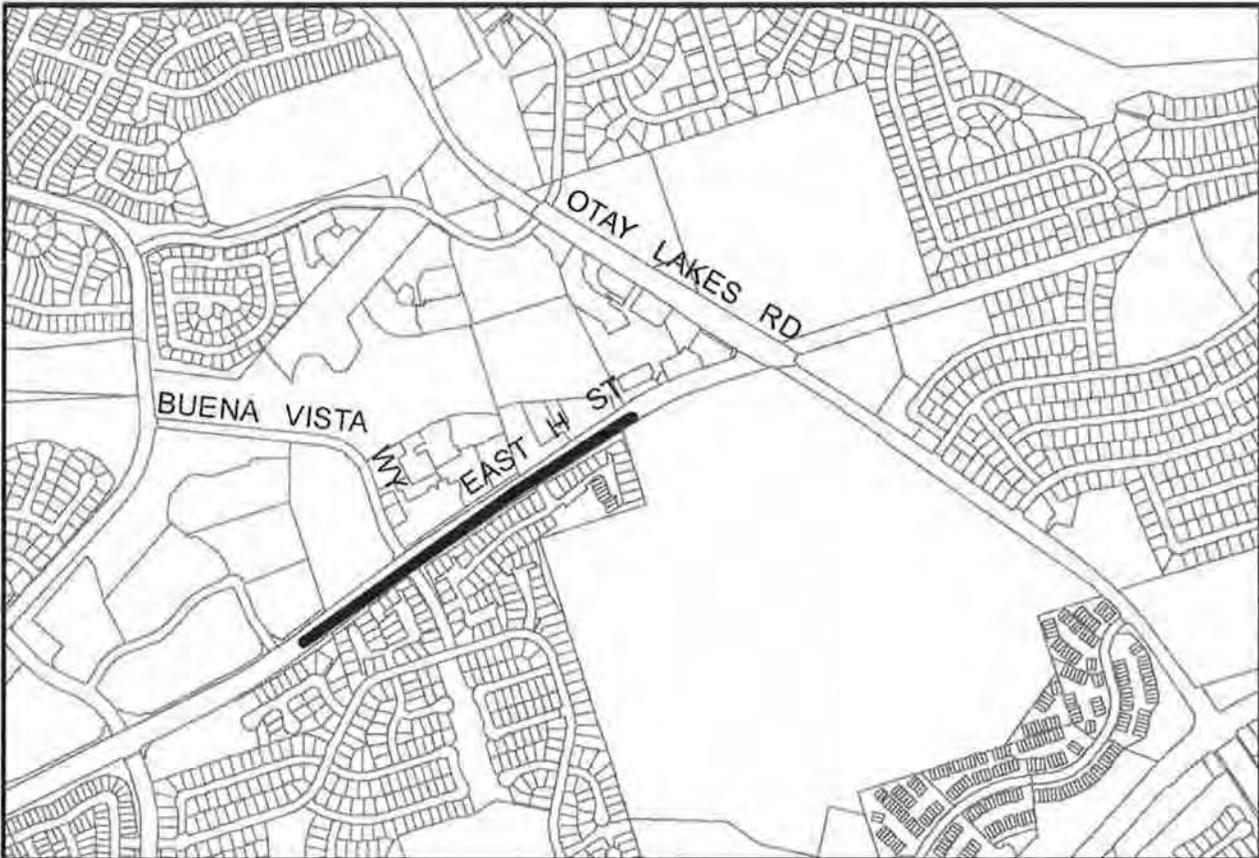
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2016	12/31/2016	\$50

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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 & 129



Submitted By: Jolene Fielding

Date: 4/19/2016

PROJECT TITLE: 458-1 Reservoir Interior/Exterior Coating & Upgrades

CIP Number: P2593

PROJECT MANAGER: Kevin Cameron

DIRECTOR DIVISION: 2

ORIGINAL APPROVED DATE:

I.D. LOCATION: 22

RELATED CIP PROJECTS:

PRIORITY: 2

BUDGET AMOUNT: \$840,000

DESCRIPTION OF PROJECT:

This project is for the interior and exterior coating of the 458-1 Reservoir. In addition, an assessment of the facility will be accomplished to assure compliance to all applicable codes and OSHA standards.

JUSTIFICATION OF PROJECT:

Based upon the 2013 Cathodic Assessment Report, the 458-1 Reservoir interior and exterior coatings are at the end of their useful life and in need of replacement.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$0	\$0	\$0	\$0	\$10	\$830	\$840

CIP Number: P2593

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$10
DESIGN:			\$50
CONSTRUCTION:			\$780

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Steve Beppler

Date: 4/21/2016

PROJECT TITLE: Large Meter Replacement		CIP Number: P2594					
PROJECT MANAGER: Andrea Carey		DIRECTOR DIVISION: 0					
ORIGINAL APPROVED DATE:		I.D. LOCATION:					
RELATED CIP PROJECTS:		PRIORITY: 1					
		BUDGET AMOUNT: \$485,000					
DESCRIPTION OF PROJECT:							
This project is for the replacement of water meters 3-inch or larger.							
JUSTIFICATION OF PROJECT:							
Of the 219 large meters in the ground, 105 are no longer repairable and must be replaced. Staff anticipates 97 of these meters will need to be replaced in the next three years.							
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	2017	2018	2019	2020	2021	2022	Total
	\$0	\$240	\$150	\$95	\$0	\$0	\$485

CIP Number: P2594

PROJECT SCHEDULE:

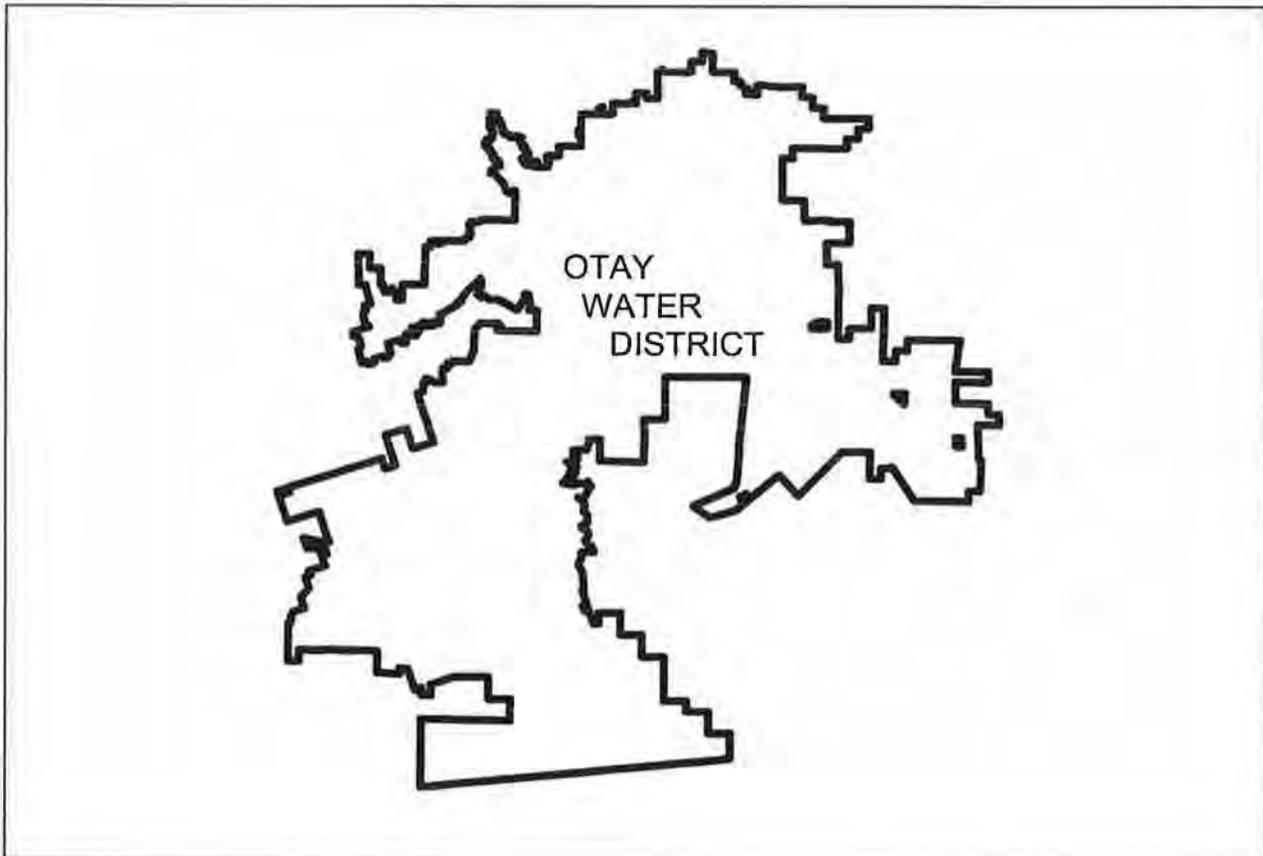
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2016	6/1/2019	\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2016	6/30/2019	\$485

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 4/19/2016

PROJECT TITLE: RWCWRF - RAS Pump Replacement

CIP Number: R2111

PROJECT MANAGER: Stephen Beppler

DIRECTOR DIVISION: 3

ORIGINAL APPROVED DATE: 5/14/2013

I.D. LOCATION: 22

RELATED CIP PROJECTS: R2096

PRIORITY: 1

BUDGET AMOUNT: \$570,000

DESCRIPTION OF PROJECT:

This project is to 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:

Project construction completed in FY 2016. Warranty work in FY 2017. Project can be closed out at end of FY 2017. Project budget reduced from \$600K to \$560K to reflect the project status.

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$555	\$10	\$5	\$0	\$0	\$0	\$570

CIP Number: R2111

PROJECT SCHEDULE:

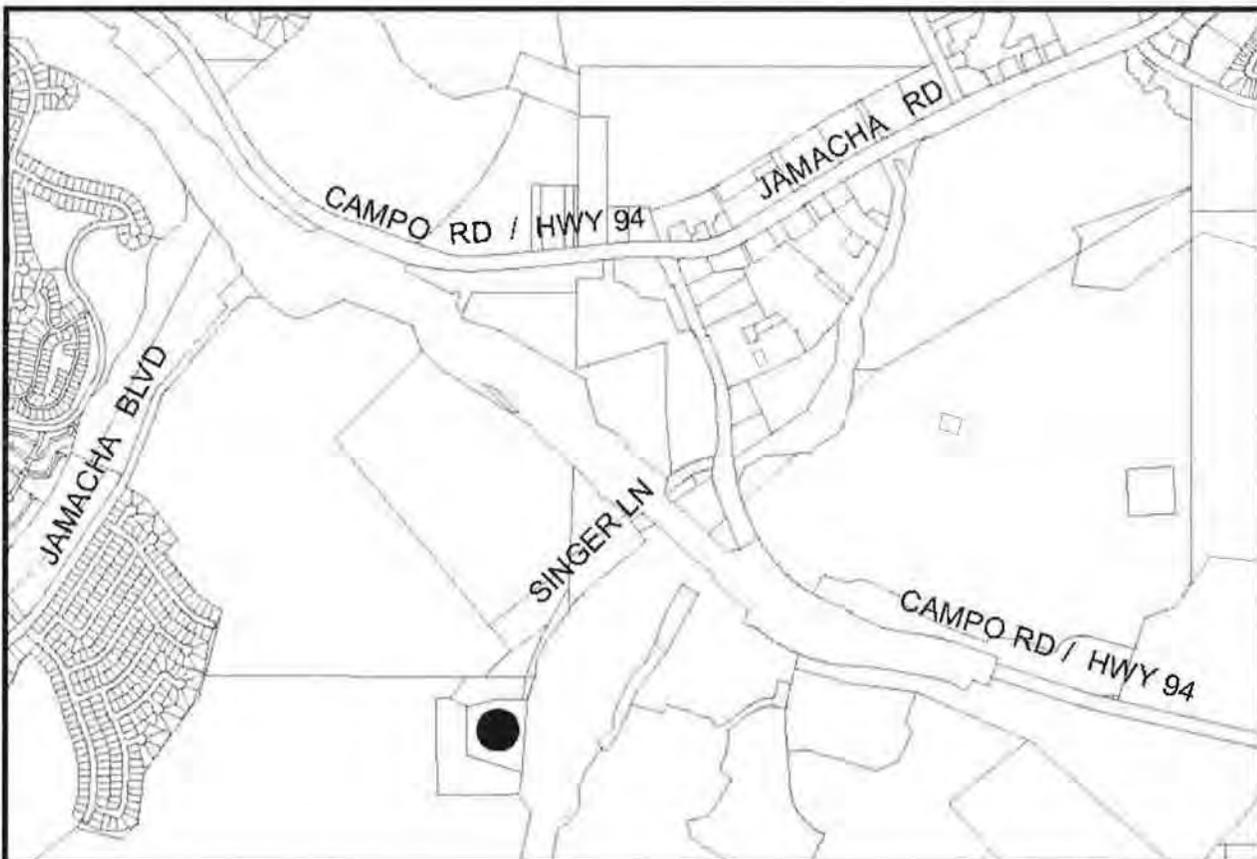
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2013	6/30/2014	\$10
DESIGN:	7/1/2014	6/30/2015	\$75
CONSTRUCTION:	7/1/2015	6/30/2018	\$485

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Steve Beppler

Date: 4/21/2016

PROJECT TITLE: 450-1 Disinfection Facility Rehabilitation

CIP Number: R2112

PROJECT MANAGER: Kevin Cameron

DIRECTOR DIVISION: 2

ORIGINAL APPROVED DATE:

I.D. LOCATION: 22

RELATED CIP PROJECTS:

PRIORITY: 1

BUDGET AMOUNT: \$265,000

DESCRIPTION OF PROJECT:

This project is for the replacement of the two (2) existing sodium hypochlorite tanks, relocate and replace the valves and piping on the existing sodium hypochlorite feed system, remove existing acoustic louver and replace with roll-up door.

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$215	\$25	\$0	\$0	\$0	\$0	\$265

CIP Number: R2112

PROJECT SCHEDULE:

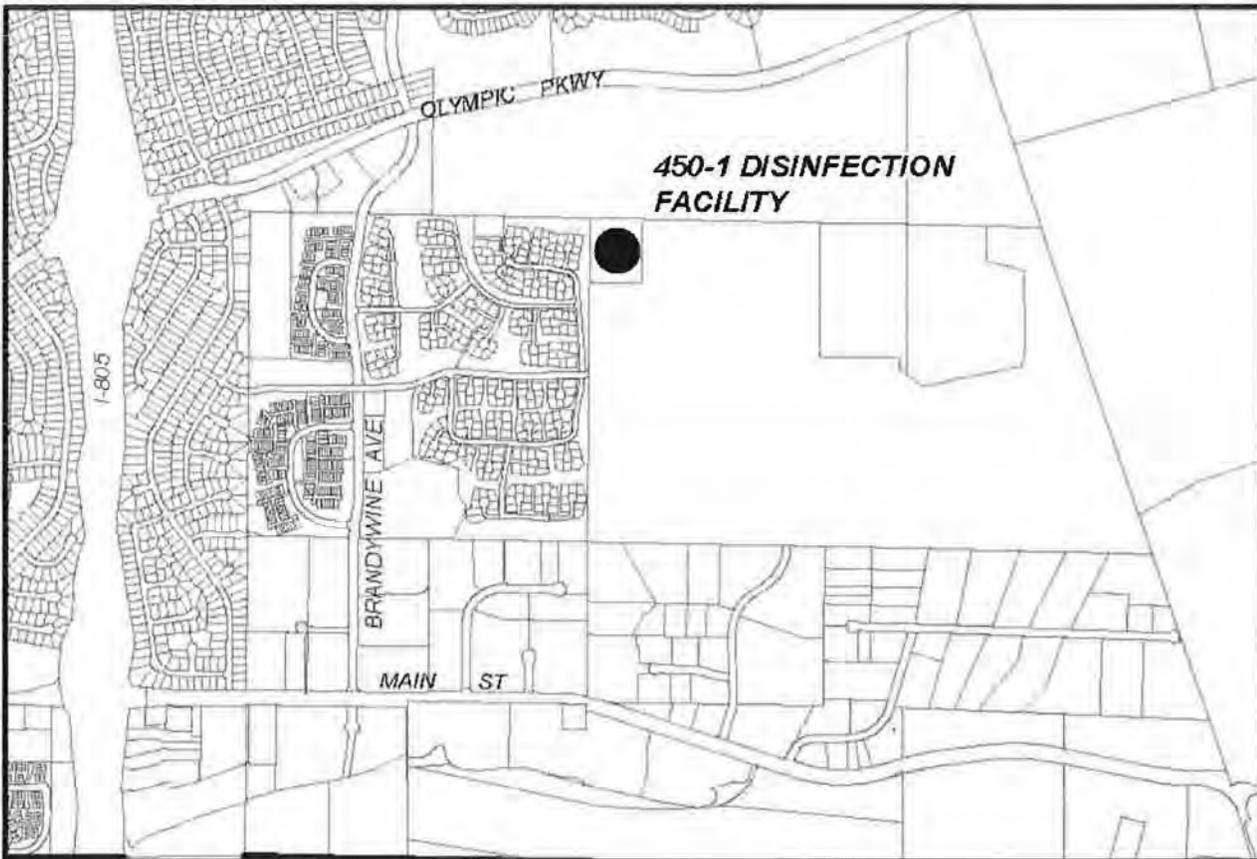
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2014	6/30/2014	\$5
DESIGN:	7/1/2014	6/30/2015	\$50
CONSTRUCTION:	7/1/2016	6/30/2018	\$210

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Steve Beppler

Date: 4/21/2016

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

CIP Number: R2121

PROJECT MANAGER: Jeff Marchioro

DIRECTOR DIVISION: 5

ORIGINAL APPROVED DATE:

I.D. LOCATION: 22

RELATED CIP PROJECTS:

PRIORITY: 2

BUDGET AMOUNT: \$1,400,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$20	\$1	\$30	\$1,348	\$0	\$0	\$1,400

CIP Number: R2121

PROJECT SCHEDULE:

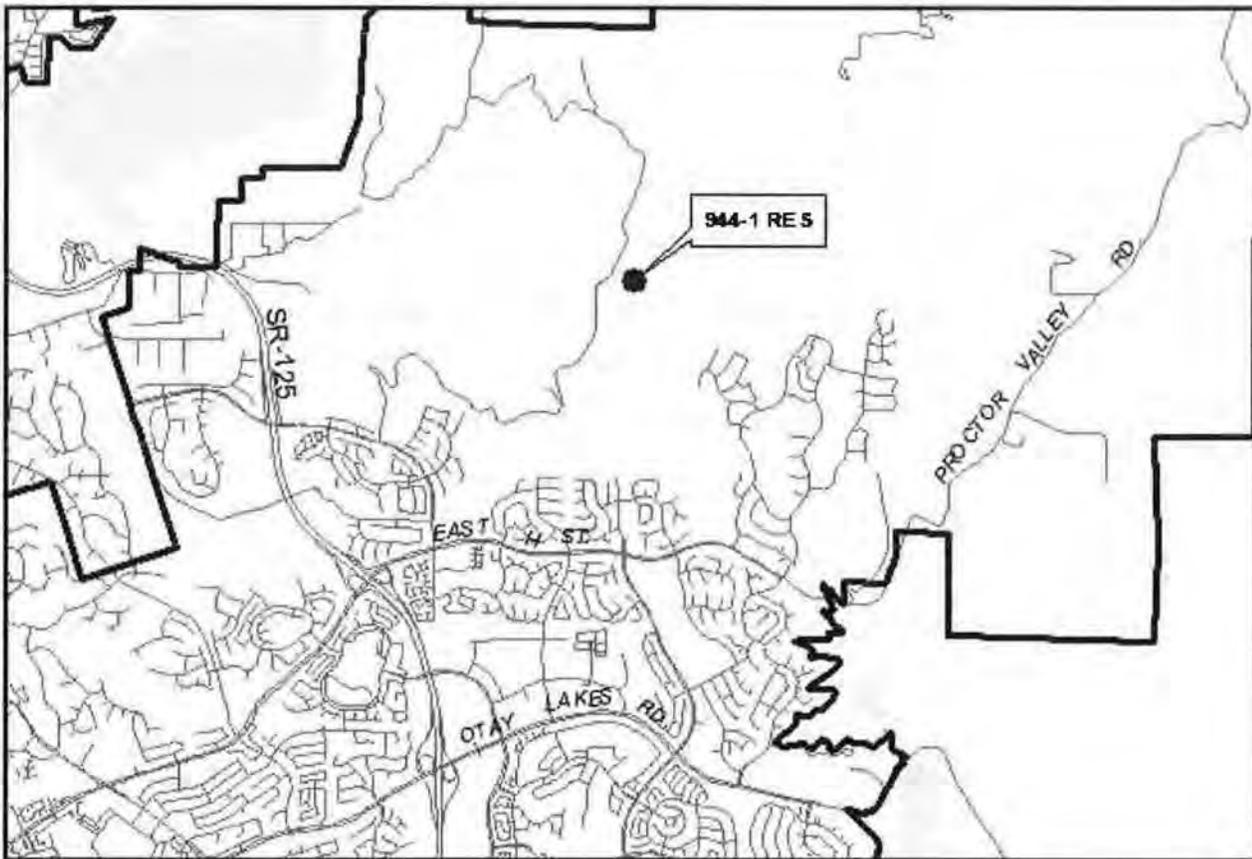
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	6/30/2016	\$10
DESIGN:	7/1/2016	9/30/2019	\$100
CONSTRUCTION:	10/1/2019	6/30/2020	\$1,290

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Steve Beppler

Date: 4/21/2016

PROJECT TITLE: Campo Road Sewer Main Replacement

CIP Number: S2024

PROJECT MANAGER: Stephen Beppler

DIRECTOR DIVISION: 3

ORIGINAL APPROVED DATE: 5/17/2010

I.D. LOCATION: 18

RELATED CIP PROJECTS:

PRIORITY: 1

BUDGET AMOUNT: \$8,500,000

DESCRIPTION OF PROJECT:

This project is 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 the 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:

Project design to be completed in FY 2016. Construction estimate is \$6.5M, with additional costs for administration, easements, inspection, and management bringing the estimate to \$7.3M (was previously estimated at \$4.5M). Projected construction costs throughout the design phase have consistently been between \$6-7M.

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	2017	2018	2019	2020	2021	2022	Total	
	\$1,200	\$50	\$4,750	\$2,500	\$0	\$0	\$0	\$8,500

CIP Number: S2024

PROJECT SCHEDULE:

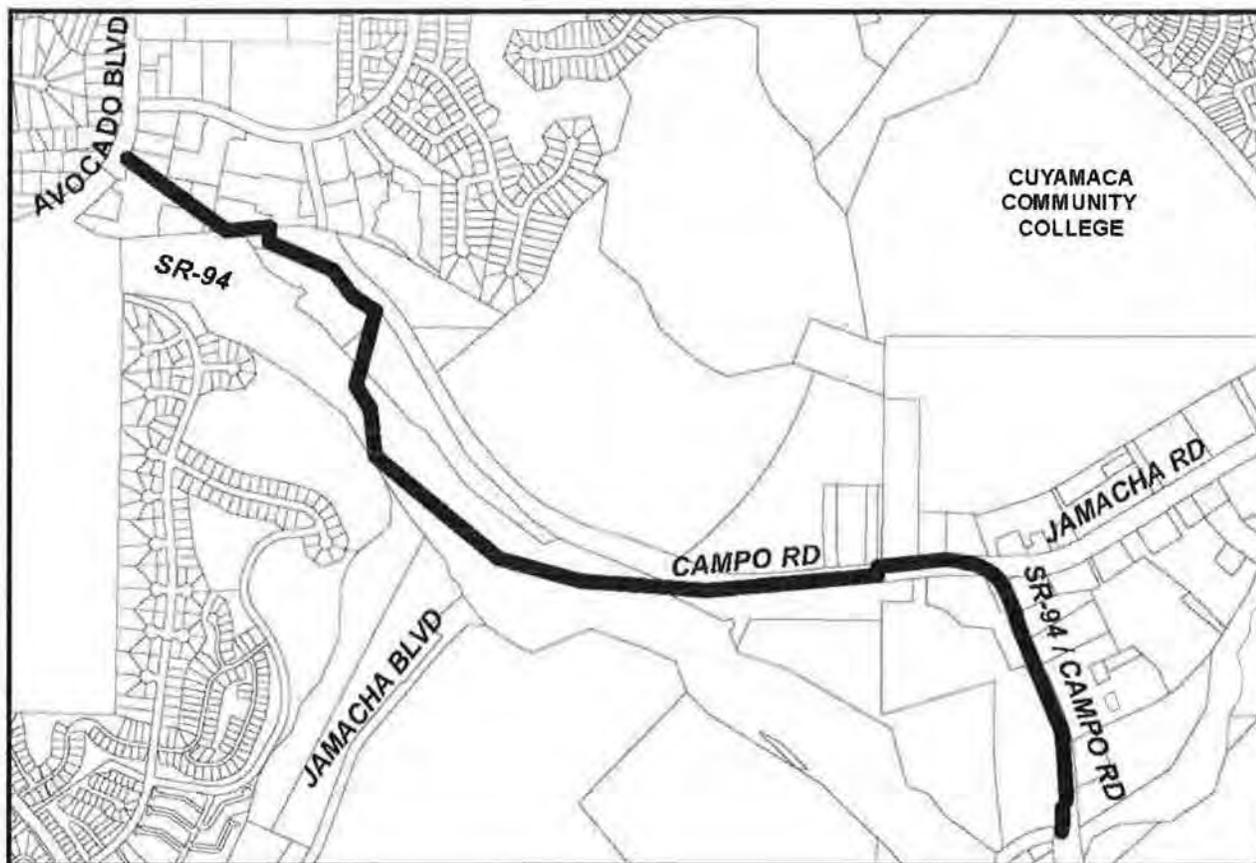
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2010	12/31/2014	\$160
DESIGN:	1/1/2015	6/30/2016	\$1,090
CONSTRUCTION:	7/1/2016	6/30/2018	\$7,250

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Jolene Fielding

Date: 5/10/2016

PROJECT TITLE: Trenchless Sewer Rehabilitation

CIP Number: S2044

DIRECTOR DIVISION: 5

PROJECT MANAGER: Stephen Beppler

I.D. LOCATION:

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$650,000

DESCRIPTION OF PROJECT:

This project is to repair sewer damage by trenchless repair methods at over 50 identified sewer sites. The planning and design for this project was begun under S2033 and is now separated out into its own project entity.

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:

Project planned to be bid and constructed in FY 2017.

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	2017	2018	2019	2020	2021	2022	Total
	\$0	\$600	\$50	\$0	\$0	\$0	\$650

CIP Number: S2044

PROJECT SCHEDULE:

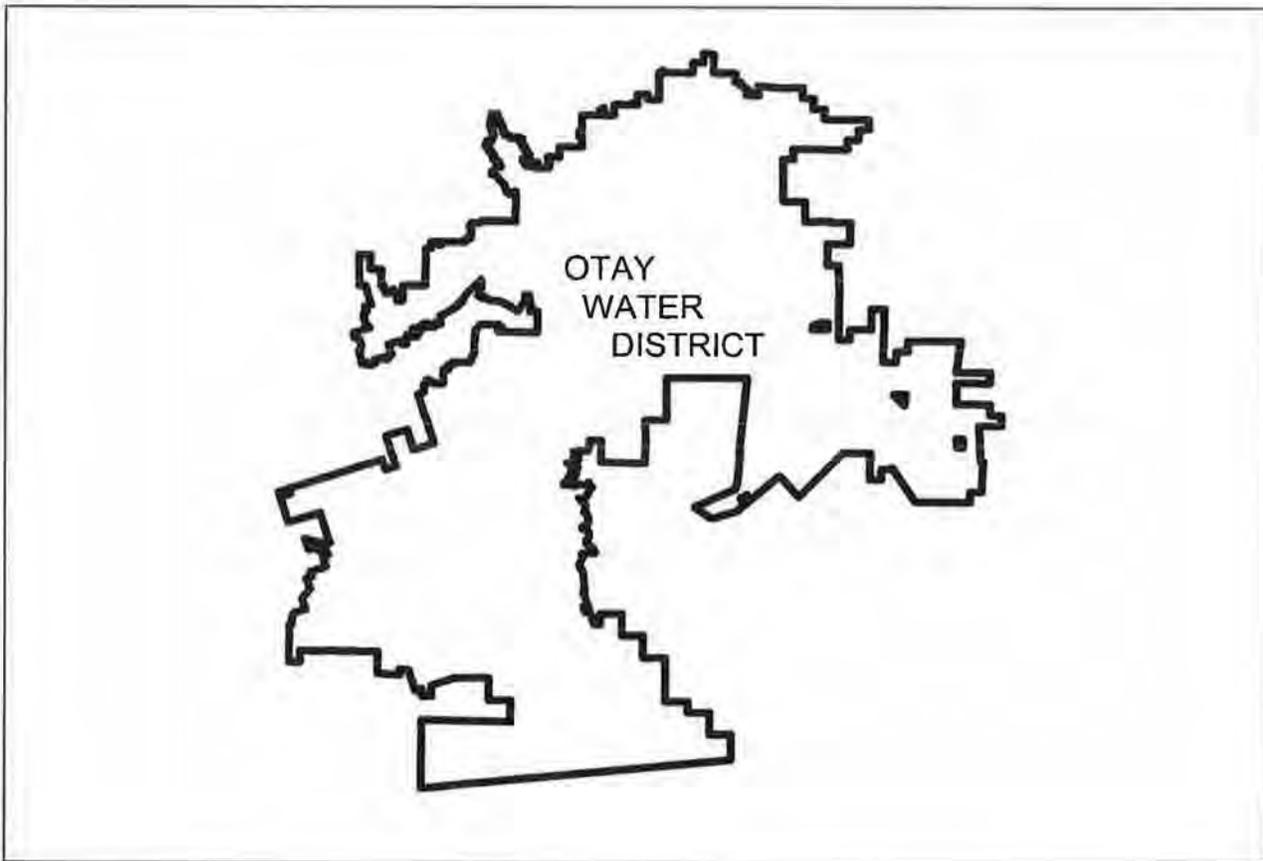
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:	7/1/2016	2/28/2017	\$50
CONSTRUCTION:	3/1/2017	6/30/2018	\$600

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Steve Beppler

Date: 4/21/2016

PROJECT TITLE: Fuerte Drive Sewer Relocation

CIP Number: S2045

PROJECT MANAGER: Stephen Beppler

DIRECTOR DIVISION: 5

ORIGINAL APPROVED DATE:

I.D. LOCATION:

RELATED CIP PROJECTS:

PRIORITY: 1

BUDGET AMOUNT: \$200,000

DESCRIPTION OF PROJECT:

This project is for the relocation of the Fuerte Drive Sewer Main. The County of San Diego is realigning a portion of Fuerte Drive in an area where the District has identified sewer Site 34 for rehabilitation. This design will be accelerated to enable the work to be completed in coordination with the County road work.

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:

Planning work has started under the S2033 project, from which this project is being taken from.

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$0	\$190	\$10	\$0	\$0	\$0	\$200

CIP Number: S2045

PROJECT SCHEDULE:

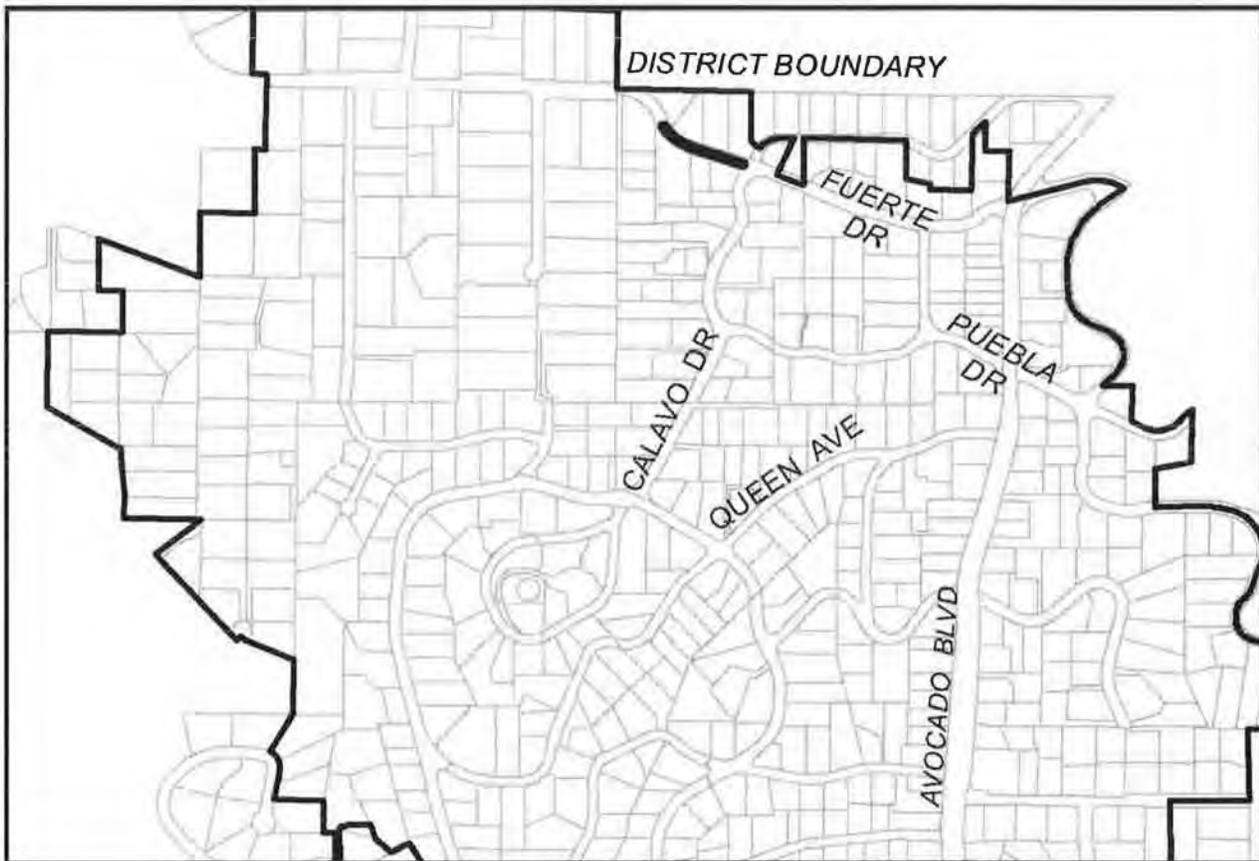
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2016	7/29/2016	\$5
DESIGN:	8/1/2016	3/31/2017	\$65
CONSTRUCTION:	4/3/2017	6/30/2018	\$130

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/10/2016

PROJECT TITLE:	RWCWRF - Aeration Panels Replacement	CIP Number:	S2046
PROJECT MANAGER:	Stephen Beppler	DIRECTOR DIVISION:	3
ORIGINAL APPROVED DATE:		I.D. LOCATION:	18
RELATED CIP PROJECTS:		PRIORITY:	1
		BUDGET AMOUNT:	\$450,000

DESCRIPTION OF PROJECT:

This project is for the replacement of aeration panels in 39 units to provide better air distribution at equal pressure. The existing aeration diffuser panels installed in the aeration basins are no longer being produced by the manufacturer and the facility has several panels in need of replacement. Options include manufacturer's retrofit with their currently offered panels or explore other alternative manufacturers. Each basin currently has 13 panels for a total of 39 units. Completion of the aeration header loop is also included to provide better air distribution at equal pressure.

JUSTIFICATION OF PROJECT:

Failures of existing aeration diffuser panels require replacement immediately.

COMMENTS:

Recommend panel replacement be perform in a two-step process. Retrofit of one basin at first will enable the functional panels from that basin to be used as replacements in the other basins. This will allow for assessment of the operation of the new panels prior to implementing in all basins.

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	2017	2018	2019	2020	2021	2022	Total	
	\$0	\$250	\$100	\$100	\$0	\$0	\$0	\$450

CIP Number: S2046

PROJECT SCHEDULE:

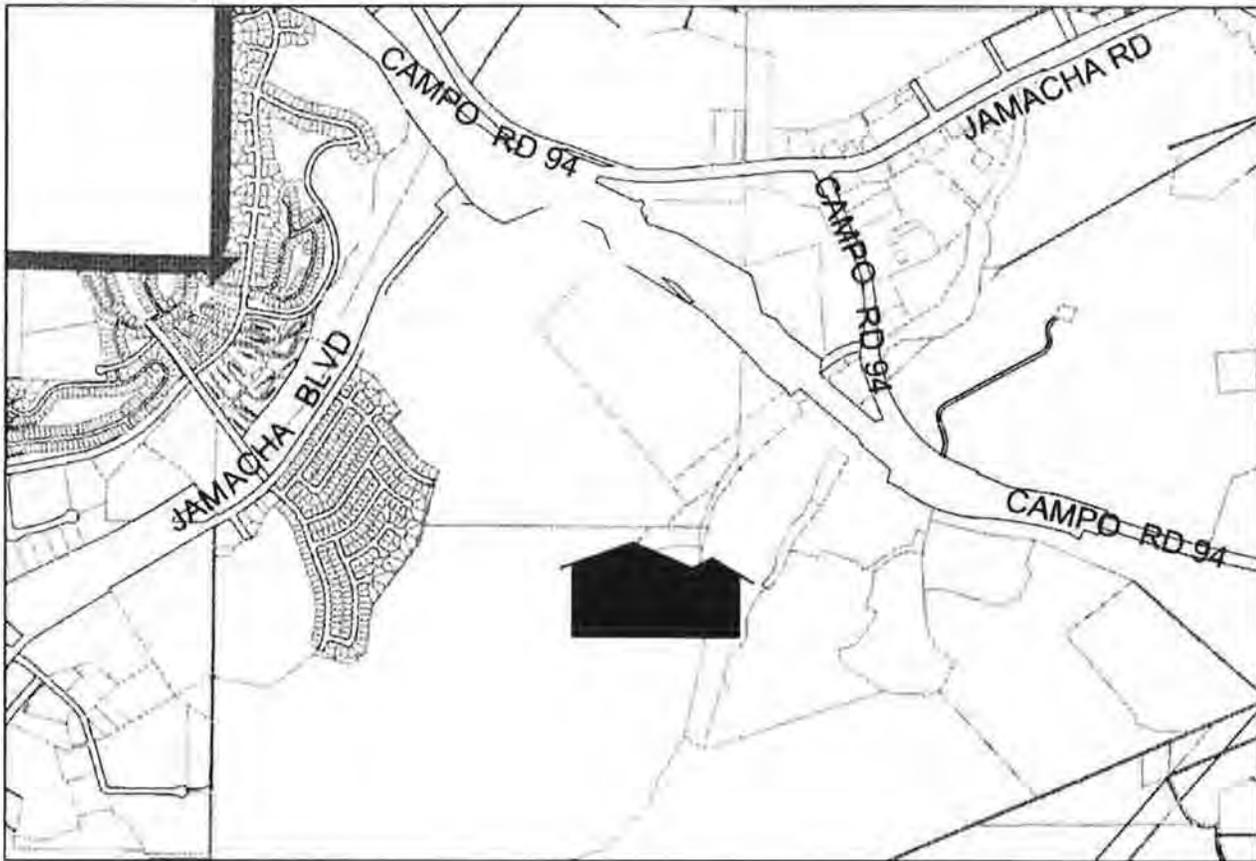
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2016	10/31/2016	\$20
DESIGN:	11/1/2016	1/31/2017	\$80
CONSTRUCTION:	2/1/2017	6/30/2019	\$350

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 319



Submitted By: Jolene Fielding

Date: 4/19/2016

PROJECT TITLE: Hillsdale Road Sewer Repairs

CIP Number: S2048

PROJECT MANAGER: Stephen Beppler

DIRECTOR DIVISION: 5

ORIGINAL APPROVED DATE:

I.D. LOCATION:

RELATED CIP PROJECTS:

PRIORITY: 1

BUDGET AMOUNT: \$500,000

DESCRIPTION OF PROJECT:

This project is to repair two (2) areas of sewer mains, Sites 790 and 878, will be designed and constructed in coordination with the proposed waterline improvements in Hillsdale Road. This work was originally included in S2033.

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:

Coordination with the waterline project is necessary.

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	2017	2018	2019	2020	2021	2022	Total
	\$0	\$100	\$390	\$10	\$0	\$0	\$500

CIP Number: S2048

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:	7/1/2016	1/3/2018	\$100
CONSTRUCTION:	1/4/2018	8/31/2018	\$400

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: 356



Submitted By: Jolene Fielding

Date: 4/19/2016

PROJECT TITLE: Calavo Basin Sewer Rehabilitation - Phase 2

CIP Number: S2049

PROJECT MANAGER: Stephen Beppler

DIRECTOR DIVISION: 5

ORIGINAL APPROVED DATE:

I.D. LOCATION:

RELATED CIP PROJECTS:

PRIORITY: 2

BUDGET AMOUNT: \$1,000,000

DESCRIPTION OF PROJECT:

This project is for repairs to the gravity sanitary sewer system to repair areas with potential for sewer backups and spills. This project addresses the following nine sewer sites, primarily in the Calavo area: 25, 27, 56, 65, 78, 230, 310, 452 and 1460.

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 accumulate, and/or are damaged and need to be repaired.

COMMENTS:

This project is taken from S2033 and is the next highest priority areas after the Rancho San Diego Phase 1 project for open cut repairs.

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	2017	2018	2019	2020	2021	2022	Total	
	\$0	\$20	\$130	\$800	\$50	\$0	\$0	\$1,000

CIP Number: S2049

PROJECT SCHEDULE:

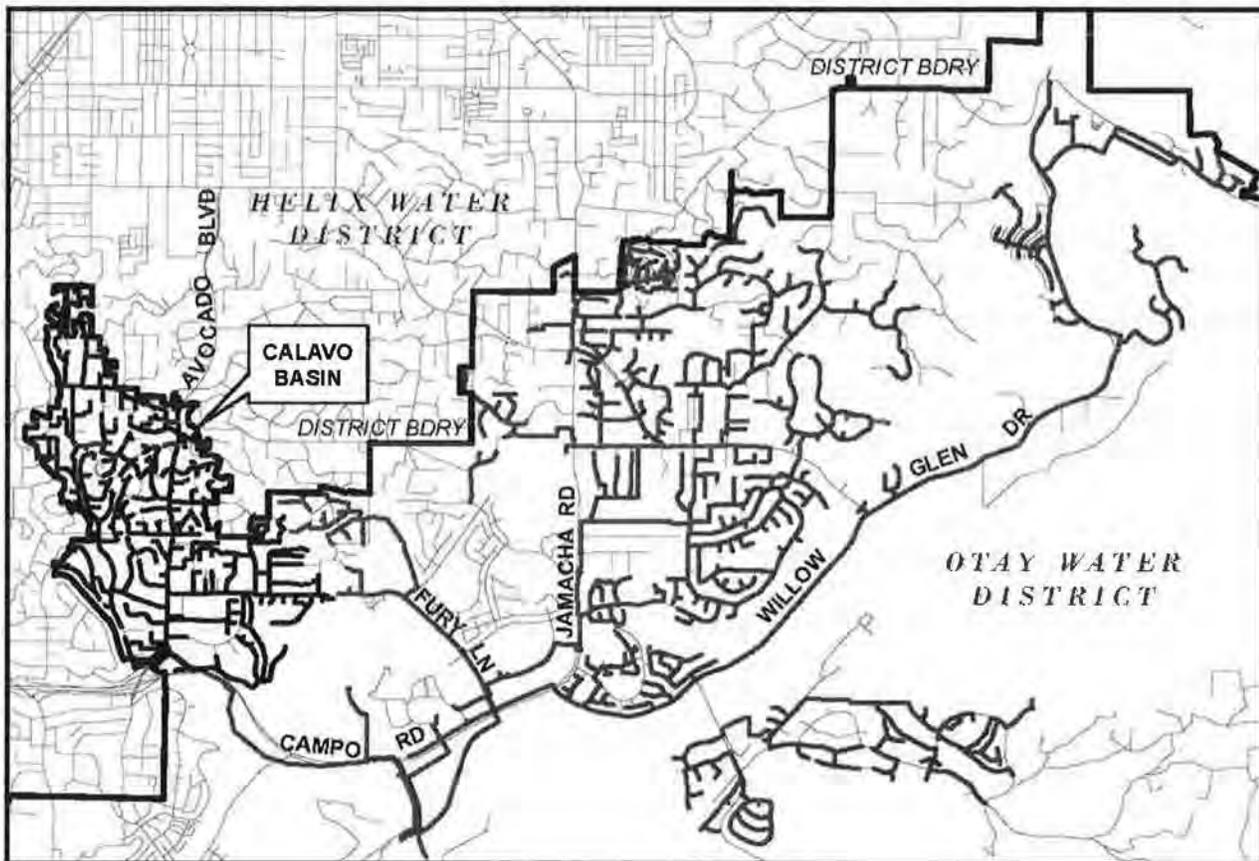
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2016	6/30/2017	\$20
DESIGN:	7/1/2017	6/30/2018	\$130
CONSTRUCTION:	7/1/2018	6/30/2020	\$850

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: 353, 354, 365 & 366



Submitted By: Steve Beppler

Date: 4/21/2016

PROJECT TITLE: Rancho San Diego Basin Sewer Rehabilitation - Phase 2

CIP Number: S2050

PROJECT MANAGER: Stephen Beppler

DIRECTOR DIVISION: 5

ORIGINAL APPROVED DATE:

I.D. LOCATION:

RELATED CIP PROJECTS:

PRIORITY: 2

BUDGET AMOUNT: \$1,300,000

DESCRIPTION OF PROJECT:

This project is for the repairs to gravity sanitary sewer system to repair areas with potential for sewer backups and spills. This project addresses the following eight sewer sites: 705, 724, 735, 747, 750, 772, 775 and 847.

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:

This project is taken from S2033 and is the next highest priority area for open cut repairs after the Calavo Phase 2 project.

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$0	\$0	\$0	\$0	\$50	\$250	\$300

CIP Number: S2050

PROJECT SCHEDULE:

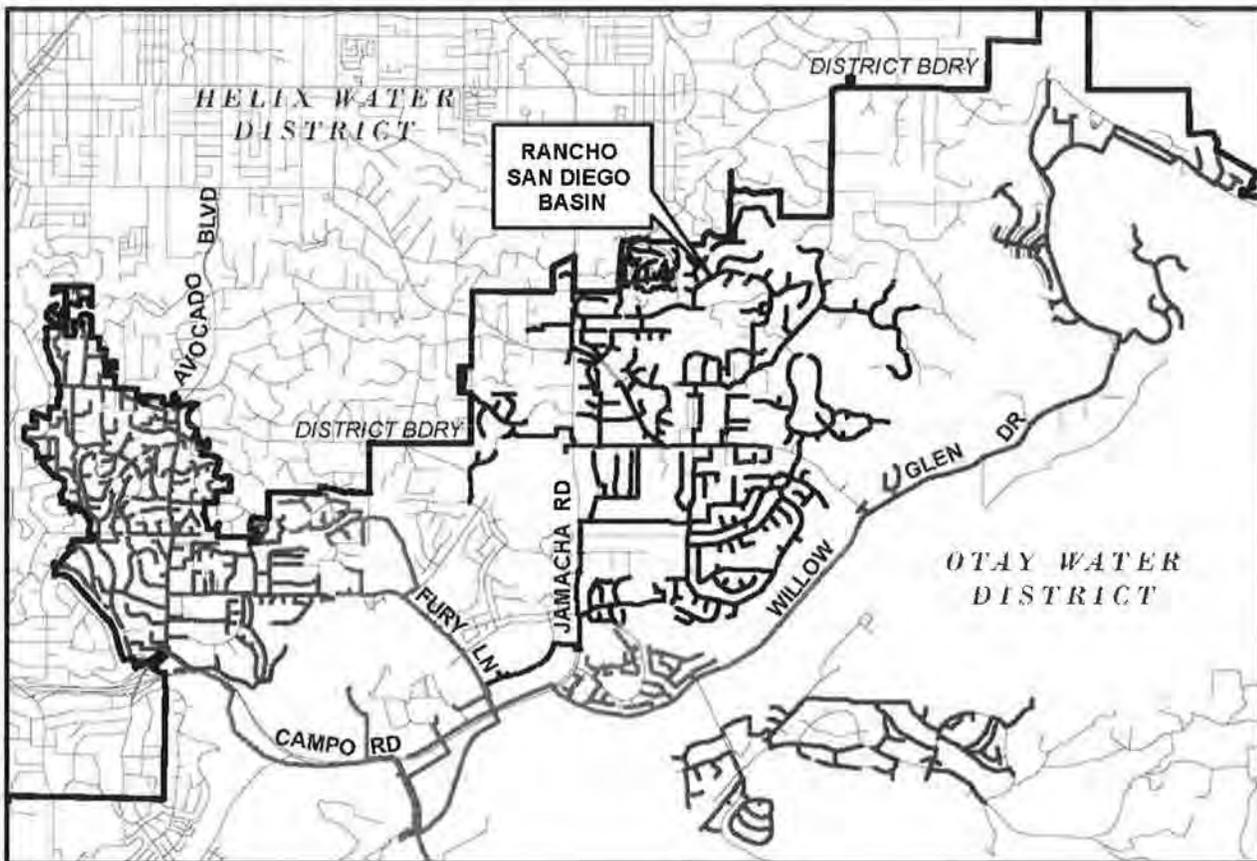
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2020	11/30/2020	\$20
DESIGN:	12/1/2020	12/31/2021	\$180
CONSTRUCTION:	1/1/2022	6/30/2023	\$1,100

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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, 356, 357, 368,



Submitted By: Steve Beppler

Date: 4/21/2016

PROJECT TITLE: RWCWRF - Headworks Improvements

CIP Number: S2051

PROJECT MANAGER: Stephen Beppler

DIRECTOR DIVISION: 3

ORIGINAL APPROVED DATE:

I.D. LOCATION:

RELATED CIP PROJECTS:

PRIORITY: 2

BUDGET AMOUNT: \$750,000

DESCRIPTION OF PROJECT:

This project is for the refurbishment of the treatment plant headworks, including rotary screen concrete channels, grating, and grit removal facilities.

JUSTIFICATION OF PROJECT:

The existing concrete channels and grating are deteriorating and in need of replacement. Grit removal is under-performing, with operators indicating grit buildup in the aeration basins.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$0	\$0	\$50	\$100	\$600	\$0	\$750

CIP Number: S2051

PROJECT SCHEDULE:

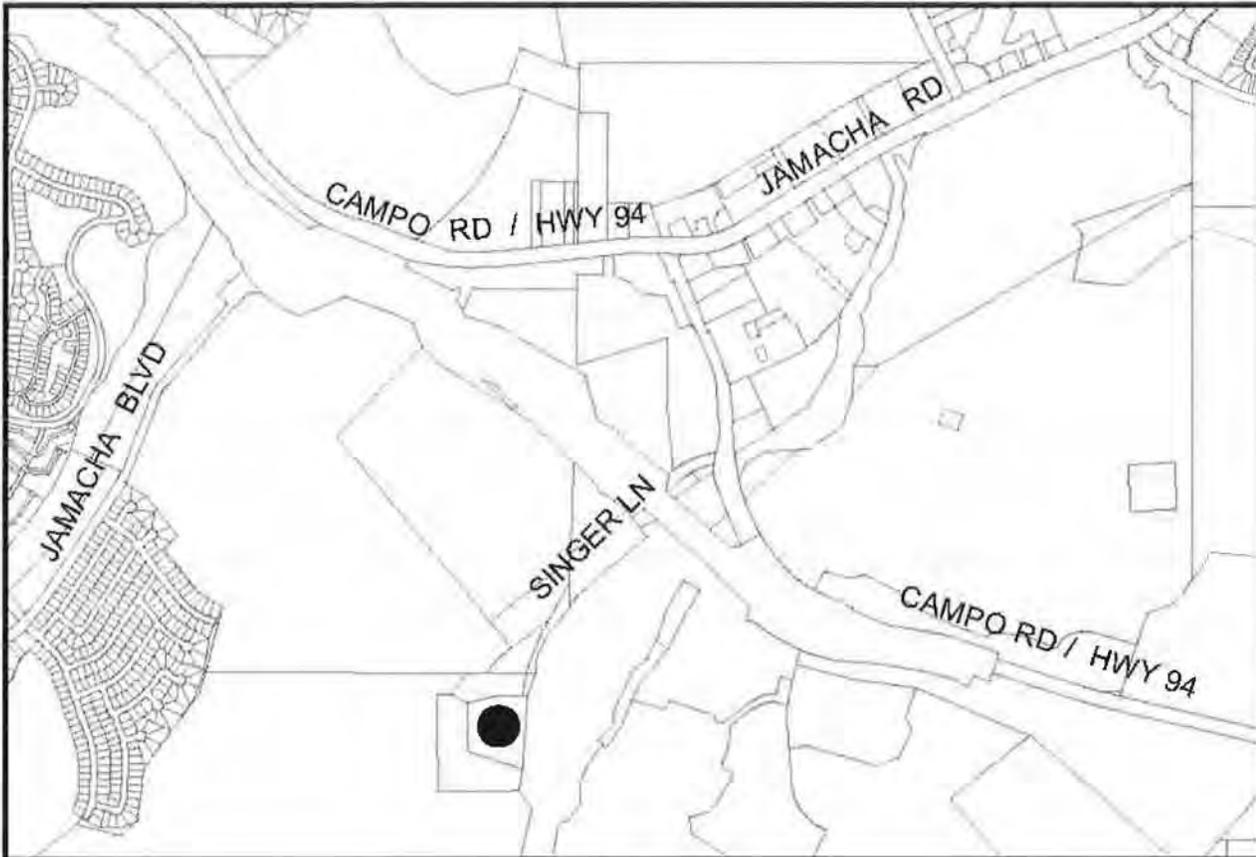
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2017	12/31/2017	\$20
DESIGN:	1/1/2018	6/30/2019	\$130
CONSTRUCTION:	7/1/2019	6/30/2020	\$600

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Steve Beppler

Date: 4/21/2016

PROJECT TITLE: RWCWRF - Access Roads Repaving

CIP Number: S2052

DIRECTOR DIVISION: 3

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION:

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$750,000

DESCRIPTION OF PROJECT:

This project is to replace the existing asphalt pavement for access road from Singer Lane to the plant and within the facility. Area to be paved is about 9000 SY.

JUSTIFICATION OF PROJECT:

Road surface is deteriorating and in need of replacement.

COMMENTS:

Project needs to wait for the completion of the upgrade to RSD Pump Station

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	2017	2018	2019	2020	2021	2022	Total
	\$0	\$0	\$0	\$50	\$400	\$300	\$750

CIP Number: S2052

PROJECT SCHEDULE:

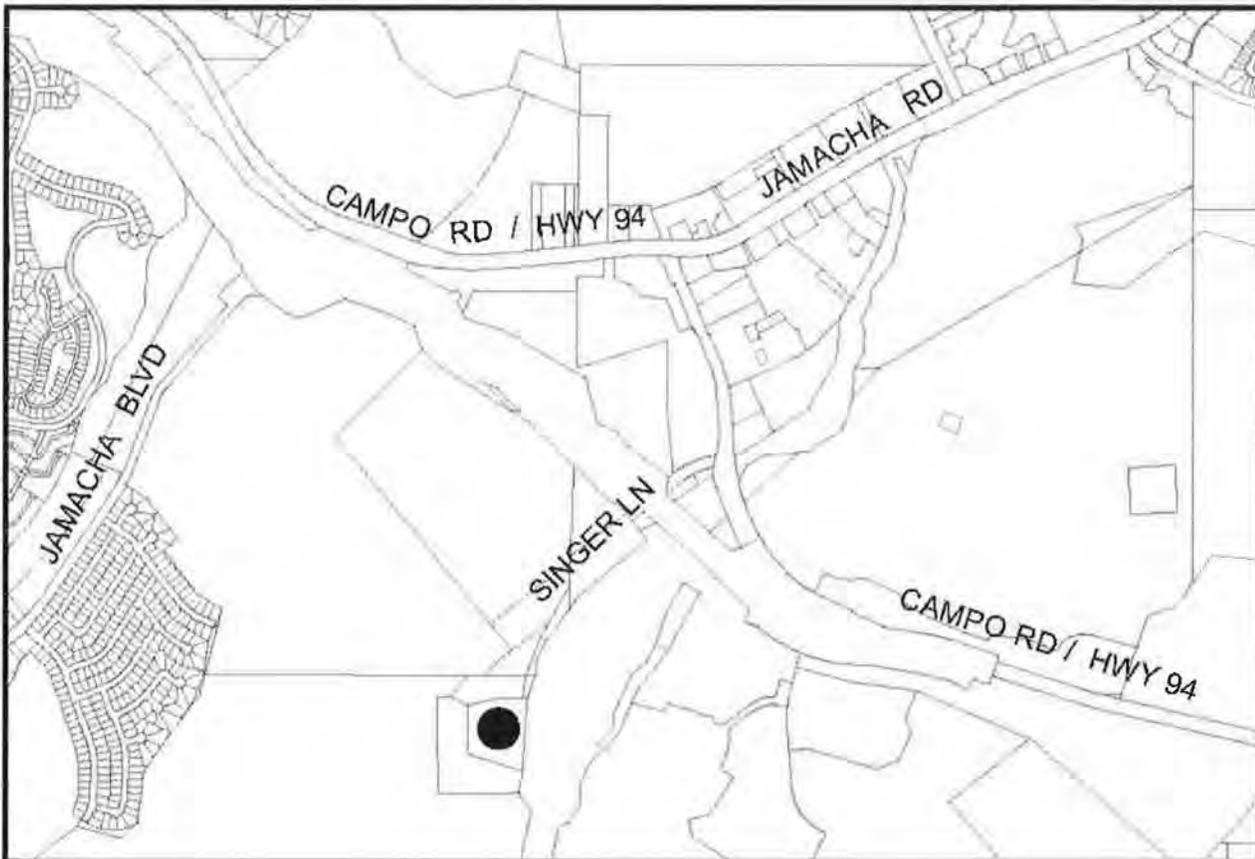
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2019	12/31/2019	\$20
DESIGN:	1/1/2020	9/30/2020	\$130
CONSTRUCTION:	10/1/2020	12/31/2021	\$600

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Steve Beppler

Date: 4/21/2016

PROJECT TITLE: RWCWRF - Sedimentation Basins Refurbishment

CIP Number: S2053

PROJECT MANAGER: Stephen Beppler

DIRECTOR DIVISION: 3

ORIGINAL APPROVED DATE:

I.D. LOCATION:

RELATED CIP PROJECTS:

PRIORITY: 2

BUDGET AMOUNT: \$600,000

DESCRIPTION OF PROJECT:

This project is to replace on each of the three (3) sedimentation basins the effluent weirs, scum weir actuators, and drives as necessary. Install new motor actuated valves on the solids collection piping to complete the automation of this system.

JUSTIFICATION OF PROJECT:

The weirs and drives are at the end of their life and need replacement. The scum weir actuators do not function adequately to allow for automation of the movement.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$0	\$0	\$0	\$60	\$140	\$400	\$600

CIP Number: S2053

PROJECT SCHEDULE:

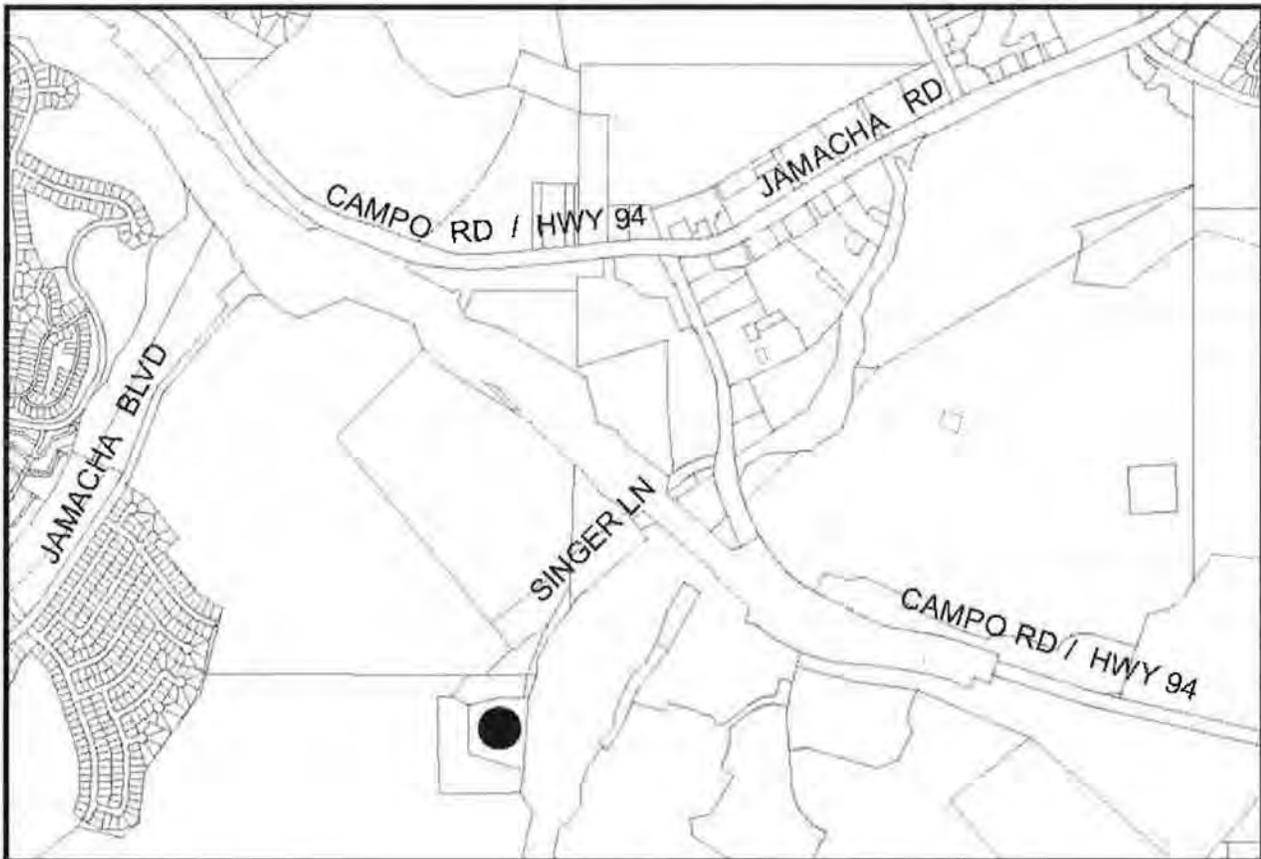
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2019	12/31/2019	\$30
DESIGN:	1/1/2020	9/30/2020	\$120
CONSTRUCTION:	10/1/2020	12/31/2021	\$450

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 319



Submitted By: Jolene Fielding

Date: 4/29/2016

PROJECT TITLE: Calavo Basin Sewer Rehabilitation - Phase 3

CIP Number: S2054

DIRECTOR DIVISION: 5

PROJECT MANAGER: Stephen Beppler

I.D. LOCATION:

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$1,300,000

DESCRIPTION OF PROJECT:

This project is for the repairs to gravity sanitary sewer system to repair areas with potential for sewer backups and spills. This project addresses the following nine sewer sites in the Calavo area: 5.1, 93, 126, 150.1, 150.2, 186, 200, 436 and 1000.

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:

This project is taken from S2033 and is the next highest priority areas after the Rancho San Diego Phase 2 project for open cut repairs.

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	2017	2018	2019	2020	2021	2022	Total
	\$0	\$0	\$0	\$0	\$50	\$250	\$300

CIP Number: S2054

PROJECT SCHEDULE:

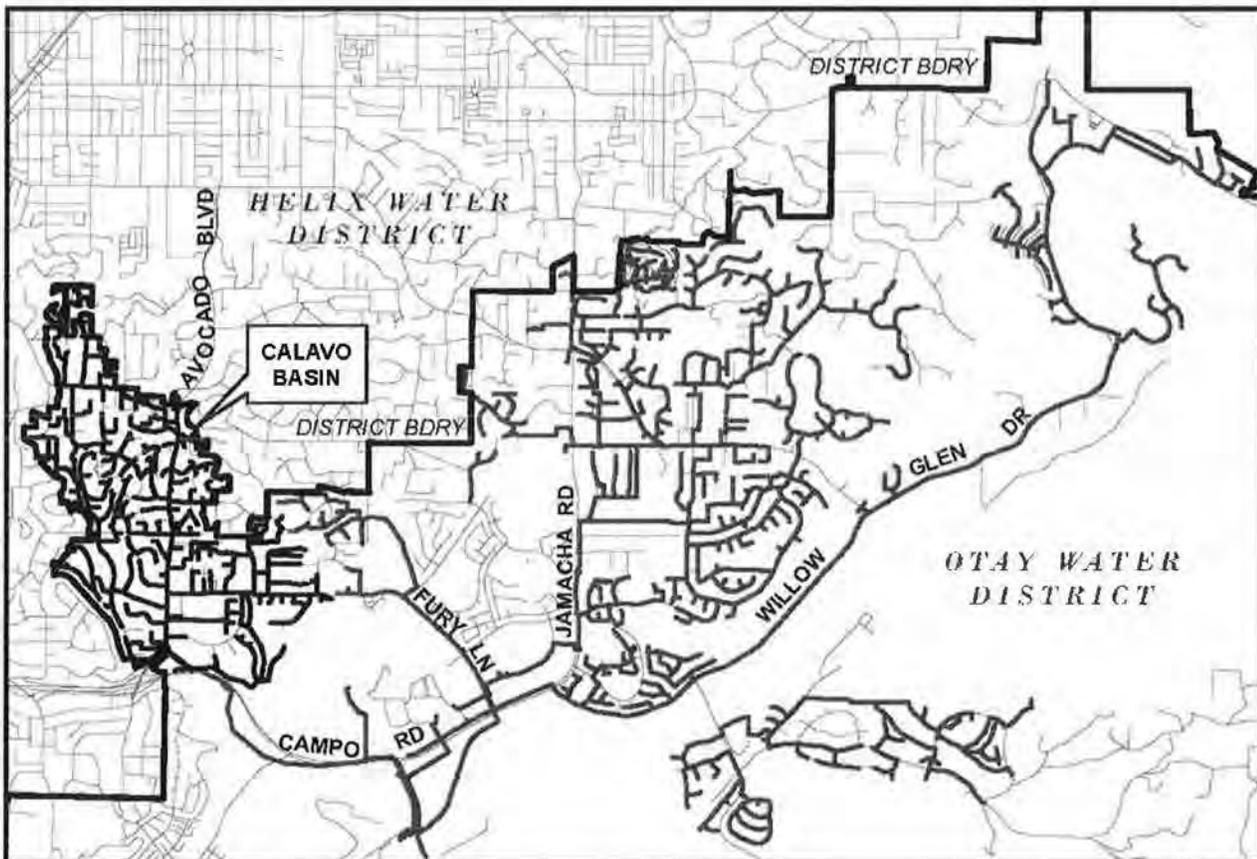
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2020	11/30/2020	\$20
DESIGN:	12/1/2020	10/31/2021	\$180
CONSTRUCTION:	11/1/2021	6/30/2023	\$1,100

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: 353, 354, 365, 366



Submitted By: Steve Beppler

Date: 4/21/2016

PROJECT TITLE: Vehicle Capital Purchases

CIP Number: P2282

DIRECTOR DIVISION: 0

PROJECT MANAGER: Doug Rahders

I.D. LOCATION: District Wide

ORIGINAL APPROVED DATE: 6/3/1996

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$5,491,000

DESCRIPTION OF PROJECT:

This project is for the capital purchase of various vehicles for daily Otay Water District functions.

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY	
TOTAL	2017	2018	2019	2020	2021	2022	Total	
	\$3,646	\$197	\$290	\$240	\$187	\$236	\$253	\$5,049

CIP Number: P2282

PROJECT SCHEDULE:

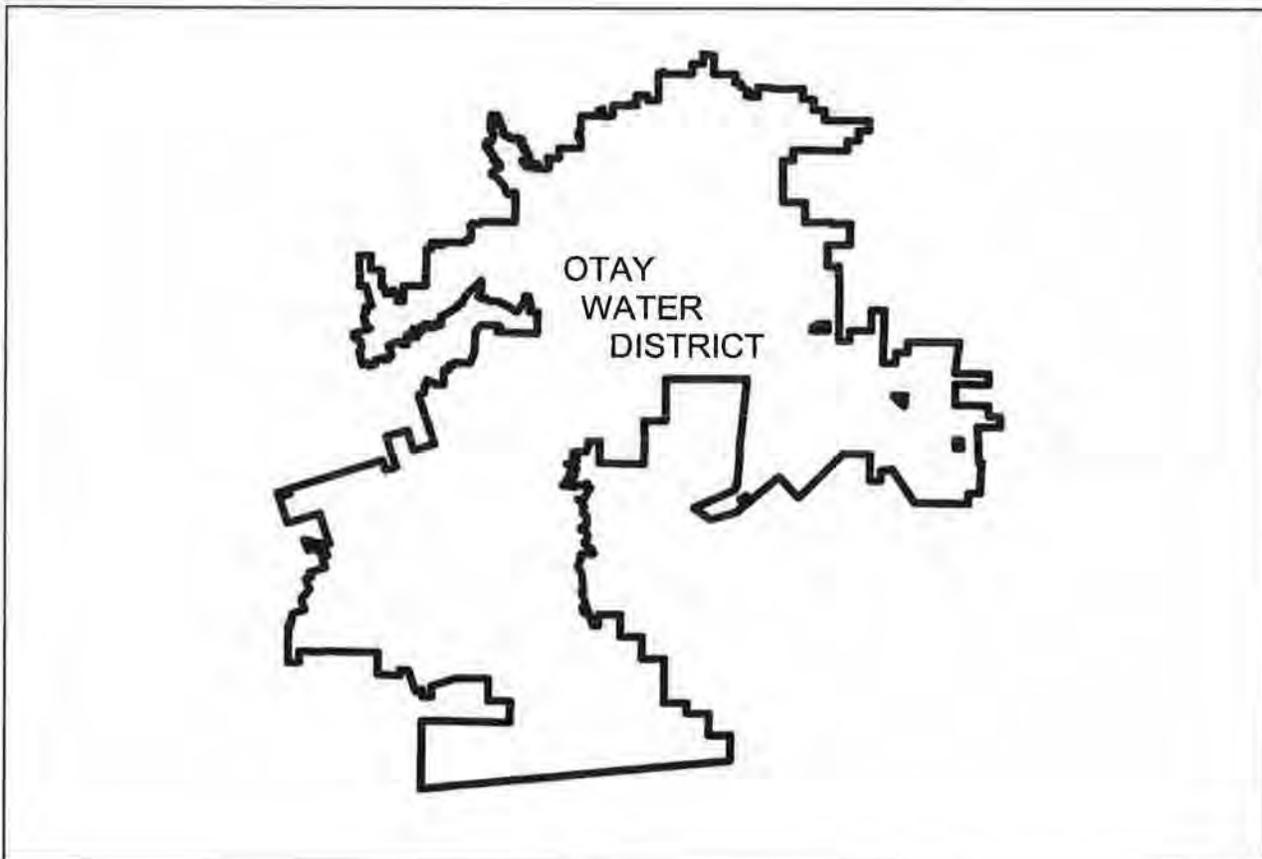
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	12/1/2000	6/30/2023	\$5,491
DESIGN:			\$0
CONSTRUCTION:			\$0

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Steve Beppler

Date: 4/21/2016

PROJECT TITLE: Office Equipment and Furniture Capital Purchases

CIP Number: P2285

PROJECT MANAGER: Kent Payne

DIRECTOR DIVISION: 0

ORIGINAL APPROVED DATE: 6/3/1996

I.D. LOCATION: District Wide

RELATED CIP PROJECTS:

PRIORITY: 1

BUDGET AMOUNT: \$589,000

DESCRIPTION OF PROJECT:

This project is for capital purchases of various office equipment and furniture items used for daily Otay Water District functions.

JUSTIFICATION OF PROJECT:

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

COMMENTS:

2016 - Projected expenditure for Customer Service workstation ergonomic upgrades.

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$536	\$15	\$15	\$8	\$0	\$0	\$589

CIP Number: P2285

PROJECT SCHEDULE:

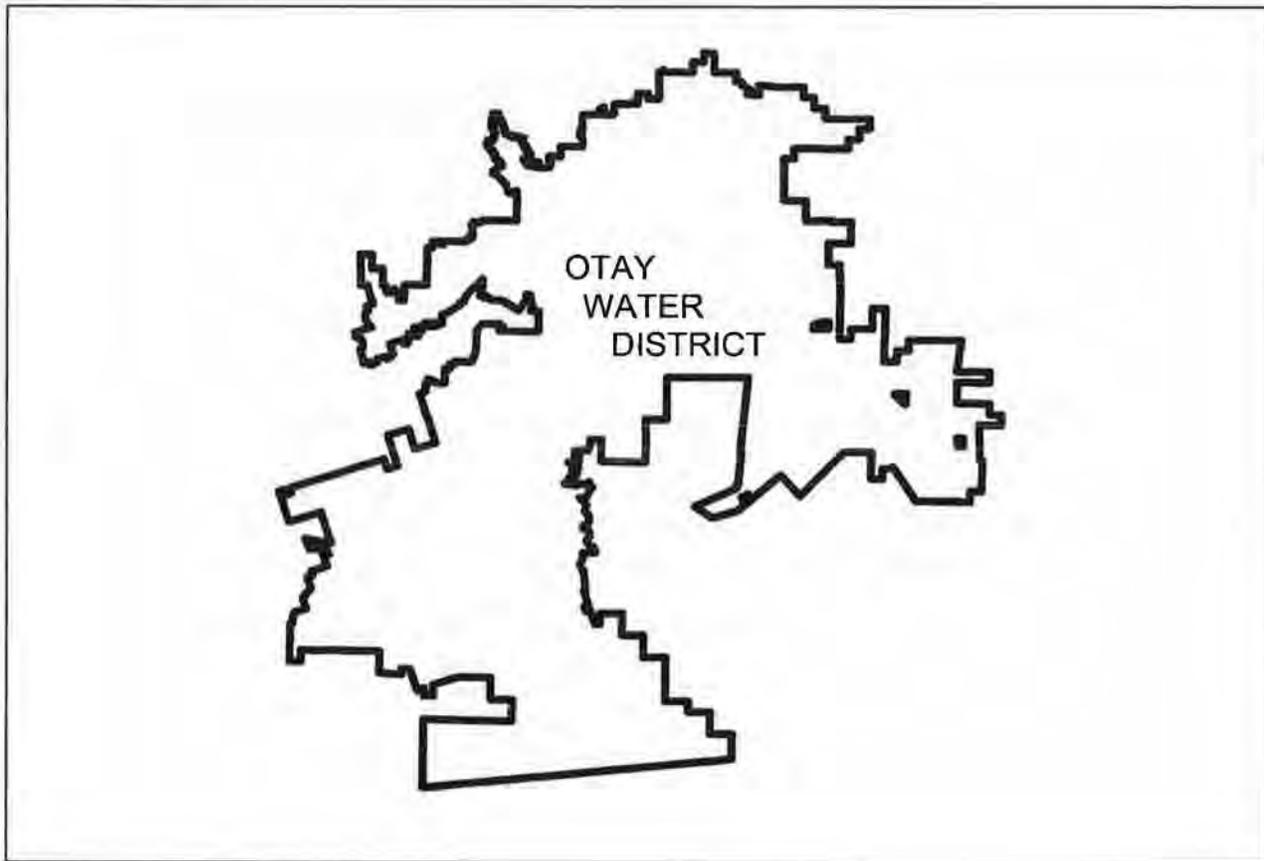
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2000	6/30/2020	\$589

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/10/2016

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: \$1,634,000

DESCRIPTION OF PROJECT:

This project is for capital purchases of various pieces of field equipment used for daily Otay Water District functions.

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY							
TOTAL	2017	2018	2019	2020	2021	2022	Total	
	\$1,386	\$38	\$105	\$50	\$55	\$0	\$0	\$1,634

CIP Number: P2286

PROJECT SCHEDULE:

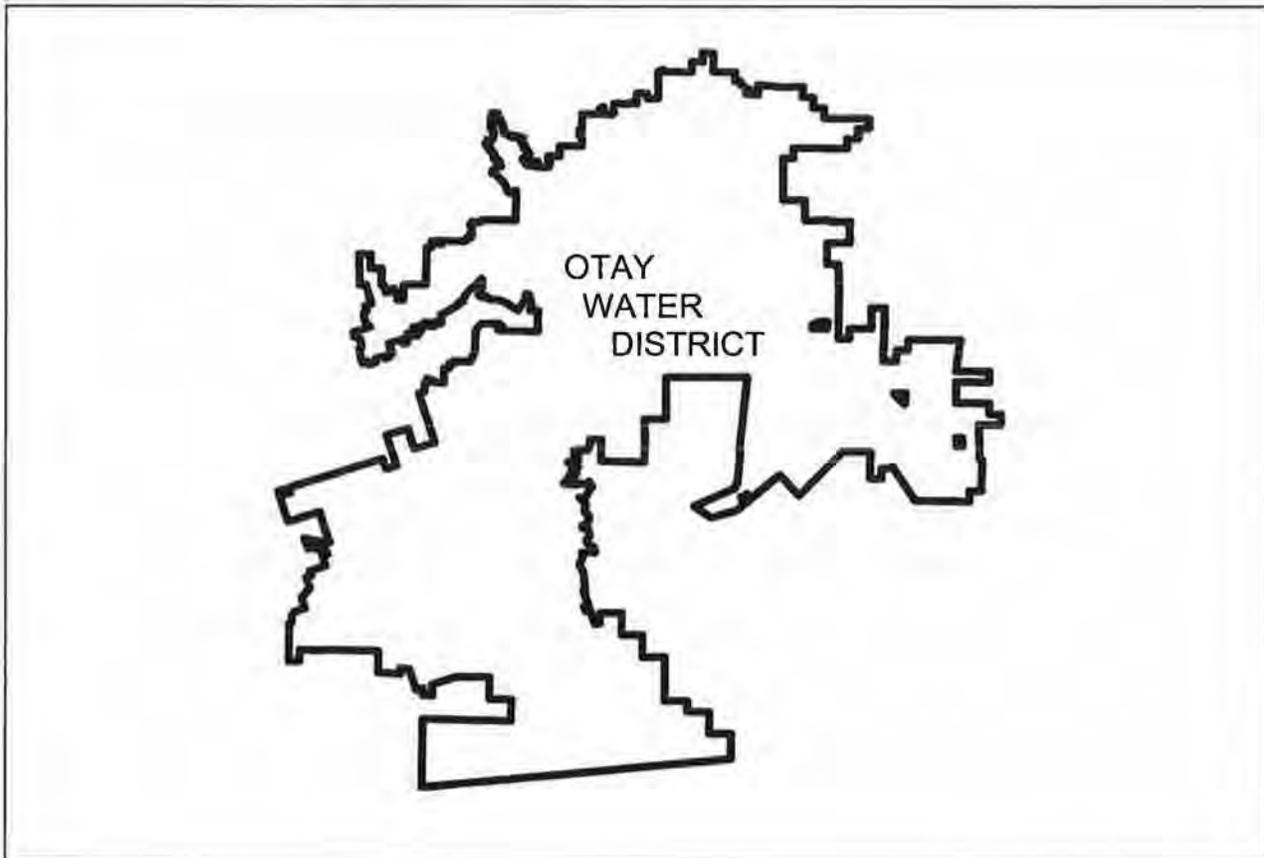
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/1996	6/30/2021	\$1,634
DESIGN:			\$0
CONSTRUCTION:			\$0

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/10/2016

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: \$3,371,000

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. In FY 2016, two (2) potable engine driven pumps estimated at \$520K are being rebudgeted in FY 2017 because the manufacturer cannot deliver until FY 2017.

COMMENTS:

2/21/2014: Two (2) portable gensets and two (2) pump engine APCD permits are scheduled to expire on 12/31/2016.

FUND DETAILS:

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2017	2018	2019	2020	2021	2022	Total
\$2,551	\$820	\$0	\$0	\$0	\$0	\$0	\$3,371

CIP Number: P2366

PROJECT SCHEDULE:

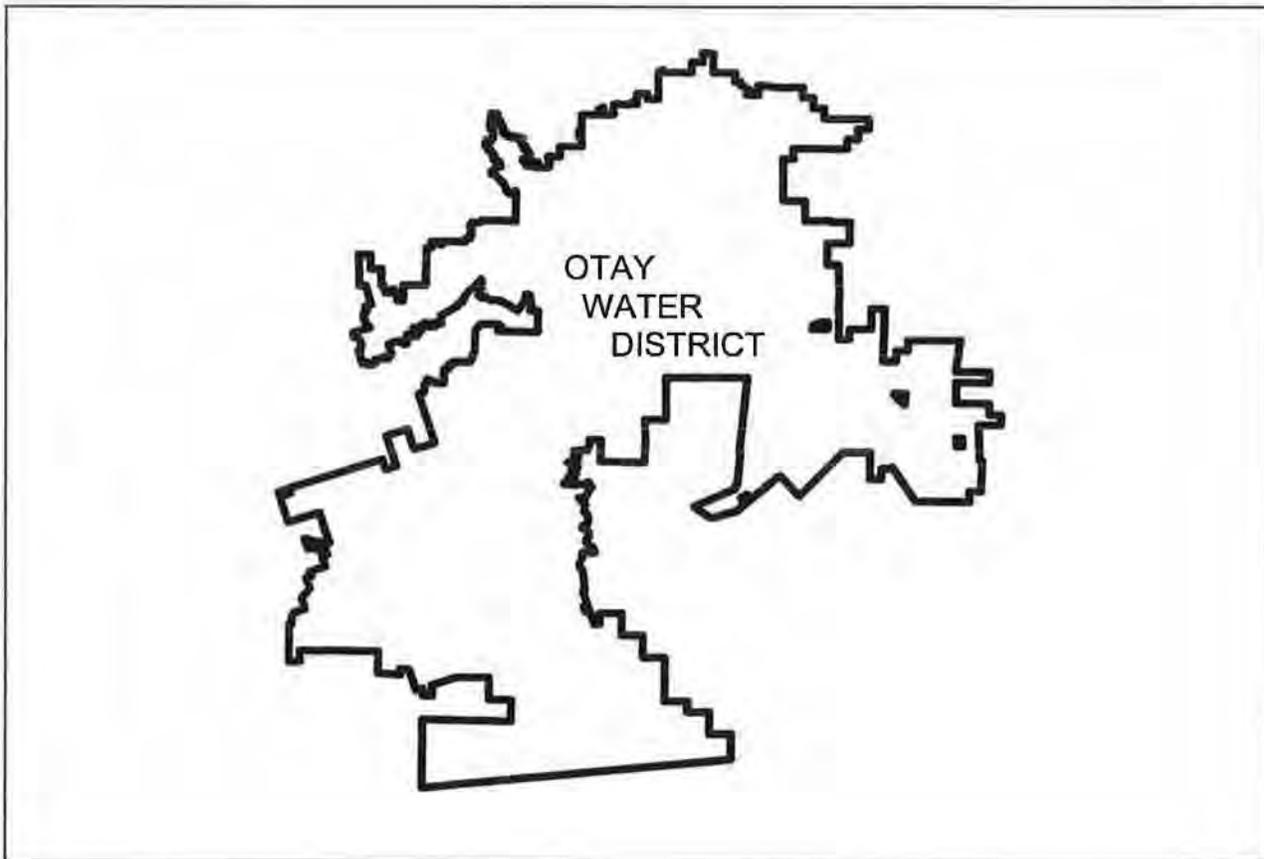
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	12/1/2000	6/1/2001	\$113
DESIGN:	7/1/2001	6/1/2010	\$312
CONSTRUCTION:	7/1/2010	6/30/2017	\$2,946

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Steve Beppler

Date: 4/21/2016

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

CIP Number: P2325

PROJECT MANAGER: Stephen Beppler	DIRECTOR DIVISION: 4
ORIGINAL APPROVED DATE:	I.D. LOCATION: 22
RELATED CIP PROJECTS:	PRIORITY: 2
	BUDGET AMOUNT: \$22,000

DESCRIPTION OF PROJECT:

This project is for the construction of approximately 6,900 feet of 12-inch pipeline within the 1296 Pressure Zone, from the Rolling Hills Hydropneumatic Pump Station to the future 1296 Reservoir. A portion of the project will be constructed by the developer and is subject to reimbursement at actual cost for the oversize portion per Board policy.

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$19 \$3	\$0	\$0	\$0	\$0	\$0	\$22

CIP Number: P2325

PROJECT SCHEDULE:

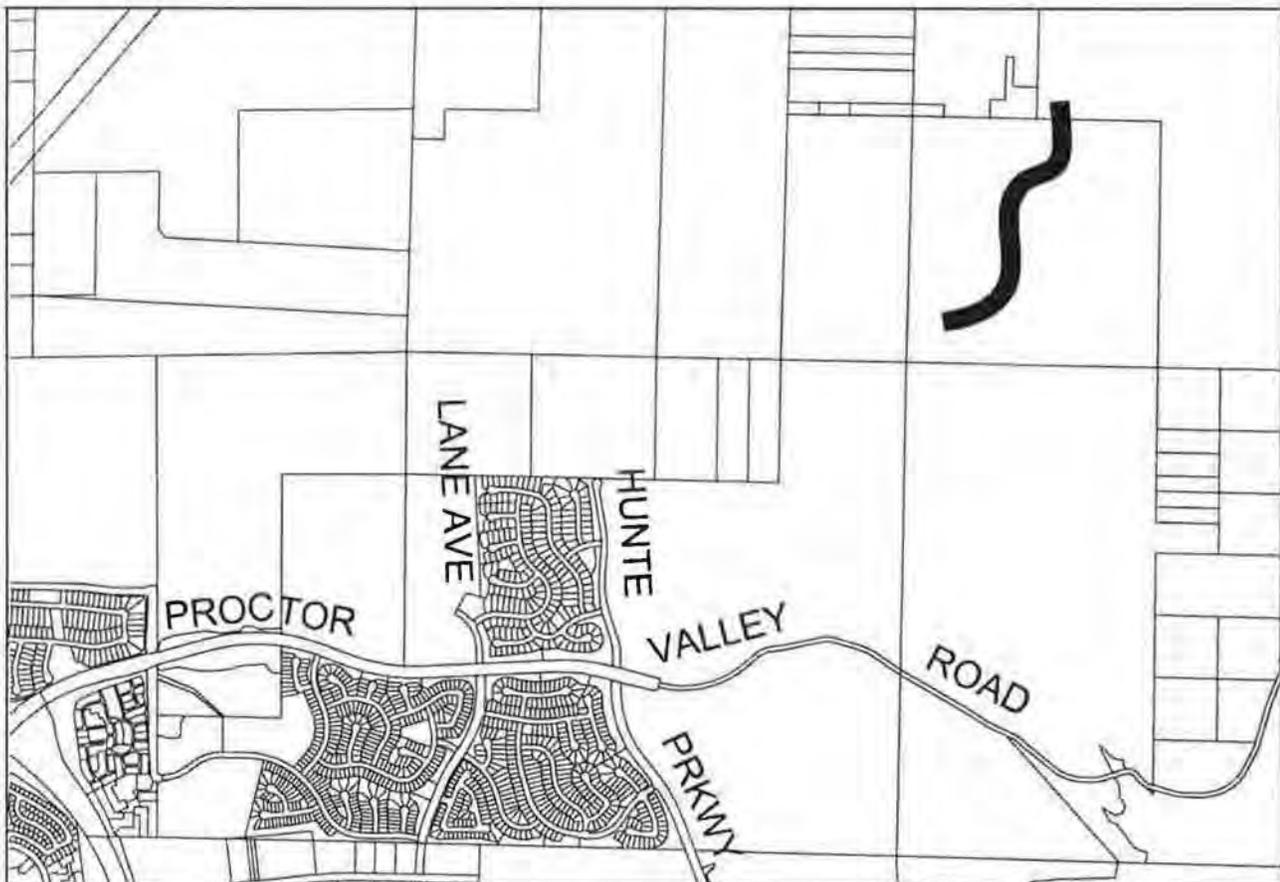
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	6/30/2016	\$1
DESIGN:	7/1/2015	6/30/2016	\$1
CONSTRUCTION:	7/1/2016	6/30/2017	\$20

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 160



Submitted By: Steve Beppler

Date: 4/21/2016

PROJECT TITLE: PL - 12-inch, 624 Zone, Heritage Road - Olympic/Otay Valley

CIP Number: P2403

PROJECT MANAGER: Stephen Beppler

DIRECTOR DIVISION: 2

ORIGINAL APPROVED DATE: 5/23/2005

I.D. LOCATION: 22

RELATED CIP PROJECTS: P2404

PRIORITY: 2

BUDGET AMOUNT: \$925,000

DESCRIPTION OF PROJECT:

This project is for construction of approximately 6,800 feet of 12-inch pipeline within the 624 Pressure Zone in Heritage Road between Olympic Parkway to Otay Valley Road/Main Street. This project will be constructed by the developer and is subject to reimbursement per Board policy.

JUSTIFICATION OF PROJECT:

This project will provide transmission capacity for development of Otay Ranch and other areas within the 624 Pressure Zone.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$0	\$0	\$0	\$0	\$50	\$500	\$550

CIP Number: P2403

PROJECT SCHEDULE:

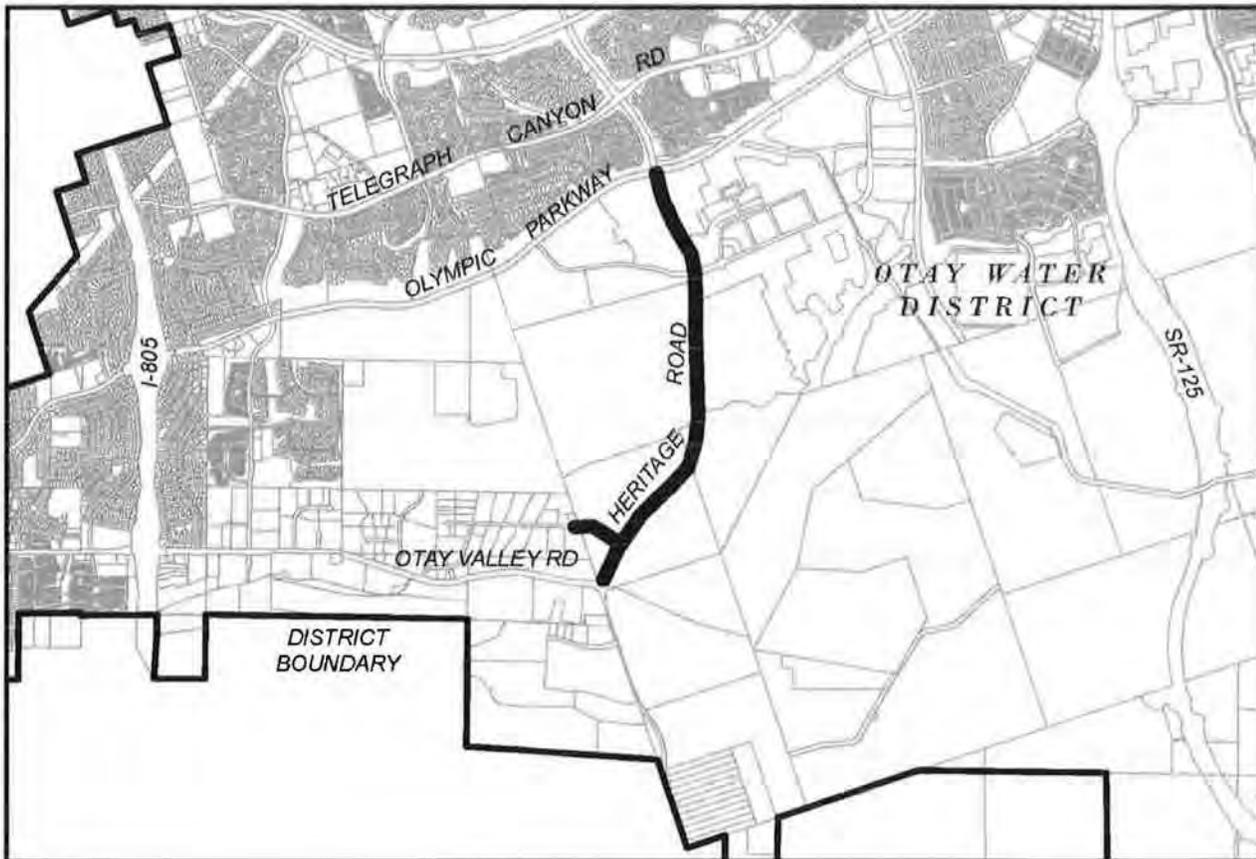
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	1/1/2006	6/1/2021	\$0
DESIGN:	7/1/2006	6/30/2022	\$0
CONSTRUCTION:	7/1/2021	6/30/2024	\$925

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$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: Jolene Fielding

Date: 5/10/2016

PROJECT TITLE: HWY 94 Upsized Utility Relocations at Melody Lane

CIP Number: P2556

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

DIRECTOR DIVISION: 5
I.D. LOCATION: 22
PRIORITY: 2
BUDGET AMOUNT: \$100,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

COMMENTS:

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

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2017	2018	2019	2020	2021	2022	Total
	\$0	\$1	\$99	\$0	\$0	\$0	\$100

CIP Number: P2556

PROJECT SCHEDULE:

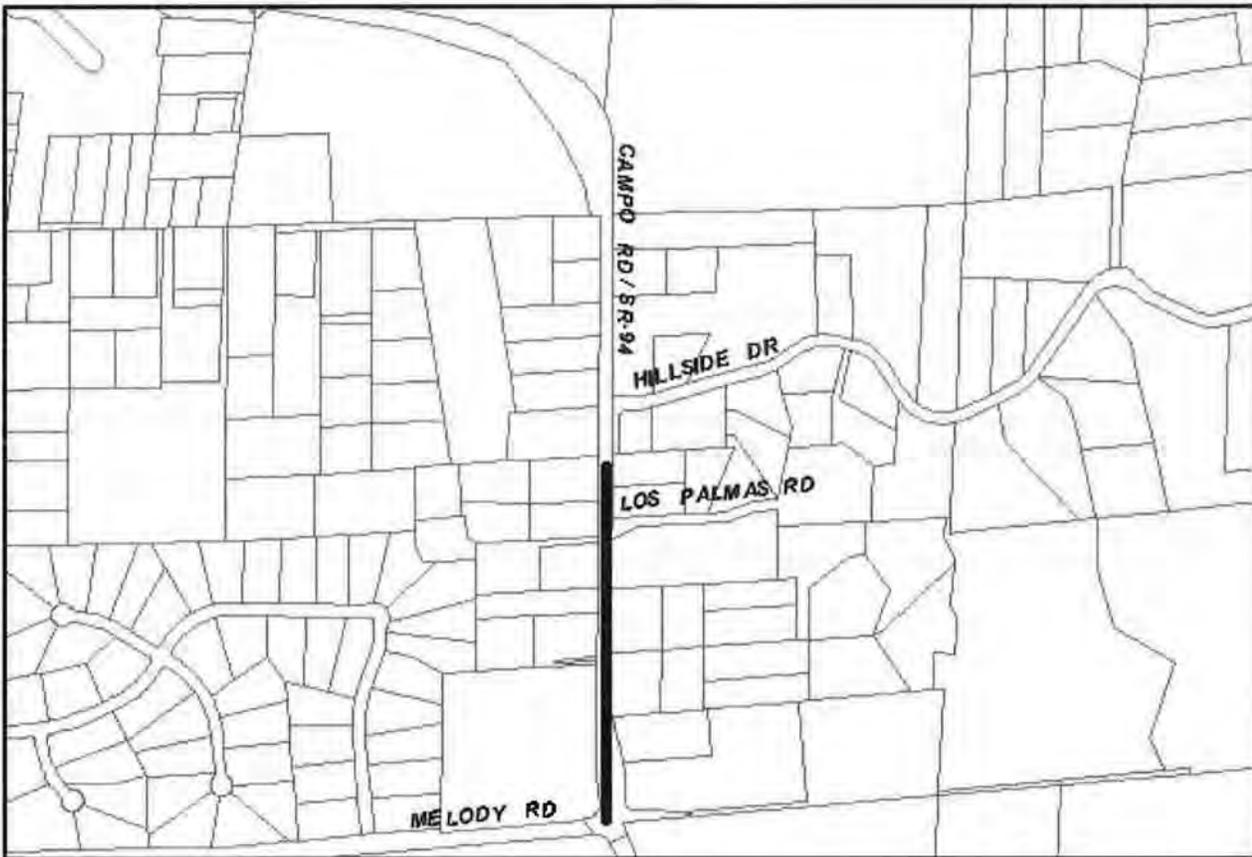
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	7/29/2016	\$1
DESIGN:	7/1/2017	9/30/2017	\$5
CONSTRUCTION:	10/1/2017	6/30/2018	\$94

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ENERGY:	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CHEMICAL:	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT LOCATION:

OWD Map Book: 205 & 309



Submitted By: Steve Beppler

Date: 4/21/2016

PROJECT TITLE: RecPL - 20-Inch, 680 Zone, Village 2 - Heritage/La Media

CIP Number: R2084

PROJECT MANAGER: Stephen Beppler
ORIGINAL APPROVED DATE: 6/2/2004
RELATED CIP PROJECTS: R2083, R2085

DIRECTOR DIVISION: 1
I.D. LOCATION: 22
PRIORITY: 2
BUDGET AMOUNT: \$365,000

DESCRIPTION OF PROJECT:

This project is for construction of approximately 2,000 feet of 20-inch pipeline within the 680 Pressure Zone in Village 2 in Santa Victoria Road from Santa Carolina Road to Santa Alexia Avenue.

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:

This is a developer driven project. A reimbursement agreement is expected to be considered by the Board in FY 2017.

Developer budget is 2,000 LF at a cost of \$150 per foot for a total of \$300K.
Inspection and staff budget is \$65K.
This CIP budget was reduced from \$970K to \$365K for the FY 2017 CIP budget.

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY							
TOTAL	2017	2018	2019	2020	2021	2022	Total	
	\$0	\$10	\$40	\$315	\$0	\$0	\$0	\$365

CIP Number: R2084

PROJECT SCHEDULE:

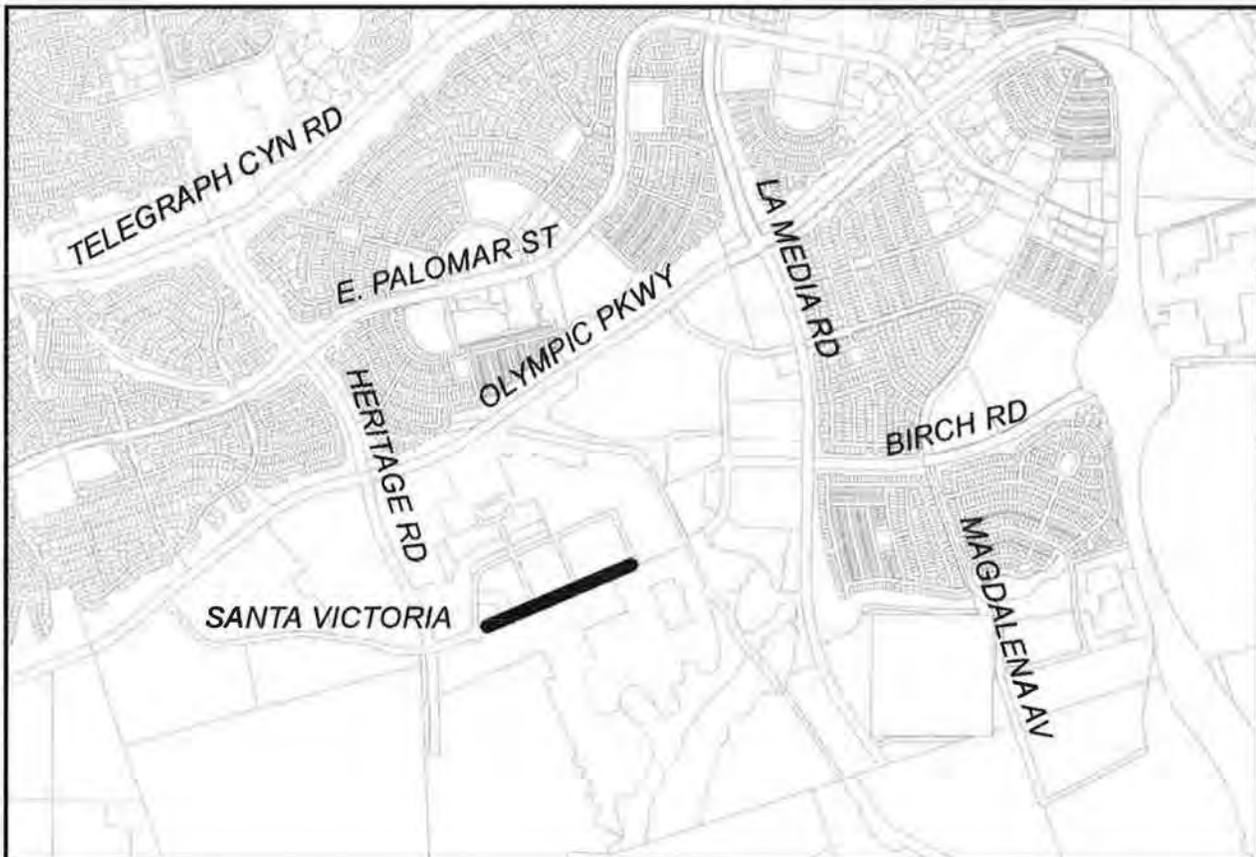
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2004	6/30/2017	\$10
DESIGN:	7/1/2017	6/30/2018	\$40
CONSTRUCTION:	7/1/2018	6/30/2019	\$315

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

	2017	2018	2019	2020	2021	2022	Total
MAINT:	\$0	\$0	\$1,900	\$1,900	\$1,900	\$1,900	\$7,600
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: 5/12/2016

OTAY WATER DISTRICT
Job Classification and Salary Schedule
Effective July 1, 2016

Exhibit 2

Position	Exempt (E) Non-Exempt (NE)	Salary Grade	Min	Hourly Mid	Max	Min	Monthly Mid	Max	Min	Annually Mid	Max
Accountant	NE	25	\$34.8605	\$39.2181	\$43.5757	\$6,042.51	\$6,797.80	\$7,553.10	\$72,510.11	\$81,573.60	\$90,637.24
Accounting Technician	NE	20	\$27.3142	\$30.7284	\$34.1426	\$4,734.46	\$5,326.25	\$5,918.05	\$56,813.49	\$63,915.05	\$71,016.65
Assistant Chief	E	38	\$65.7349	\$73.9516	\$82.1683	\$11,394.05	\$12,818.28	\$14,242.50	\$136,728.59	\$153,819.31	\$170,910.02
Assistant Civil Engineer I	NE	25	\$34.8605	\$39.2181	\$43.5757	\$6,042.51	\$6,797.80	\$7,553.10	\$72,510.11	\$81,573.60	\$90,637.24
Assistant Civil Engineer II	E	27	\$38.4338	\$43.2379	\$48.0421	\$6,661.87	\$7,494.57	\$8,327.30	\$79,942.39	\$89,934.86	\$99,927.57
Assistant General Manager	E	43	\$83.8962	\$94.3831	\$104.8700	\$14,542.00	\$16,359.73	\$18,177.45	\$174,504.06	\$196,316.73	\$218,129.41
Assistant Survey Technician	NE	19	\$26.0136	\$29.2652	\$32.5168	\$4,509.02	\$5,072.63	\$5,636.24	\$54,108.25	\$60,871.56	\$67,634.92
Associate Civil Engineer	E	32	\$49.0524	\$55.1838	\$61.3153	\$8,502.42	\$9,565.20	\$10,627.98	\$102,029.01	\$114,782.39	\$127,535.71
Business Systems Analyst I	E	25	\$34.8605	\$39.2181	\$43.5757	\$6,042.51	\$6,797.80	\$7,553.10	\$72,510.11	\$81,573.60	\$90,637.24
Business Systems Analyst II	E	29	\$42.3734	\$47.6698	\$52.9665	\$7,344.70	\$8,262.77	\$9,180.85	\$88,136.40	\$99,153.20	\$110,170.14
Buyer	NE	20	\$27.3142	\$30.7284	\$34.1426	\$4,734.46	\$5,326.25	\$5,918.05	\$56,813.49	\$63,915.05	\$71,016.65
Chief Financial Officer	E	40	\$72.4727	\$81.5317	\$90.6175	\$12,561.93	\$14,132.15	\$15,707.02	\$150,743.19	\$169,585.78	\$188,484.27
Chief, Administrative Services	E	40	\$72.4727	\$81.5317	\$90.6175	\$12,561.93	\$14,132.15	\$15,707.02	\$150,743.19	\$169,585.78	\$188,484.27
Chief, Engineering	E	40	\$72.4727	\$81.5317	\$90.6175	\$12,561.93	\$14,132.15	\$15,707.02	\$150,743.19	\$169,585.78	\$188,484.27
Chief, Water Operations	E	40	\$72.4727	\$81.5317	\$90.6175	\$12,561.93	\$14,132.15	\$15,707.02	\$150,743.19	\$169,585.78	\$188,484.27
Communications Assistant	NE	20	\$27.3142	\$30.7284	\$34.1426	\$4,734.46	\$5,326.25	\$5,918.05	\$56,813.49	\$63,915.05	\$71,016.65
Communications Officer	E	30	\$44.4919	\$50.0533	\$55.6148	\$7,711.93	\$8,675.91	\$9,639.89	\$92,543.16	\$104,110.94	\$115,678.64
Confidential Executive Secretary	NE	22	\$30.1140	\$33.8781	\$37.6423	\$5,219.75	\$5,872.19	\$6,524.66	\$62,636.97	\$70,466.30	\$78,295.86
Confidential Secretary	NE	18	\$24.7749	\$27.8716	\$30.9683	\$4,294.31	\$4,831.08	\$5,367.85	\$51,531.66	\$57,972.90	\$64,414.20
Construction Inspector I	NE	22	\$30.1140	\$33.8781	\$37.6423	\$5,219.75	\$5,872.19	\$6,524.66	\$62,636.97	\$70,466.30	\$78,295.86
Construction Inspector II	NE	24	\$33.2005	\$37.3506	\$41.5005	\$5,754.76	\$6,474.10	\$7,193.43	\$69,057.13	\$77,689.22	\$86,321.19
Customer Service Field Representative I	NE	16	\$22.4715	\$25.2804	\$28.0893	\$3,895.06	\$4,381.92	\$4,868.80	\$46,740.72	\$52,583.05	\$58,425.58
Customer Service Field Representative II	NE	18	\$24.7749	\$27.8716	\$30.9683	\$4,294.31	\$4,831.08	\$5,367.85	\$51,531.66	\$57,972.90	\$64,414.20
Customer Service Manager	E	33	\$51.5050	\$57.9430	\$64.3810	\$8,927.54	\$10,043.45	\$11,159.37	\$107,130.50	\$120,521.36	\$133,912.45
Customer Service Representative I	NE	16	\$22.4715	\$25.2804	\$28.0893	\$3,895.06	\$4,381.92	\$4,868.80	\$46,740.72	\$52,583.05	\$58,425.58
Customer Service Representative II	NE	18	\$24.7749	\$27.8716	\$30.9683	\$4,294.31	\$4,831.08	\$5,367.85	\$51,531.66	\$57,972.90	\$64,414.20
Customer Service Supervisor	E	27	\$38.4338	\$43.2379	\$48.0421	\$6,661.87	\$7,494.57	\$8,327.30	\$79,942.39	\$89,934.86	\$99,927.57
Data Systems Technician	NE	20	\$27.3142	\$30.7284	\$34.1426	\$4,734.46	\$5,326.25	\$5,918.05	\$56,813.49	\$63,915.05	\$71,016.65
Database Administrator	E	32	\$49.0524	\$55.1838	\$61.3153	\$8,502.42	\$9,565.20	\$10,627.98	\$102,029.01	\$114,782.39	\$127,535.71
Disinfection Technician	NE	23	\$31.6196	\$35.5720	\$39.5244	\$5,480.73	\$6,165.82	\$6,850.89	\$65,768.75	\$73,989.80	\$82,210.66
District Secretary	E	29	\$42.3734	\$47.6698	\$52.9665	\$7,344.70	\$8,262.77	\$9,180.85	\$88,136.40	\$99,153.20	\$110,170.14
Electrician I	NE	22	\$30.1140	\$33.8781	\$37.6423	\$5,219.75	\$5,872.19	\$6,524.66	\$62,636.97	\$70,466.30	\$78,295.86
Electrician II	NE	24	\$33.2005	\$37.3506	\$41.5005	\$5,754.76	\$6,474.10	\$7,193.43	\$69,057.13	\$77,689.22	\$86,321.19
Engineering Manager	E	37	\$62.6047	\$70.4301	\$78.2555	\$10,851.48	\$12,207.88	\$13,564.29	\$130,217.70	\$146,494.58	\$162,771.48
Engineering Technician	NE	22	\$30.1140	\$33.8781	\$37.6423	\$5,219.75	\$5,872.19	\$6,524.66	\$62,636.97	\$70,466.30	\$78,295.86
Environmental Compliance Specialist	E	28	\$40.3556	\$45.3998	\$50.4442	\$6,994.96	\$7,869.31	\$8,743.66	\$83,939.47	\$94,431.69	\$104,923.94
Equipment Mechanic I	NE	18	\$24.7749	\$27.8716	\$30.9683	\$4,294.31	\$4,831.08	\$5,367.85	\$51,531.66	\$57,972.90	\$64,414.20
Equipment Mechanic II	NE	21	\$28.6800	\$32.2648	\$35.8497	\$4,971.19	\$5,592.58	\$6,213.96	\$59,654.24	\$67,110.94	\$74,567.50
Executive Secretary	NE	22	\$30.1140	\$33.8781	\$37.6423	\$5,219.75	\$5,872.19	\$6,524.66	\$62,636.97	\$70,466.30	\$78,295.86
Facilities Maintenance Technician	NE	19	\$26.0136	\$29.2652	\$32.5168	\$4,509.02	\$5,072.63	\$5,636.24	\$54,108.25	\$60,871.56	\$67,634.92
Field Services Manager	E	33	\$51.5050	\$57.9430	\$64.3810	\$8,927.54	\$10,043.45	\$11,159.37	\$107,130.50	\$120,521.36	\$133,912.45
Finance Manager, Controller & Budget	E	35	\$56.7843	\$63.8821	\$70.9801	\$9,842.61	\$11,072.90	\$12,303.21	\$118,111.36	\$132,874.80	\$147,638.47

OTAY WATER DISTRICT
Job Classification and Salary Schedule
Effective July 1, 2016

Exhibit 2

Position	Exempt (E) Non-Exempt (NE)	Salary Grade	Min	Hourly Mid	Max	Min	Monthly Mid	Max	Min	Annually Mid	Max
Finance Manager, Treasury & Accounting	E	35	\$56.7843	\$63.8821	\$70.9801	\$9,842.61	\$11,072.90	\$12,303.21	\$118,111.36	\$132,874.80	\$147,638.47
Fleet Maintenance Supervisor	E	28	\$40.3556	\$45.3998	\$50.4442	\$6,994.96	\$7,869.31	\$8,743.66	\$83,939.47	\$94,431.69	\$104,923.94
General Manager*	E	N/A									\$229,505.10
GIS Analyst	E	25	\$34.8605	\$39.2181	\$43.5757	\$6,042.51	\$6,797.80	\$7,553.10	\$72,510.11	\$81,573.60	\$90,637.24
GIS Manager	E	34	\$54.0802	\$60.8403	\$67.6001	\$9,373.90	\$10,545.63	\$11,717.34	\$112,486.84	\$126,547.58	\$140,608.10
GIS Programmer Analyst	E	27	\$38.4338	\$43.2379	\$48.0421	\$6,661.87	\$7,494.57	\$8,327.30	\$79,942.39	\$89,934.86	\$99,927.57
GIS Technician	NE	22	\$30.1140	\$33.8781	\$37.6423	\$5,219.75	\$5,872.19	\$6,524.66	\$62,636.97	\$70,466.30	\$78,295.86
Human Resources Analyst	E	25	\$34.8605	\$39.2181	\$43.5757	\$6,042.51	\$6,797.80	\$7,553.10	\$72,510.11	\$81,573.60	\$90,637.24
Human Resources Manager	E	35	\$56.7843	\$63.8821	\$70.9801	\$9,842.61	\$11,072.90	\$12,303.21	\$118,111.36	\$132,874.80	\$147,638.47
Information Technology Manager	E	34	\$54.0802	\$60.8403	\$67.6001	\$9,373.90	\$10,545.63	\$11,717.34	\$112,486.84	\$126,547.58	\$140,608.10
Inspection Supervisor	E	28	\$40.3556	\$45.3998	\$50.4442	\$6,994.96	\$7,869.31	\$8,743.66	\$83,939.47	\$94,431.69	\$104,923.94
Laboratory Analyst	NE	26	\$36.6037	\$41.1790	\$45.7545	\$6,344.64	\$7,137.69	\$7,930.76	\$76,135.64	\$85,652.32	\$95,169.10
Lead Customer Service Field Representative	NE	21	\$28.6800	\$32.2648	\$35.8497	\$4,971.19	\$5,592.58	\$6,213.96	\$59,654.24	\$67,110.94	\$74,567.50
Lead Customer Service Representative	NE	21	\$28.6800	\$32.2648	\$35.8497	\$4,971.19	\$5,592.58	\$6,213.96	\$59,654.24	\$67,110.94	\$74,567.50
Lead Meter Maintenance/Cross Conn Worker	NE	25	\$34.8605	\$39.2181	\$43.5757	\$6,042.51	\$6,797.80	\$7,553.10	\$72,510.11	\$81,573.60	\$90,637.24
Lead Reclamation Plant Operator	NE	26	\$36.6037	\$41.1790	\$45.7545	\$6,344.64	\$7,137.69	\$7,930.76	\$76,135.64	\$85,652.32	\$95,169.10
Lead Water Systems Operator	NE	26	\$36.6037	\$41.1790	\$45.7545	\$6,344.64	\$7,137.69	\$7,930.76	\$76,135.64	\$85,652.32	\$95,169.10
Meter Maintenance Worker I	NE	18	\$24.7749	\$27.8716	\$30.9683	\$4,294.31	\$4,831.08	\$5,367.85	\$51,531.66	\$57,972.90	\$64,414.20
Meter Maintenance Worker II	NE	21	\$28.6800	\$32.2648	\$35.8497	\$4,971.19	\$5,592.58	\$6,213.96	\$59,654.24	\$67,110.94	\$74,567.50
Network Engineer	E	31	\$46.7166	\$52.5560	\$58.3955	\$8,097.53	\$9,109.71	\$10,121.88	\$97,170.40	\$109,316.46	\$121,462.59
Permit Technician	NE	20	\$27.3142	\$30.7284	\$34.1426	\$4,734.46	\$5,326.25	\$5,918.05	\$56,813.49	\$63,915.05	\$71,016.65
Pump Mechanic I	NE	19	\$26.0136	\$29.2652	\$32.5168	\$4,509.02	\$5,072.63	\$5,636.24	\$54,108.25	\$60,871.56	\$67,634.92
Pump Mechanic II	NE	22	\$30.1140	\$33.8781	\$37.6423	\$5,219.75	\$5,872.19	\$6,524.66	\$62,636.97	\$70,466.30	\$78,295.86
Pump/Electrical Supervisor	E	28	\$40.3556	\$45.3998	\$50.4442	\$6,994.96	\$7,869.31	\$8,743.66	\$83,939.47	\$94,431.69	\$104,923.94
Purchasing & Facilities Manager	E	34	\$54.0802	\$60.8403	\$67.6001	\$9,373.90	\$10,545.63	\$11,717.34	\$112,486.84	\$126,547.58	\$140,608.10
Reclamation Plant Operator I	NE	19	\$26.0136	\$29.2652	\$32.5168	\$4,509.02	\$5,072.63	\$5,636.24	\$54,108.25	\$60,871.56	\$67,634.92
Reclamation Plant Operator II	NE	21	\$28.6800	\$32.2648	\$35.8497	\$4,971.19	\$5,592.58	\$6,213.96	\$59,654.24	\$67,110.94	\$74,567.50
Reclamation Plant Operator III	NE	23	\$31.6196	\$35.5720	\$39.5244	\$5,480.73	\$6,165.82	\$6,850.89	\$65,768.75	\$73,989.80	\$82,210.66
Reclamation Plant Supervisor	E	30	\$44.4919	\$50.0533	\$55.6148	\$7,711.93	\$8,675.91	\$9,639.89	\$92,543.16	\$104,110.94	\$115,678.64
Recycled Water Distribution Operator I	NE	19	\$26.0136	\$29.2652	\$32.5168	\$4,509.02	\$5,072.63	\$5,636.24	\$54,108.25	\$60,871.56	\$67,634.92
Recycled Water Distribution Operator II	NE	21	\$28.6800	\$32.2648	\$35.8497	\$4,971.19	\$5,592.58	\$6,213.96	\$59,654.24	\$67,110.94	\$74,567.50
Recycled Water Distribution Operator III	NE	23	\$31.6196	\$35.5720	\$39.5244	\$5,480.73	\$6,165.82	\$6,850.89	\$65,768.75	\$73,989.80	\$82,210.66
Recycled Water System Supervisor	E	30	\$44.4919	\$50.0533	\$55.6148	\$7,711.93	\$8,675.91	\$9,639.89	\$92,543.16	\$104,110.94	\$115,678.64
Safety and Security Specialist	E	30	\$44.4919	\$50.0533	\$55.6148	\$7,711.93	\$8,675.91	\$9,639.89	\$92,543.16	\$104,110.94	\$115,678.64
SCADA/Instrumentation Technician	NE	25	\$34.8605	\$39.2181	\$43.5757	\$6,042.51	\$6,797.80	\$7,553.10	\$72,510.11	\$81,573.60	\$90,637.24
Secretary	NE	18	\$24.7749	\$27.8716	\$30.9683	\$4,294.31	\$4,831.08	\$5,367.85	\$51,531.66	\$57,972.90	\$64,414.20
Senior Accountant	E	28	\$40.3556	\$45.3998	\$50.4442	\$6,994.96	\$7,869.31	\$8,743.66	\$83,939.47	\$94,431.69	\$104,923.94
Senior Buyer	NE	23	\$31.6196	\$35.5720	\$39.5244	\$5,480.73	\$6,165.82	\$6,850.89	\$65,768.75	\$73,989.80	\$82,210.66
Senior Civil Engineer	E	34	\$54.0802	\$60.8403	\$67.6001	\$9,373.90	\$10,545.63	\$11,717.34	\$112,486.84	\$126,547.58	\$140,608.10
Senior Confidential Executive Secretary	E	24	\$33.2005	\$37.3506	\$41.5005	\$5,754.76	\$6,474.10	\$7,193.43	\$69,057.13	\$77,689.22	\$86,321.19
Senior Disinfection Technician	NE	24	\$33.2005	\$37.3506	\$41.5005	\$5,754.76	\$6,474.10	\$7,193.43	\$69,057.13	\$77,689.22	\$86,321.19
Senior Engineering Technician	NE	24	\$33.2005	\$37.3506	\$41.5005	\$5,754.76	\$6,474.10	\$7,193.43	\$69,057.13	\$77,689.22	\$86,321.19

OTAY WATER DISTRICT
Job Classification and Salary Schedule
Effective July 1, 2016

Exhibit 2

Position	Exempt (E) Non-Exempt (NE)	Salary Grade	Min	Hourly Mid	Max	Min	Monthly Mid	Max	Min	Annually Mid	Max
Senior Human Resources Analyst	E	30	\$44,491.9	\$50,053.3	\$55,614.8	\$7,711.93	\$8,675.91	\$9,639.89	\$92,543.16	\$104,110.94	\$115,678.64
Senior SCADA/Instrumentation Technician	NE	28	\$40,355.6	\$45,399.8	\$50,444.2	\$6,994.96	\$7,869.31	\$8,743.66	\$83,939.47	\$94,431.69	\$104,923.94
Senior Utility/Equipment Operator	NE	22	\$30,114.0	\$33,878.1	\$37,642.3	\$5,219.75	\$5,872.19	\$6,524.66	\$62,636.97	\$70,466.30	\$78,295.86
Senior Warehouse Worker	NE	20	\$27,314.2	\$30,728.4	\$34,142.6	\$4,734.46	\$5,326.25	\$5,918.05	\$56,813.49	\$63,915.05	\$71,016.65
Senior Water Conservation Specialist	E	24	\$33,200.5	\$37,350.6	\$41,500.5	\$5,754.76	\$6,474.10	\$7,193.43	\$69,057.13	\$77,689.22	\$86,321.19
Supervising Land Surveyor	E	29	\$42,373.4	\$47,669.8	\$52,966.5	\$7,344.70	\$8,262.77	\$9,180.85	\$88,136.40	\$99,153.20	\$110,170.14
Survey Technician	NE	25	\$34,860.5	\$39,218.1	\$43,575.7	\$6,042.51	\$6,797.80	\$7,553.10	\$72,510.11	\$81,573.60	\$90,637.24
System Operations Manager	E	36	\$59,623.6	\$67,076.2	\$74,529.1	\$10,334.74	\$11,626.55	\$12,918.37	\$124,016.91	\$139,518.56	\$155,020.43
System Support Analyst	E	29	\$42,373.4	\$47,669.8	\$52,966.5	\$7,344.70	\$8,262.77	\$9,180.85	\$88,136.40	\$99,153.20	\$110,170.14
Utility Crew Leader	NE	24	\$33,200.5	\$37,350.6	\$41,500.5	\$5,754.76	\$6,474.10	\$7,193.43	\$69,057.13	\$77,689.22	\$86,321.19
Utility Maintenance Supervisor	E	28	\$40,355.6	\$45,399.8	\$50,444.2	\$6,994.96	\$7,869.31	\$8,743.66	\$83,939.47	\$94,431.69	\$104,923.94
Utility Services Manager	E	35	\$56,784.3	\$63,882.1	\$70,980.1	\$9,842.61	\$11,072.90	\$12,303.21	\$118,111.36	\$132,874.80	\$147,638.47
Utility Worker I	NE	18	\$24,774.9	\$27,871.6	\$30,968.3	\$4,294.31	\$4,831.08	\$5,367.85	\$51,531.66	\$57,972.90	\$64,414.20
Utility Worker II	NE	20	\$27,314.2	\$30,728.4	\$34,142.6	\$4,734.46	\$5,326.25	\$5,918.05	\$56,813.49	\$63,915.05	\$71,016.65
Valve Maintenance Worker	NE	18	\$24,774.9	\$27,871.6	\$30,968.3	\$4,294.31	\$4,831.08	\$5,367.85	\$51,531.66	\$57,972.90	\$64,414.20
Water Conservation Specialist	NE	22	\$30,114.0	\$33,878.1	\$37,642.3	\$5,219.75	\$5,872.19	\$6,524.66	\$62,636.97	\$70,466.30	\$78,295.86
Water Systems Operator I	NE	20	\$27,314.2	\$30,728.4	\$34,142.6	\$4,734.46	\$5,326.25	\$5,918.05	\$56,813.49	\$63,915.05	\$71,016.65
Water Systems Operator II	NE	22	\$30,114.0	\$33,878.1	\$37,642.3	\$5,219.75	\$5,872.19	\$6,524.66	\$62,636.97	\$70,466.30	\$78,295.86
Water Systems Operator III	NE	23	\$31,619.6	\$35,572.0	\$39,524.4	\$5,480.73	\$6,165.82	\$6,850.89	\$65,768.75	\$73,989.80	\$82,210.66
Water Systems Supervisor	E	30	\$44,491.9	\$50,053.3	\$55,614.8	\$7,711.93	\$8,675.91	\$9,639.89	\$92,543.16	\$104,110.94	\$115,678.64

* Salary is determined by the Board

ORDINANCE NO. 555

AN ORDINANCE OF THE BOARD OF DIRECTORS OF
THE OTAY WATER DISTRICT
AMENDING APPENDIX A
OF THE DISTRICT'S CODE OF ORDINANCES

BE IT ORDAINED by the Board of Directors of Otay Water District that the District's Code of Ordinances Appendix A be amended as per Exhibit 1 to this resolution.

NOW, THEREFORE, BE IT RESOLVED that the new proposed Appendix A (Exhibit 2) of the Code of Ordinances shall become effective January 1, 2017.

PASSED, APPROVED AND ADOPTED by the Board of Directors of the Otay Water District at a regular meeting duly held this 23rd day of May 2016, by the following roll call vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

President

ATTEST:

District Secretary

Otay Water District
Appendix A

Exhibit 1

Section #	Code #	Fee Description	Meter Size	Charges		
9	9.04 A.1.	District Annexation Processing Fee			\$763.76	
	9.04 B.	Annexation Fees for Water Annexations into Otay Water District Boundaries			Districtwide Annexation Fee	
			3/4"		\$1,844.40	
			1"		\$4,611.00	
			1-1/2"		\$9,222.00	
			2"		\$14,755.20	
			3"		\$29,510.40	
			4"		\$46,110.00	
			6"		\$92,220.00	
			8"		\$147,552.00	
			10"		\$212,106.00	
	9.04 C.4.	Annexation Fees for Annexations to Sewer Improvement Districts per EDU			\$1,056.61	
10	10.01	Waiver Request			\$50.00	
23	23.04	Backflow Certification				
		- Second Notification			\$10.00	
		- Third Notification			\$25.00	
		- Reconnection (service resumed)			\$50.00	
		- Initial Filing Fee (New applicants for addition to the list of approved backflow prevention device testers)			\$25.00	
		- Renewal Filing Fee (to remain on list of approved backflow prevention device testers)		Annually	\$10.00	
25	25.03 A.	Set-up Fees for Accounts			\$10.00	
25	25.03 C.	Monthly Fixed System Charges, MWD & CWA Charges ⁽¹⁾	Meter Size	System Charge	MWD & CWA Fixed Charge	Total Fixed Charge
			3/4"	\$18.91	\$16.84	\$35.75
			1"	\$26.74	\$31.24	\$57.95
⁽¹⁾ All Water used in February and billed in March 2016.						

Section #	Code #	Fee Description	Meter Size	Charges		
25	25.03 C.	Monthly Fixed System Charges, MWD & CWA Charges (continued) ⁽¹⁾	1-1/2"	\$46.22	\$70.66	\$116.88
			2"	\$69.64	\$120.17	\$189.78
			3"	\$132.02	\$255.60	\$387.62
			4"	\$202.24	\$409.32	\$611.56
			6"	\$397.34	\$837.89	\$1,235.20
			8"	\$631.37	\$1,353.09	\$1,984.46
			10"	\$904.44	\$1,947.62	\$2,852.06
25	25.03 E.1.(b)	Domestic Residential Water Rates ⁽¹⁾ (The Conservation Tier discount applies toward the first five units of water when overall consumption is ten units or less.)	Conservation Tier	Unit	Charge	
				0 - 5	\$2.13	
				6-10	\$3.32	
				11-22	\$4.32	
				23 or more	\$6.65	
25	25.03 E.2.(b)	Multiple Residential Water Rates - Per Dwelling Unit ⁽¹⁾		0-4	\$3.28	
				5-9	\$4.25	
				10 or more	\$6.56	
					-	
25	25.03 E.3.(b)	Business and Publicly-Owned Water Rates ⁽¹⁾	under 10"	0-185	\$3.54	
				186-1,400	\$3.56	
				1,401 or more	\$3.62	
					-	
			10" & larger	0-7,426	\$3.54	
				7,427-14,616	\$3.56	
				14,617 or more	\$3.62	
25	25.03 E.4.(c)	Irrigation and Commercial Agricultural Using Potable Water Rates ⁽¹⁾	1" & smaller	0-54	\$4.78	
				55-199	\$4.83	
				200 or more	\$4.89	
			1.5" & 2"	0-144	\$4.78	
				145-355	\$4.83	
				356 or more	\$4.89	
			3" & larger	0-550	\$4.78	
				551-1,200	\$4.83	
				1,201 or more	\$4.89	

⁽¹⁾ All Water used in February and billed in March 2016.

Section #	Code #	Fee Description	Meter Size		Charges					
25	25.03 E.5.(c)	Recycled Water ⁽¹⁾ (Landscape Irrigation and Certain Non-Irrigation Purposes Rates)	3/4" - 1"	0-32	\$4.08					
				33-75	\$4.14					
				76 or more	\$4.20					
			1.5" & 2"	0-130	\$4.08					
				131-325	\$4.14					
				326 or more	\$4.20					
			3" & 4"	0-440	\$4.08					
				441-1,050	\$4.14					
				1,051 or more	\$4.20					
			6" & larger	0-4,000	\$4.08					
				4,001-10,000	\$4.14					
				10,001 or more	\$4.20					
			25	25.03 E.6.(c)	Recycled Commercial ⁽¹⁾	under 10"	0-173	\$2.97		
							174-831	\$3.03		
							832 or more	\$3.07		
10" & larger	0-7,426	\$2.97								
	7,427-14,616	\$3.03								
	14,617 or more	\$3.07								
25	25.03 E.7.(b)	Potable Temporary and Construction Water Service Rates ⁽¹⁾	1" & smaller	0-54	\$9.56					
				55-199	\$9.66					
				200 or more	\$9.78					
			1.5" & 2"	0-144	\$9.56					
				145-355	\$9.66					
				356 or more	\$9.78					
			3" & larger	0-550	\$9.56					
				551-1,200	\$9.66					
				1,201 or more	\$9.78					
			25	25.03 E.8.(b)	Recycled Temporary and Construction Water Service Rates ⁽¹⁾	3/4" - 1"	0-32	\$8.16		
							33-75	\$8.28		
							76 or more	\$8.40		

⁽¹⁾ All Water used in February and billed in March 2016.

Section #	Code #	Fee Description	Meter Size		Charges			
25	25.03 E.8.(b)	Recycled Temporary and Construction Water Service Rates (continued) ⁽¹⁾	1.5" & 2"	0-130	\$8.16			
				131-325	\$8.28			
				326 or more	\$8.40			
			3" & 4"	0-440	\$8.16			
				441-1,050	\$8.28			
				1,051 or more	\$8.40			
			6" & larger	0-4,000	\$8.16			
				4,001-10,000	\$8.28			
				10,001 or more	\$8.40			
			25	25.03 E.10.(b)	Tank Trucks Water Rates ⁽¹⁾	1" & smaller	0-54	\$9.56
							55-199	\$9.66
							200 or more	\$9.78
1.5" & 2"	0-144	\$9.56						
	145-355	\$9.66						
	356 or more	\$9.78						
3" & larger	0-550	\$9.56						
	551-1,200	\$9.66						
	1,201 or more	\$9.78						
25	25.03 E.11.(c)	Application Fee for Water Service Outside District Boundaries					\$500.00	
25	25.03 E.11.(d)	Water Rate for Service Outside District Boundaries ⁽¹⁾				1" & smaller	0-54	\$9.56
							55-199	\$9.66
			200 or more	\$9.78				
			1.5" & 2"	0-144	\$9.56			
				145-355	\$9.66			
				356 or more	\$9.78			
			3" & larger	0-550	\$9.56			
				551-1,200	\$9.66			
				1,201 or more	\$9.78			
			25	25.03 E.12.(b)	Application Fee for Water Service Outside an Improvement District		\$275.00	

⁽¹⁾ All Water used in February and billed in March 2016.

Section #	Code #	Fee Description	Meter Size	Charges	
25	25.03 E.12.(c)	Water Rate for Service Outside Improvement District ⁽¹⁾	1" & smaller	0-54	\$9.56
				55-199	\$9.66
				200 or more	\$9.78
			1.5" & 2"	0-144	\$9.56
				145-355	\$9.66
				356 or more	\$9.78
			3" & larger	0-550	\$9.56
				551-1,200	\$9.66
				1,201 or more	\$9.78
25	25.03 E.13.(c)	Fire Service Monthly Charge	3" or less	\$24.69	
			more than 4"	\$33.27	
25	25.03 E.14.(b)	Additional Water Service for Property Not Subject to District Taxes	per unit	\$0.37	
25	25.03 E.15.(b)	Interim Service Water Rate in Improvement District 7 ⁽¹⁾	1" & smaller	0-54	\$9.56
				55-199	\$9.66
				200 or more	\$9.78
			1.5" & 2"	0-144	\$9.56
				145-355	\$9.66
				356 or more	\$9.78
			3" & larger	0-550	\$9.56
				551-1,200	\$9.66
				1,201 or more	\$9.78
25	25.03 F.	Energy Charges for Pumping Water ⁽¹⁾	Per 100 ft of lift over 450 ft per unit	\$0.07	
25	25.04 A.	Deposits for Non-Property Owners	3/4"	\$75.00	
			1"	\$150.00	
			1-1/2"	\$200.00	
⁽¹⁾ All Water used in February and billed in March-2016.					

Section #	Code #	Fee Description	Meter Size	Charges		
25	25.04 A.	Deposits for Non-Property Owner (continued)	2"	\$360.00		
			3"	\$800.00		
			4"	\$1,350.00		
			6"	\$3,300.00		
			8"	\$4,400.00		
			10"	\$5,500.00		
28	28.01 B.1.	Capacity Fees and Zone Charge		Districtwide Capacity Fee		
		- All IDs excluding Triad	3/4"	\$8,286.84		
			1"	\$20,717.10		
			1-1/2"	\$41,434.20		
			2"	\$66,294.72		
			3"	\$132,589.44		
			4"	\$207,171.00		
			6"	\$414,342.00		
			8"	\$662,947.20		
			10"	\$952,986.60		
		- TRIAD	3/4"	\$6,217.20		
			1"	\$15,543.00		
			1 -1/2"	\$31,086.00		
			2"	\$49,737.60		
			3"	\$99,475.20		
			4"	\$155,430.00		
			6"	\$310,860.00		
			8"	\$497,376.00		
			10"	\$714,978.00		
28	28.01 B.2.	New Water Supply Fee				
		- All IDs including Triad	3/4"	\$1,026.51		
			1"	\$2,566.28		
			1-1/2"	\$5,132.55		
			2"	\$8,212.08		
			3"	\$16,424.16		
			4"	\$25,662.75		
			6"	\$51,325.50		
			8"	\$82,120.80		
			10"	\$118,048.65		

Section #	Code #	Fee Description	Meter Size	Charges			Meter Box/Vault (if Needed)		
				Meter Cost	Installation	Total			
28	28.02	Installation and Water Meter Charges - Potable (Non-Irrigation)	Meter Size	Meter Cost	Installation	Total			
			3/4" x 7.5"	\$218.94	\$103.90	\$322.84	\$88.20		
		3/4" x 9"	\$233.11	\$103.90	\$337.01	\$88.20			
		1"	\$282.52	\$103.90	\$386.42	\$88.20			
		1.5"	\$459.21	\$103.90	\$563.11	\$199.96			
		2"	\$658.00	\$103.90	\$761.90	\$199.96			
		3"	\$2,050.60	\$625.55	\$2,676.15	\$3,566.92			
		4"	\$3,561.56	\$625.55	\$4,187.11	\$3,566.92			
		6"	\$6,151.79	\$988.10	\$7,139.89	\$3,566.92			
		8"	\$7,686.20	\$1,515.16	\$9,201.36	\$5,117.00			
		10"	\$11,054.19	\$1,515.16	\$12,569.35	\$5,117.00			
				- Potable/Recycled Irrigation	3/4" x 7.5"	\$218.94	\$103.90	\$322.84	\$224.79
					3/4" x 9"	\$233.11	\$103.90	\$337.01	\$224.79
					1"	\$282.52	\$103.90	\$386.42	\$224.79
					1.5"	\$459.21	\$103.90	\$563.11	\$224.79
					2"	\$658.00	\$103.90	\$761.90	\$224.79
					3"	\$1,419.22	\$625.55	\$2,044.77	\$3,566.92
					4"	\$2,763.01	\$625.55	\$3,388.56	\$3,566.92
					6"	\$4,974.31	\$988.10	\$5,962.41	\$3,566.92
			8"	\$6,626.67	\$1,515.16	\$8,141.83	\$5,117.00		
			10"	\$4,903.75	\$1,515.16	\$6,418.91	\$5,117.00		
		- Combined Fire and Domestic	4"	\$8,473.28	\$625.55	\$9,098.83	\$3,566.92		
			6"	\$11,277.19	\$988.10	\$12,265.29	\$3,566.92		
			8"	\$16,396.22	\$1,515.16	\$17,911.38	\$5,117.00		
			10"	\$22,375.42	\$1,515.16	\$23,890.58	\$5,117.00		
31	31.02 D.1.	Requirement of Temporary Meter for Service	minimum/per day		\$25.00				
31	31.03 A.1.	Requirement of Deposit for Temporary Meters							
			3/4"		\$156.85				
			1"		\$184.78				
			1-1/2"		\$379.62				
			2"		\$2,046.00				
			4"		\$1,986.00				
			6"		\$2,465.00				

Section #	Code #	Fee Description	Meter Size	Charges
31	31.03 A.1.	Requirement of Deposit for Temporary Meters (continued)		
		- Construction Trailer Temporary Meter	2"	\$2,046.00
		- Tank Truck Temporary Meter (Ordinance No. 372)	2"	\$850.00
31	31.03 A.4.	Temporary Meter Install & Removal		\$128.00
31	31.03 A.5.	Temporary Meter Move Fee (includes backflow certification)	3/4" - 2"	\$64.00
			3" and larger No backflow test	\$64.00
33	33.07 A.	Customer Request for Meter Test (Deposit)	5/8", 3/4" & 1"	\$25.00
			1-1/2" & 2 "	\$50.00
			3" & Larger	\$125.00
34	34.01 D.2.	Returned Check Charges		\$25.00
34	34.02 B.	Late Payment Charge		5% of Delinquent Balance
34	34.02 G.1.(d)	Delinquency Tag		\$10.00
34	34.02 G.3.(a)	Meter "Turn-On" Charge	During regular business hours	\$35.00
34	34.02 G.3.(b)	Meter "Turn-On" Charge	After regular business hours	\$65.00
53	53.03 A.1.	Sewer Capacity Fee per EDU for parcels within a Sewer ID		\$4,247.21
53	53.03 A.2.	Sewer Capacity Fee per EDU for parcels not within a Sewer ID		\$6,642.75
53	53.03 B.1.	Sewer Connection Fee - Russell Square		\$7,500.00
53	53.03 B.2.	Monthly Sewer Service Charge - Russell Square		\$200.00
53	53.10 & 11	Set-up Fees for Accounts		\$10.00
53	53.10	Residential Sewer Usage Fee ⁽²⁾	Rate multiplied by winter average units	\$2.46

⁽²⁾ Sewer billed beginning January 1, 2016.

Section #	Code #	Fee Description	Meter Size	Charges
53	53.10	Residential Sewer System Fee ⁽²⁾	5/8", 3/4" & larger	\$17.19
53	53.10 A.	Residential Sewer Without Consumption History ⁽²⁾	5/8", 3/4" & larger	\$40.19
53	53.10 B.	Multi-Residential Usage Fee - Sewer Without Consumption History ⁽²⁾		\$29.27
53	53.10 B.2.	Multi-Residential Usage Fee - Sewer ⁽²⁾	Rate multiplied by winter average units	\$2.46
53	53.10 B. 2.	Multi-Residential System Fee - Sewer ⁽²⁾	.75"	\$27.07
			1"	\$39.86
			1.5"	\$71.82
			2"	\$110.17
			3"	\$199.66
			4"	\$327.51
			6"	\$647.12
			8"	\$1,030.67
			10"	\$1,478.12
53	53.11	Commercial and Institutional Sewer Strength Factors	Low Strength 1	
			Medium Strength 2	
			High Strength 4	
53	53.11	Monthly Usage Fee for Commercial and Institutional Sewer ⁽²⁾	Rate multiplied by annual avg. units	
			Low Strength	\$2.46
			Medium Strength	\$3.53
			High Strength	\$5.63
53	53.11	Monthly System Fee for Commercial and Institutional Sewer ⁽²⁾	.75"	\$27.07
			1"	\$39.86
			1.5"	\$71.82
			2"	\$110.17
			3"	\$199.66
			4"	\$327.51
			6"	\$647.12
			8"	\$1,030.67
			10"	\$1,478.12

⁽²⁾ Sewer billed beginning January 1, 2016.

Section #	Code #	Fee Description	Meter Size	Charges		
60	60.03	Issuance of Availability Letters for Water and/or Sewer Service		\$75.00		
72	72.04 A.1.	Locking or Removing Damaged or Tampered Meters				
		- To Pull and Reset Meter	3/4" - 2"	\$170.00		
		- Broken Curbstop or Tabs	3/4" - 1"	\$192.00		
		- If Customer uses Jumper	3/4" - 1"	\$149.00		
		- Broken Lock/Locking Device	3/4" - 1"	\$56.00		
		- Cap Lock (Welded)	3/4" - 1"	\$158.00		
		- Broken Curbstop or Tabs	1.5" - 2"	\$265.00		
		- To Pull and Reset Meter	3"	\$351.00		
		- To Pull and Reset Meter	4"	\$454.00		
		- To Pull and Reset Meter	6"	\$454.00		
		- To Pull and Reset Meter	8"	\$600.00		
		- To Pull and Reset Meter	10"	\$600.00		
72	72.05 D. A.	Type I Fine				
		- First Violation		\$100.00		
		- Second Violations		\$200.00		
		- Third or each additional violation of that same ordinance or requirement within a twelve-month period		\$500.00		
		Type II Fine	Will not exceed per each day the violation is identified or continues.	\$5,000.00		
		Type III Fine	Fine up to amount specified per each day the violation is identified or continues.	\$500.00		
		Type IV Fine	Fine up to amount specified per each day the violation is identified or continues.	\$500.00		

Section #	Code #	Fee Description	Meter Size	Charges		
State Water Code	#71630 & Annual Board Resolution #4142	Water Availability/Standby Annual Special Assessment Charge	Less than one-acre all I.D.s & Outside an I.D.	\$10.00		
			Per acre in I.D. 1, 5, & Outside an I.D.	\$10.00		
			Per acre in I.D. 2,3,7,9,10,19,20,22,25, & 27	\$30.00		
			Less than one-acre Outside I.D. and greater than one mile from District facilities.	\$3.00		
			Per acre for outside I.D. & greater than one mile from District facilities.	\$3.00		
State Water Code	#71630 & Annual Board Resolution #4142	Sewer Availability/Standby Annual Special Assessment Charge	Less than one acre I.D. 4, 14, & 18	\$10.00		
			Per acre I.D. 4, 14, & 18	\$30.00		
Annual Board Resolution		General Obligation Bond Annual Tax Assessment	Per \$1000 of assessed value for I.D. 27	\$0.005		

Policies

5	Copies of Identifiable Public Records	\$0.10/page		
	Cassette Tape Duplication	\$2.00/tape		
	Yearly Subscription Service for Agendas and Ratified Minutes	\$20.00/year or \$0.50/meeting		
	Yearly Subscription Service for Board Packet and Ratified Minutes	\$100.00/year for first copy and \$200.00/year for each copy thereafter		

Otay Water District
Appendix A

Exhibit 2

Section #	Code #	Fee Description	Meter Size	Charges	
9	9.04 A.1.	District Annexation Processing Fee		\$763.76	
	9.04 B.	Annexation Fees for Water Annexations into Otay Water District Boundaries		Districtwide Annexation Fee	
			3/4"	\$1,844.40	
			1"	\$4,611.00	
			1-1/2"	\$9,222.00	
			2"	\$14,755.20	
			3"	\$29,510.40	
			4"	\$46,110.00	
			6"	\$92,220.00	
			8"	\$147,552.00	
			10"	\$212,106.00	
	9.04 C.4.	Annexation Fees for Annexations to Sewer Improvement Districts per EDU		\$1,056.61	
10	10.01	Waiver Request		\$50.00	
23	23.04	Backflow Certification			
		- Second Notification		\$10.00	
		- Third Notification		\$25.00	
		- Reconnection (service resumed)		\$50.00	
		- Initial Filing Fee (New applicants for addition to the list of approved backflow prevention device testers)		\$25.00	
		- Renewal Filing Fee (to remain on list of approved backflow prevention device testers)	Annually	\$10.00	
25	25.03 A.	Set-up Fees for Accounts		\$10.00	
25	25.03 C.	Monthly Fixed System Charges, MWD & CWA Charges ⁽¹⁾	Meter Size	System Charge	MWD & CWA Fixed Charge
			3/4"	\$15.91	\$15.00
			1"	\$22.47	\$27.84
					Total Fixed Charge
					\$30.91
					\$50.31

⁽¹⁾ All Water used in December and billed in January 2017.

Section #	Code #	Fee Description	Meter Size		Charges		
25	25.03 C.	Monthly Fixed System Charges, MWD & CWA Charges (continued) ⁽¹⁾	1-1/2"		\$38.88	\$62.96	\$101.84
			2"		\$58.55	\$107.08	\$165.63
			3"		\$111.04	\$227.75	\$338.79
			4"		\$170.10	\$364.72	\$534.82
			6"		\$334.18	\$746.59	\$1,080.77
			8"		\$531.05	\$1,205.65	\$1,736.70
			10"		\$760.72	\$1,735.39	\$2,496.11
25	25.03 E.1.(b)	Domestic Residential Water Rates ⁽¹⁾ (The Conservation Tier discount applies toward the first five units of water when overall consumption is ten units or less.)	Conservation Tier	Unit	Charge		
				0 - 5	\$2.53		
				6-10	\$3.95		
				11-22	\$5.13		
				23 or more	\$7.90		
25	25.03 E.2.(b)	Multiple Residential Water Rates - Per Dwelling Unit ⁽¹⁾					
				0-4	\$3.90		
				5-9	\$5.05		
				10 or more	\$7.80		
25	25.03 E.3.(b)	Business and Publicly-Owned Water Rates ⁽¹⁾	under 10"				
				0-185	\$4.17		
				186-1,400	\$4.23		
				1,401 or more	\$4.30		
			10" & larger				
				0-7,426	\$4.17		
				7,427-14,616	\$4.23		
				14,617 or more	\$4.30		
25	25.03 E.4.(c)	Irrigation and Commercial Agricultural Using Potable Water Rates ⁽¹⁾	1" & smaller				
				0-54	\$5.68		
				55-199	\$5.74		
				200 or more	\$5.81		
			1.5" & 2"				
				0-144	\$5.68		
				145-355	\$5.74		
				356 or more	\$5.81		
			3" & larger				
				0-550	\$5.68		
				551-1,200	\$5.74		
				1,201 or more	\$5.81		
⁽¹⁾ All Water used in December and billed in January 2017.							

Section #	Code #	Fee Description	Meter Size		Charges		
25	25.03 E.5.(c)	Recycled Water ⁽¹⁾	3/4" - 1"	0-32	\$4.85		
		(Landscape Irrigation and Certain		33-75	\$4.92		
		Non-Irrigation Purposes Rates)		76 or more	\$4.99		
			1.5" & 2"	0-130	\$4.85		
				131-325	\$4.92		
				326 or more	\$4.99		
			3" & 4"	0-440	\$4.85		
				441-1,050	\$4.92		
				1,051 or more	\$4.99		
			6" & larger	0-4,000	\$4.85		
				4,001-10,000	\$4.92		
				10,001 or more	\$4.99		
25	25.03 E.6.(c)	Recycled Commercial ⁽¹⁾	under 10"	0-173	\$3.53		
				174-831	\$3.60		
				832 or more	\$3.65		
			10" & larger	0-7,426	\$3.53		
				7,427-14,616	\$3.60		
				14,617 or more	\$3.65		
25	25.03 E.7.(b)	Potable Temporary and Construction Water Service Rates ⁽¹⁾	1" & smaller	0-54	\$11.36		
				55-199	\$11.48		
				200 or more	\$11.62		
			1.5" & 2"	0-144	\$11.36		
				145-355	\$11.48		
				356 or more	\$11.62		
			3" & larger	0-550	\$11.36		
				551-1,200	\$11.48		
				1,201 or more	\$11.62		
25	25.03 E.8.(b)	Recycled Temporary and Construction Water Service Rates ⁽¹⁾	3/4" - 1"	0-32	\$9.70		
				33-75	\$9.84		
				76 or more	\$9.98		
⁽¹⁾ All Water used in December and billed in January 2017.							

Section #	Code #	Fee Description	Meter Size		Charges			
25	25.03 E.8.(b)	Recycled Temporary and Construction Water Service Rates (continued) ⁽¹⁾	1.5" & 2"	0-130	\$9.70			
				131-325	\$9.84			
				326 or more	\$9.98			
			3" & 4"	0-440	\$9.70			
				441-1,050	\$9.84			
				1,051 or more	\$9.98			
			6" & larger	0-4,000	\$9.70			
				4,001-10,000	\$9.84			
				10,001 or more	\$9.98			
			25	25.03 E.10.(b)	Tank Trucks Water Rates ⁽¹⁾	1" & smaller	0-54	\$11.36
							55-199	\$11.48
							200 or more	\$11.62
1.5" & 2"	0-144	\$11.36						
	145-355	\$11.48						
	356 or more	\$11.62						
3" & larger	0-550	\$11.36						
	551-1,200	\$11.48						
	1,201 or more	\$11.62						
25	25.03 E.11.(c)	Application Fee for Water Service Outside District Boundaries					\$500.00	
25	25.03 E.11.(d)	Water Rate for Service Outside District Boundaries ⁽¹⁾				1" & smaller	0-54	\$11.36
							55-199	\$11.48
			200 or more	\$11.62				
			1.5" & 2"	0-144	\$11.36			
				145-355	\$11.48			
				356 or more	\$11.62			
			3" & larger	0-550	\$11.36			
				551-1,200	\$11.48			
				1,201 or more	\$11.62			
			25	25.03 E.12.(b)	Application Fee for Water Service Outside an Improvement District		\$275.00	
			⁽¹⁾ All Water used in December and billed in January 2017.					

Section #	Code #	Fee Description	Meter Size	Charges	
25	25.03 E.12.(c)	Water Rate for Service Outside Improvement District ⁽¹⁾	1" & smaller	0-54	\$11.36
				55-199	\$11.48
				200 or more	\$11.62
			1.5" & 2"	0-144	\$11.36
				145-355	\$11.48
				356 or more	\$11.62
			3" & larger	0-550	\$11.36
				551-1,200	\$11.48
				1,201 or more	\$11.62
25	25.03 E.13.(c)	Fire Service Monthly Charge	3" or less	\$20.77	
			more than 4"	\$27.98	
25	25.03 E.14.(b)	Additional Water Service for Property Not Subject to District Taxes	per unit	\$0.41	
25	25.03 E.15.(b)	Interim Service Water Rate in Improvement District 7 ⁽¹⁾	1" & smaller	0-54	\$11.36
				55-199	\$11.48
				200 or more	\$11.62
			1.5" & 2"	0-144	\$11.36
				145-355	\$11.48
				356 or more	\$11.62
			3" & larger	0-550	\$11.36
				551-1,200	\$11.48
				1,201 or more	\$11.62
25	25.03 F.	Energy Charges for Pumping Water ⁽¹⁾	Per 100 ft of lift over 450 ft per unit	\$0.044	
25	25.04 A.	Deposits for Non-Property Owners	3/4"	\$75.00	
			1"	\$150.00	
			1-1/2"	\$200.00	
⁽¹⁾ All Water used in December and billed in January 2017.					

Section #	Code #	Fee Description	Meter Size	Charges		
25	25.04 A.	Deposits for Non-Property Owner (continued)	2"	\$360.00		
			3"	\$800.00		
			4"	\$1,350.00		
			6"	\$3,300.00		
			8"	\$4,400.00		
			10"	\$5,500.00		
28	28.01 B.1.	Capacity Fees and Zone Charge		Districtwide Capacity Fee		
		- All IDs excluding Triad	3/4"	\$8,286.84		
			1"	\$20,717.10		
			1-1/2"	\$41,434.20		
			2"	\$66,294.72		
			3"	\$132,589.44		
			4"	\$207,171.00		
			6"	\$414,342.00		
			8"	\$662,947.20		
			10"	\$952,986.60		
		- TRIAD	3/4"	\$6,217.20		
			1"	\$15,543.00		
			1 -1/2"	\$31,086.00		
			2"	\$49,737.60		
			3"	\$99,475.20		
			4"	\$155,430.00		
			6"	\$310,860.00		
			8"	\$497,376.00		
			10"	\$714,978.00		
28	28.01 B.2.	New Water Supply Fee				
		- All IDs including Triad	3/4"	\$1,026.51		
			1"	\$2,566.28		
			1-1/2"	\$5,132.55		
			2"	\$8,212.08		
			3"	\$16,424.16		
			4"	\$25,662.75		
			6"	\$51,325.50		
			8"	\$82,120.80		
			10"	\$118,048.65		

Section #	Code #	Fee Description	Meter Size	Charges			
				Meter Cost	Installation	Total	Meter Box/Vault (if Needed)
28	28.02	Installation and Water Meter Charges	Meter Size				
		- Potable (Non-Irrigation)	3/4" x 7.5"	\$218.94	\$103.90	\$322.84	\$88.20
			3/4" x 9"	\$233.11	\$103.90	\$337.01	\$88.20
			1"	\$282.52	\$103.90	\$386.42	\$88.20
			1.5"	\$459.21	\$103.90	\$563.11	\$199.96
			2"	\$658.00	\$103.90	\$761.90	\$199.96
			3"	\$2,050.60	\$625.55	\$2,676.15	\$3,566.92
			4"	\$3,561.56	\$625.55	\$4,187.11	\$3,566.92
			6"	\$6,151.79	\$988.10	\$7,139.89	\$3,566.92
			8"	\$7,686.20	\$1,515.16	\$9,201.36	\$5,117.00
			10"	\$11,054.19	\$1,515.16	\$12,569.35	\$5,117.00
		- Potable/Recycled Irrigation	3/4" x 7.5"	\$218.94	\$103.90	\$322.84	\$224.79
			3/4" x 9"	\$233.11	\$103.90	\$337.01	\$224.79
			1"	\$282.52	\$103.90	\$386.42	\$224.79
			1.5"	\$459.21	\$103.90	\$563.11	\$224.79
			2"	\$658.00	\$103.90	\$761.90	\$224.79
			3"	\$1,419.22	\$625.55	\$2,044.77	\$3,566.92
			4"	\$2,763.01	\$625.55	\$3,388.56	\$3,566.92
			6"	\$4,974.31	\$988.10	\$5,962.41	\$3,566.92
			8"	\$6,626.67	\$1,515.16	\$8,141.83	\$5,117.00
			10"	\$4,903.75	\$1,515.16	\$6,418.91	\$5,117.00
		- Combined Fire and Domestic	4"	\$8,473.28	\$625.55	\$9,098.83	\$3,566.92
			6"	\$11,277.19	\$988.10	\$12,265.29	\$3,566.92
			8"	\$16,396.22	\$1,515.16	\$17,911.38	\$5,117.00
			10"	\$22,375.42	\$1,515.16	\$23,890.58	\$5,117.00
31	31.02 D.1.	Requirement of Temporary Meter for Service		minimum/per day	\$25.00		
31	31.03 A.1.	Requirement of Deposit for Temporary Meters	3/4"		\$156.85		
			1"		\$184.78		
			1-1/2"		\$379.62		
			2"		\$2,046.00		
			4"		\$1,986.00		
			6"		\$2,465.00		

Section #	Code #	Fee Description	Meter Size	Charges
31	31.03 A.1.	Requirement of Deposit for Temporary Meters (continued)		
		- Construction Trailer Temporary Meter	2"	\$2,046.00
		- Tank Truck Temporary Meter (Ordinance No. 372)	2"	\$850.00
31	31.03 A.4.	Temporary Meter Install & Removal		\$128.00
31	31.03 A.5.	Temporary Meter Move Fee (includes backflow certification)	3/4" - 2"	\$64.00
			3 and larger No backflow test	\$64.00
33	33.07 A.	Customer Request for Meter Test (Deposit)	5/8", 3/4" & 1"	\$25.00
			1-1/2" & 2 "	\$50.00
			3" & Larger	\$125.00
34	34.01 D.2.	Returned Check Charges		\$25.00
34	34.02 B.	Late Payment Charge		5% of Delinquent Balance
34	34.02 G.1.(d)	Delinquency Tag		\$10.00
34	34.02 G.3.(a)	Meter "Turn-On" Charge	During regular business hours	\$35.00
34	34.02 G.3.(b)	Meter "Turn-On" Charge	After regular business hours	\$65.00
53	53.03 A.1.	Sewer Capacity Fee per EDU for parcels within a Sewer ID		\$4,247.21
53	53.03 A.2.	Sewer Capacity Fee per EDU for parcels not within a Sewer ID		\$6,642.75
53	53.03 B.1.	Sewer Connection Fee - Russell Square		\$7,500.00
53	53.03 B.2.	Monthly Sewer Service Charge - Russell Square		\$200.00
53	53.10 & 11	Set-up Fees for Accounts		\$10.00
(2) Sewer billed beginning January 1, 2017.				

Section #	Code #	Fee Description	Meter Size		Charges
53	53.10	Residential Sewer Usage Fee ⁽²⁾		Rate multiplied by winter average units	\$2.58
53	53.10	Residential Sewer System Fee ⁽²⁾	5/8", 3/4" & larger		\$15.89
53	53.10 A.	Residential Sewer Without Consumption History ⁽²⁾	5/8", 3/4" & larger		\$40.01
53	53.10 B.	Multi-Residential Usage Fee - Sewer Without Consumption History ⁽²⁾			\$24.12
53	53.10 B.2.	Multi-Residential Usage Fee - Sewer ⁽²⁾		Rate multiplied by winter average units	\$2.58
53	53.10 B. 2.	Multi-Residential System Fee - Sewer ⁽²⁾	.75"		\$28.37
			1"		\$41.80
			1.5"		\$75.27
			2"		\$115.46
			3"		\$209.24
			4"		\$343.23
			6"		\$678.18
			8"		\$1,080.14
			10"		\$1,549.07
53	53.11	Commercial and Institutional Sewer Strength Factors	Low Strength	1	
			Medium Strength	2	
			High Strength	4	
53	53.11	Monthly Usage Fee for Commercial and Institutional Sewer ⁽²⁾	Rate multiplied by annual avg. units	Low Strength	\$2.58
				Medium Strength	\$3.70
				High Strength	\$5.90
53	53.11	Monthly System Fee for Commercial and Institutional Sewer ⁽²⁾	.75"		\$28.37
			1"		\$41.80
			1.5"		\$75.27
			2"		\$115.46
			3"		\$209.24
⁽²⁾ Sewer billed beginning January 1, 2017.					

Section #	Code #	Fee Description	Meter Size	Charges		
53	53.11	Monthly System Fee for Commercial and Institutional Sewer ⁽²⁾ (continued)	4"	\$343.23		
			6"	\$678.18		
			8"	\$1,080.14		
			10"	\$1,549.07		
60	60.03	Issuance of Availability Letters for Water and/or Sewer Service		\$75.00		
72	72.04 A.1.	Locking or Removing Damaged or Tampered Meters				
		- To Pull and Reset Meter	3/4" - 2"	\$170.00		
		- Broken Curbstop or Tabs	3/4" - 1"	\$192.00		
		- If Customer uses Jumper	3/4" - 1"	\$149.00		
		- Broken Lock/Locking Device	3/4" - 1"	\$56.00		
		- Cap Lock (Welded)	3/4" - 1"	\$158.00		
		- Broken Curbstop or Tabs	1.5" - 2"	\$265.00		
		- To Pull and Reset Meter	3"	\$351.00		
		- To Pull and Reset Meter	4"	\$454.00		
		- To Pull and Reset Meter	6"	\$454.00		
		- To Pull and Reset Meter	8"	\$600.00		
		- To Pull and Reset Meter	10"	\$600.00		
72	72.05 D. A.	Type I Fine				
		- First Violation		\$100.00		
		- Second Violations		\$200.00		
		- Third or each additional violation of that same ordinance or requirement within a twelve-month period		\$500.00		
		Type II Fine	Will not exceed per each day the violation is identified or continues.	\$5,000.00		
		Type III Fine	Fine up to amount specified per each day the violation is identified or continues.	\$500.00		
		Type IV Fine	Fine up to amount specified per each day the violation is identified or continues.	\$500.00		

Section #	Code #	Fee Description	Meter Size	Charges		
State Water Code	#71630 & Annual Board Resolution #4142	Water Availability/Standby Annual Special Assessment Charge	Less than one-acre all I.D.s & Outside an I.D.	\$10.00		
			Per acre in I.D. 1, 5, & Outside an I.D.	\$10.00		
			Per acre in I.D. 2,3,7,9,10,19,20,22,25, & 27	\$30.00		
			Less than one-acre Outside I.D. and greater than one mile from District facilities.	\$3.00		
			Per acre for outside I.D. & greater than one mile from District facilities.	\$3.00		
State Water Code	#71630 & Annual Board Resolution #4142	Sewer Availability/Standby Annual Special Assessment Charge	Less than one acre I.D. 4, 14, & 18	\$10.00		
			Per acre I.D. 4, 14, & 18	\$30.00		
Annual Board Resolution		General Obligation Bond Annual Tax Assessment	Per \$1000 of assessed value for I.D. 27	\$0.005		

Policies

5	Copies of Identifiable Public Records		\$0.10/page		
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Otay Water District FY 2017 Budget Workshop

May 23, 2016

Workshop Agenda

- ▶ Introduction and Objectives (Joe Beachem)
- ▶ Challenges and Strengths (Mark Watton)
- ▶ Economic Overview (Gary London, The London Group)
- ▶ Strategic Plan Initiatives (Adolfo Segura)
- ▶ Budget Highlights (Joe Beachem)
- ▶ Capital Improvement Budget (Rod Posada)
- ▶ Balanced Operating Budget (Kevin Koeppen)
- ▶ Staffing Highlights (Adolfo Segura)
- ▶ Materials and Maintenance (Jose Martinez)
- ▶ Administrative Costs (Kevin Koeppen)
- ▶ Conclusion (Kevin Koeppen)

Workshop Objectives

- ▶ Review FY 2017 - 2018 Strategic Plan
- ▶ Present a \$91.7 million Operating Budget
- ▶ Present a \$10.7 million CIP Budget
- ▶ Request approval of average rate increases effective January 1, 2017
 - Water 5.0%
 - Sewer 3.0%
- ▶ Request approval of the annual fund transfers
- ▶ Request approval of the Salary Schedule



Challenges & Strengths

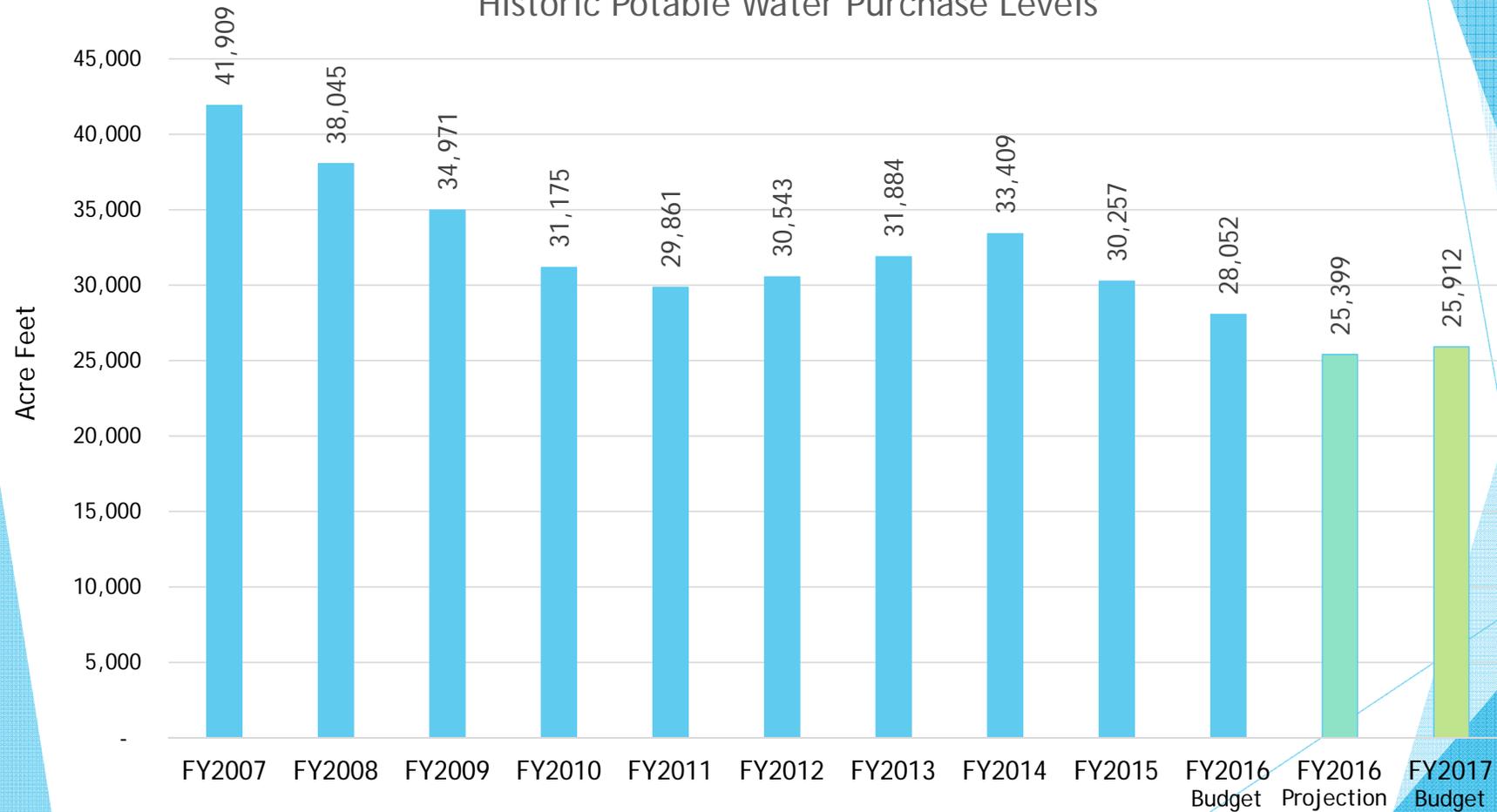
(Mark Watton)

Challenge #1 - Drought and Governor's Mandates

- ▶ May 5, 2015 - State Water Board adopted California Code of Regulations, title 23, section 866 and re-adopted sections 863, 864, and 865
 - ▶ 20% Conservation target
- ▶ February 2, 2016 - State Water Board extended mandatory conservation measures
 - ▶ 12% Revised conservation target
- ▶ The District is forecasting 18% conservation in FY 2017 vs. estimated 20% in FY 2016

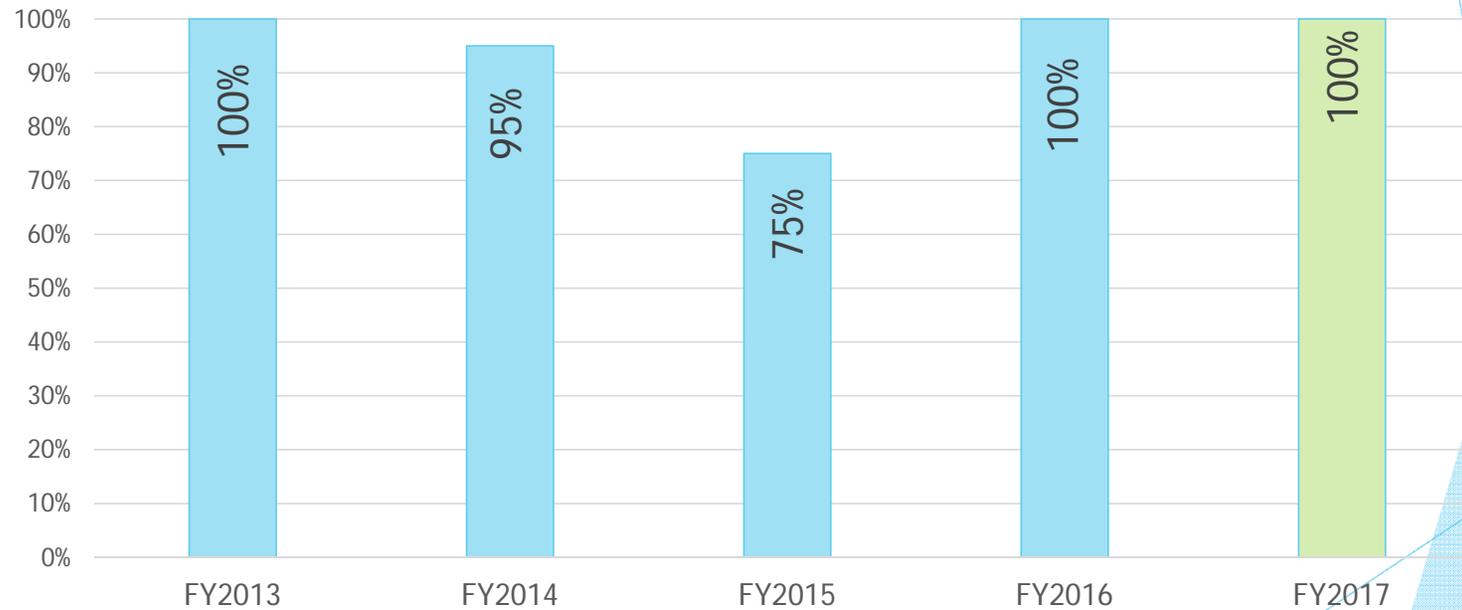
Challenge #2 - Water Conservation Levels

Historic Potable Water Purchase Levels



Challenge #3 - Water Dependency

Provider Percentage of Annual Rate Increases



On average 94% of District increases are due to supplier cost increases ⁷

Strengths

- ▶ Strategic Planning Process
- ▶ Efficiency Gains (Since 2007)
 - ▶ 23% headcount reduction
 - ▶ 35% increase in customers per FTE
- ▶ Bond Rating
 - ▶ S&P affirmed 'AA' rating
- ▶ Sound Financial Management
 - ▶ Reserve, debt and investment policies
 - ▶ External economist to assist with growth projections

Economic Overview

(Gary London, The London Group)

Strategic Plan

(Adolfo Segura)

Overview

Strategic Plan Timeline

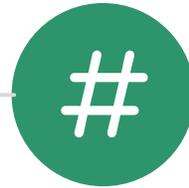
FY 2015
Implement Next
Generation Productivity
Systems



FY 2016
Focus on Process
Improvement Using New
System Data



FY 2017
Evolving Culture and
Fine Tuning Metrics



FY 2018
Continued
Evolution of
Programs in Place



Mission

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

Vision

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

Statement of Values



CUSTOMERS

We take pride that our commitment to customer-centered service is our highest priority.



EXCELLENCE

We strive to provide the highest quality and value in all that we do.



INTEGRITY

We commit ourselves to doing the right thing. Ethical behavior, trustworthiness, and accountability are the District's foundation.



EMPLOYEES

We see each individual as unique and important. We value diversity and open communication to promote fairness, dignity, and respect.



TEAMWORK

We promote mutual trust by sharing information, knowledge and ideas to reach our common goals.

Key Challenge

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

Balanced Scorecard Strategies and Goals



Deliver High Quality Services to Meet and Increase Confidence of the Customer

1. Increase customer confidence in the District
2. Improve and expand communications
3. Provide effective water services



Manage the Financial Issues that are Critical to the District

1. Improve financial information and systems
2. Maintain District financial strength



Maximize Efficiency and Effectiveness

1. Actively manage water supply as well as support for water and sewer services
2. Identify and evaluate improvements to enterprise and departmental business processes



Provide Leadership and Management Expertise

1. Reinforce a results-oriented and accountable culture
2. Focus on achieving a lean flexible workforce

What's New

in the FY 17-18 Strategic Plan

Objectives

31 Strategic Objectives

New Objectives



Evaluate
Implementation of an
On-line Performance
Management System



Evaluate Training and
Development Programs
for New and Existing
Supervisors/Managers

Completed Objectives



Enterprise E-Commerce
(Purchasing/Contracting)
Solution BidSync

Measures

44 Performance Measures

New Measures



Injury Incident Rate



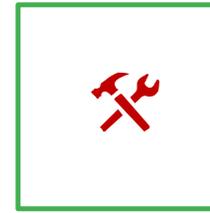
Accounts per FTE



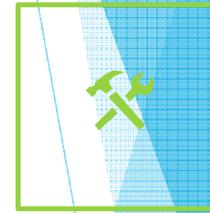
% of Customers Paying Bills Electronically



Health & Safety Severity Rate



Unplanned Disruptions (QualServe)



Planned Water Service Disruption Rates (QualServe)

Objectives and Measures

by Department

Administrative Services Objectives

1. Regularly produce and evaluate communication tools and explore the effective use of new media options
2. Enhance District's enterprise facilities physical security
3. Enhance District's enterprise confined space program
4. Evaluate implementation of an on-line performance management system
5. Negotiate a successor Memorandum of Understanding for represented employees for 2017
6. Enhance District's emergency response program
7. Evaluate opportunities to combine or transfer similar work functions
8. Evaluate training and development programs for new and existing Supervisors/Managers
9. Optimize SCADA program
10. Optimize asset management program
11. Advance business processes and efficiencies through implementation of technology

Administrative Services Measures

1. Customer Satisfaction
2. Employee Turnover Rate
3. Training Hours per Employee
4. Safety Training Program
5. Enterprise System Availability
6. Injury Incident Rate

Engineering Objectives

1. Evaluate City of San Diego pure water program planning/implementation
2. Address dependency of imported water
3. Evaluate sewer system business
4. Evaluate the viability of implementing an indirect potable reuse program
5. Evaluate efficiencies for delivering capital assets
6. Streamline work processes in four strategic areas
7. Revise business practices by modifying the master recycled water permit
8. Implement a habitat conservation plan that will streamline O&M within District easements

Engineering Measures

1. CIP Project Expenditures vs. Budget
2. Construction Change Order Incidence (without allowances)
3. Mark-out Accuracy
4. Project Closeout Time
5. Annual Recycled Water Site Inspections
6. Recycled Water Shutdown Testing
7. Planned Recycled Water Maintenance Ratio in Dollars
8. Recycled Water System Integrity

Finance Objectives

1. Enhance communications with customers
2. Evaluate and enhance the District's water conservation programs and services
3. Strengthen internal audit program
4. Implement a cost benefit program
5. Improve and streamline meter related processes

Finance Measures

1. Answer Rate
2. Billing Accuracy
3. Water Rate Ranking
4. Percent of Customers Paying Bills Electronically
5. Gallons per Capita per Day
6. Overtime Cost
7. Debt Coverage Ratio
8. Distribution System Loss
9. O&M Cost per Account
10. Sewer Rate Ranking
11. Reserve Levels
12. Accounts per FTE

Operations Objectives

1. Electric power and fuel management practices
2. Pressure vessel maintenance program
3. Evaluate requirements for future emergency communications system
4. Optimize operations inventory management
5. Operations workflow process evaluation
6. Leak detection and repair program
7. Streamline input of operations data

Operations Measures

1. Technical Quality Complaint (AWWA)
2. Planned Potable Water Maintenance Ratio in Dollars
3. Planned Wastewater Maintenance Ratio in Dollars
4. Direct Cost of Treatment per MGD
5. O&M Cost per MG Processed of Wastewater
6. Leak Detection Program
7. Percent of PMs Completed-Fleet Maintenance
8. Percentage of PMs Completed-Reclamation Plant
9. Percentage of PMs Completed-Pump/Electric Section
10. System Valve Exercising Program
11. Potable Water Distribution System Integrity
12. Potable Water Compliance Rate (AWWA)
13. Collection System Integrity (AWWA)
14. Sewer Overflow Rate (AWWA)
15. Emergency Facility Power Testing
16. Tank Inspection and Cleaning
17. Main Flushing and Fire Hydrant Maintenance
18. Critical Valve Exercising

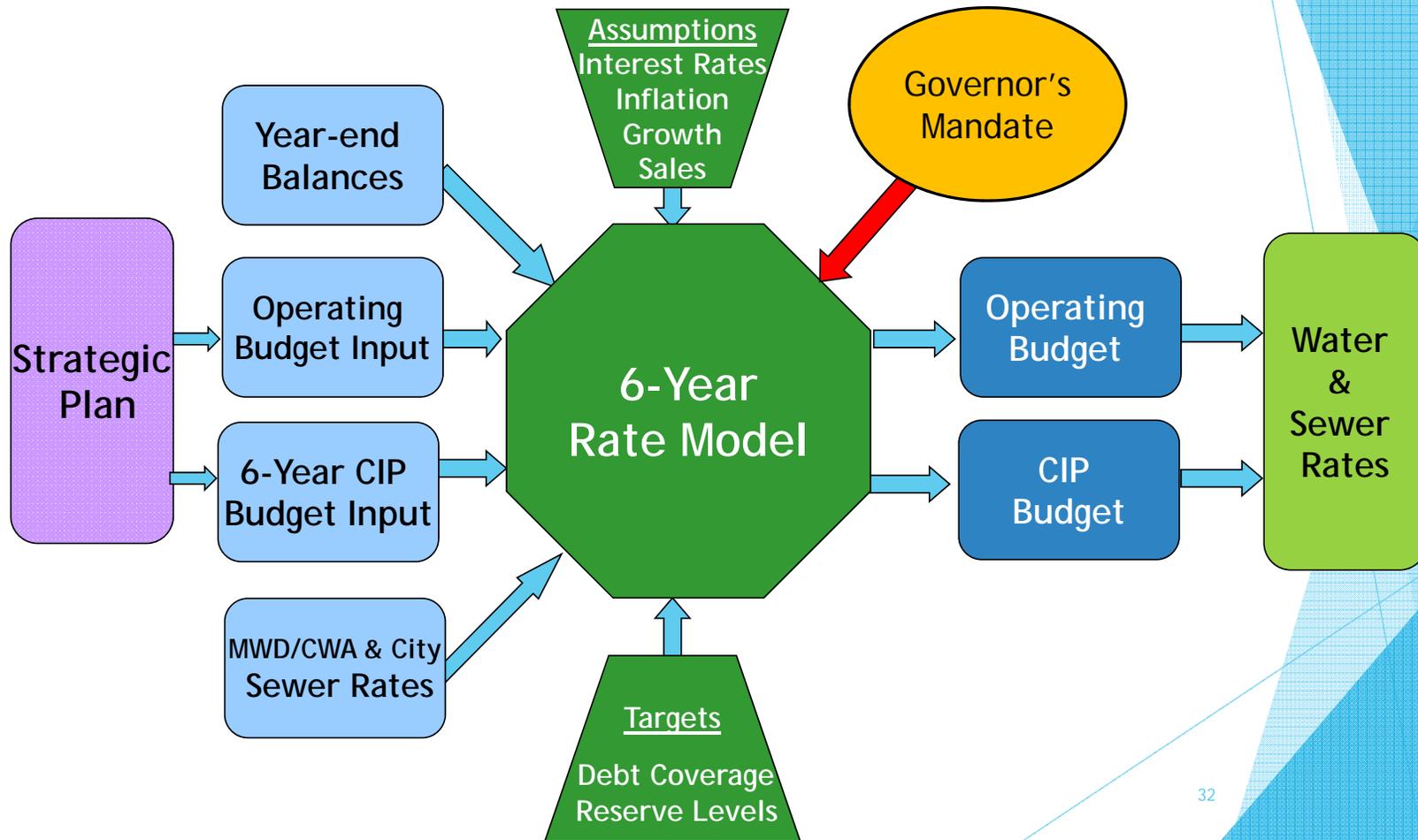
Next Steps

Continue to evolve key processes and programs with the goal of improving efficiencies and organizational performance.

Budget Highlights

(Joe Beachem)

Rate Model and Budget Process

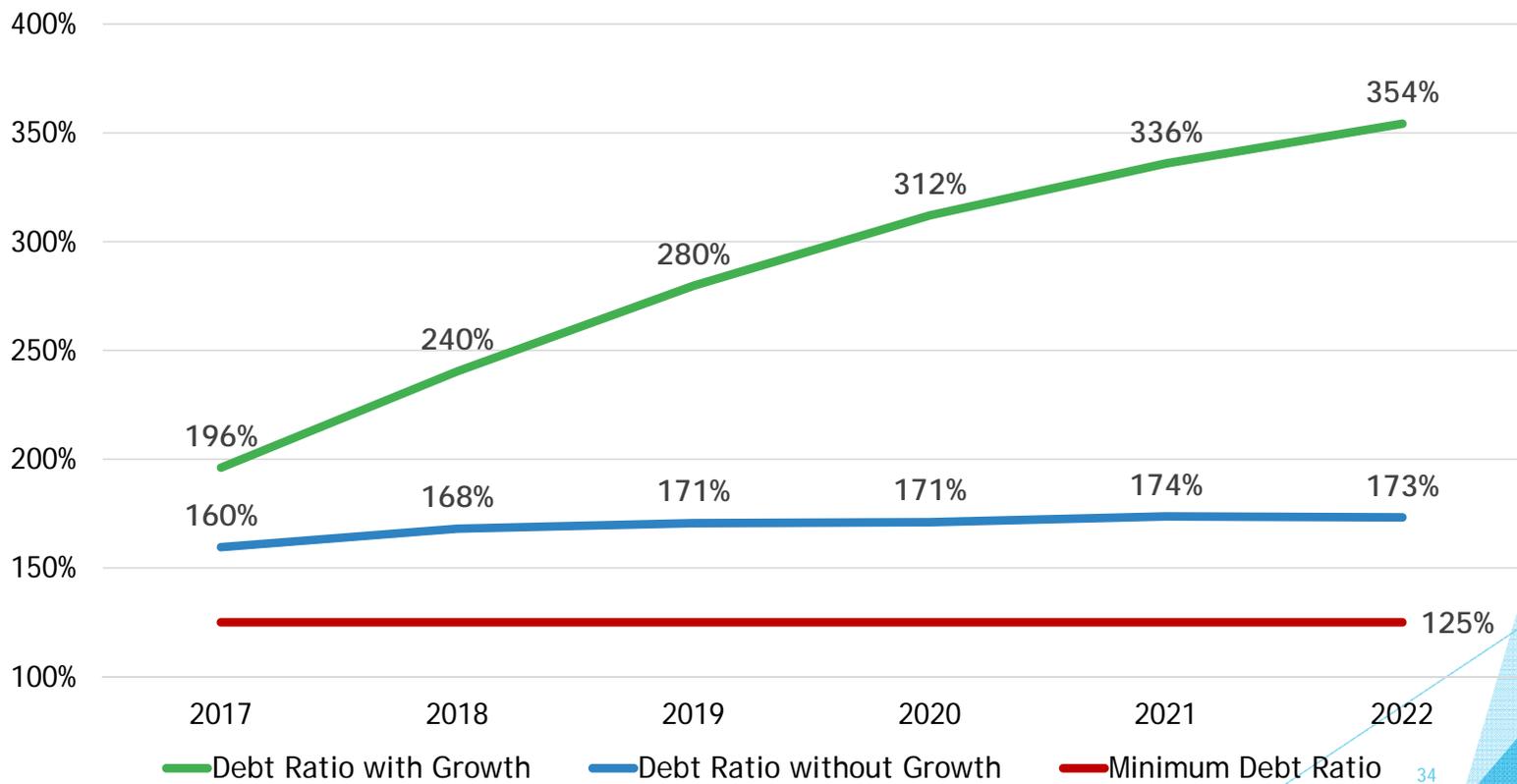


Budget Objectives

(Fiscal Year 2017)

- ▶ Rebuild the debt coverage target of 150%
- ▶ Fund the \$91.7 million Operating Budget
 - ▶ Minimize rate impacts of supplier cost increases
 - ▶ Rate setting built on reasonable projections
- ▶ Fund the \$10.7 million Capital Budget
- ▶ Maintain reserves at or above target
- ▶ Maintain water and sewer rate positions relative to other agencies in the region

Debt Coverage Ratios



Inter-Fund Transfers

Recycled

Designated Replacement to Designated Expansion \$ 232,900

Sewer

Designated Replacement to Designated Betterment \$ 32,800

Total Transfers \$ 265,700

Net Operating Revenues Transfers

	Potable	Recycled	Sewer	Total
General Fund Reserve	\$ 1,286,400	\$ 1,371,800	\$ 196,100	\$ 2,854,300
Expansion Reserve	3,638,000	455,600	-	4,093,600
Betterment Reserve	2,280,000	835,200	351,200	3,466,400
Replacement Reserve	464,500	-	-	464,500
Transfer to OPEB	872,300	51,200	37,500	961,000
Transfer to New Supply Fund	-	35,000	0	35,000
Total Reserve Funding	\$ 8,541,200	\$ 2,748,800	\$ 584,800	\$11,874,800

Operating Budget Highlights

Items holding down rates

- ▶ Full-time equivalents (FTEs) decrease from 138 to 135
- ▶ Administrative costs decrease of (\$237,700) or (4.4%)
- ▶ Materials & maintenance costs decrease of (\$156,500) or (4.3%)
- ▶ Refinancing 2007 COPS savings of \$320,000 in FY 2017 and \$1.8 million over the next six years
- ▶ Non-operating revenues increase of \$305,700 or 16.3%
- ▶ Reduction in 6-Year CIP of \$6.5 million to \$89.8 million

Operating Budget Highlights

Items putting upward pressure on rates

- ▶ Water sales reduction of 19% (in volume from 2013 sales)
- ▶ CWA rate increases:
 - ▶ Variable rate increase of 7.7%
 - ▶ Fixed costs increase of \$0.6 million
- ▶ City of San Diego recycled rate and “take or pay” increase of \$1.9 million
- ▶ Salary and benefit costs increase of \$518,900 or 2.5%

Potable and Recycled Budget Highlights

- ▶ 5.0% proposed average rate increase
- ▶ Average residential customer monthly volume decreased from 13 units to 11 units (15%)
- ▶ Average residential customer will see a \$1.21 increase in their monthly bill
- ▶ \$72.1 million CIP over six years
- ▶ No anticipated new debt issuances in the six-year rate model
- ▶ Reserves and debt coverage on target

Sewer Budget Highlights

- ▶ 3.0% proposed average rate increase
- ▶ Typical residential customer will see a \$0.88 decrease in their monthly bill
- ▶ \$17.7 million CIP over six years
- ▶ Sewer will seek \$3.0 million State Revolving Fund loan
- ▶ Reserves on target

Last Year vs. This Year

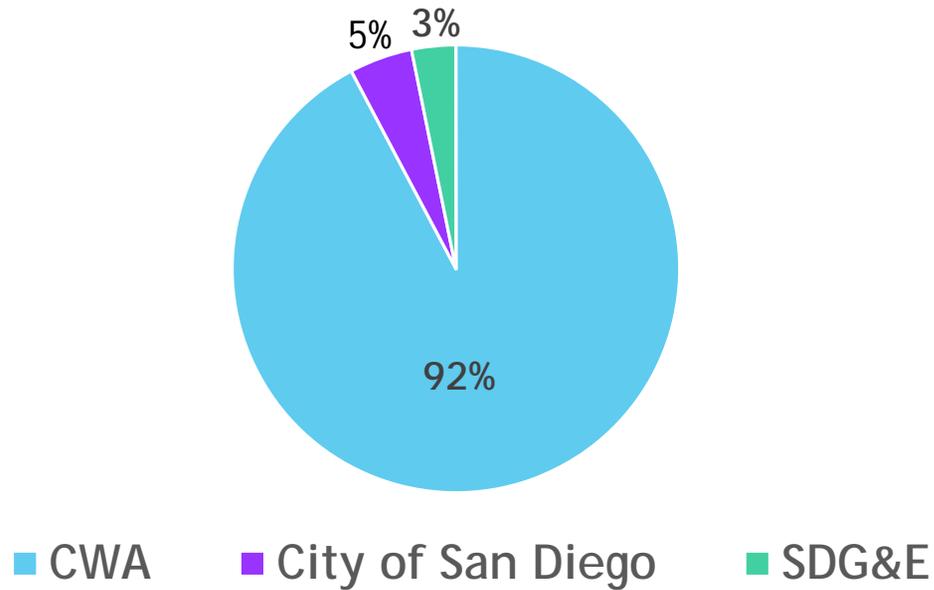
Projected Water Rate Increase							
	2016	2017	2018	2019	2020	2021	2022
FY16	9.9%	6.2%	6.2%	3.5%	3.5%	3.5%	
FY17		5.0%	5.0%	3.8%	3.7%	3.7%	3.7%

Debt Coverage Ratio (No Growth)							
	2016	2017	2018	2019	2020	2021	2022
FY16	142%	147%	161%	172%	172%	172%	
FY17		160%	168%	171%	171%	174%	173%

Projected Sewer Rate Increase							
	2016	2017	2018	2019	2020	2021	2022
FY16	0%	0%	0%	0%	0%	0%	
FY17		3.0%	3.0%	3.0%	3.0%	2.0%	2.0%

Proposed FY 2017 Water Rate Increase

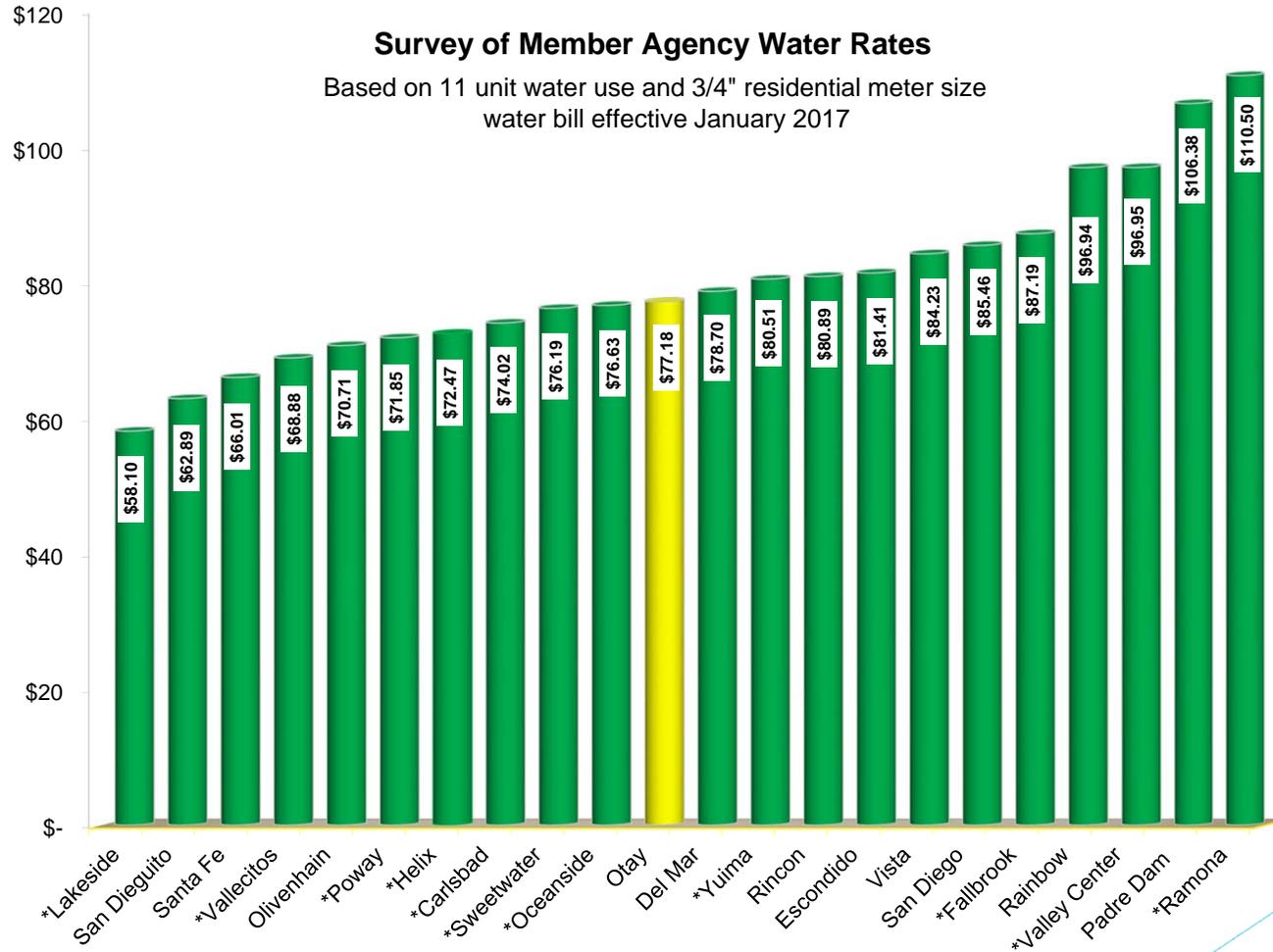
5.0% Rate Increase Due to Cost Increases



Note: The increase recycled water rate from the City of San Diego had a negative \$1.8MM impact on the District. This rate impact was accounted for in the March 1, 2016 rate increase of 4.1%.

Survey of Member Agency Water Rates

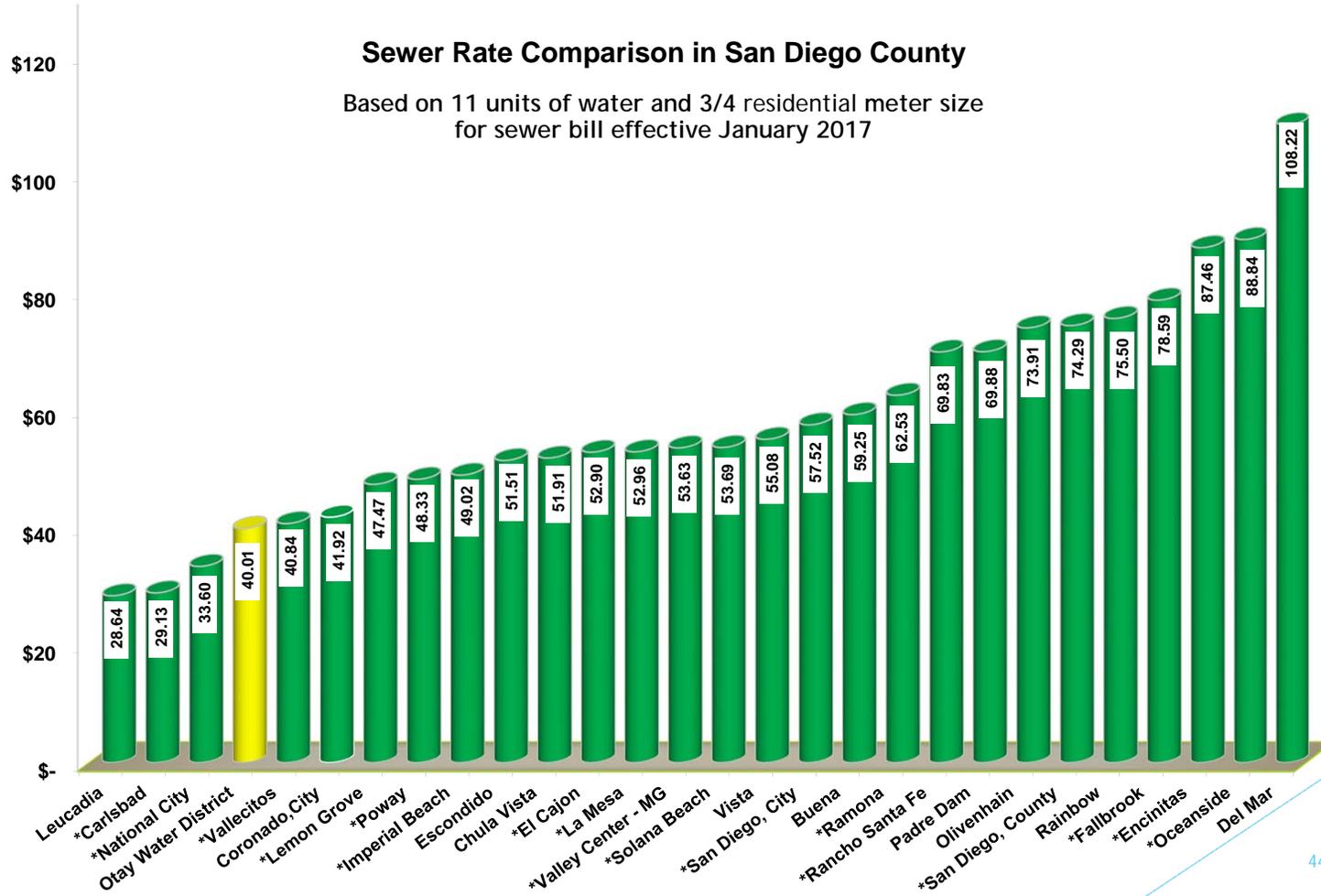
Based on 11 unit water use and 3/4" residential meter size water bill effective January 2017



* At the time of the survey in May 2016, the member agency's FY 2017 rate was unavailable. The estimated increase is equal to the District's FY 2017 average rate increase.

Sewer Rate Comparison in San Diego County

Based on 11 units of water and 3/4 residential meter size for sewer bill effective January 2017



Capital Improvement Program FY 2017-2022

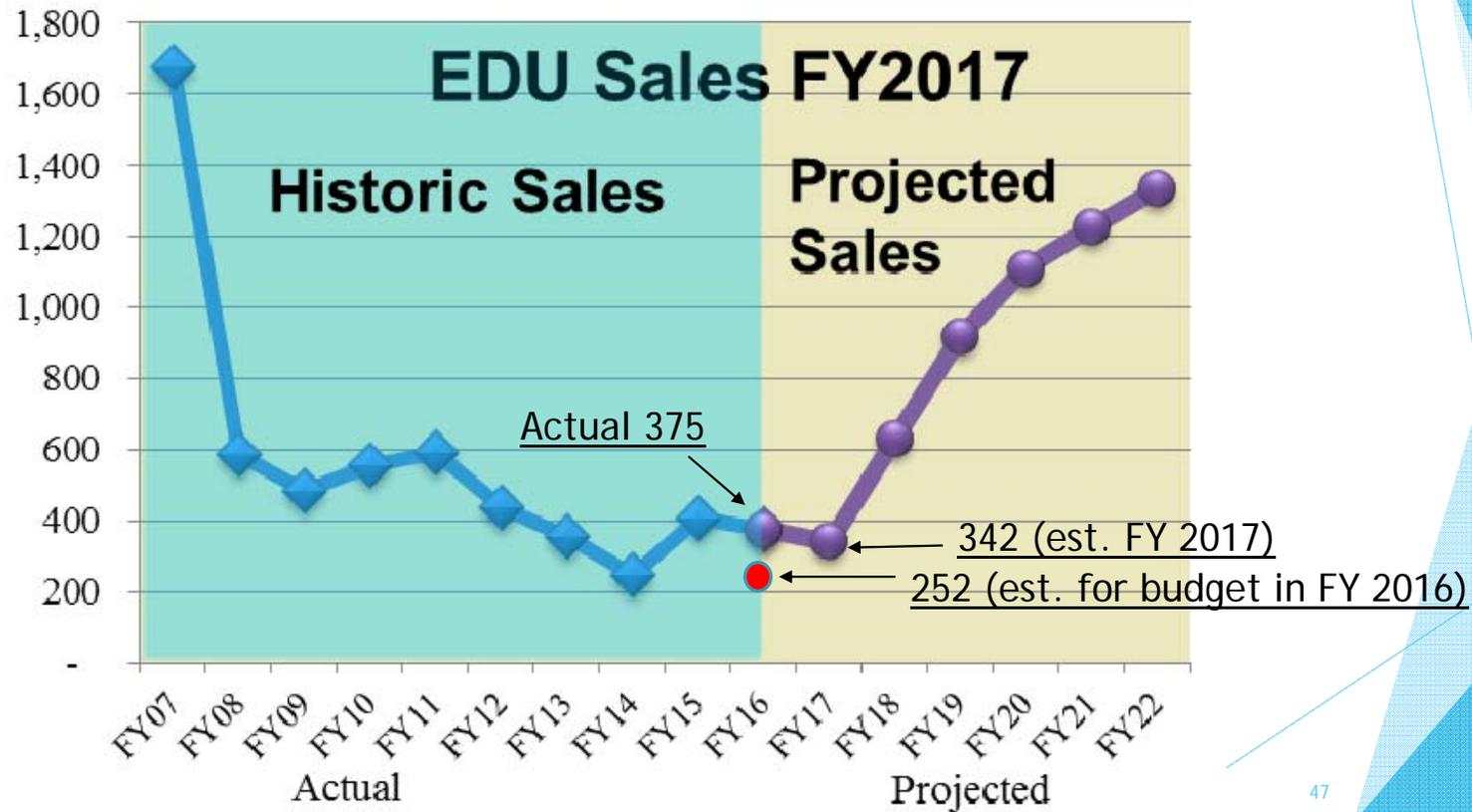
(Rod Posada)

Growth Projections¹

	FISCAL YEARS					
	2017	2018	2019	2020	2021	2022
Single-Family Dwelling Units	91	399	544	619	725	747
Condominium Units	204	232	347	649	669	788
Apartment Units	519	310	563	745	557	721
Non-Residential (Permit valuation in millions of dollars)	\$16	\$16	\$28	\$28	\$28	\$28

¹ Source: The London Group Realty Advisors Report March 2016

Meter Sales and Growth



CIP Budget Guidelines

- ▶ Growth to remain relatively flat for FY 2017
- ▶ New development with multi-family in greater proportion to single-family dwellings
- ▶ In preparing the budgets for the individual CIP projects, the Engineering Department used current construction and bidding data to adjust costs for each project
- ▶ Reprioritized projects based on District's planning documents and water supply assessment and verification reports

CIP Six-Year Budget Look Forward

(\$ millions)

FY 2016

	2016	2017	2018	2019	2020	2021
Totals	\$ 11.1	\$ 20.1	\$ 20.0	\$ 16.6	\$ 14.0	\$ 14.4
Six-Year Total:						\$ 96.2

FY 2017

		2017	2018	2019	2020	2021	2022
Totals		\$ 10.7	\$ 20.0	\$ 22.9	\$ 11.4	\$ 13.0	\$ 11.8
Six-Year Total:							\$ 89.8

High Profile CIP Projects

Fiscal Year 2017 (\$ millions)

870-2 PS and 571-1 Reservoir Improvements	\$ 0.5
14-Inch Force Main Improvements	\$ 1.0
711-1 and 711-2 Reservoir Improvements	\$ 0.5
978-1 and 850-2 Reservoir Improvements	\$ 1.5
Trenchless Sewer Rehabilitation	\$ 0.6
APCD Engine Replacement	<u>\$ 0.8</u>
<u>Total Expenditure Projection</u>	<u>\$ 4.9</u>

High Profile CIP Projects

Fiscal Year 2017 - 2022 (\$ millions)

1655-1 Reservoir	\$ 2.9
Force Main Improvements	\$ 1.9
870-2 Pump Station Replacement	\$15.3
Sewer System Rehabilitation Projects	\$ 3.2
Hillsdale and Vista Grande Pipeline Replacement	\$ 4.5
Reservoir Improvements	\$16.2
Campo Sewer Main Replacement	<u>\$ 7.3</u>
<u>Total Expenditure Projection</u>	<u>\$ 51.3</u>

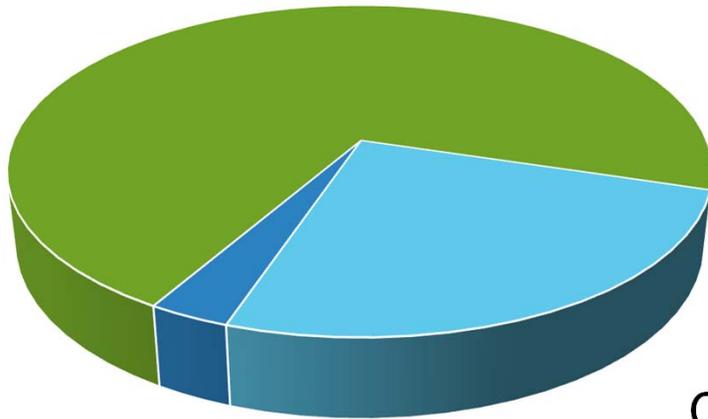
Otay Water District Initiatives

Fiscal Year 2017 - 2022 CIP Expenditure Projections

Total \$89.8 Million

REPLACEMENT / RENEWAL
PROJECTS

\$ 63.2 M
70%



CAPITAL PURCHASES

\$ 2.8 M
3%

CAPITAL FACILITIES PROJECTS
(includes Developer reimbursements)

\$ 23.8 M
27%

BALANCED OPERATING BUDGET

(Kevin Koeppen)

FY 2017 Operating Budget

- ▶ Budget Process
- ▶ Budget Details
 - ▶ Revenues and Expense Highlights
- ▶ Conclusion

Budget Process

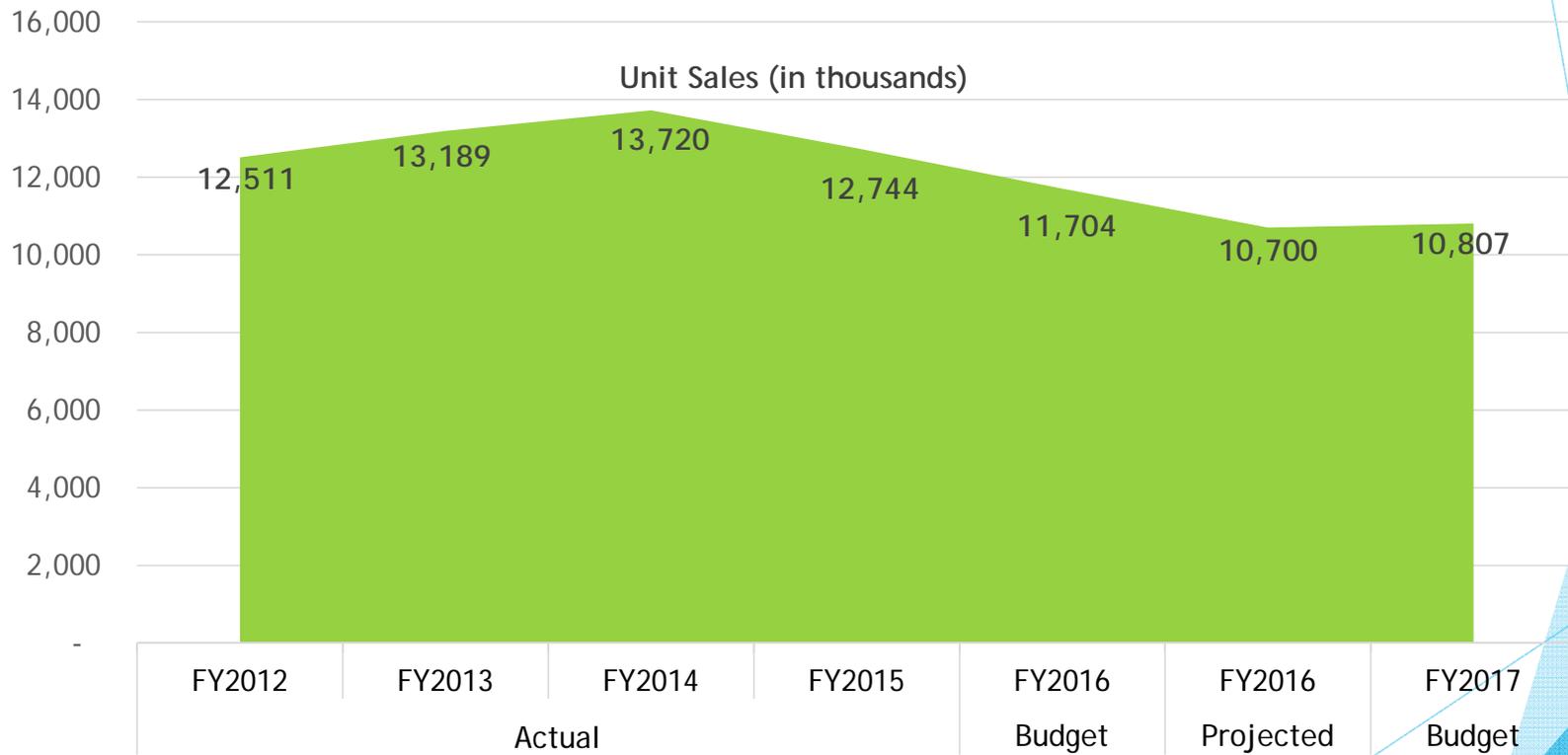
- ▶ Strategic plan objectives set the overall direction for the budgeting effort
- ▶ Each department submits budget requests assessing actual needs of the District
- ▶ Review of all Operating and CIP Budget requests with Chiefs, Assistant General Manager, and General Manager
- ▶ Review and incorporate reasonable assumptions on sales, growth, interest rates, and price inflators
- ▶ Evaluate cost-saving measures and make adjustments where prudent
- ▶ Recommend rates that support strategic plan initiatives, CIP, and operational needs

Sales Projections

- ▶ Sales projections for FY 2017 are based on FY 2016 projections plus 1% drought recovery
- ▶ Growth rates for FY 2018 through FY 2022 were developed using The London Group Realty Advisors' input

Potable Water Sales

Potable Water Sales
with 1% Increase from FY 2016 Actuals



Potable Rate Implementation - BMP 1.4

- ▶ 30% threshold for fixed revenues
- ▶ 36% projected for FY 2016

Recommend returning to the 30% threshold

- ▶ Rebalance \$1.1 million from fixed revenues to variable revenues
- ▶ Fixed CWA & MWD pass-through increase by \$0.6 million

Average Monthly Bill			
	5 Units	11 Units	18 Units
<i>Current Rates:</i>			
Variable Bill	\$11.88	\$40.22	\$72.17
Fixed Bill	35.75	35.75	35.75
Total Current	47.63	75.97	107.92
<i>Proposed Rates:</i>			
Variable Bill	13.39	46.27	83.22
Fixed Bill	30.91	30.91	30.91
Total Proposed	44.30	77.18	114.13
Increase(Decrease)	(\$3.32)	\$1.21	\$6.21
	-7.0%	1.6%	5.8%

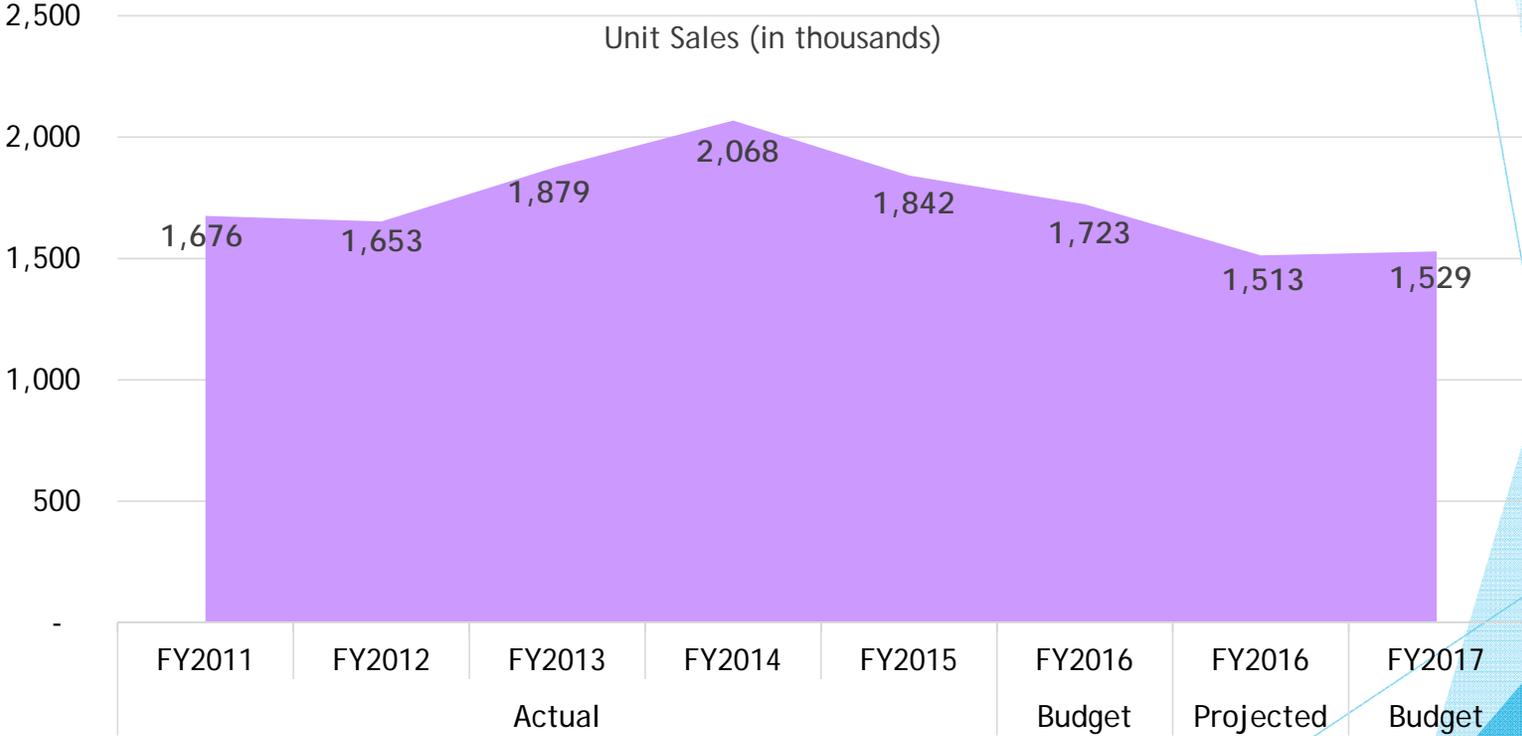
Potable Sales Revenues

- ▶ Sales dollar increase of \$2,454,900 or 3.5%
 - ▶ \$1,548,300 is due to FY 2017 assumed rate increases
 - ▶ \$ 906,600 is due to FY 2016 increases and volume changes

	FY 2015	FY 2016	FY 2017	Budget to Budget Variance	
	Actual	Budget	Budget	\$	%
Water Sales	\$ 44,025,774	\$ 41,344,900	\$ 44,450,600	\$ 3,105,700	7.5%
System Fees	12,380,370	13,292,300	12,204,600	(1,087,700)	-8.2%
Energy Fees	2,134,865	2,311,300	2,164,200	(147,100)	-6.4%
MWD and CWA Fixed Fees	10,846,411	11,946,600	12,535,200	588,600	4.9%
Penalties	894,569	888,600	884,000	(4,600)	-0.5%
Total Water Sales	\$ 70,281,989	\$ 69,783,700	\$ 72,238,600	\$ 2,454,900	3.5%

Recycled Water Sales

Recycled Water Sales
with 1% Increase from FY 2016 Projection



Recycled Sales Revenues

- ▶ Recycled sales dollar decrease of (\$215,700) or (2.4%)
 - ▶ \$148,000 increase due to FY 2017 assumed rate increase
 - ▶ (\$363,700) decrease due to FY 2016 rate increase offset by volume reductions

	FY 2015	FY 2016	FY 2017	Budget to Budget Variance	
	Actual	Budget	Budget	\$	%
Water Sales	\$ 6,412,122	\$ 6,694,500	\$ 6,702,300	\$ 7,800	0.1%
System Fees	431,121	464,300	432,800	(31,500)	-9.1%
Energy Fees	369,302	399,200	379,100	(20,100)	-5.0%
MWD and CWA Rebates	1,611,764	1,522,900	1,351,000	(171,900)	-11.3%
Penalties	28,701	35,100	35,100	-	-0.0%
Total Recycled Water Sales	\$ 8,853,010	\$ 9,116,000	\$ 8,900,300	\$ (215,700)	-2.4%

Sewer 5-year Summary

FY 2017 vs. FY 2016:

- ▶ \$4.0 million increase in six-year CIP
- ▶ \$0.3 million increase in operating expenses

Results:

- ▶ 3.0% average rate increases
- ▶ \$3.0 million proposed State Revolving Fund loan

Sewer Revenues

- ▶ Sewer revenues decrease of (\$287,400) or (9.0%)
 - ▶ Rate increases offset by the expiration of the system fee phase-in and reduction in winter average usage

	Actual	Budget	Budget	Budget to Budget Variance	
	FY 2015	FY 2016	FY 2017	\$	%
Sewer Charges	\$ 2,986,734	\$ 3,173,000	\$ 2,888,600	\$ (284,400)	-9.0%
Penalties	33,760	33,300	30,300	(3,000)	-9.0%
Total	\$ 3,009,634	\$ 3,206,300	\$ 2,918,900	\$ (287,400)	-9.0%

Other Revenues

- ▶ Tax revenues increase of \$135,200 or 3.5%
- ▶ Capacity fee revenues increase of \$113,400 or 10.0%
- ▶ Non-operating revenue increase of \$305,700 or 16.3%

Water Supply Costs

FY 2017 vs. FY 2016 Budget Increase of \$1.4 million or 3.1%

Changes in Supply Costs Due to:

Increases(Decreases) in Volume:

Potable Water	\$ (2.5)
Recycled Water	0.1

Increases in Supplier Variable Fees:

Potable Water	1.4
Recycled Water	1.8

} \$3.8 million

Increases (Decreases) in Supplier Fixed Fees:

CWA & MWD	0.6
-----------	-----

Total Water Cost Increase

\$ 1.4

Power Costs

- ▶ Power Cost Decrease of (\$174,800) or (5.6%)
 - ▶ Overall decline vs. budget due to FY 2016 conservation exceeding FY 2016 budget
 - ▶ Water demand increase of 1.0% for potable and recycled
 - ▶ The rate per kilowatt hour has increased 4.8% over last year's budgeted rate
 - ▶ The District anticipates another 2.0% increase in the rate for FY 2017

Staffing Highlights

(Adolfo Segura)

Staffing Highlights

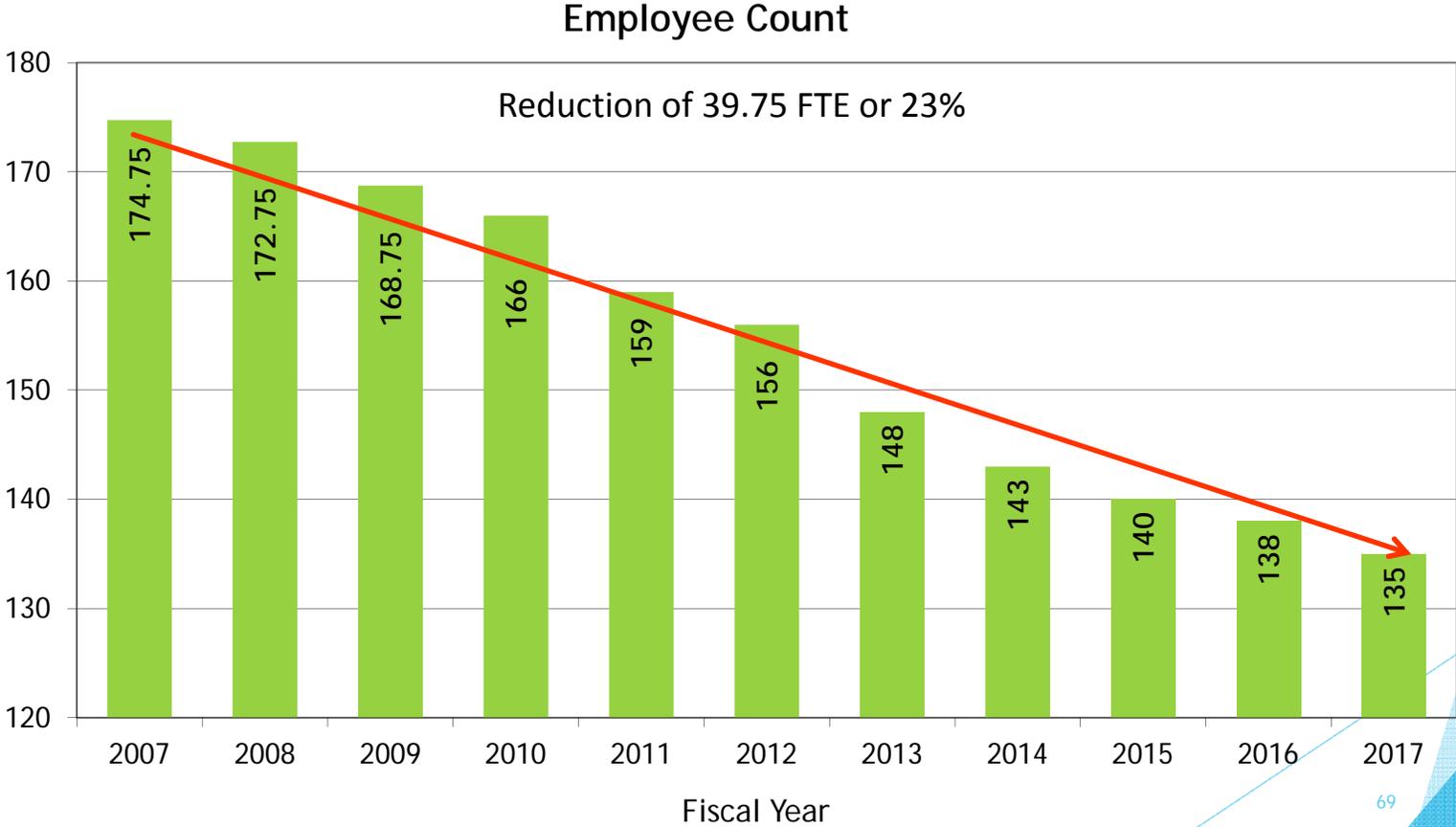
▶ Process

- ▶ The Senior Team and Section Managers continuously analyze workload requirements, cross-training opportunities, automation and areas where we can effectively share or reallocate resources

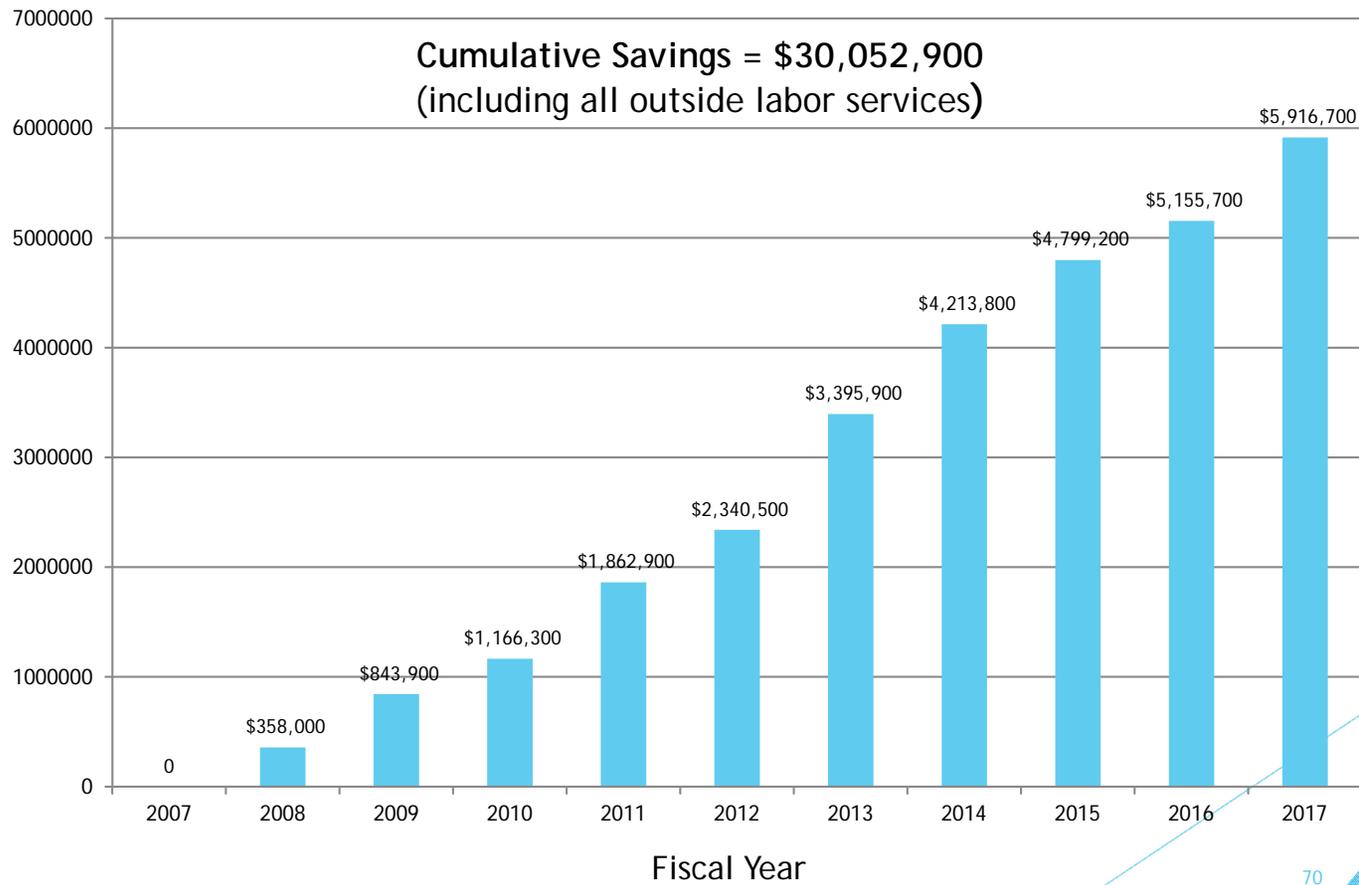
▶ Results

- ▶ Reduction of FTE's from 138 to 135

Staffing Reductions

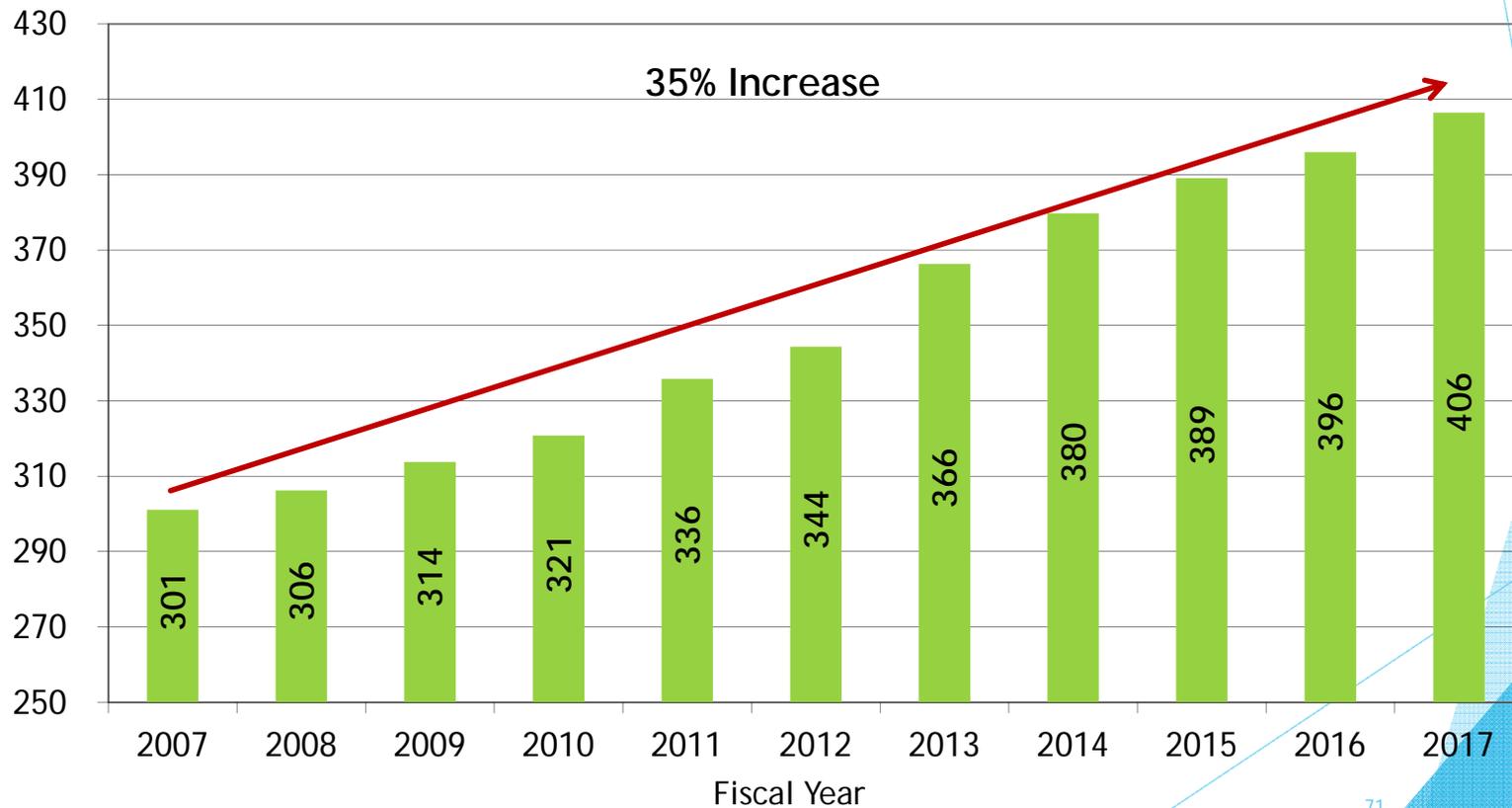


Cumulative Savings Due to Staffing Reductions



Efficiencies

Customers per FTE



Labor Costs

Overall Increase of \$518,900 or 2.5%

- ▶ Decreases in Salary and Benefits:
 - ▶ Decrease in staffing level of (\$336,300) or (1.0%)
 - ▶ Decrease in OPEB of (\$186,000) or (13.0%)
 - ▶ Decrease due to greater CIP allocation (\$84,800) or (3.6%)

Labor Costs (continued)

Increases in Salary and Benefits:

- ▶ Salaries for negotiated COLA and performance-based increases of \$341,300 or 3.0%
- ▶ Overtime, vacancy factor, vacation/sick, temp labor, and workers compensation of \$206,100 or 1.7%
- ▶ Pension costs of \$276,300 or 7.1%
- ▶ Health costs of \$246,300 or 6.1%
- ▶ Staff advancements of \$41,500 or 0.3%
- ▶ Other benefits such as Social Security and Medicare of \$14,500 or 1.5%

Materials & Maintenance Costs

(Jose Martinez)

Materials & Maintenance Costs

Overall decrease of (\$156,500) or (4.3%)

Decreases in the following categories:

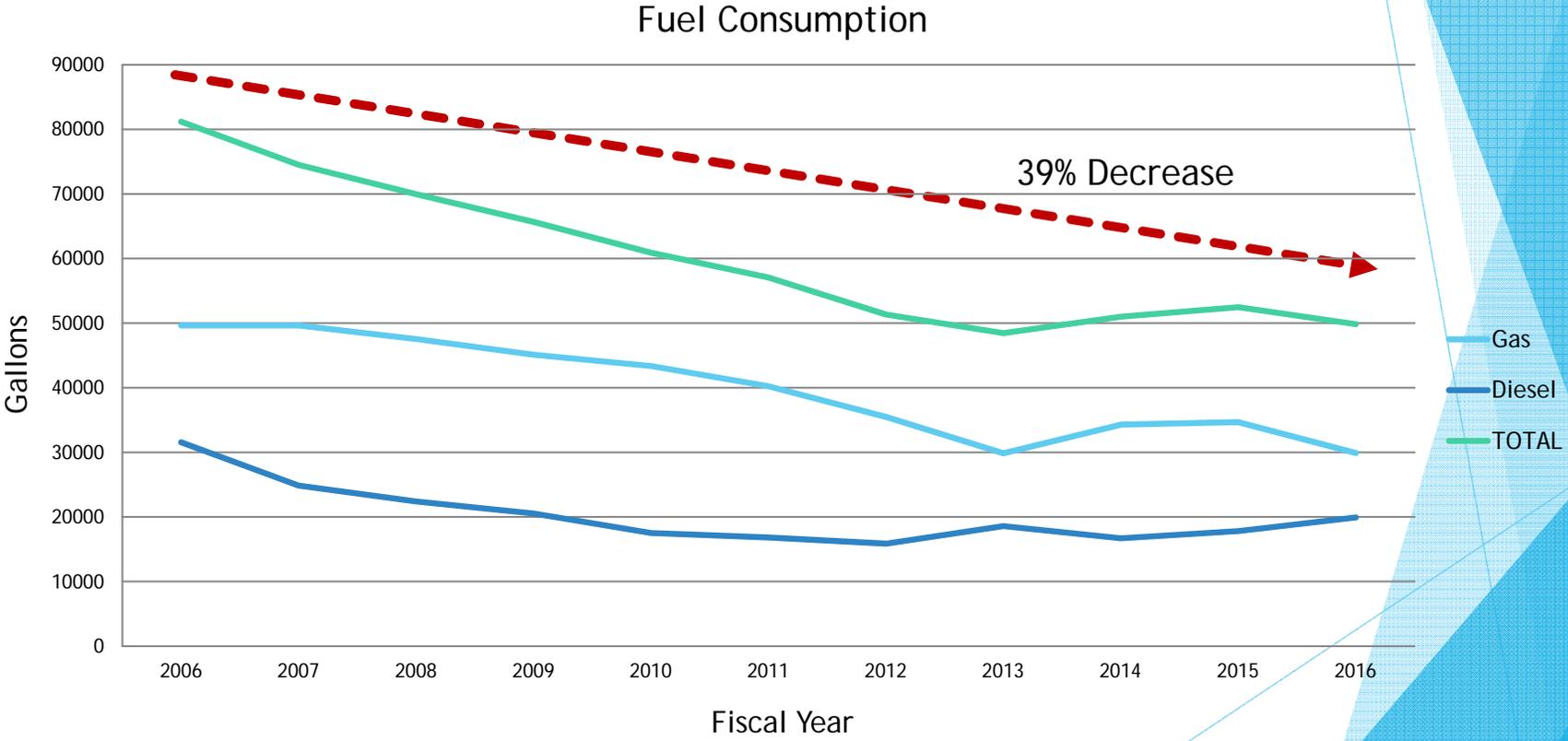
- ▶ Metro O&M charges of (\$160,000) or (19.6%)
- ▶ Safety equipment & other materials of (\$74,800) or (58.8%)
- ▶ Chemicals of (\$36,300) or (9.1%)
- ▶ Fuel and oil of (\$8,300) or (3.3%)
- ▶ Materials & supplies (\$8,200) or (4.3%)

Materials & Maintenance Costs (continued)

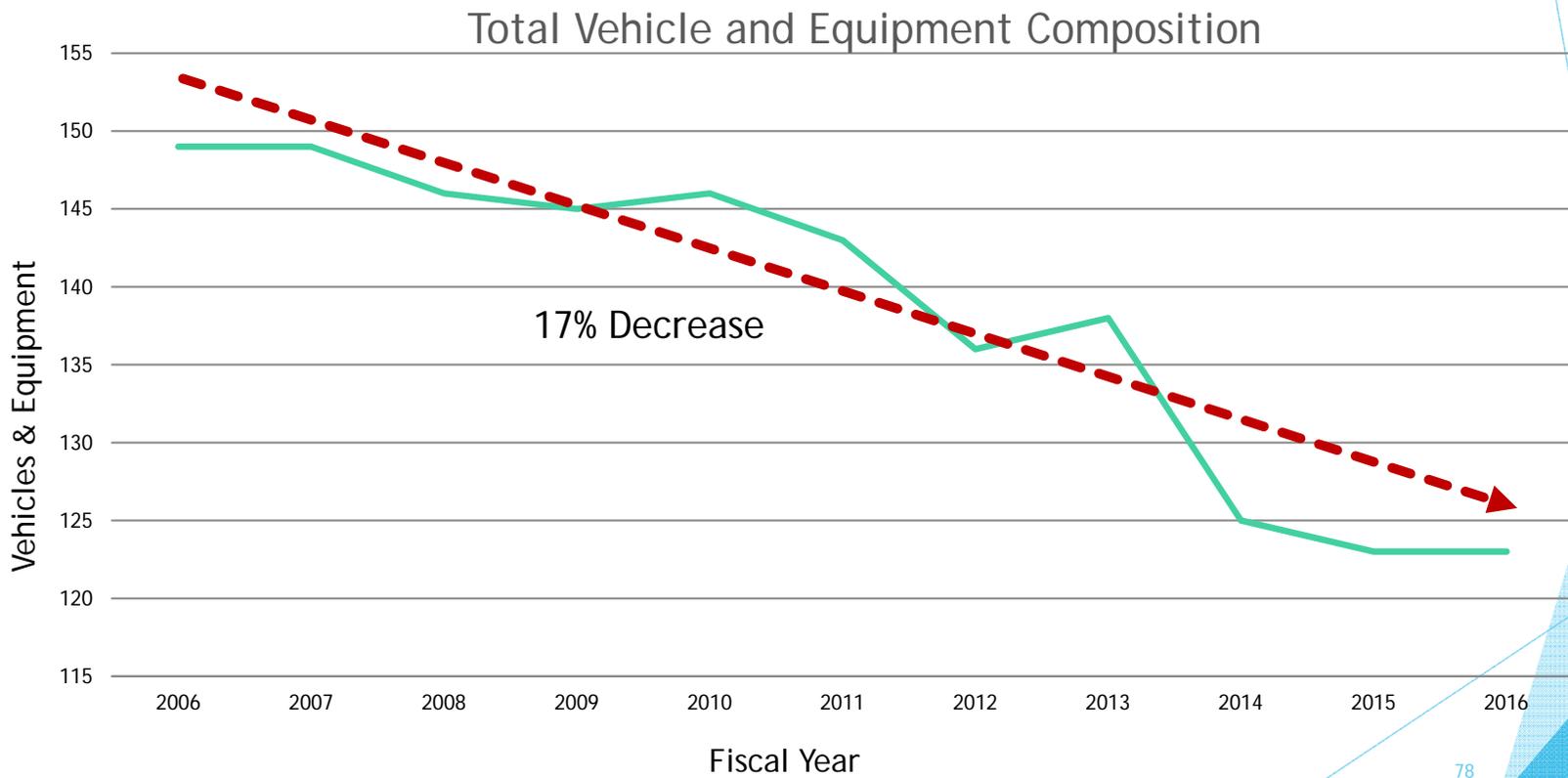
Offset by increases in the following categories:

- ▶ Contracted services of \$67,200 or 9.7%
- ▶ Meters and materials of \$45,400 or 39.9%
- ▶ Building & grounds materials and supplies of \$8,100 or 16.9%
- ▶ Increase in infrastructure equipment & supplies of \$5,400 or 0.9%
- ▶ Infrastructure & lab equipment \$5,300 or 13.3%

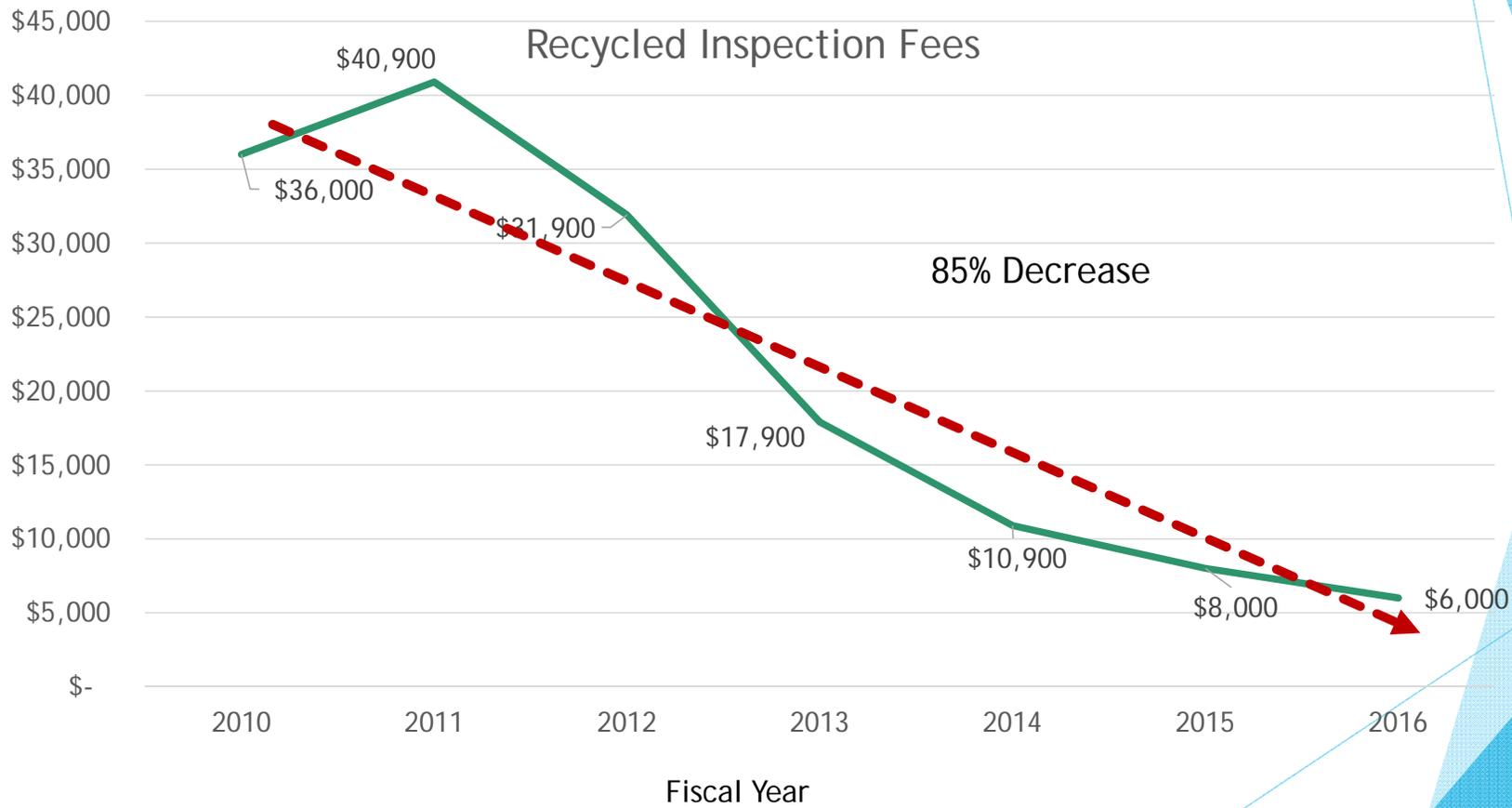
Fuel Consumption



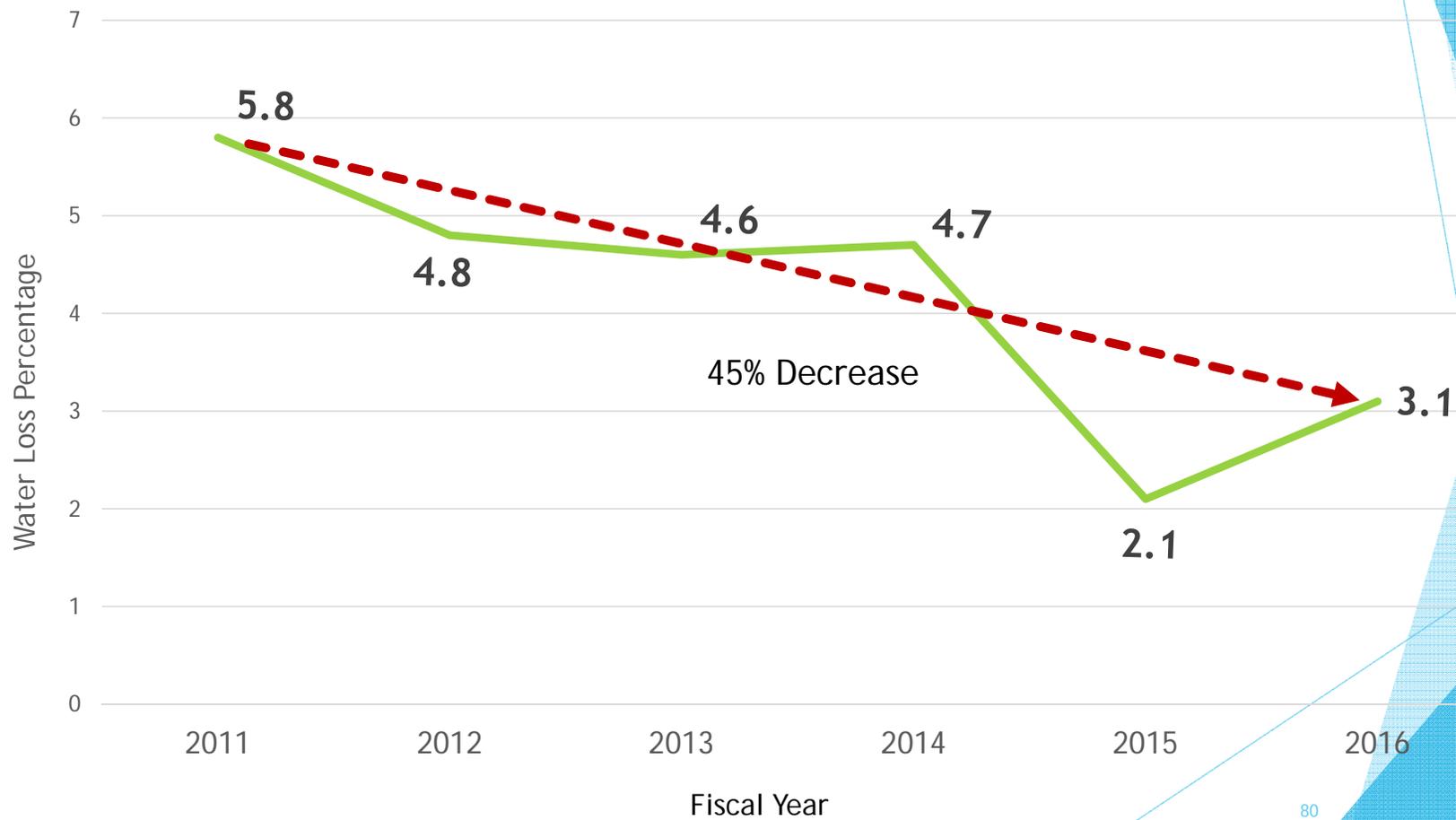
Vehicles and Equipment



Recycled Water DEH Charges

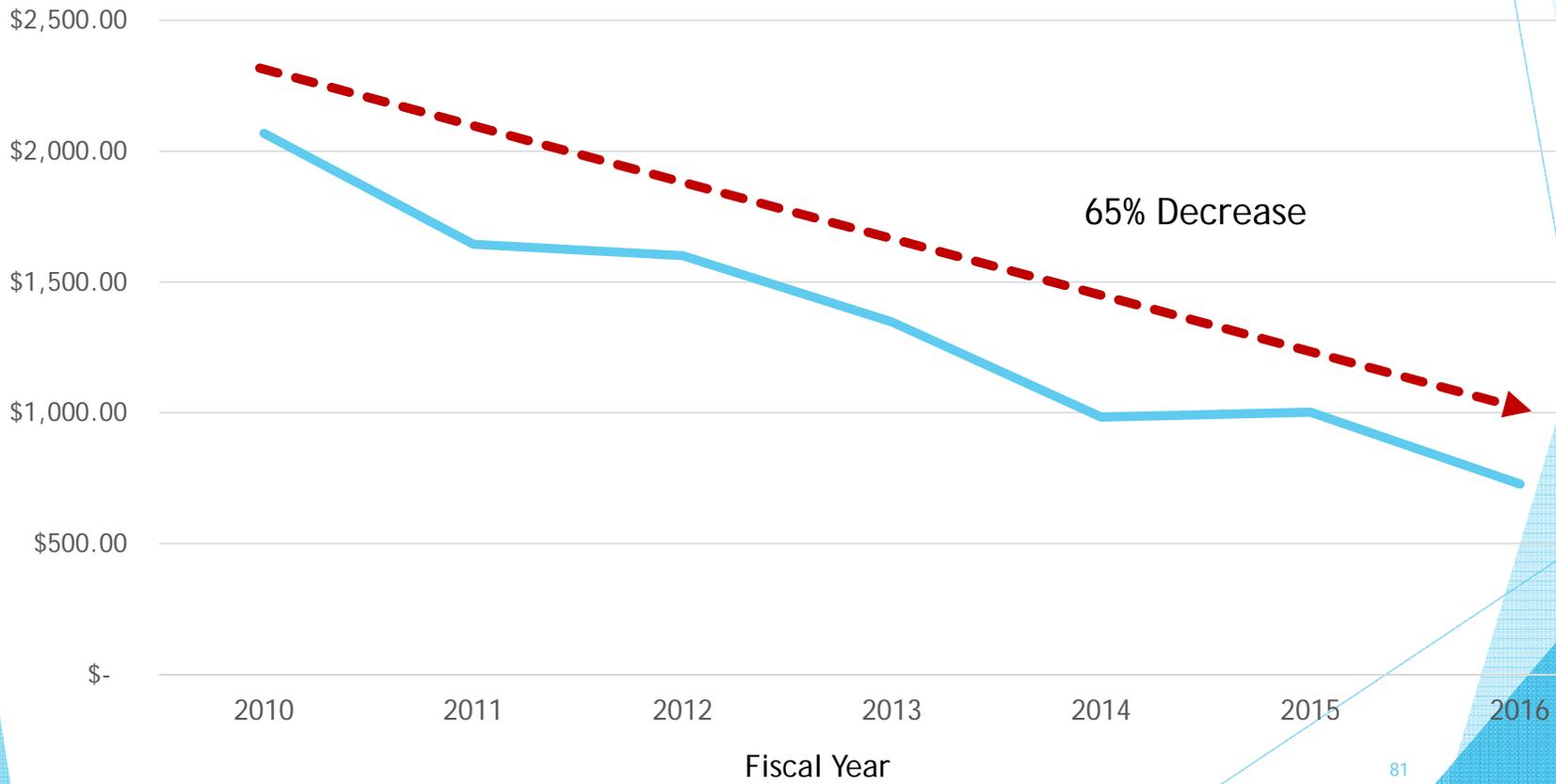


Historical Water Loss



Paving

Cost per Patch



Administrative Costs

(Kevin Koeppen)

Administrative Costs

Overall Decrease (\$237,700) or (4.4%)

Due to Decreases in the Following:

- ▶ Decrease in outside services of (\$225,000) or (13.6%)
- ▶ Decrease in temp services of (\$102,400) or (84.5%)
- ▶ Decrease in bad debt expense of (\$50,000) or (32.3%)
- ▶ Decrease in general expenses of (\$30,200) or (8.0%)
- ▶ Decreases in other categories of (\$7,700) or (1.0%)

Administrative Costs (continued)

- ▶ Offset by Increases in the Following:
 - ▶ Increase in fees of \$133,800 or 26.8%
 - ▶ Increase in training of \$27,000 or 27.3%
 - ▶ Increase in equipment of \$16,800 or 1.5%

Budget Summary

	Potable	Recycled	Sewer	Total
Revenues				
Water Sales	\$72,238,600	\$8,900,300	\$ -	\$81,138,900
Sewer Revenues	-	-	2,918,900	2,918,900
Other Revenues	7,583,600	8,700	91,400	7,683,700
Total Revenues	\$79,822,200	\$8,909,000	\$3,010,300	\$91,741,500
Expenditures				
Water Purchases	\$43,806,500	\$3,615,900	\$ -	\$47,422,400
Power	2,194,700	568,900	174,400	2,938,000
Labor and Benefits	18,581,400	1,339,200	979,300	20,899,900
Administrative Expenses	4,589,800	331,200	229,100	5,150,100
Materials & Maintenance	2,108,600	305,000	1,042,700	3,456,300
Reserve Funding	8,541,200	2,748,800	584,800	11,874,800
Total Expenditures	\$79,822,200	\$8,909,000	\$3,010,300	\$91,741,500

- ▶ **Balanced budget which meets the water and sewer needs of our customers and supports the Strategic Plan**

Conclusion

Requesting that the Board:

- ▶ Adopt Resolution No. 4302 to approve the FY 2016-2017 Operating and Capital Budget
- ▶ Approve fund transfers for potable, recycled, and sewer
- ▶ Adopt Ordinance No. 555 to amend Appendix A with the proposed 5.0% average water rate increase and 3.0% average sewer rate increase on all billings that begin in calendar year 2017
- ▶ Adopt the Salary Schedule
- ▶ Obtain direction to send rate increase notices

QUESTIONS?

*Otay Water District:
Economic Outlook 2016 & Beyond*

The London Group Realty Advisors



Gary London

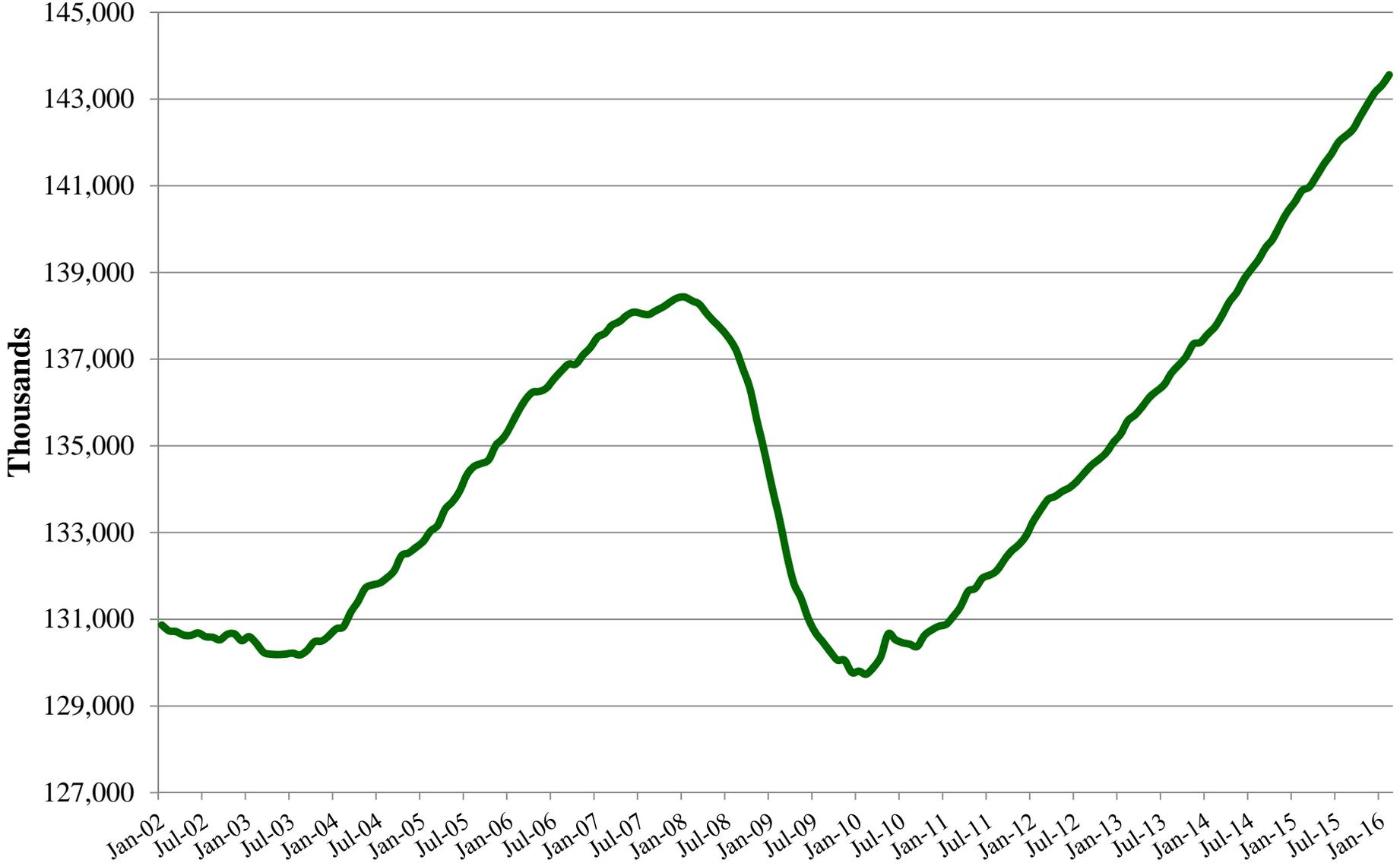
(619) 269-4010

gary@londongroup.com



UNITED STATES PAYROLL EMPLOYMENT

*Seasonally Adjusted- Monthly 2006 – Feb. 2016p**



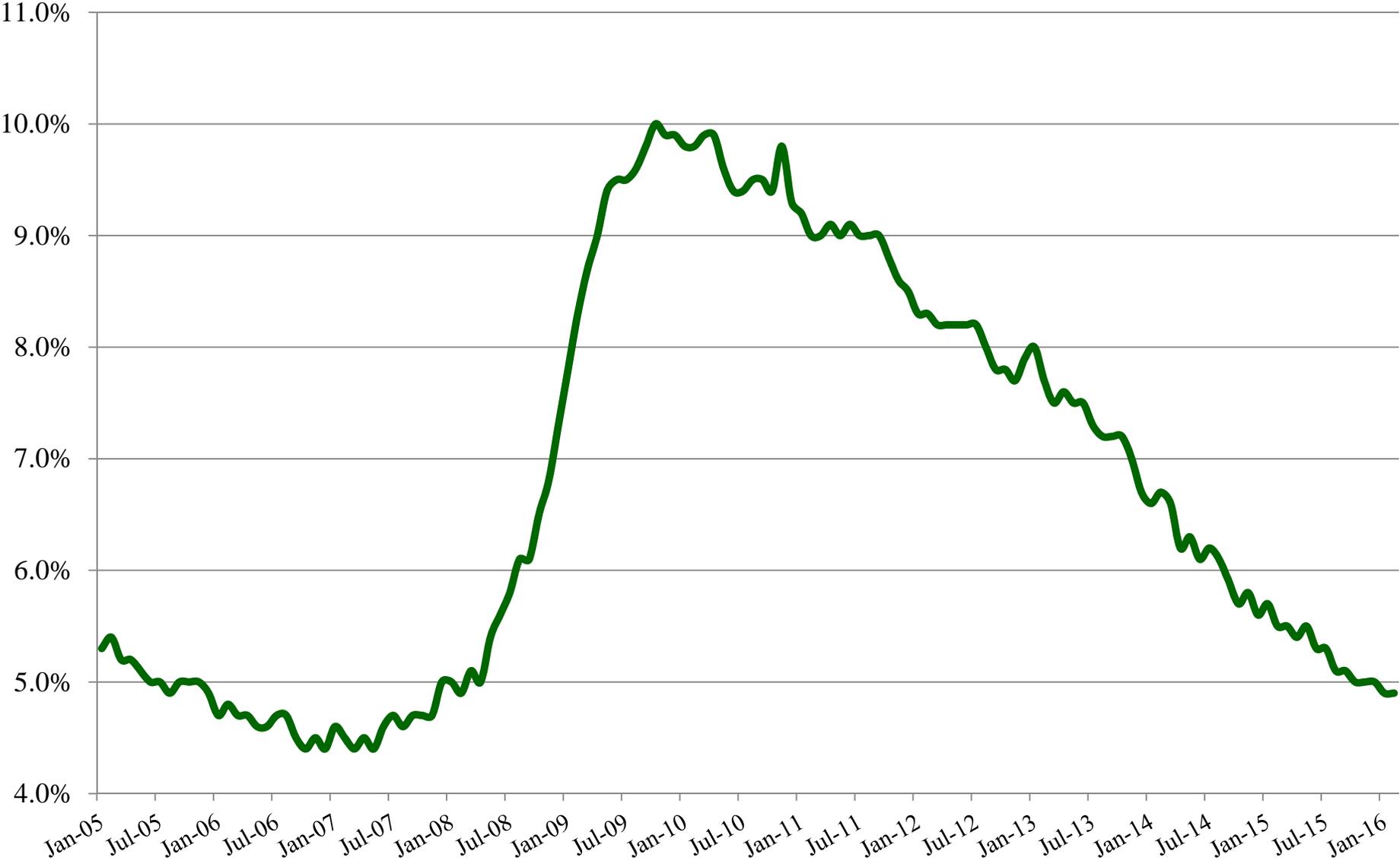
* Jan. and Feb 2015 numbers are preliminary

Source: Bureau of Labor Statistics



UNITED STATES UNEMPLOYMENT RATE

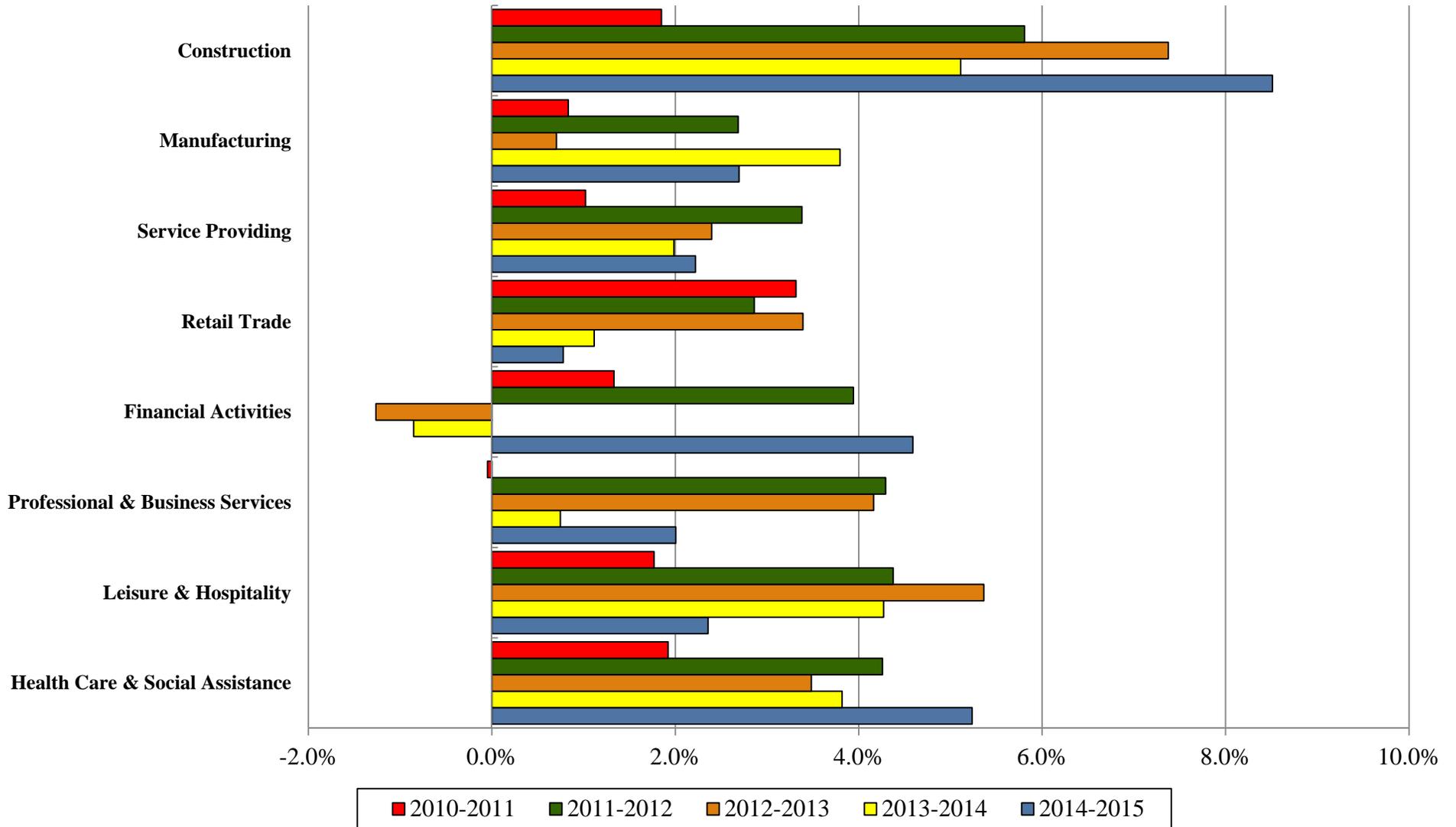
Seasonally Adjusted- Monthly 2005 – Feb. 2016



Source: Bureau of Labor Statistics

SAN DIEGO COUNTY ANNUAL JOB GROWTH

2010 - 2015



Source: State of California Employment Development Department



DEMOGRAPHIC OVERVIEW

San Diego County & Otay Water District

Demographic Overview San Diego County & Otay Water District

	S.D. County	OWD
2000 - 2010 Growth	10.0%	49.6%
2010 - 2016 Growth	7.0%	13.2%
Persons / Household	2.85	3.46

Non-Hispanic White	28.5%	9.0%
Hispanic	33.7%	44.3%
Asian	11.6%	17.2%
Other	14.3%	15.1%

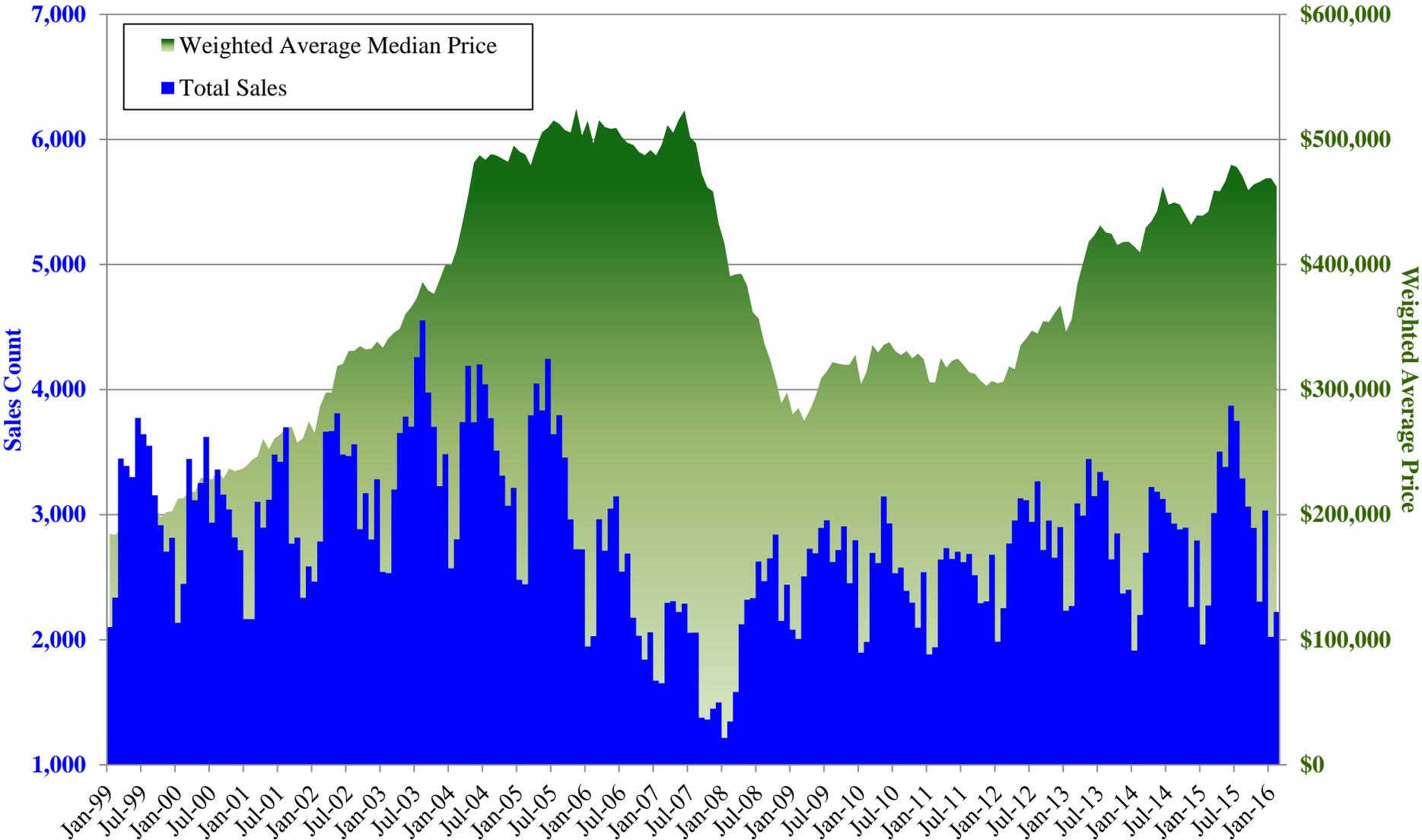
Median Age	36.00	35.80
% \geq 4 Yr Degree	34.5%	33.14%
Average Household Income	\$89,963	\$102,299
Median Household Income	\$65,519	\$85,663

Source: The London Group Realty Advisors, Nielsen



SAN DIEGO COUNTY RESALE MARKET

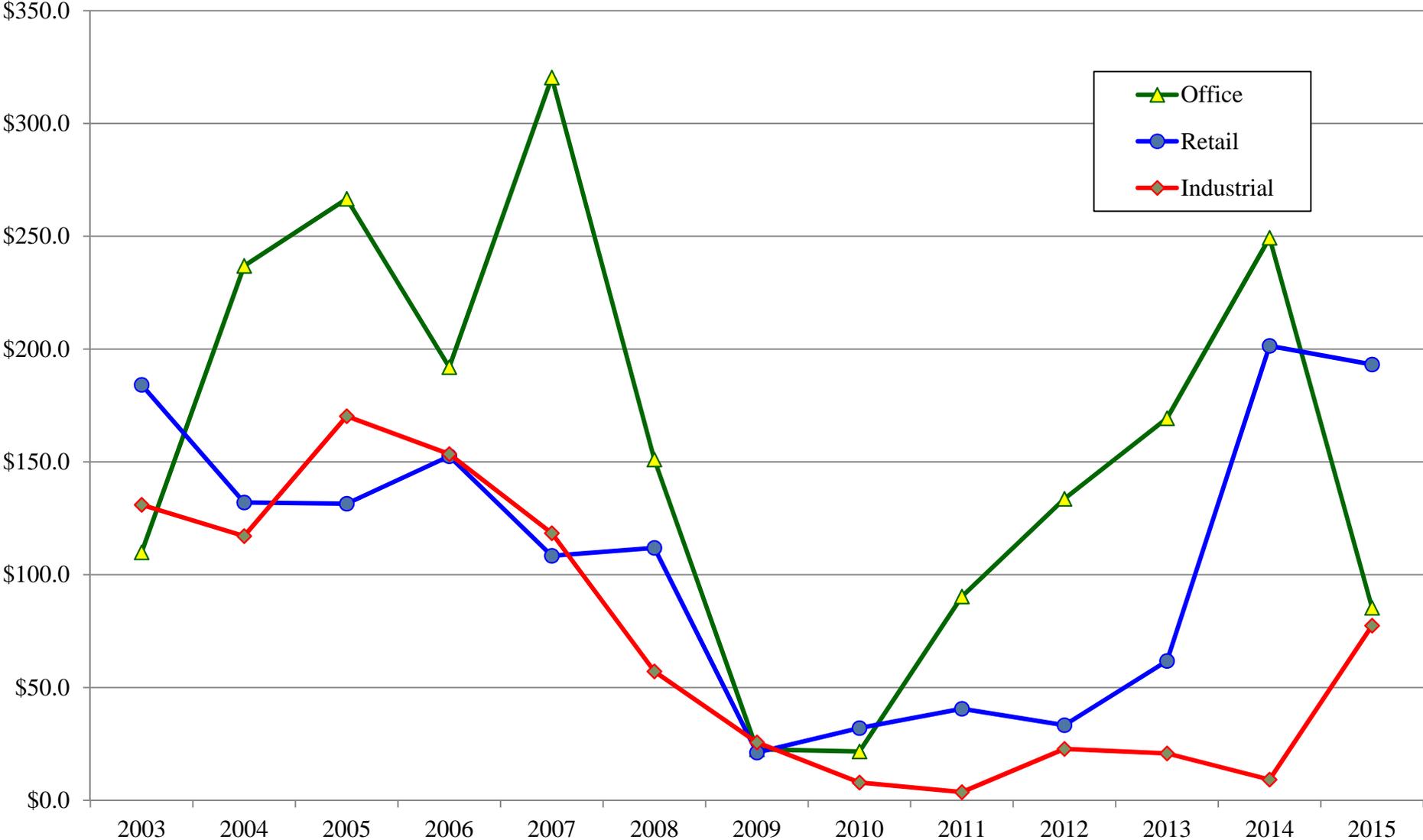
Monthly 1999 – Feb. 2016



Source: San Diego Association of Realtors



SAN DIEGO COUNTY NON-RESIDENTIAL *Permit Valuations- 2003 - 2015*

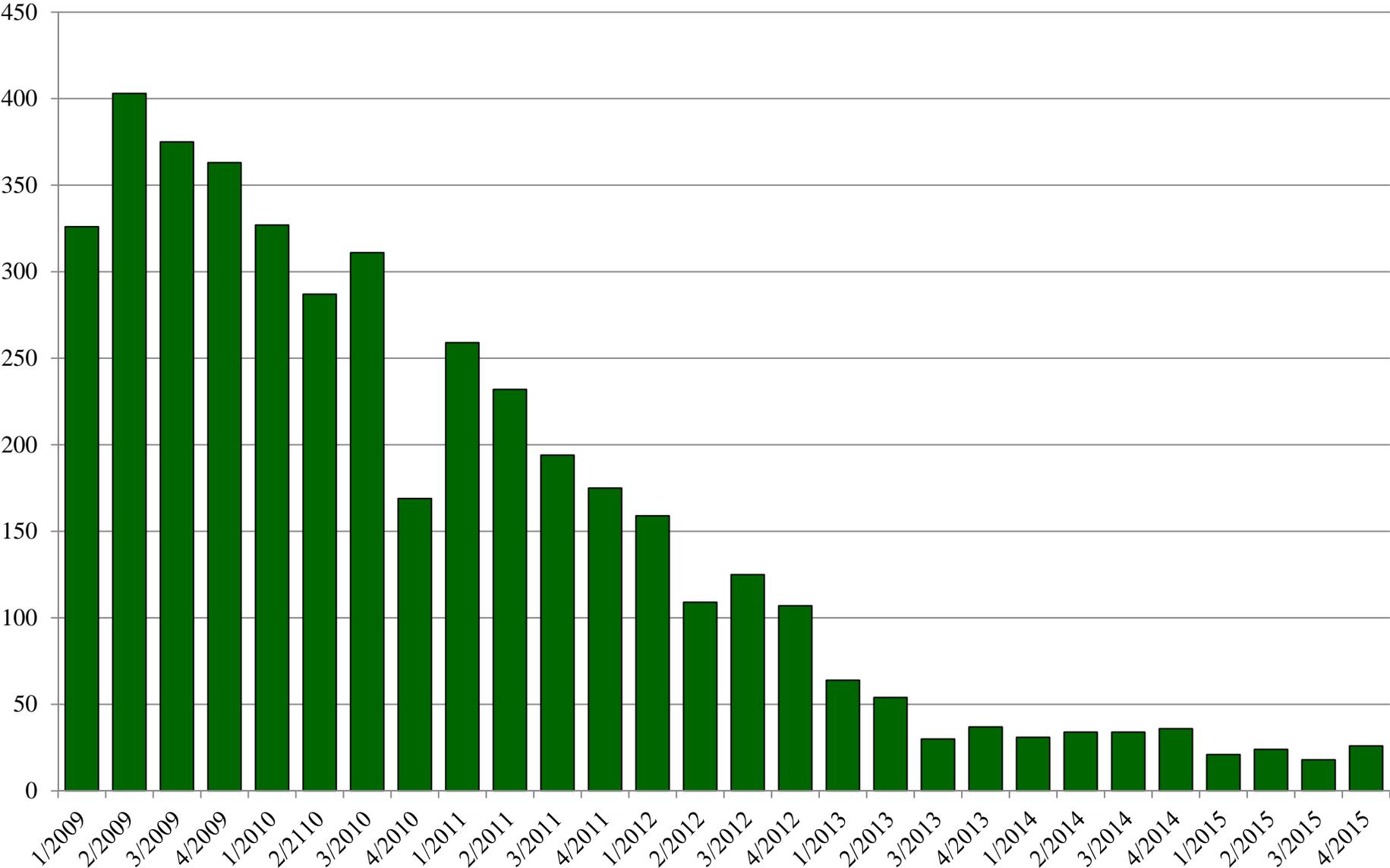


Source: California Homebuilding Foundation



OTAY WATER DISTRICT

Quarterly Residential Foreclosures- 2009 - 2015

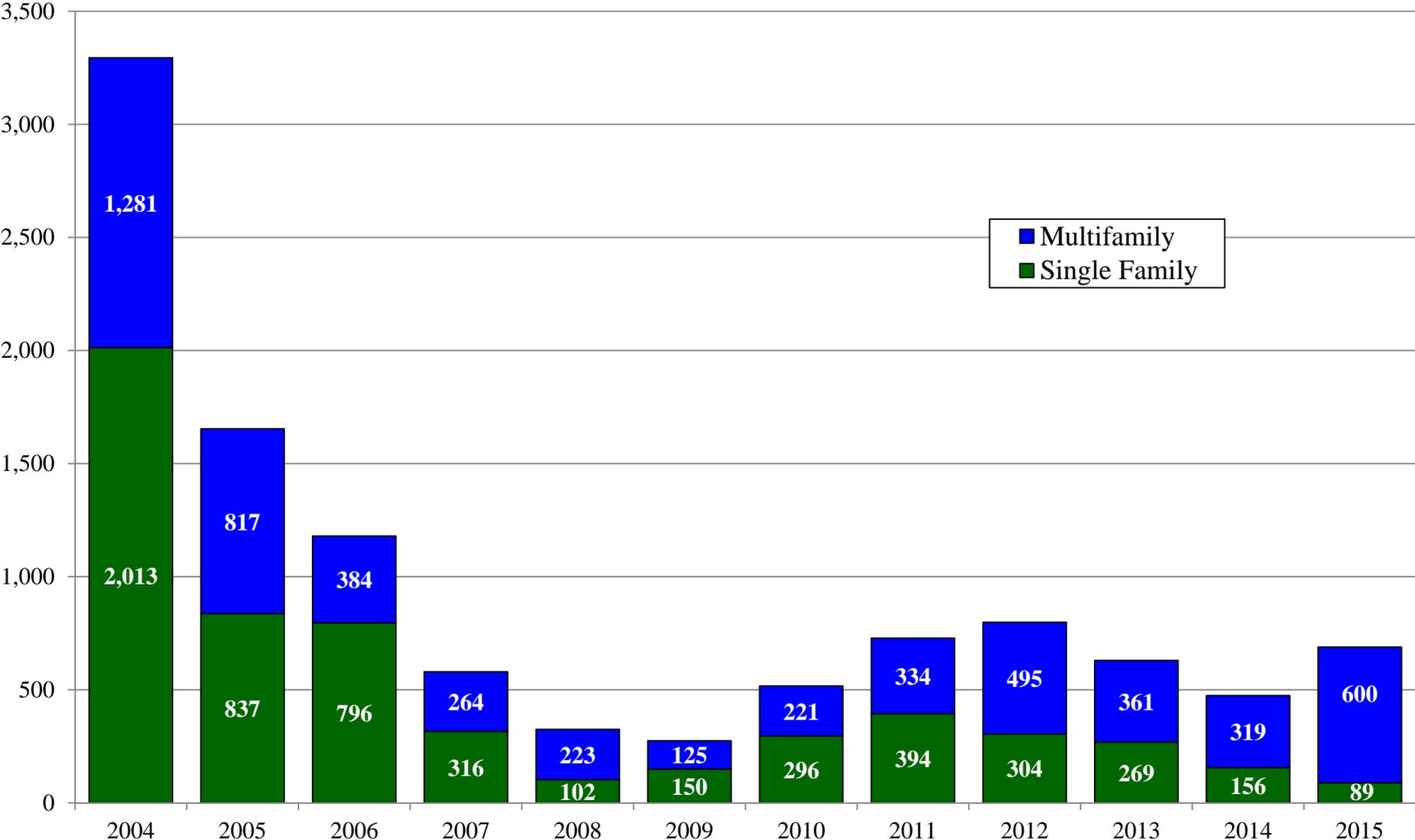


Source: PropertyRadar



CITY OF CHULA VISTA

Residential Units Permitted- 2004 - 2015



Source: The London Group Realty Advisors, City of Chula Vista



**Projected New Residential Construction (Units Under Construction)
Otay Water District Service Area
Fiscal Years 2015 - 2022**

FISCAL YEAR	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2015-2022 Avg.	TOTAL 2015-2022
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OWD SERVICE AREA									
Single Family	16	100	400	550	600	700	750	445	3,116
Condominiums (1)	275	200	250	350	650	650	750	446	3,125
Apartments (including senior)	0	500	300	550	750	550	700	479	3,350
TOTAL - OWD	291	800	950	1,450	2,000	1,900	2,200	1,370	9,591

Eastern Chula Vista Forecast by City of Chula Vista	441	1,577	1,516	1,539	984	n/a	n/a	n/a	n/a
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SAN DIEGO COUNTY									
Single Family	3,000	3,000	3,500	3,500	3,500	3,700	3,700	3,367	23,900
Condominiums (1)	1,200	1,200	1,750	2,100	3,150	3,650	3,650	2,175	16,700
Apartments (including senior)	4,800	4,800	5,250	4,900	3,850	3,650	3,650	4,542	30,900
TOTAL - SD CO.	9,000	9,000	10,500	10,500	10,500	11,000	11,000	10,083	71,500

CV/OM AS % OF COUNTY									
Single Family	1%	3%	11%	16%	17%	19%	20%	13%	13%
Condominiums (1)	23%	17%	14%	17%	21%	18%	21%	21%	19%
Apartments (including senior)	0%	10%	6%	11%	19%	15%	19%	11%	11%
TOTAL	3%	9%	9%	14%	19%	17%	20%	14%	13%

(1) Townhomes, Garden, Mid-Rise and High-Rise Condominiums (Estimated)

Source: The London Group Realty Advisors



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