

OTAY WATER DISTRICT

SPECIAL MEETING OF THE BOARD OF DIRECTORS
DISTRICT BOARDROOM

2554 SWEETWATER SPRINGS BOULEVARD
SPRING VALLEY, CALIFORNIA

TUESDAY
May 19, 2015
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. REVIEW THE DISTRICT'S FISCAL YEAR 2015-2016 OPERATING AND CAPITAL BUDGET AND PROVIDE DIRECTION TO STAFF AS TO WHICH CONSERVATION LEVEL SHOULD BE ASSUMED FOR THE BUDGET WHICH WILL BE AVAILABLE FOR ADOPTION AT THE JUNE 3, 2015 REGULAR BOARD MEETING (BELL)
6. ADJOURNMENT

AGENDA ITEM 5



STAFF REPORT

TYPE MEETING:	Special Board Meeting	MEETING DATE:	May 19, 2015
SUBMITTED BY:	Rita Bell, 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:	Present for Review the FY 2015-2016 Operating and Capital Budget and Obtain Direction to Set the Conservation Level for the Final Budget		

GENERAL MANAGER'S RECOMMENDATION:

This is an informational item only.

PURPOSE:

To present for review the FY 2015-2016 Operating and Capital Budget and to obtain the Board of Directors direction as to which conservation level should be assumed for the budget which will be available for adoption at the June 3, 2015 Board meeting.

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.

The budget and rate setting process includes reviews of economic factors; price increases; water use patterns; regulations; infrastructure; and other cost driver changes. Additionally, the rate setting process ensures the rate structure is in compliance with Best Management Practices and industry standards which bring equity to the rate structure.

This year, because of the drought and the Governor's mandated water conservation, an additional challenge has been added to the budget process. The Governor has set the District's

conservation target at 20% of the 2013 levels. This conservation level is set to begin on June 1st and run for 270 days. District staff is doing all it can to meet this 20% target. However, due to the very limited lead time, seasonality of water sales, and the extensive conservation already achieved, the 20% conservation will be very difficult to attain. Staff performed a sensitivity analysis and recommends a 12% conservation level for the purpose of setting water rates and balancing the budget. The budget being presented uses a conservation rate of 12% but allows for a range of conservation up to 17% before further rate adjustments are required. The rate adjustment would occur in the subsequent fiscal year's budget process. Again, staff is working to achieve the full 20% and putting forth our best effort to accomplish this.

As a part of the normal budget process, 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), the City of San Diego, vendors such as SDG&E, and the economic report prepared by The London Group. This information is used in addition to other economic indicators affecting taxes and revenues such as inflation and interest rates.

This year, the San Diego County Water Authority is raising variable rates by 1.9% and establishing a new fixed Reliability Charge of \$950,000. The District's water sales volume is projected to be 8.6% less than last year's budgeted volume based on the 12% reduction from the FY 2013 levels. The 8.6% reduction could be greater if it was not for the reduction in water loss. Since 2011, the water loss percentage has decreased from 5.8% to 3.2% a 45% decrease. Due to this and the continuation of the leak detection program, staff has reduced the budgeted water loss from 5% to 4%. Staff has prepared a preliminary Operating and Capital Budget with the estimated water and sewer rate increases.

DISCUSSION:

The challenges affecting water rates this year are:

- The Governor's mandate to conserve. (Due to significant prior conservation efforts, the drought itself would have almost no impact, except for the Governor's mandate.)
- Ongoing water cost increases by CWA and MWD.

- Weather and economic uncertainties that lead to volatility in water sales.
- The need to maintain the District's debt coverage ratios and credit rating.
- The funding of reserves and capital projects.

The Governor's mandated conservation led the District to add \$150,000 for conservation outreach efforts and \$300,000 to complete the leak detection and repair program. The payback of the leak detection program is seen in lower water loss, which in turn contributes to the conservation efforts. The focus on the sewer side is the funding of the Capital Improvement Program (CIP) costs. The sewer replacement and rehabilitation costs total \$13.8 million over the next six years due to new regulatory requirements and necessary repairs to the aging system. The following discussion and the attached presentation review the above issues.

Water Costs

Fiscal year 2016 has a number of challenges that have an impact on water rates. The most significant challenges are the reduced water sales and the CWA increase in the variable water rate of 1.9%, as well as a new Water Reliability Fixed Charge of \$950,400. The total MWD and CWA fixed charges are increasing an additional \$1.1 million. In future years, the reliability charge will be \$1.9 million annually. CWA has stated they will rely on reserves instead of raising rates to deal with the mandated conservation. This results in a lower rate increase than would otherwise be anticipated. Another pressure on rates is the debt service payments and related coverage requirements. All of these factors play a significant role in the higher cost of water to the District.

With water costs representing 53% of the District's Operating Budget, any change in the wholesale water price has a significant impact on the overall Operating Budget. This is a unique budget year with a net decrease in the budgeted potable water cost of \$1,179,000 due to the combined effect of the reduction in water purchases and increased costs. On the recycled side, the water costs increased by \$104,300 due to the contractual "take-or-pay" requirements.

Debt Coverage and Credit Ratings

The debt coverage ratio is a ratio of net revenues to debt service. The District historically has a "growth" debt coverage with a minimum of 125%. The "no growth" debt coverage ratio excludes capacity fees from the net revenues used in the

calculation and the minimum for this ratio is 100%. The target of the "no growth" ratio is 150%. With the 12% conservation level, the "with growth" ratio drops to 141.1% and the "no growth" ratio drops to 122.6%. Should this model be adopted for the budget and if conservation were to exceed 17.2%, the growth debt coverage ratio minimum would go below the 125% requirement of the District's debt covenants causing increased disclosures. Also, the District would likely be put on credit watch by the rating agencies. Should the debt coverage remain below the coveted minimum for multiple years, it would cause a downgrade of the District's credit rating.

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). 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. A credit rating is an overall rating that considers many factors with debt coverage being 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.

On March 5, 2014, Fitch reaffirmed the 'AA-' rating and issued a "stable" rating outlook for the District. The rating is sensitive to shifts in fundamental credit characteristics including the improving debt service coverage. The "stable" outlook reflects Fitch's expectation that such shifts are unlikely. Fitch cited cash reserves, recent rate increases and improved financial margins as the District's strengths. Those strengths were partially offset by vulnerabilities related to reliance on a single imported water supply source, growth uncertainty, and "free cash flow" remaining weak. "Free cash flow" is the amount of cash the District is able generate after operating and capital related expenditures.

On August 1, 2014, S&P reaffirmed the 'AA' rating, but revised their outlook for the District from "negative" to "stable." The revised outlook was based on the District's financial performance which improved during the last two fiscal years and boosted debt coverage to a level they consider strong from a level they consider only good. S&P also noted the stable customer base, approved rate increases, and strong liquidity position as credit strengths. These strengths are partly offset

in S&P's view by the District's reliance on expensive imported water for potable supply.

At this time, neither the Fitch downgrade nor the S&P "stable" outlook is expected to have a negative financial impact on the District. Due to the estimated conservation associated with the ongoing drought, the District anticipates the debt coverage ratio, excluding growth, will decline from the budgeted FY 2015 level of 1.66 to 1.41 in FY 2016. However, with the projected rate increases in fiscal years 2016-2018, this debt coverage ratio will rebound back to above the 150% target. If the debt service coverage ratio were to decline below the coveted ratio of 125%, the District's 'AA' ratings could be downgraded, which would have a negative financial impact on the District's bondholders. It would also have an immediate but minor financial impact on the District related to the variable rate debt. There would be a greater long-term financial impact on future debt and the cost of future letters of credit. The District does not anticipate the need to issue debt in the next six years and, using the current budget objectives, we project the District's financial performance will yield strong levels prior to any debt being issued beyond six years.

Water sales is a variable affecting the District's financial standing and debt coverage ratio. Daily monitoring of sales is a focus of the District to provide timely information that enables the District to react as needed.

Financing Plan

The District uses a comprehensive approach to financing. The Finance 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.

At the current level of potable and recycled CIP expenditures, it is not expected that the District will issue debt in the coming six fiscal years. 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 2016, the CIP is supported by \$10.6 million in transfers from operating revenues and \$12.2 million of transfers between funds.

With the transfers and rate increases presented today, the District will be able to maintain all reserve levels at or above target levels in the coming fiscal years, except for the replacement funds which will remain above the minimum levels. The potable replacement fund reserve will drop \$3.6 million below the target in 2018, \$5.3 below in 2019, and \$2.7 below in 2020. The replacement reserve returns to target in 2021. Without the temporary drawdown of the replacement reserve, staff would be projecting a temporary need for additional debt. However, to avoid the issuance and interest costs, staff is projecting this temporary drawdown.

The borrowing will be paid back by FY 2021 at which time all reserves would be back on target. As the time draws nearer, staff will have a more firm idea of the projected capital spending and connection fee revenues. At this time, staff will again evaluate the best alternative which could be a temporary borrowing internally or a short-term borrowing from an external party.

Water Sales

Water sales volumes are based on a 12% reduction from the 2013 levels, adjusted for a reduction in water loss. There is modest upward pressure on sales due to moderate levels of meter sales. The meter sales estimates are provided by the Engineering Department and an economic forecast from an economist. Additionally, the District is projecting a normal rainfall year with normal temperatures.

The January 1, 2016 proposed potable and recycled water increases of 5.4% will generate additional revenue of \$1.6 million. This, along with the prior year rate increase and changes in budgeted water sales volume, increases the budgeted water sales by a total of \$2.6 million. The rate increase is required to offset the rate increases from CWA, MWD, City of San Diego, and SDG&E. In fact, 100% of the rate increase is due to these increased costs. The District has been successful in managing and reducing its own internal costs through strategic planning initiatives.

Relative Position to Other Districts

The District performs an annual survey of the District's rates compared to other water providers in the county. For many years the District has remained in the lower half of this comparison. It is expected that all water providers in the county are facing the same rate pressures brought on by the Governor's mandate and by purchasing water from CWA and MWD. Some agencies will see

greater impacts than others, depending on their relative dependence on CWA water. At this time, our neighboring agencies are still deciding how they will modify their rates to deal with these pressures, therefore the chart normally provided is not currently available.

Sewer Rates

There is no variable sewer rate increase proposed for this year or any of the next 6 years. The only proposed increase in any of the next 6 years is the FY 2016 year's increase in the monthly system fee for residential customers. This is an increase approved as a part of the 2013 Cost of Service Study. For a typical residential customer the monthly increase is \$1.30. With the increase in the system fee the District is the seventh lowest provider of sewer services of the 28 agencies in the region.

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 2015-2016 budget covers CWA's increases in water costs, supports the Capital Budget, and improves the District's financial position. The proposed budget presents an average 5.4% water rate increase for water customers. The rate model projects the following increases for water in fiscal years 2016 through 2020: 5.4%, 5.4%, 3.8%, 3.8%, and 3.8%, respectively. For sewer customers there is only the increase of the system fee in FY 2016 and no increases thereafter.

Rate Implementation - Water

A rate increase of 5.4% is being presented for both potable and recycled customers. This average increase is composed of a number of changes to various rates in differing amounts. An increase in the variable water rate of 1.9% is proposed for all classes of potable customers. The energy charge for pumping is proposed to increase by 37% to reflect the large rate increases implemented by SDG&E since last fiscal year, and the anticipated SDG&E rate increase of 3.5% in FY 2016. The MWD and CWA pass-through fee is proposed to increase by 23.2% to ensure that fixed revenue collected matches the fixed costs charged to the District by our water providers. This is offset by a 4.7%

reduction in the District's monthly system fee. The total components of MWD and CWA fixed charges are shown below:

Customer Service Charge	\$1,931,400
Emergency Storage Charge	\$4,681,800
Infrastructure Access Charge	\$1,777,800
Reliability Charge	\$950,400
Capacity Reservation Charge	\$ 806,400
Readiness-to-Serve Charge	<u>\$1,798,800</u>
Total MWD & CWA Fixed Charges	<u>\$11,946,600</u>

In fiscal year 2016, and for the first time, the District anticipates being above the fixed revenue limit of 30% (Best Management Practices (BMP) 1.4). Exceeding this limit is occurring because of the large decrease in the variable revenues and the large increase in the MWD and CWA fixed costs. This is despite the decrease in the District's fixed system fee. It is the District's goal to remain close to this maximum in fixed revenue, but with the Governor's mandated conservation and the new CWA Reliability Charge, it is not achievable this year.

The percentage increase of 1.9% is recommended for the variable recycled water rate. The decrease of 4.7% in the recycled system fee is the same as the potable system fee decrease. Recycled water rates are set at 85% of the potable irrigation rate in order to maximize the recycled rebates and in accordance with our recycled rebate agreement with CWA. The individual component rates discussed above have an average effect of increasing the average water bill by 5.4%.

For a typical single-family residential customer using 14 units per month, their monthly bill would increase from \$81.67 to \$85.69, an increase of \$4.02.

Rate Implementation - Sewer

In FY 2015, a 5.0% sewer rate increase was projected for FY 2016 based on cost estimates at that time. This year no rate increase is necessary except for the adjustment to the system fee. The primary cause of change is the lower cost of service from both the City of San Diego - Waste Water Department and the county. In addition, a refund from the City is anticipated this year of \$479,000 due to overcharges for treatment and disposal of wastewater as well as lower labor costs. The combined effect offsets unnecessary rate increases in FY 2016 and future years.

Budgeted Revenues

Projected water revenues, as compared to last year's budget, include an increase in potable water revenues of 3.9%. There is

also an increase in recycled water revenues of 3.2%. This increase is due to the combination of the prior year's 5.8% and this year's proposed rate increase. The change in sales volume (decrease of 8.6% for potable and no change for recycled) has a major effect on potable revenues.

The budgeted sewer revenues are projected to increase 11.8% over last year's budget due to the past year's overall rate increase of 5.0% plus the final phase-in of \$1.30 for the residential system fee. Sewer revenues are affected by customer's water use patterns and the need to fund reserves.

Other changes in the Operating Revenues include the following:

- Property Tax Revenues are expected to increase by 4.4%
- Capacity Fee Revenues funding operating expenses are expected to decrease by 1.4% due to less work in the planning areas as major planning projects are completed.
- Betterment Fee Revenues will be eliminated due to the shifting of these fees from betterment into the general water rates.

Expenses

In the proposed budget, potable water costs are projected to decrease \$1,179,000 over last year's budget. This decrease is due to the volumetric sales decrease and the decrease in water loss. This is offset by CWA's January 1, 2016 price increase of \$22 per acre-foot as well as increases in fixed charges by MWD and CWA of \$1,010,400, mostly due to the new Reliability Charge of \$950,400. Recycled water variable costs are expected to remain the same as last year due to no anticipated change in volume or rate. The "take or pay" component of the contractual agreement with the City of San Diego is expected to cost the District an additional \$104,300.

Sewer service provider costs are expected to decrease by a total of \$298,200 due to a \$205,000 decrease in charges from the City of San Diego - Wastewater Department, and \$93,200 in charges from the Spring Valley Sanitation District (County of San Diego).

Power costs for water and sewer are budgeted to increase by \$274,400 or 9.7%. This rate increase was much larger than anticipated, especially in light of the reduced water sales. The District's ongoing effort by staff to operate at non-peak and semi-peak hours at lower rates will help manage energy costs and offset some of the cost increases.

The District has, through strategic planning, reduced the FTE count from 174.75 to 138 FTE or 21% since FY 2007, saving the District \$4,955,100 in FY 2016 alone. In addition, the District will recognize future savings in pension costs with the reduced staffing level. Labor and benefits costs are expected to increase by \$463,000 or 2.3%. These changes are due to the following:

- Reduction of two FTEs resulting in a decrease of \$106,700.
- Increase in staff advancements of \$137,000.
- Increase in health costs of \$228,600.
- Increase in other benefits of \$65,300.
- Decrease in temporary position wages of \$98,500.
- Increase in pension costs of \$280,000.
- Decrease in OPEB costs of \$42,000.
- Decrease in overtime, vacancy, and other of \$153,100.
- Increase in the salaries and benefits due to COLA and in-range salary adjustments consistent with the Memorandum of Understanding of \$203,200.
- Decrease of charges to CIP projects, shifting costs to the operating budget increases costs by \$50,800 for labor and benefits and associated overhead allocation.

The funding of the OPEB (Other Post Employee Benefits) liability was initiated with a transfer to the OPEB Trust in March 2008 and has since been funded at an accelerated rate by not only paying the Annual Required Contribution (ARC) but also by paying the retiree medical premiums. There are multiple benefits of this practice which continues to be incorporated into the proposed budget. First, the Trust has a greater rate of return due to the longer investment time horizon. This reduces the District's overall financial burden. Second, the funding of the Trust reduces the ARC expense, decreasing the need to raise rates in order to maintain the District's debt coverage ratio. The funding of the retiree premiums has the net effect of funding the Trust, as the Trust is relieved of the obligation to cover that cost.

The administrative expenses budget will decrease by 0.6% or \$31,400 due to the following factors:

- Increase in outside services for conservation outreach efforts of \$150,000.
- Increase in the leak detection program of \$107,500.

- Decrease in legal expenses of \$160,000.
- Decrease in insurance costs of \$45,000.
- Decrease in equipment of \$27,300.
- Decrease in fees of \$25,700.
- Decrease in allocation to work orders of \$19,900 related to the reduced charges to CIP.

The materials and maintenance budget will experience an overall decrease of 0.2% or \$7,000. The major factors are:

- Increase in Contracted Services of \$107,200.
- Increase in Safety Equipment by \$83,100.
- Increase in Other Materials and Supplies of \$58,700.
- Increase in Infrastructure Equipment and Supplies of \$96,300.
- Decrease in Metro O&M of \$205,300.
- Decrease in Spring Valley (County) Sewer of \$93,200.
- Decrease in Fuel and Oil of \$53,700.

Fund 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 which are shown in the operating budget. These transfers total \$10.6 million. One of these transfers repays the loan made by the sewer funds to the potable funds in FY2009.

The second type of transfer is between funds meant to rebalance funds to target levels. The fund to fund transfers that are requested separately in this staff report total \$12.6 million.

Capital Improvement Program (CIP) Budget

As a component of the annual budget development process, the Engineering staff updates the Capital Improvement (CIP) Budget. This year, the total six-year CIP Budget is decreasing by \$7.4 million from last year. This decrease is a result of completing many CIP projects, delays in developer projects, reprioritizing some projects, and increasing emphasis upon water supply 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 I under the Capital Budget tab.

Capital Backbone	\$ 3.1
Developer Reimbursement	0.0
Replacement and Renewal	6.9
Capital Purchases	<u>1.1</u>
Total (millions)	<u><u>\$11.1</u></u>

There are a total of 80 projects in the current six-year CIP plan. Each project is listed in the FY 2015-2016 Preliminary Operating and Capital Budget (Attachment A). The total six-year cost of the 80 projects plus 13 additional projects budgeted in FY 2016 through FY 2021 is \$96.2 million.

Sewer CIP includes \$13.8 million of rehabilitation and main replacement projects starting in FY 2016 and finishing in FY 2021. In last year's budget it was anticipated that the Sewer Fund would need to issue debt beginning in FY 2016. With

the \$3.5 million reduction in the six-year CIP, and the \$2.4 million dollar decrease in operating expenses, this future borrowing is no longer necessary.

FISCAL IMPACT: Joseph R. Beachem, Chief Financial Officer
No fiscal impact.

STRATEGIC OUTLOOK:

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

LEGAL IMPACT:

None.

- A) Preliminary Operations and Capital Budget, FY 2015-2016
- B) FY 2016 Budget Workshop Presentation

OTAY WATER DISTRICT

Spring Valley, California



Preliminary Operating and Capital Budget
Fiscal Year 2015-2016

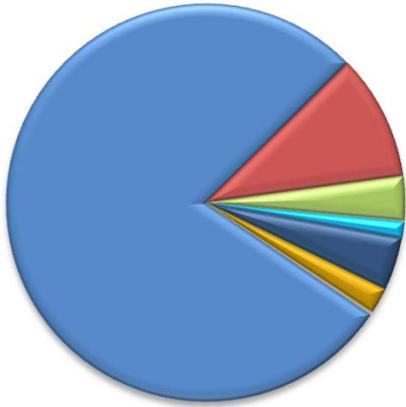
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Operating Budget Summary - General Fund

	FY 2014	FY 2015	FY 2016	Budget to Budget	
	Actual	Budget	Budget	\$	%
REVENUES					
Potable Water Sales	\$ 71,272,396	\$ 71,959,100	\$ 69,641,100	\$ (2,318,000)	(3.2%)
Recycled Water Sales	10,014,767	8,826,600	9,111,200	284,600	3.2%
Sewer Revenues	2,757,867	3,007,700	3,206,300	198,600	6.6%
Meter Fees	78,465	51,500	66,200	14,700	28.5%
Capacity Fee Revenues	1,170,985	1,150,600	1,134,800	(15,800)	(1.4%)
Betterment Fees for Maintenance	485,738	301,800	-	(301,800)	0.0%
Tax Revenues	3,624,363	3,763,700	3,897,900	134,200	3.6%
Non-operating Revenues	2,057,519	1,947,800	1,873,600	(74,200)	(3.8%)
Interest	124,196	77,400	157,500	80,100	103.5%
Transfer from OPEB Reserve	149,800	-	-	-	(100.0%)
Transfer from Potable General Fund	-	553,800	-	(553,800)	(100.0%)
General Fund Draw Down	214,400	-	-	-	(100.0%)
TOTAL REVENUES	\$ 91,950,496	\$ 91,640,000	\$ 89,088,600	\$ (2,551,400)	(2.8%)
EXPENDITURES					
Potable Water Purchases	\$ 36,151,147	\$ 34,521,500	\$ 32,332,100	(2,189,400)	(6.3%)
Recycled Water Purchases	1,661,887	1,601,500	1,705,800	104,300	6.5%
CWA - Infrastructure Access Charge	1,856,202	1,901,400	1,931,400	30,000	1.6%
CWA - Customer Service Charge	1,753,840	1,792,200	1,777,800	(14,400)	(0.8%)
CWA - Reliability Charge	-	-	950,400	950,400	0.0%
CWA - Emergency Storage Charge	4,515,596	4,741,200	4,681,800	(59,400)	(1.3%)
MWD - Capacity Reservation Charge	531,318	701,400	806,400	105,000	15.0%
MWD - Net RTS and Standby Charge	1,740,511	1,800,000	1,798,800	(1,200)	(0.1%)
Subtotal - Water Costs	\$ 48,210,501	\$ 47,059,200	\$ 45,984,500	\$ (1,074,700)	(2.3%)
Power	\$ 2,808,846	\$ 2,838,400	\$ 3,112,800	\$ 274,400	9.7%
Labor and Benefits	18,876,033	19,747,600	20,381,000	633,400	3.2%
Administrative Expenses	4,085,394	5,419,200	5,387,800	(31,400)	(0.6%)
Materials & Maintenance	3,157,876	3,619,800	3,612,800	(7,000)	(0.2%)
Subtotal - Operations Costs	\$ 28,928,149	\$ 31,625,000	\$ 32,494,400	\$ 869,400	2.7%
Expansion Reserve	3,428,000	2,538,900	2,691,000	152,100	6.0%
Betterment Reserve	125,000	3,530,000	2,400,000	(1,130,000)	(32.0%)
Replacement Reserve	4,230,000	3,270,200	3,278,400	8,200	0.3%
Transfer to Sewer General Fund	152,800	553,800	-	(553,800)	0.0%
OPEB Trust	1,242,900	647,100	1,006,000	358,900	55.5%
Potable General Fund	1,913,000	1,583,800	-	(1,583,800)	(100.0%)
Sewer Replacement	-	127,000	1,199,300	1,072,300	8.4
New Supply Reserve	-	705,000	35,000	(670,000)	(1.0)
Subtotal - Reserve Funding	\$ 11,091,700	\$ 12,955,800	\$ 10,609,700	\$ (2,346,100)	(18.1%)
TOTAL EXPENDITURES	\$ 88,230,350	\$ 91,640,000	\$ 89,088,600	\$ (2,551,400)	(2.8%)
EXCESS REVENUES (EXPENDITURES)	\$ 3,720,146	\$ -	\$ -	\$ -	

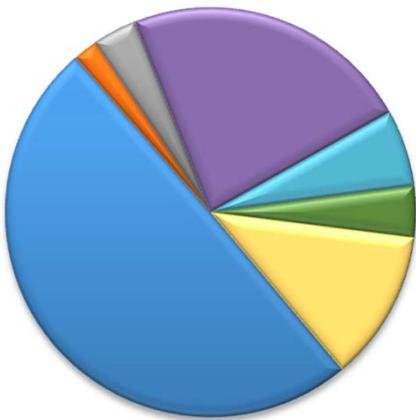
Operating Budget Summary - General Fund

FY 2016 OPERATING REVENUES



■ Potable Water Sales	\$ 69,641,100	78.2%
■ Recycled Water Sales	9,111,200	10.1%
■ Sewer Revenues	3,206,300	3.6%
■ Meter Fees	66,200	0.1%
■ Capacity Fee Revenues	1,134,800	1.3%
■ Tax Revenues	3,897,900	4.4%
■ Non-operating Revenues	1,873,600	2.1%
■ Interest	157,500	0.2%
	<u>\$ 89,088,600</u>	<u>100.0%</u>

FY 2016 OPERATING EXPENDITURES



■ Potable Water Purchases	\$ 44,278,700	49.7%
■ Recycled Water Purchases	1,705,800	1.8%
■ Power	3,112,800	3.5%
■ Labor and Benefits	20,381,000	22.9%
■ Administrative Expenses	5,387,800	6.0%
■ Materials & Maintenance	3,612,800	4.1%
■ Reserve Funding	10,609,700	11.9%
	<u>\$ 89,088,600</u>	<u>100%</u>

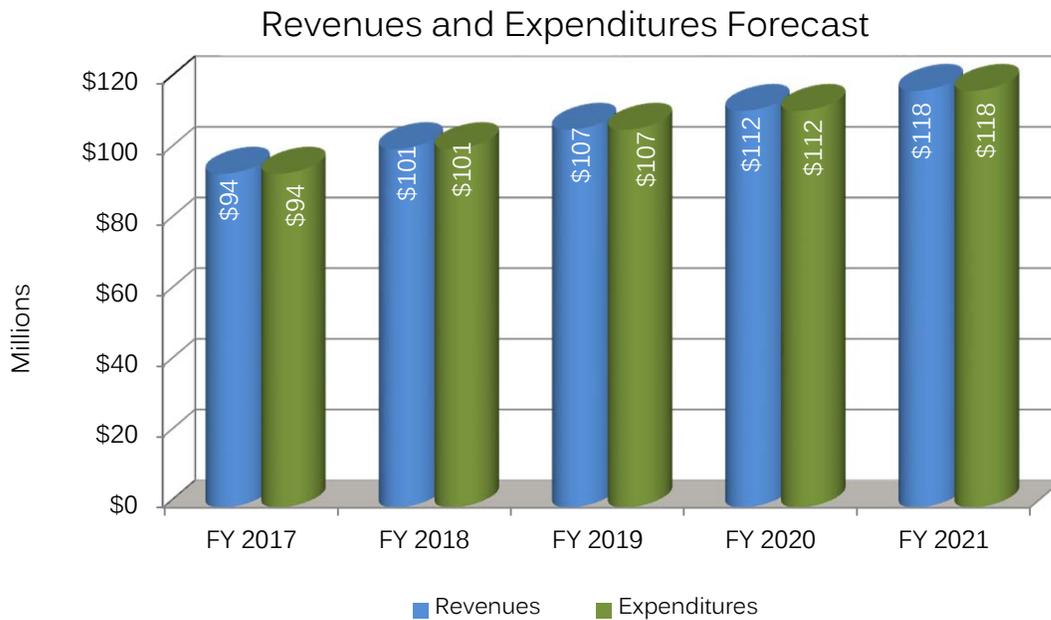
FY 2016 Operating Budget Summary by System

	Potable	Recycled	Sewer	Total
REVENUES				
Water Sales	\$ 69,641,100	\$ -	\$ -	\$ 69,641,100
Recycled Water Sales	-	9,111,200	-	9,111,200
Sewer Revenues	-	-	3,206,300	3,206,300
Meter Fees	65,800	400	-	66,200
Capacity Fee Revenues	1,134,800	-	-	1,134,800
Betterment Fees for Maintenance	-	-	-	-
Tax Revenues	3,846,300	-	51,600	3,897,900
Non-operating Revenues	1,836,400	-	37,200	1,873,600
Interest	143,000	6,300	8,200	157,500
Transfer from Betterment	-	-	-	-
TOTAL REVENUES	\$ 76,667,400	\$ 9,117,900	\$ 3,303,300	\$ 89,088,600
EXPENDITURES				
<u>Water Costs</u>				
Water Purchases	\$ 32,332,100	\$ 1,705,800	\$ -	\$ 34,037,900
CWA - Infrastructure Access Charge	1,931,400	-	-	1,931,400
CWA - Customer Service Charge	1,777,800	-	-	1,777,800
CWA - Reliability Charge	950,400	-	-	950,400
CWA - Emergency Storage Charge	4,681,800	-	-	4,681,800
MWD - Capacity Reservation Charge	806,400	-	-	806,400
MWD - Net RTS and Standby Charges	1,798,800	-	-	1,798,800
Subtotal - Water Costs	\$ 44,278,700	\$ 1,705,800	\$ -	\$ 47,059,200
<u>Operations Costs</u>				
Power	2,372,400	563,600	176,800	\$ 3,112,800
Labor and Benefits	18,518,100	1,181,600	681,300	20,381,000
Administrative Expenses	4,865,200	321,800	200,800	5,387,800
Materials & Maintenance	2,168,300	287,800	1,156,700	3,612,800
Subtotal - Operations Costs	\$ 27,924,000	\$ 2,354,800	\$ 2,215,600	\$ 31,625,000
<u>Reserve Funding</u>				
Expansion Reserve	-	2,691,000	-	\$ 2,691,000
Betterment Reserve	-	1,945,000	455,000	2,400,000
Replacement Reserve	2,351,300	328,000	599,100	3,278,400
OPEB Trust	914,100	58,300	33,600	1,006,000
Sewer Replacement	1,199,300	-	-	1,199,300
New Supply Reserve	-	35,000	-	35,000
Subtotal - Reserve Funding	\$ 4,464,700	\$ 5,057,300	\$ 1,087,700	\$ 10,609,700
TOTAL EXPENDITURES	\$ 76,667,400	\$ 9,117,900	\$ 3,303,300	\$ 89,088,600
EXCESS REVENUES (EXPENDITURES)	\$ -	\$ -	\$ -	\$ -

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General Fund Forecast - FY 2017 Through FY 2021

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



REVENUES

	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Water/Sewer Rates	87,068,400	93,813,400	99,113,900	104,168,100	109,556,000
Meter Fees	71,500	76,700	78,700	81,800	85,400
Capacity Fee Revenues	1,140,500	1,151,900	1,163,400	1,175,000	1,186,800
Non-operating Revenues	1,903,100	1,934,200	1,967,200	2,002,000	2,037,500
Tax Revenues	3,998,300	4,103,400	4,214,000	4,401,100	4,598,900
Interest Income	202,100	259,200	297,600	337,800	383,100
TOTAL	\$ 94,383,900	\$ 101,338,800	\$ 106,834,800	\$ 112,165,800	\$ 117,847,700

EXPENDITURES AND TRANSFERS

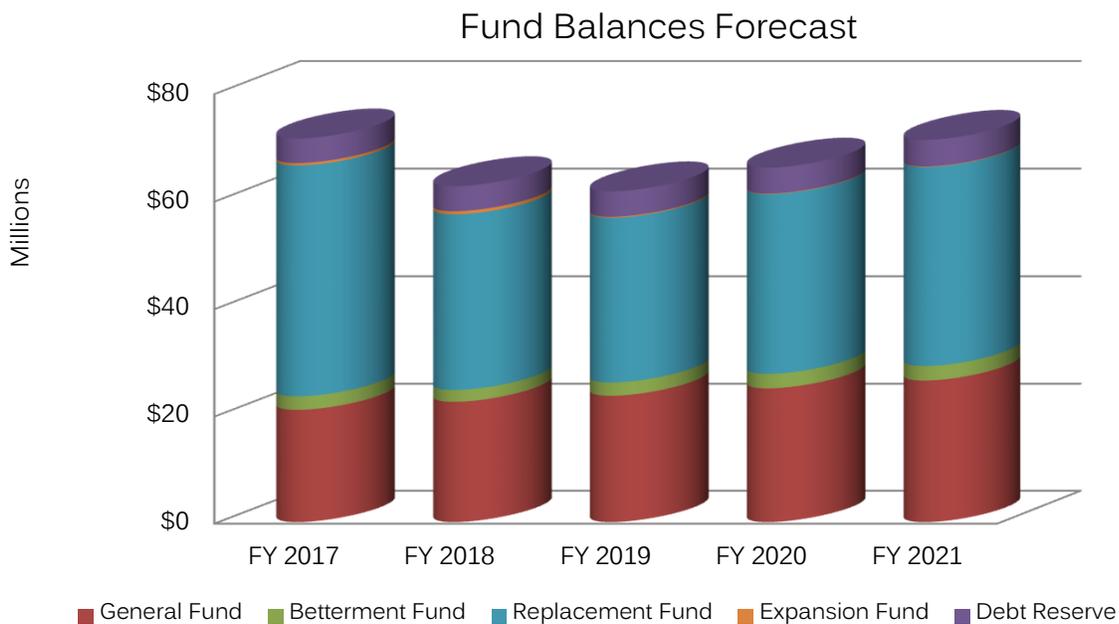
	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Water Cost	\$ 50,115,400	\$ 54,801,700	\$ 58,873,100	\$ 63,386,700	\$ 68,229,200
Power	3,308,000	3,526,000	3,692,900	3,878,400	4,077,600
Labor and Benefits	21,338,600	22,104,400	22,325,000	22,820,900	23,325,700
Administrative Expenses	5,395,200	5,555,000	5,481,600	5,649,900	5,823,800
Materials & Maintenance	3,729,200	3,887,800	4,045,200	4,209,300	4,379,900
Net Reserve Funding	10,497,500	11,463,900	12,417,000	12,220,600	12,011,500
TOTAL	\$ 94,383,900	\$ 101,338,800	\$ 106,834,800	\$ 112,165,800	\$ 117,847,700

EXCESS REVENUES

	\$ -	\$ -	\$ -	\$ -	\$ -
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Fund Balances - FY 2017 Through FY 2021

FUND	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
General Fund	\$ 20,977,400	\$ 22,480,400	\$ 23,606,000	\$ 24,991,600	\$ 26,463,000
Betterment Fund	2,527,600	2,210,800	2,480,500	2,713,300	2,707,500
Replacement Fund	42,947,400	32,671,500	30,642,500	33,403,300	36,982,300
Expansion Fund	445,000	587,600	184,400	106,800	106,700
New Supply Fund	812,600	1,207,800	1,608,900	1,802,800	1,805,900
Debt Reserve	4,574,500	4,643,300	4,722,800	4,829,800	4,951,000
TOTAL	\$ 72,284,500	\$ 63,801,400	\$ 63,245,100	\$ 67,847,600	\$ 73,016,400



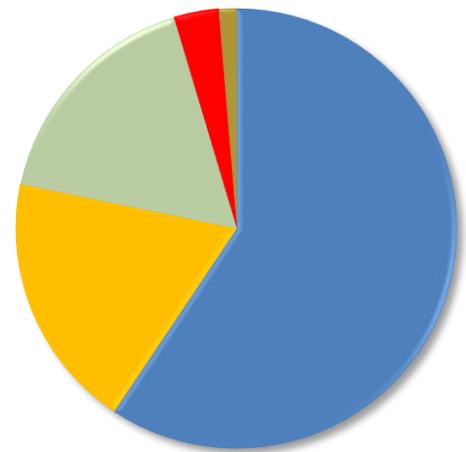
Operating Budget Summary - Potable

	FY 2014	FY 2015	FY 2016	Budget to Budget Variance	
	Actual	Budget	Budget	\$	%
REVENUES					
Water Sales	\$ 71,272,396	\$ 71,959,100	\$ 69,641,100	\$ (2,318,000)	(3.2%)
Meter Fees	77,503	51,100	65,800	14,700	28.8%
Capacity Fee Revenues	1,167,405	1,150,600	1,134,800	(15,800)	(1.4%)
Betterment Fees for Maintenance	485,738	301,800	-	(301,800)	(100.0%)
Tax Revenues	3,580,042	3,712,100	3,846,300	134,200	3.6%
Non-operating Revenues	2,024,615	1,914,000	1,836,400	(77,600)	(4.1%)
Interest	100,023	65,400	143,000	77,600	118.7%
Transfer from OPEB	149,800	-	-	-	(100.0%)
TOTAL REVENUES	\$ 78,857,522	\$ 79,154,100	\$ 76,667,400	\$ (2,486,700)	(3.1%)
EXPENDITURES					
Potable Water Purchases	36,151,147	34,521,500	32,332,100	(2,189,400)	(6.3%)
CWA - Infrastructure Access Charge	1,856,202	1,901,400	1,931,400	30,000	1.6%
CWA - Customer Service Charge	1,753,840	1,792,200	1,777,800	(14,400)	(0.8%)
CWA - Reliability Charge	-	-	950,400	950,400	100.0%
CWA - Emergency Storage Charge	4,515,596	4,741,200	4,681,800	(59,400)	(1.3%)
MWD - Capacity Reservation Charge	531,318	701,400	806,400	105,000	15.0%
MWD-Net RTS and Standby Charges	1,740,511	1,800,000	1,798,800	(1,200)	(0.1%)
Subtotal - Water Costs	\$ 46,548,614	\$ 45,457,700	\$ 44,278,700	\$ (1,179,000)	(2.6%)
Power	2,057,945	2,188,400	2,372,400	184,000	8.4%
Labor and Benefits	16,967,071	17,663,500	18,518,100	854,600	4.8%
Administrative Expenses	3,616,667	4,927,100	4,865,200	(61,900)	(1.3%)
Materials & Maintenance	1,654,641	1,921,800	2,168,300	246,500	12.8%
Subtotal - Operations Costs	\$ 24,296,324	\$ 26,700,800	\$ 27,924,000	\$ 1,223,200	4.6%
Expansion Reserve	3,418,000	-	-	-	(100.0%)
Betterment Reserve	-	2,805,000	-	(2,805,000)	(100.0%)
Replacement Reserve	-	675,000	2,351,300	1,676,300	248.3%
Transfer to Sewer General Fund	152,800	553,800	-	(553,800)	0.0%
Transfer to OPEB	1,114,600	546,000	914,100	368,100	67.4%
Transfer to General Fund Reserve	1,913,000	1,583,800	-	(1,583,800)	(100.0%)
Transfer to Sewer Replacement	-	127,000	1,199,300	1,072,300	844.3%
Transfer to New Supply Fund	-	705,000	-	(705,000)	(100.0%)
Subtotal - Reserve Funding	\$ 6,598,400	\$ 6,995,600	\$ 4,464,700	\$ (2,530,900)	(36.2%)
TOTAL EXPENDITURES	\$ 77,443,338	\$ 79,154,100	\$ 76,667,400	\$ (2,486,700)	(3.1%)
EXCESS REVENUES (EXPENDITURES)	\$ 1,414,184	\$ -	\$ -	\$ -	

Classification of Water Sales - Potable

	FY 2014	FY 2015	FY 2016	Budget to Budget Variance	
	Actual	Budget	Budget	\$	%
Water Sales	\$ 46,856,253	\$ 42,668,000	\$ 41,344,900	\$ (1,323,100)	-3.1%
System Fees	11,152,291	11,184,200	13,151,300	1,967,100	17.6%
Energy Fees	2,114,844	1,958,100	2,311,300	353,200	18.0%
MWD and CWA Fixed Fees	10,309,983	10,399,700	11,946,600	1,546,900	14.9%
Penalties	839,025	823,500	887,000	63,500	7.7%
Total Water Sales	\$ 71,272,396	\$ 67,033,500	\$ 69,641,100	\$ 2,607,600	3.9%

Water Sales	\$ 41,344,900	59.0%
System Charges	13,151,300	19.0%
MWD and CWA Fixed Charges	11,946,600	17.0%
Energy Charges	2,311,300	3.0%
Penalties	887,000	2.0%
Total	\$ 69,641,100	100.0%



Water Rates: Rates vary among classes of service and are charged per unit of water. A unit of water is equal to 100 cubic feet. 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.

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.

Energy Fees: The energy pumping fee is \$.072 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.

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

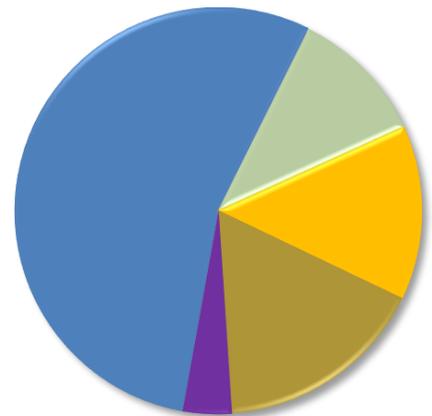
Water Sales Summary by Service Class - Potable

	Water Rates		Accounts	FY 2016 Sales Budget	
	Current	Proposed*		Units	Amount
Residential			45,078	6,954,400	\$ 23,198,800
Conservation Tier (< 5 hcf)	\$ 1.95	\$ 1.99			
6 - 10	3.04	3.10			
11 - 22	3.95	4.03			
over 23 hcf	6.08	6.20			
Master Meter			809	1,326,700	4,631,000
0 - 4	3.00	3.06			
5 - 9	3.89	3.96			
over 10 hcf	6.00	6.12			
Public and Commercial			1,469	1,802,500	5,895,300
Tier I	3.21	3.27			
Tier II	3.26	3.32			
Tier III	3.31	3.37			
Agriculture, Landscaping, and Construction			1,348	1,620,500	7,176,300
Tier I	4.37	4.45			
Tier II	4.42	4.50			
Tier III	4.47	4.56			
Total			48,704	11,704,100	\$ 40,901,400
Government Fee	0.32	0.37	-	-	443,500
Total Water Sales			48,704	11,704,100	\$ 41,344,900

*Proposed rates for water billed beginning in January 2016.

FY 2016 UNIT SALES BY SERVICE CLASS

■ Residential	6,954,400	60%
■ Master Meter	1,326,700	10%
■ Public and Commercial	1,802,500	20%
■ Agricultural and Landscaping	1,620,500	10%
	<u>11,704,100</u>	<u>100%</u>



Unit Sales History and Meter Count by Customer Class - Potable

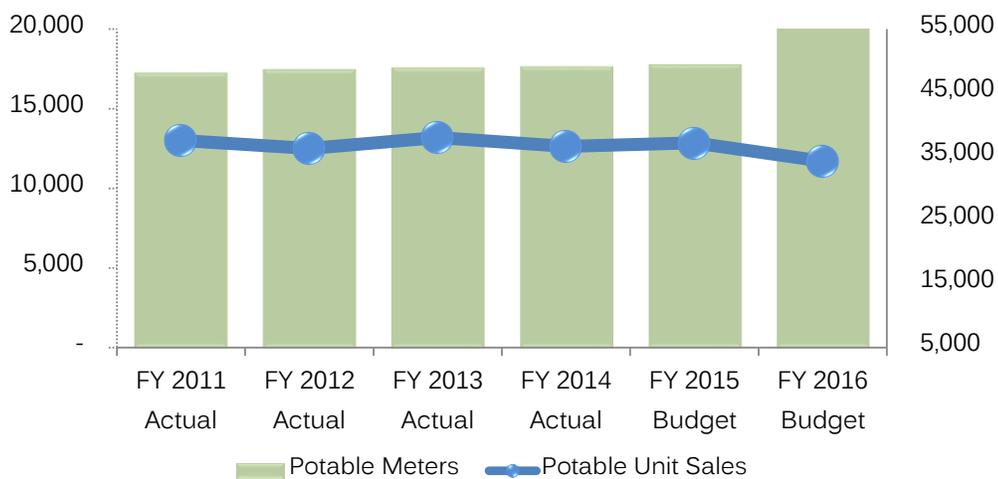
Unit Sales History (in hcf)

Customer Class	Actual				Budget	Budget
	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
Residential	7,486,069	7,507,214	7,836,873	8,050,828	7,674,100	6,954,400
Master Meters	1,389,616	1,409,515	1,495,057	1,536,902	1,427,500	1,326,700
Public and Commercial	1,771,396	1,859,571	2,031,253	2,056,075	1,853,100	1,802,500
Agricultural and Landscaping	1,537,304	1,581,243	1,723,839	1,931,856	1,590,400	1,529,900
Temporary and Fire Services	179,472	153,351	102,020	144,458	171,300	90,600
Total Unit Sales	12,363,857	12,510,894	13,189,042	13,720,119	12,716,400	11,704,100

Meter Count

Customer Class	Actual				Budget	Budget
	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
Residential	43,903	44,396	44,670	44,826	44,945	45,078
Master Meters	797	799	800	798	798	809
Public and Commercial	1,434	1,433	1,493	1,449	1,439	1,470
Agricultural and Landscaping	1,223	1,227	1,227	1,229	1,232	1,228
Temporary and Fire Services	797	810	772	846	843	869
Total Unit Sales	48,154	48,665	48,962	49,148	49,257	49,454

UNIT SALES (IN THOUSAND) AND METER COUNT TRENDS

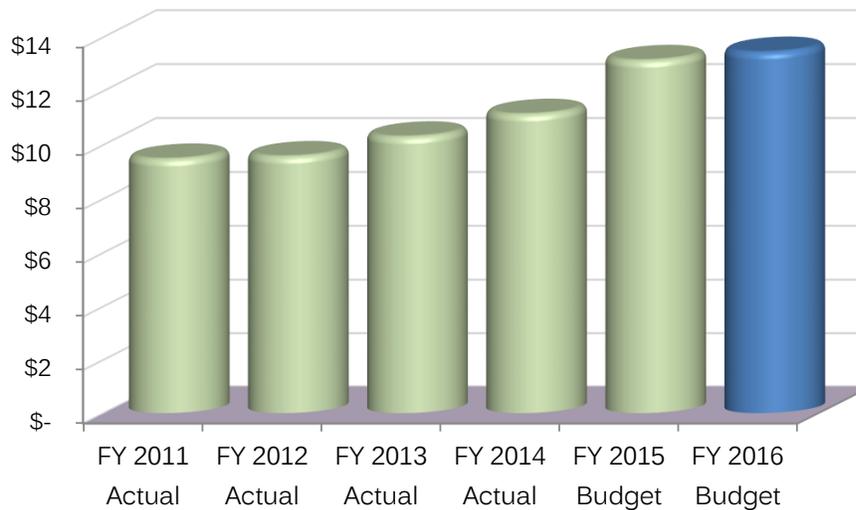


System Fees - Potable

Meter	FY 2016	Current	Proposed*	FY 2015	FY 2016	Budget to Budget Variance	
Size	Meter Count	Rates	Rates	Budget	Budget	\$	%
All Service Types							
0.75	43,794	\$ 19.39	\$ 18.50	\$ 9,340,100	\$ 9,939,000	\$ 598,900	6.41%
1.00	2,433	27.39	26.14	725,600	781,400	55,800	7.69%
1.50	940	47.40	45.23	491,400	522,200	30,800	6.27%
2.00	1,082	71.39	68.13	850,500	905,800	55,300	6.50%
3.00	75	135.41	129.22	107,300	117,600	10,300	9.60%
4.00	184	207.43	197.95	405,600	445,300	39,700	9.79%
6.00	16	407.50	388.88	71,800	76,500	4,700	6.55%
8.00	3	647.56	617.97	21,400	22,800	1,400	6.54%
10.00	5	927.63	885.24	51,100	54,400	3,300	6.46%
Sub-total	48,532			12,064,800	12,865,000	800,200	65.81%
Fire Services							
0.63	691	25.32	24.16	190,700	205,100	14,400	7.55%
0.75	9	25.32	24.16	2,500	2,700	200	8.00%
1.00	26	25.32	24.16	7,500	7,700	200	2.67%
2.00	16	25.32	24.16	6,000	4,800	(1,200)	-20.00%
3.00	-	25.32	24.16	-	-	-	
4.00	-	34.12	32.56	-	-	-	
10.00	-	34.12	32.56	-	-	-	
Sub-total	742			206,700	220,300	13,600	-1.78%
Turn Over Fees		10.00	10.00	66,000	66,000	-	
Total	49,274			\$ 12,337,500	\$ 13,151,300	\$ 813,800	6.60%

*Proposed rates for water billed beginning in January 2016.

HISTORICAL SYSTEM FEES, IN MILLIONS (\$)



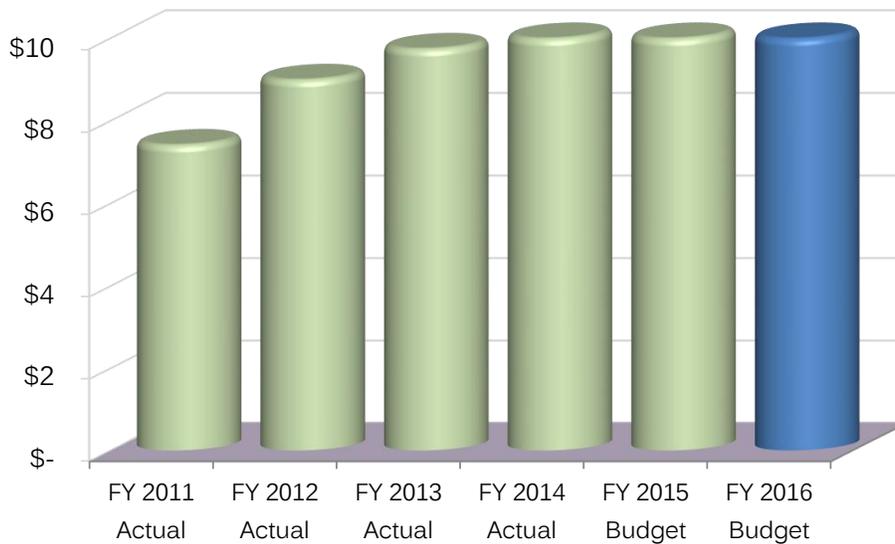
MWD and CWA Fixed Fees (Pass-Through) - Potable

Meter	FY 2016	Current	Proposed*	FY 2015	FY 2016	Budget to Budget Variance	
Size	Meter Count	Rates	Rates	Budget	Budget	\$	%
0.75	43,796	\$ 13.67	\$ 16.84	\$ 7,379,700	\$ 8,004,300	\$ 624,600	8.46%
1.00	2,572	25.35	31.24	749,900	873,300	123,400	16.46%
1.50	935	57.35	70.66	662,200	717,800	55,600	8.40%
2.00	1,083	97.53	120.17	1,300,000	1,414,600	114,600	8.82%
3.00	76	207.44	255.60	184,300	208,800	24,500	13.29%
4.00	98	332.20	409.32	387,600	432,200	44,600	11.51%
6.00	16	680.02	837.89	134,300	145,700	11,400	8.49%
8.00	3	1,098.15	1,353.09	40,700	44,100	3,400	8.35%
10.00	5	1,580.67	1,947.62	97,500	105,800	8,300	8.51%
						-	
Total	48,584			\$ 10,936,200	\$ 11,946,600	\$ 1,010,400	9.24%

* Proposed rates for water billed beginning in January 2016.

Note: Construction meters, Fire Services, and Recycled Meters are exempt from MWD and CWA Fixed Fees.

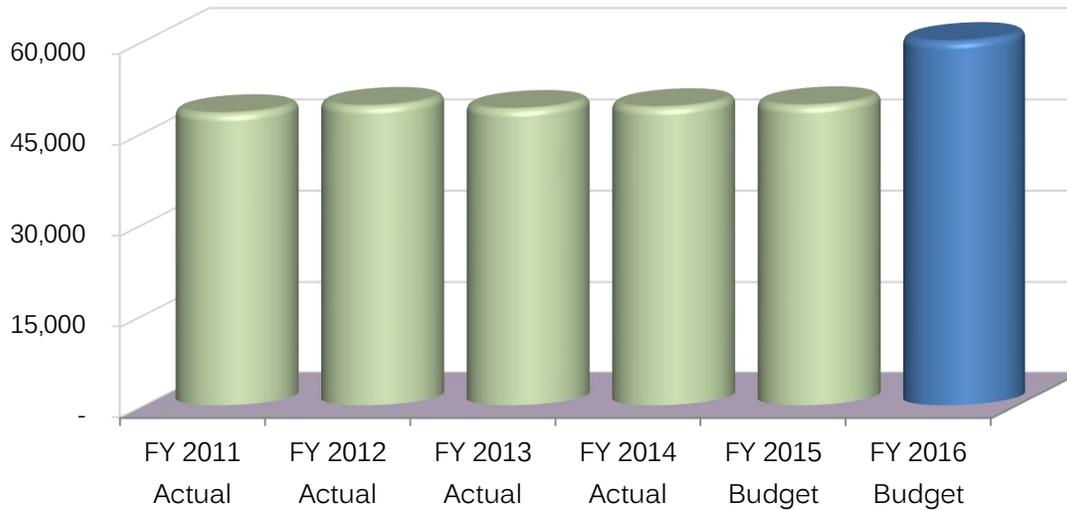
HISTORICAL MWD AND CWA FIXED FEES, IN MILLIONS (\$)



Meter Fees - Potable

Meter Size	Meter Sales	Installation Fee	Meter Fee	Total Fees	Budgeted Amount
0.75	162	\$ 102.56	\$ 216.13	\$ 318.69	\$ 51,600
1.00	-	102.56	278.89	381.45	-
1.50	1	102.56	453.31	555.87	600
2.00	-	102.56	649.55	752.11	-
3.00	2	617.51	2,024.25	2,641.76	5,300
4.00	2	617.51	3,515.80	4,133.31	8,300
6.00	-	975.40	6,072.73	7,048.13	-
8.00	-	1,495.69	7,587.43	9,083.12	-
10.00	-	1,495.69	10,912.14	12,407.83	-
Total	167				\$ 65,800

HISTORICAL METER COUNT



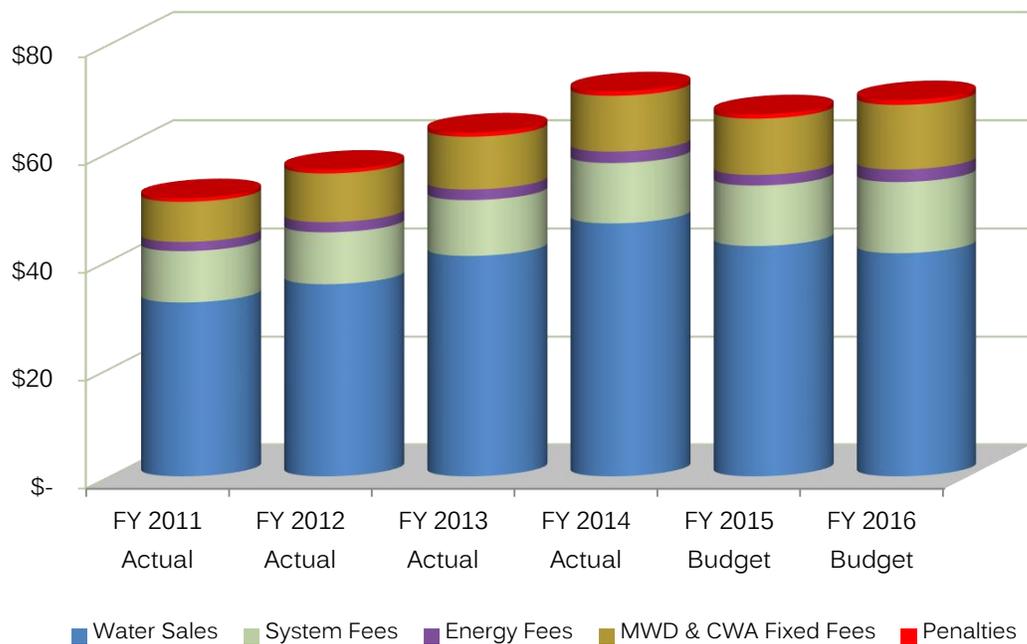
Meter Fees:

Meter Fees are charges collected for new water service connections. Fees vary depending upon

Revenue History - Potable

	Actual				Budget	Budget
	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
Water Sales	\$ 32,236,451	\$ 35,615,558	\$ 40,845,630	\$ 46,856,253	\$ 42,668,000	\$ 41,344,900
System Fees	9,490,904	9,583,563	10,315,199	11,152,291	11,184,200	13,151,300
Energy Fees	1,693,186	1,881,776	1,964,062	2,114,844	1,958,100	2,311,300
MWD and CWA Fixed Fees	7,421,386	9,000,267	9,747,977	10,309,983	10,399,700	11,946,600
Penalties	665,931	703,081	796,426	839,025	823,500	887,000
Total Potable Revenues	\$ 51,507,858	\$ 56,784,245	\$ 63,669,294	\$ 71,272,396	\$ 67,033,500	\$ 69,641,100

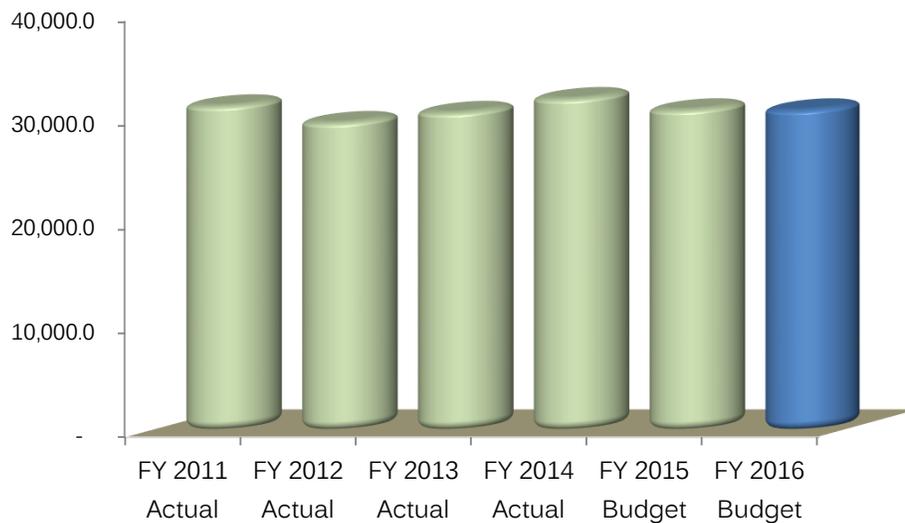
REVENUE HISTORY - POTABLE, IN MILLIONS (\$)



Water Purchases and Related Costs - Potable

	FY 2015 Budget	FY 2016 Budget	FY 2015 Budget	FY 2016 Budget	Budget to Budget Variance	
	Acre Feet		Purchase Costs		\$	%
Potable Water Purchases (CWA):						
Rate Effective January			\$ 1,143.00	\$ 1,253.00	\$ 110.00	9.62%
Budgeted Sales	29,192.4	26,868.7	\$ 32,710,200	\$ 30,968,000	\$ (1,742,200)	-5.33%
District & Unbilled Usage	61.2	61.2	69,100	70,800	1,700	2.46%
Water Loss	1,539.7	1,122.1	1,725,300	1,293,300	(432,000)	-25.04%
Total Water Purchases - Potable						
Budgeted Sales (CSD)	-	-	16,900	-	(16,900)	0.00%
Total Variable Charges	30,793.3	28,052.0	\$ 34,521,500	\$ 32,332,100	\$ (2,189,400)	-6.34%
CWA and MWD Fixed Charges:						
CWA - Infrastructure Access Charge			\$ 1,901,400	\$ 1,931,400	\$ 30,000	1.58%
CWA - Customer Service Charge			1,792,200	1,777,800	(14,400)	-0.80%
CWA - Emergency Storage Charge			4,741,200	4,681,800	(59,400)	-1.25%
CWA - Reliability Fixed Charge			-	950,400	950,400	100.00%
MWD - Capacity Reservation Charge			701,400	806,400	105,000	14.97%
MWD - Readiness-to-Serve Charge			1,800,000	1,798,800	(1,200)	-0.07%
Total Fixed Charges			\$ 10,936,200	\$ 11,946,600	\$ 1,010,400	9.24%
Total Variable and Fixed Charges			\$ 45,457,700	\$ 44,278,700	\$ (1,179,000)	-2.59%
Average Cost Per Acre-Foot			\$ 1,476	\$ 1,578		

HISTORICAL POTABLE WATER PURCHASES, IN ACRE-FEET

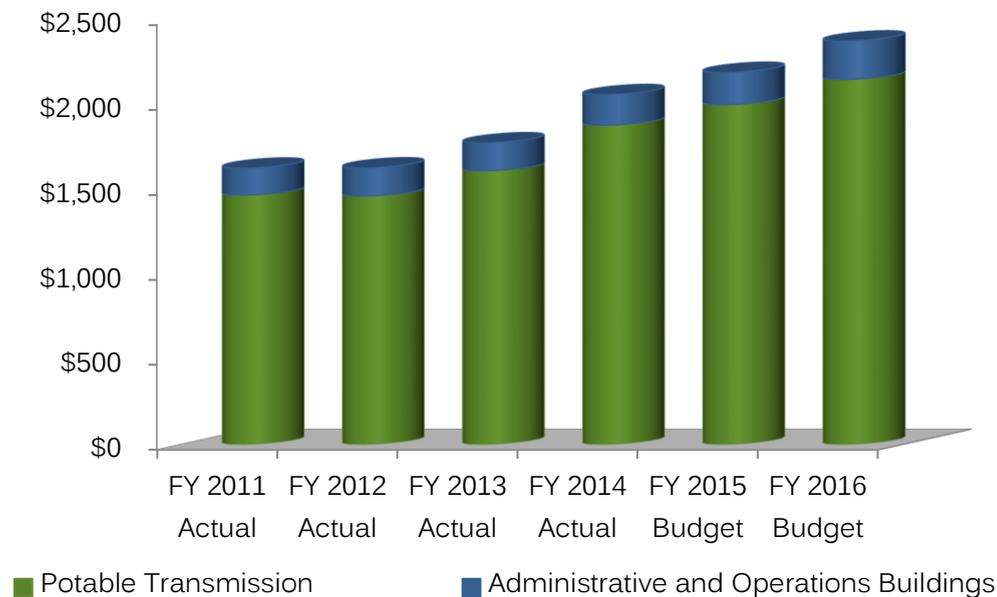


Power Costs - Potable

	Budget		Budget to Budget Variance	
	FY 2015	FY 2016	\$	%
Administrative and Operations Buildings	\$ 189,600	\$ 225,700	\$ 36,100	19.0%
Potable Transmission	1,998,800	2,146,700	147,900	7.4%
Total Potable Power Costs	\$ 2,188,400	\$ 2,372,400	\$ 184,000	8.4%

Historical Power Costs	Actual				Budget	Budget
	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
Administrative and Operations Buildings	\$ 158,657	\$ 165,099	\$ 164,785	\$ 179,919	\$ 189,600	\$ 225,700
Potable Transmission	1,468,322	1,463,075	1,610,428	1,878,026	1,998,800	2,146,700
Total Potable Power Costs	\$ 1,626,979	\$ 1,628,174	\$ 1,775,213	\$ 2,057,945	\$ 2,188,400	\$ 2,372,400

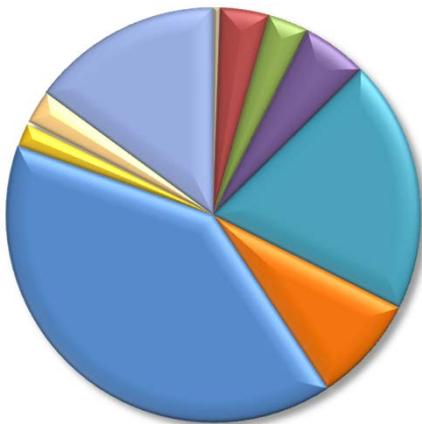
HISTORICAL POWER COSTS, IN THOUSANDS (\$)



Administrative Expenditures - Potable

	FY 2014	FY 2015	FY 2016	Budget to Budget Variance	
	Actual	Budget	Budget	\$	%
Administrative Expenditures					
Directors' Fees	\$ 19,834	\$ 30,000	\$ 30,000	\$ -	-
Travel and Meetings	147,068	207,700	214,400	6,700	3.2%
Conservation and Outreach	136,743	174,900	176,900	2,000	1.1%
General Office Expense	258,732	280,800	284,700	3,900	1.4%
Equipment	942,826	1,133,300	1,106,500	(26,800)	(2.4%)
Fees	489,867	498,700	470,900	(27,800)	(5.6%)
Services	1,286,792	2,042,300	2,224,600	182,300	8.9%
Training	65,818	123,500	99,000	(24,500)	(19.8%)
Utilities	12,929	14,000	14,900	900	6.4%
Bad Debt Expense	149,213	\$ 148,000	148,000	-	0.0%
Total	\$ 3,509,822	\$ 4,653,200	\$ 4,769,900	\$ 116,700	2.5%
Less: Overhead Allocation	(737,254)	(767,100)	(740,700)	26,400	0.0%
Subtotal	\$ 2,772,568	\$ 3,886,100	\$ 4,029,200	\$ 143,100	3.7%
General Expenses	844,099	1,041,000	836,000	(205,000)	(19.7%)
Total Expenditures	\$ 3,616,667	\$ 4,927,100	\$ 4,865,200	\$ (61,900)	(1.3%)

FY 2016 ADMINISTRATIVE EXPENDITURES - POTABLE

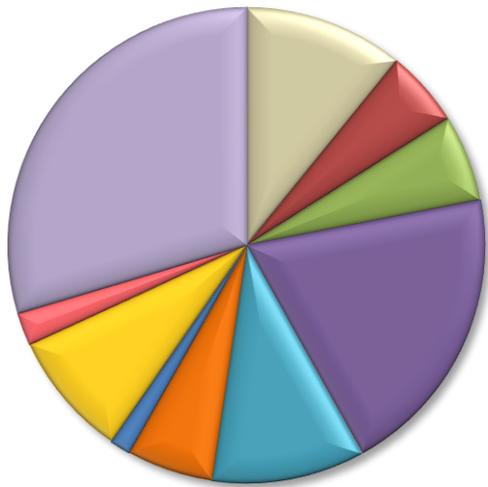


Directors' Fees	\$ 30,000	0.5%
Travel and Meetings	214,400	3.8%
Conservation and Outreach	176,900	3.2%
General Office Expense	284,700	5.1%
Equipment	1,106,500	19.7%
Fees	470,900	8.4%
Services	2,224,600	39.7%
Training	99,000	1.8%
Utilities	14,900	0.3%
Miscellaneous	148,000	2.6%
General Expenses	836,000	14.9%
Subtotal	\$ 5,605,900	100.0%
Less: Overhead Allocation	(740,700)	
Total Administrative Expenses	\$ 4,865,200	

Materials and Maintenance Expenditures - Potable

	FY 2014	FY 2015	FY 2016	Budget to Budget Variance	
	Actual	Budget	Budget	\$	%
Materials and Maintenance					
Fuel and Oil	\$ 187,861	\$ 289,300	\$ 235,600	\$ (53,700)	(18.6%)
Meters and Materials	63,345	113,100	113,100	-	0.0%
Fleet Parts and Equipment	111,271	128,400	127,400	(1,000)	(0.8%)
Infrastructure Equipment & Supplies	358,877	367,900	433,500	65,600	17.8%
Chemicals	208,743	223,500	225,500	2,000	0.9%
Safety Equipment	31,888	41,300	126,300	85,000	205.8%
Laboratory Equipment and Supplies	35,057	35,000	31,000	(4,000)	(11.4%)
Other Materials and Supplies	126,227	126,300	185,200	58,900	46.6%
Building and Grounds Materials	55,608	46,500	47,900	1,400	3.0%
Contracted Services	475,764	550,500	642,800	92,300	16.8%
Total Expenditures	\$ 1,654,641	\$ 1,921,800	\$ 2,168,300	\$ 246,500	12.8%

FY 2016 MATERIALS AND MAINTENANCE EXPENDITURES - POTABLE



Fuel and Oil	\$ 235,600	10.9%
Meters and Materials	113,100	5.2%
Fleet Parts and Equipment	127,400	5.9%
Infrastructure Equipment and Supplies	433,500	20.0%
Chemicals	225,500	10.4%
Safety Equipment	126,300	5.9%
Laboratory Equipment and Supplies	31,000	1.4%
Other Materials and Supplies	185,200	8.5%
Building and Grounds Materials	47,900	2.2%
Contracted Services	642,800	29.6%
	\$ 2,168,300	100.0%

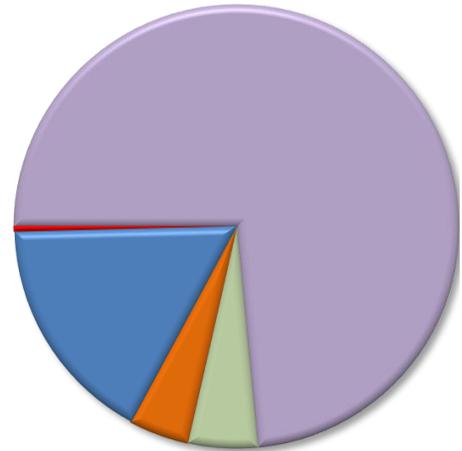
Operating Budget Summary - Recycled

	FY 2014	FY 2015	FY 2016	Budget to Budget Variance	
	Actual	Budget	Budget	\$	%
Water Sales					
Recycled Water Sales	\$ 10,014,767	\$ 8,826,600	\$ 9,111,200	\$ 284,600	3.2%
Meter Fees	962	400	400	-	0.0%
Interest	16,001	7,400	6,300	(1,100)	(14.9%)
General Fund Draw Down	61,600	-	-	-	0.0%
	<u>\$ 10,093,330</u>	<u>\$ 8,834,400</u>	<u>\$ 9,117,900</u>	<u>\$ 283,500</u>	<u>3.2%</u>
Recycled Water Purchases	\$ 1,661,887	\$ 1,601,500	\$ 1,705,800	\$ 104,300	6.5%
Power	591,883	469,400	563,600	94,200	20.1%
Labor and Benefits	1,144,717	1,181,800	1,181,600	(200)	(0.0%)
Administrative Expenses	298,562	285,600	321,800	36,200	12.7%
Materials & Maintenance	282,827	295,900	287,800	(8,100)	(2.7%)
Subtotal - Operations Costs	<u>\$ 3,979,876</u>	<u>\$ 3,834,200</u>	<u>\$ 4,060,600</u>	<u>\$ 226,400</u>	<u>5.9%</u>
Expansion Reserve	10,000	2,538,900	2,691,000	152,100	6.0%
Betterment Reserve	125,000	725,000	1,945,000	1,220,000	168.3%
Replacement Reserve	4,230,000	1,679,000	328,000	(1,351,000)	(80.5%)
Transfer to OPEB	66,900	57,300	58,300	1,000	1.7%
Transfer to New Supply Fund	-	-	35,000	35,000	1.0
Subtotal - Reserve Funding	<u>\$ 4,431,900</u>	<u>\$ 5,000,200</u>	<u>\$ 5,057,300</u>	<u>\$ 57,100</u>	<u>1.1%</u>
TOTAL EXPENDITURES	<u>\$ 8,411,776</u>	<u>\$ 8,834,400</u>	<u>\$ 9,117,900</u>	<u>\$ 283,500</u>	<u>3.2%</u>
EXCESS REVENUES/ (EXPENDITURES)	<u>\$ 1,681,554</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	

Classification of Water Sales - Recycled

	FY 2014	FY 2015	FY 2016	Budget to Budget Variance	
	Actual	Budget	Budget	\$	%
Water Sales	\$ 7,416,631	\$ 6,506,000	\$ 6,694,500	\$ 188,500	2.9%
System Fees	356,806	438,600	459,500	20,900	4.8%
Energy Fees	383,513	322,300	399,200	76,900	23.9%
MWD and CWA Rebates	1,828,134	1,522,800	1,522,900	100	0.0%
Penalties	29,682	36,900	35,100	(1,800)	-4.9%
Total Recycled Water Sales	\$ 10,014,767	\$ 8,826,600	\$ 9,111,200	\$ 284,600	3.2%

Water Sales	6,694,500	73%
System Charges	459,500	5%
Energy Charges	399,200	4%
MWD and CWA Rebates	1,522,900	17%
Penalties	35,100	1%
Total	9,111,200	100%



Water Rates: 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 \$.072 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		Fiscal Year 2016 Sales Budget		
	Current	Proposed*	Accounts	Units	Amount
Recycled .75" and 1.0" Meter			101	49,300	\$ 186,900
Tier I	\$ 3.73	\$ 3.80			
Tier II	3.79	3.86			
Tier III	3.84	3.91			
Recycled 1.5" and 2.0" Meter			591	1,253,400	4,751,000
Tier I	3.73	3.80			
Tier II	3.79	3.86			
Tier III	3.84	3.91			
Recycled 3.0" and 4.0" Meter			11	87,100	329,800
Tier I	3.73	3.80			
Tier II	3.79	3.86			
Tier III	3.84	3.91			
Recycled more than 6.0" Meter			1	281,300	1,073,200
Tier I	3.73	3.80			
Tier II	3.79	3.86			
Tier III	3.84	3.91			
Recycled Commercial <10" Meter			1	37,900	104,700
Tier I	2.72	2.77			
Tier II	2.77	2.82			
Tier III	2.81	2.86			
Recycled Commercial >10" Meter			1	14,100	39,100
Tier I	2.72	2.77			
Tier II	2.77	2.82			
Tier III	2.81	2.86			
Total			706	1,723,100	\$ 6,484,700
Government Fee	0.32	0.34	-	-	209,800
Total Water Sales			706	1,723,100	\$ 6,694,500

*Proposed rates for water billed beginning in January 2016.

Unit Sales History and Meter Count by Customer Class - Recycled

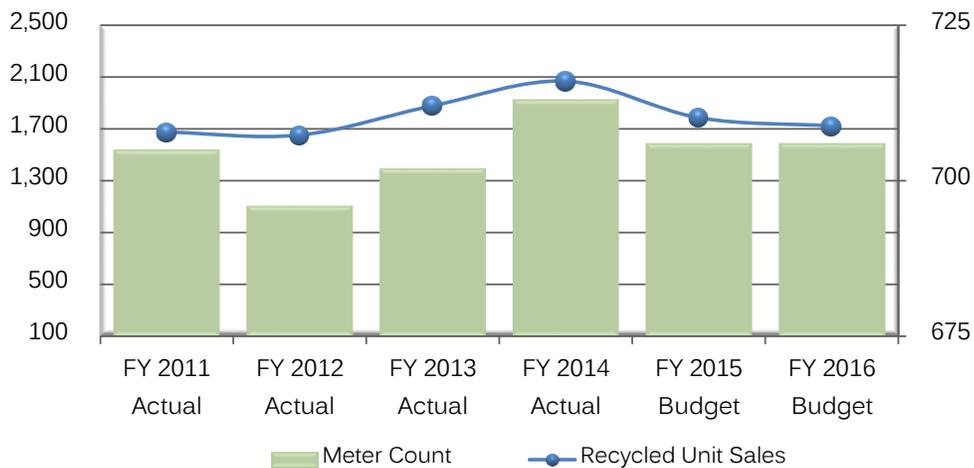
Unit Sales History (in hcf)

Customer Class	Actual				Budget	Budget
	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
Recycled .75" & 1.0" Meter	46,328	47,699	59,698	68,523	60,075	49,300
Recycled 1.5" & 2.0" Meter	1,220,953	1,201,012	1,366,238	1,474,879	1,333,479	1,253,400
Recycled 3.0" & 4.0" Meter	74,444	93,899	100,991	134,386	97,951	87,100
Recycled > 6.0" Meter	333,866	310,223	352,023	390,542	242,753	281,300
Recycled Commercial<10" Meter	-	-	-	-	37,850	37,900
Recycled Commercial>10" Meter	-	-	-	-	14,140	14,100
Total Unit Sales	1,675,591	1,652,833	1,878,950	2,068,330	1,786,248	1,723,100

Meter Count

Customer Class	Actual				Budget	Budget
	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
Recycled .75" & 1.0" Meter	95	101	103	100	100	101
Recycled 1.5" & 2.0" Meter	576	581	587	588	591	591
Recycled 3.0" & 4.0" Meter	11	11	11	11	11	11
Recycled > 6.0" Meter	4	3	3	3	1	1
Recycled Commercial<10" Meter	-	-	-	-	1	1
Recycled Commercial>10" Meter	-	-	-	-	1	1
Total Meter Count	686	696	704	702	705	706

UNIT SALES (IN THOUSANDS) AND METER COUNT TRENDS

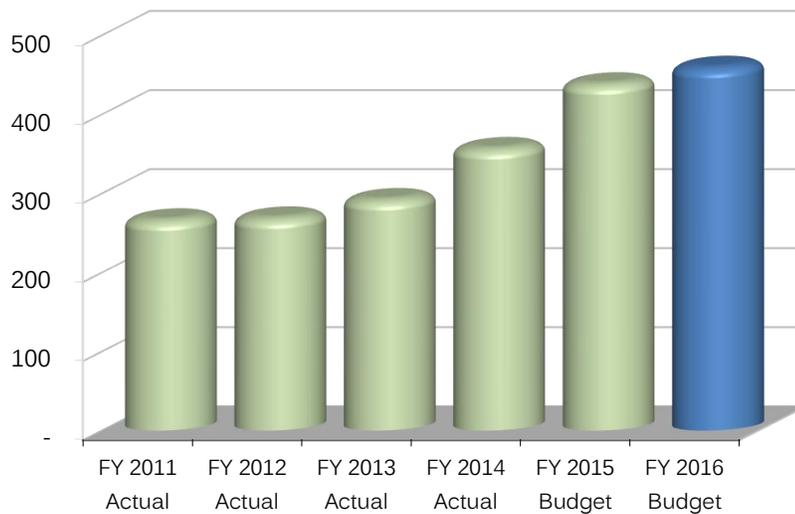


System Fees - Recycled

Meter	Meter Count	Current	Proposed*	FY 2015	FY 2016	Budget to Budget Variance	
Size	Budget	Rates	Rates	Budget	Budget	\$	%
0.75	2	\$ 19.39	\$ 18.50	\$ 400	\$ 500	\$ 100	20%
1.00	99	27.39	26.14	30,200	31,800	1,600	5%
1.50	396	47.40	45.23	206,700	220,100	13,400	6%
2.00	195	71.39	68.13	153,300	163,200	9,900	6%
3.00	4	135.41	129.22	6,000	6,400	400	6%
4.00	7	207.43	197.95	18,300	17,000	(1,300)	-8%
6.00	2	407.50	388.88	13,500	9,600	(3,900)	-41%
8.00	-	647.56	617.97	-	-	-	0%
10.00	1	927.63	885.24	10,200	10,900	700	6%
Total	706			\$ 438,600	\$ 459,500	\$ 20,900	5%

*Proposed rates for water billed beginning in January 2016.

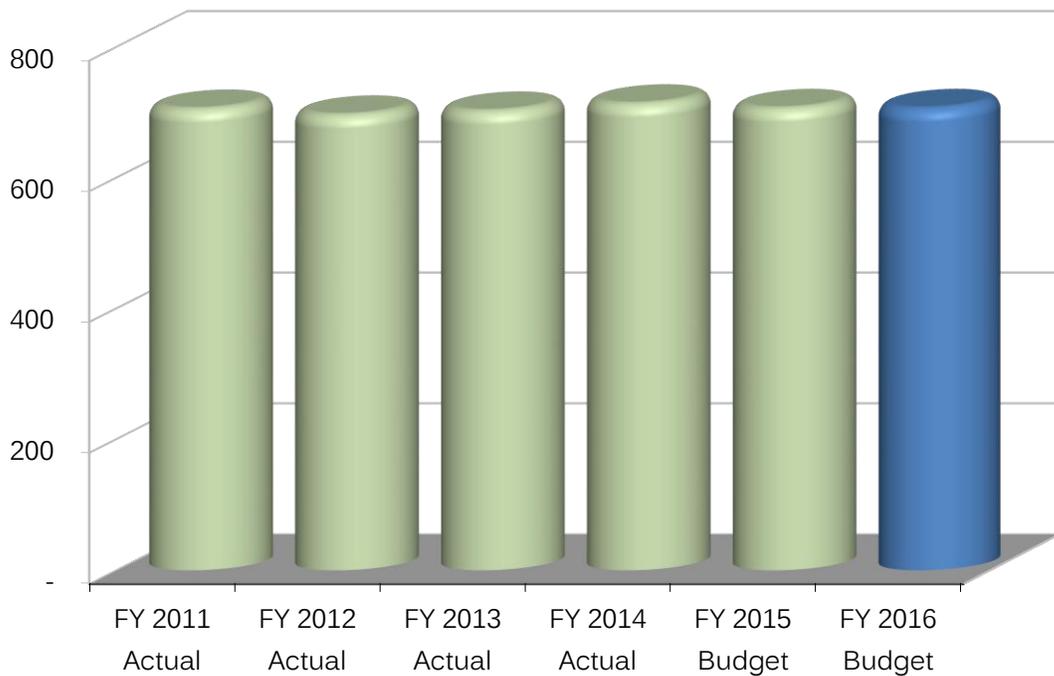
HISTORICAL SYSTEM FEES, IN THOUSANDS (\$)



Meter Fees - Recycled

Meter Size	Meter Sales	Installation Fee	Meter Fee	Total Fees	Total Amount
0.75	-	\$ 100.05	\$ 210.84	\$ 310.89	\$ -
1.00	1	100.05	272.07	372.12	400
1.50	-	100.05	442.23	542.28	-
2.00	-	100.05	633.66	733.71	-
3.00	-	602.41	1,974.74	2,577.15	-
4.00	-	602.41	3,429.81	4,032.22	-
6.00	-	951.55	5,924.22	6,875.77	-
8.00	-	1,459.11	7,401.87	8,860.98	-
10.00	-	1,459.11	10,645.27	12,104.38	-
Total	1				\$ 400

HISTORICAL METER COUNT



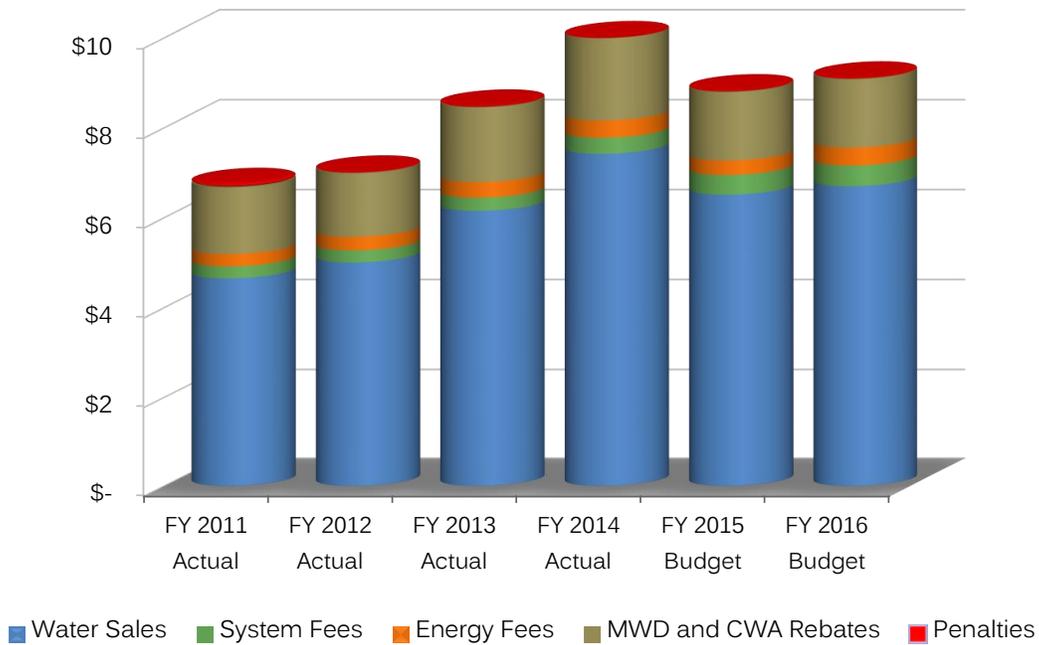
Meter Fees:

Meter Fees are 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

	Actual				Budgeted	Budgeted
	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
Water Sales	\$ 4,645,719	\$ 4,999,441	\$ 6,148,619	\$ 7,416,631	\$ 6,506,000	\$ 6,694,500
System Fees	266,547	268,937	292,201	356,806	438,600	459,500
Energy Fees	274,608	303,867	346,064	383,513	322,300	399,200
MWD and CWA Rebates	1,482,019	1,413,335	1,660,736	1,828,134	1,522,800	1,522,900
Penalties	93,146	33,323	40,867	29,682	36,900	35,100
Total Recycled Revenue	\$ 6,762,039	\$ 7,018,903	\$ 8,488,487	\$ 10,014,767	\$ 8,826,600	\$ 9,111,200

REVENUE HISTORY - RECYCLED, IN MILLIONS (\$)



Water Purchases - Recycled

FY 2015 Budget	FY 2016 Budget	FY 2015 Budget	FY 2016 Budget	Budget to Budget Variance	
Acre Feet		Purchase Costs		\$	%

SBWRP Recycled Water Purchases

Rate Effective January

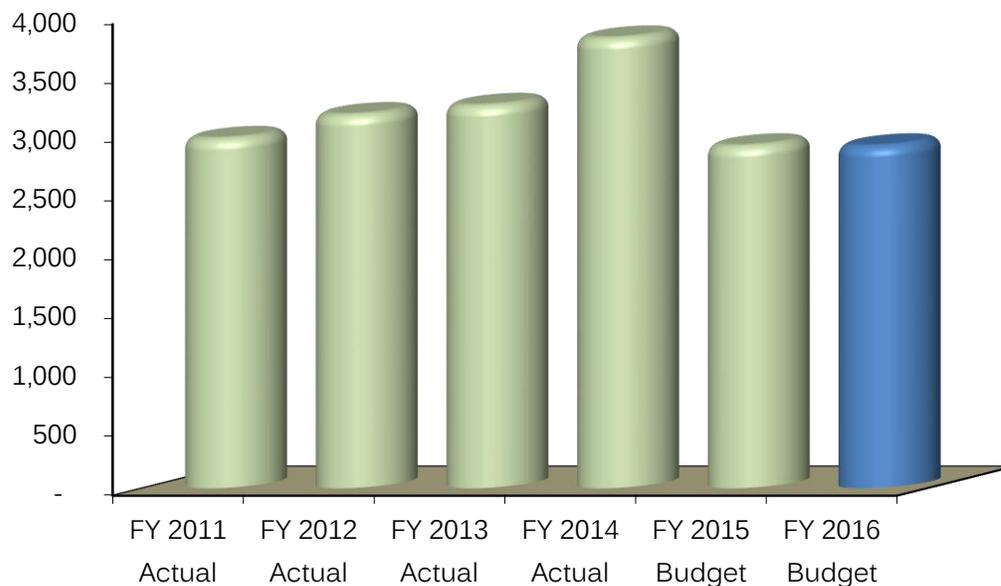
\$ 350.00 \$ 350.00

Recycled Water Purchases	2,906.4	2,906.4	\$ 1,017,200	\$ 1,017,200	\$ -	0.0%
Meter Fee \$1,646.50 monthly	-	-	19,800	19,800	-	0.0%
Take-or-pay contract ⁽¹⁾	1,612.8	1,910.8	564,500	668,800	104,300	18.5%
Total	4,519.2	4,817.2	\$ 1,601,500	\$ 1,705,800	\$ 104,300	6.5%

Average Cost Per Acre-Foot (Effective Rate)

\$ 551.02 \$ 586.92

HISTORICAL RECYCLED WATER PURCHASES, IN ACRE-FEET



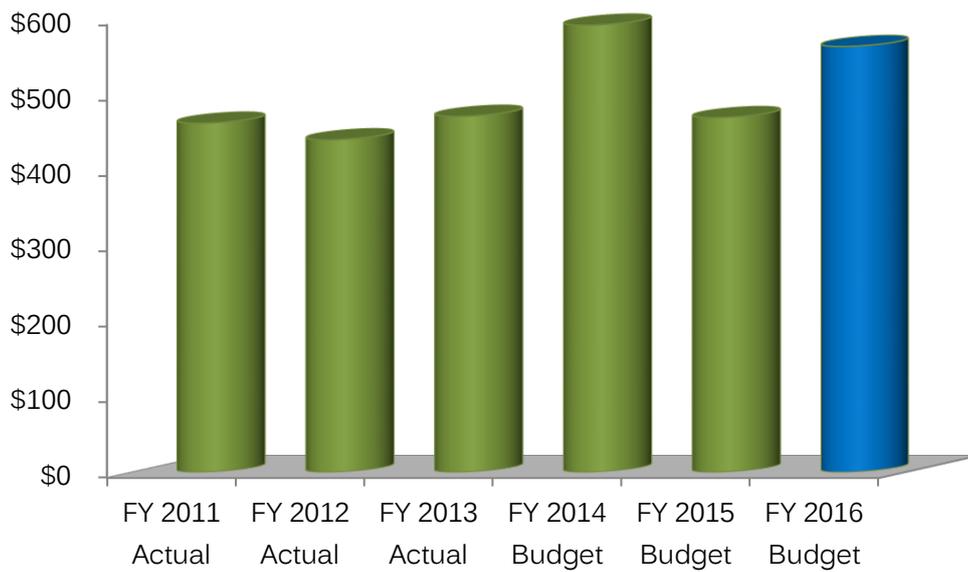
⁽¹⁾ This is the anticipated take-or-pay amount to be paid to the City of San Diego. The contract requires the purchase of a minimum volume of water. The District does not anticipate meeting the minimum, therefore a payment would be due to the City of San Diego.

Power Costs - Recycled

	Budget	Budget	Budget to Budget Variance	
	FY 2015	FY 2016	\$	%
Treatment and Recycled Transmission	\$ 469,400	\$ 563,600	\$ 94,200	20.1%

	Actual				Budget	Budget
Historical Power Costs	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
Treatment and Recycled Transmission	\$ 462,031	\$ 440,069	\$ 471,139	\$ 591,883	\$ 469,400	\$ 563,600

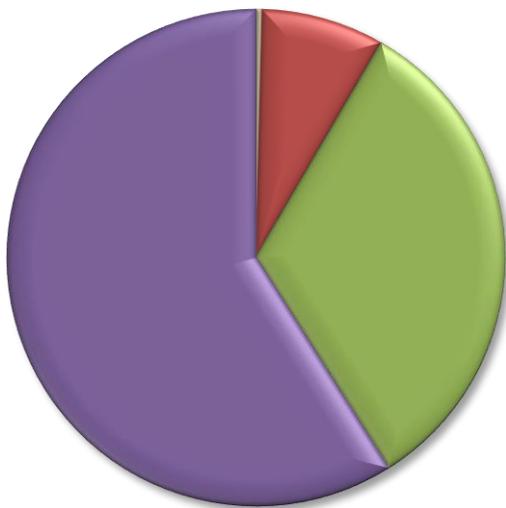
HISTORICAL POWER COSTS, IN THOUSANDS (\$)



Administrative Expenditures - Recycled

	FY 2014	FY 2015	FY 2016	Budget to Budget Variance	
	Actual	Budget	Budget	\$	%
Administrative Expenditures					
Travel and Meetings	\$ 42	\$ -	-	\$ -	-
Equipment	327	1,300	1,300	-	-
Fees	27,046	24,000	25,600	1,600	6.7%
Services	70,021	65,100	105,200	40,100	61.6%
Total	\$ 97,436	\$ 90,400	\$ 132,100	\$ 41,700	46.1%
Add: Overhead Allocation	201,126	195,200	189,700	(5,500)	(2.8%)
Total Expenditures	\$ 298,562	\$ 285,600	\$ 321,800	\$ 36,200	12.7%

FY 2016 ADMINISTRATIVE EXPENDITURES - RECYCLED

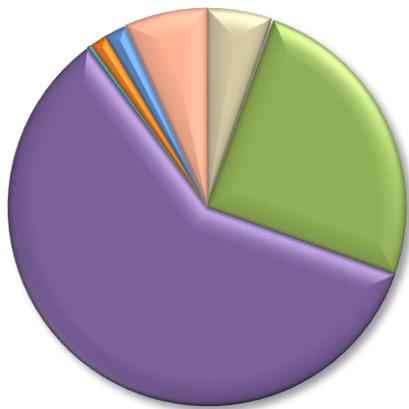


Equipment	\$ 1,300	0.4%
Fees	25,600	8.0%
Services	105,200	32.7%
Overhead Allocation	189,700	58.9%
	\$ 321,800	100.0%

Materials and Maintenance Expenditures - Recycled

	FY 2014	FY 2015	FY 2016	Budget to Budget Variance	
	Actual	Budget	Budget	\$	%
Materials and Maintenance					
Fuel and Oil	\$ 11,336	\$ 15,000	\$ 15,000	\$ -	0.0%
Meters and Materials	2,793	700	700	-	0.0%
Infrastructure Equipment & Supplies	85,660	87,500	72,000	(15,500)	(17.7%)
Chemicals	160,146	169,100	170,600	1,500	0.9%
Safety Equipment	-	1,000	1,000	-	-
Laboratory Equipment and Supplies	3,945	4,000	4,000	-	-
Other Materials and Supplies	7,056	5,300	5,200	(100)	(1.9%)
Contracted Services	11,891	13,300	19,300	6,000	45.1%
Total Expenditures	\$ 282,827	\$ 295,900	\$ 287,800	\$ (8,100)	(2.7%)

FY 2016 MATERIALS AND MAINTENANCE EXPENDITURES - RECYCLED



Fuel and Oil	\$ 15,000	5.2%
Meters and Materials	700	0.2%
Infrastructure Equipment & Supplies	72,000	25.0%
Chemicals	170,600	59.3%
Safety Equipment	1,000	0.3%
Laboratory Equipment and Supplies	4,000	1.4%
Other Materials and Supplies	5,200	1.8%
Contracted Services	19,300	6.7%
	\$ 287,800	100.0%

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Operating Budget Summary - Sewer

	FY 2014	FY 2015	FY 2016	Budget to Budget Variance	
	Actual	Budget	Budget	\$	%
REVENUES					
Sewer Revenues	\$ 2,757,867	\$ 3,007,700	\$ 3,206,300	\$ 198,600	6.6%
Capacity Fee Revenues	3,580	-	-	-	(100.0%)
Tax Revenues	44,321	51,600	51,600	-	0.0%
Non-operating Revenues	32,904	33,800	37,200	3,400	10.1%
Interest	8,172	4,600	8,200	3,600	78.3%
Transfer from Potable General Fund	-	553,800	-	(553,800)	(100.0%)
General Fund Draw Down	152,800	-	-	-	(100.0%)
TOTAL REVENUES	\$ 2,999,644	\$ 3,651,500	\$ 3,303,300	\$ (348,200)	(9.5%)
EXPENDITURES					
Power	\$ 159,018	\$ 180,600	\$ 176,800	\$ (3,800)	(2.1%)
Labor and Benefits	764,245	902,300	681,300	(221,000)	(24.5%)
Administrative Expenses	170,165	206,500	200,800	(5,700)	(2.8%)
Materials & Maintenance	1,220,408	1,402,100	1,156,700	(245,400)	(17.5%)
Subtotal - Operations Costs	\$ 2,313,836	\$ 2,691,500	\$ 2,215,600	\$ (475,900)	(17.7%)
Betterment Reserve	-	-	455,000	455,000	100.0%
Replacement Reserve	-	916,200	599,100	(317,100)	(34.6%)
Transfer to OPEB	61,400	43,800	33,600	(10,200)	(23.3%)
Subtotal - Reserve Funding	\$ 61,400	\$ 960,000	\$ 1,087,700	\$ 127,700	13.3%
TOTAL EXPENDITURES	\$ 2,375,236	\$ 3,651,500	\$ 3,303,300	\$ (348,200)	(9.5%)
EXCESS REVENUES (EXPENDITURES)	\$ 624,408	\$ -	\$ -	\$ -	

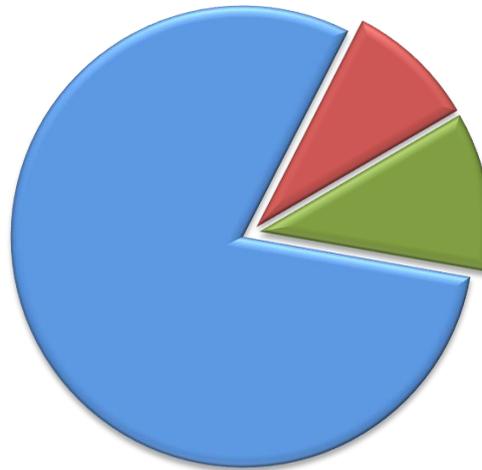
Sewer Charges Summary by Service Class

	FY 2016	Usage Fee		FY 2015	FY 2016	Budget to Budget Variance	
	Accounts	Current	Proposed ⁽¹⁾	Budget	Budget	\$	%
Single-Family	4,545	\$ 2.46	\$ 2.46	\$ 1,572,800	\$ 1,672,800	\$ 100,000	6%
Multi-Family	50	2.46	2.46	187,700	190,100	2,400	1%
Commercial							
Low Strength	55	2.46	2.46	53,300	54,900	1,600	3%
Medium Strength	13	3.53	3.53	33,600	34,000	400	1%
High Strength	7	5.63	5.63	17,500	39,200	21,700	55%
Schools				109,900	96,700	(13,200)	-14%
Churches				8,500	9,900	1,400	14%
Total Sewer Charges	<u>4,670</u>			<u>\$ 1,983,300</u>	<u>\$ 2,097,600</u>	<u>\$ 114,300</u>	

⁽¹⁾ Proposed rates for sewer service beginning in January 2016.

SEWER CHARGES BY SERVICE CLASS FY 2016

■ Single-Family	\$ 1,672,800	80.0%
■ Multi-Family	190,100	9.0%
■ Commercial	234,700	11.0%
	<u>\$ 2,097,600</u>	<u>100.0%</u>



Sewer Fixed Fee Summary by Meter Size

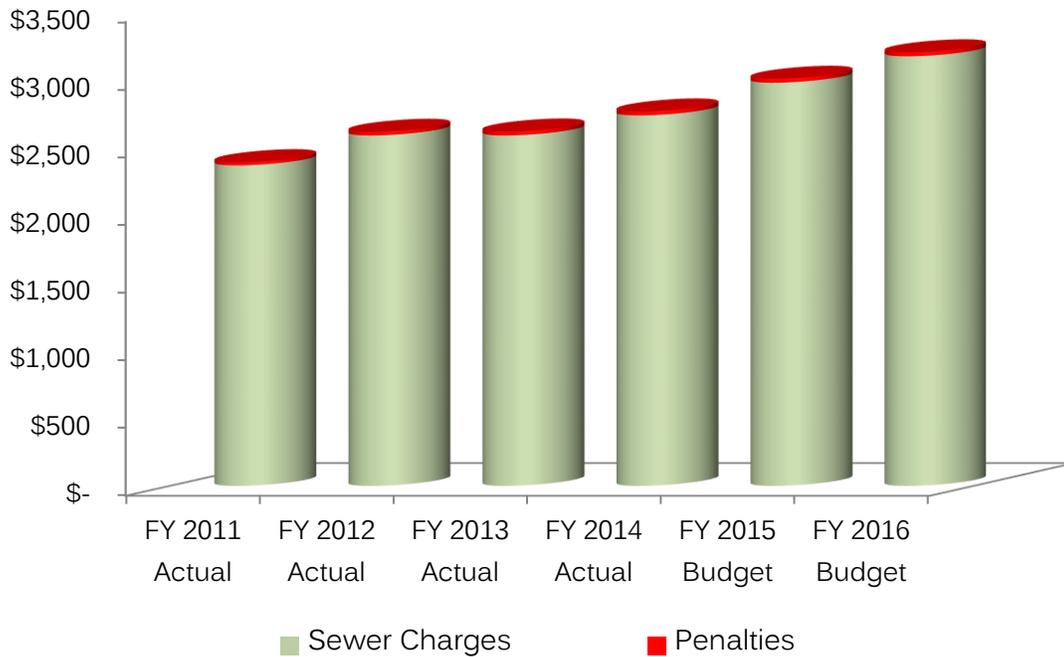
Meter size	FY 2016	Current	Proposed *	FY 2015	FY 2016	Budget to Budget Variance	
	Accounts	Rates	Rates	Budget	Budget	\$	%
Single-Family	4,545	\$ 15.89	\$ 17.19	\$ 824,900	\$ 901,800	\$ 76,900	8.5%
Non-Residential							
0.75	22	27.07	27.07	6,700	6,800	100	1.5%
1.00	5	39.89	39.89	2,800	2,800	-	0.0%
1.50	20	71.82	71.82	16,800	17,200	400	2.3%
2.00	63	110.17	110.17	81,400	83,400	2,000	2.4%
3.00	6	199.66	199.66	14,000	14,400	400	2.8%
4.00	6	327.51	327.51	23,000	23,600	600	2.5%
6.00	1	647.12	647.12	7,600	7,800	200	2.6%
8.00	-	1,030.67	1,030.67	-	-	-	
10.00	1	14,778.12	1,478.12	17,300	17,800	500	2.8%
Total Sewer Fixed Fee	<u>4,669</u>			<u>\$ 994,500</u>	<u>\$ 1,075,600</u>	<u>\$ 81,100</u>	

* Proposed rates for sewer service beginning in January 2016. Proposed Residential rate includes \$1.30 re-capture rate.

Revenue History - Sewer

	Actual				Budget	Budget
	FY 2012	FY 2013	FY 2014	FY 2014	FY 2015	FY 2016
Sewer Charges	\$ 2,363,313	\$ 2,368,192	\$ 2,588,991	\$ 2,736,867	\$ 2,977,900	\$ 3,173,000
Penalties	23,287	27,173	29,300	21,000	29,800	33,300
Total	\$ 2,386,600	\$ 2,395,365	\$ 2,618,291	\$ 2,757,867	\$ 3,007,700	\$ 3,206,300

REVENUE HISTORY - SEWER, IN THOUSANDS (\$)

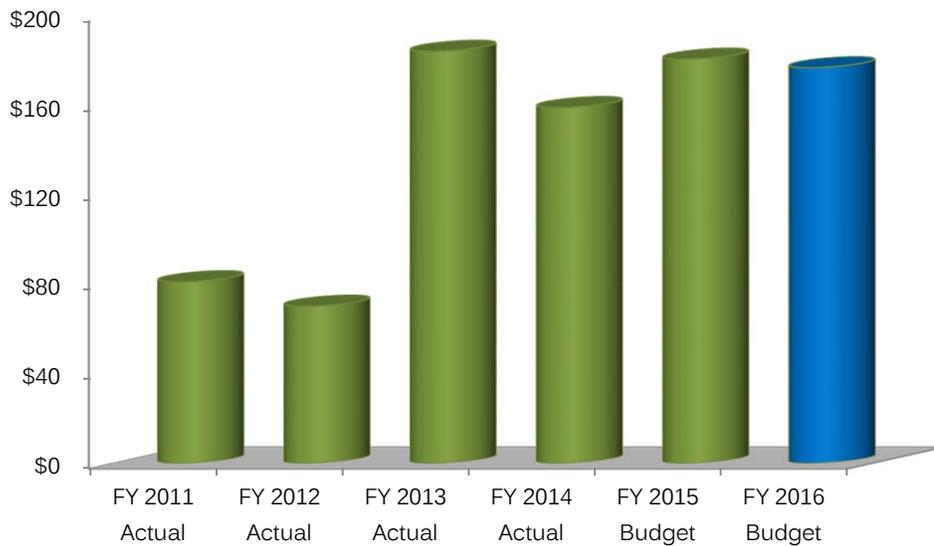


Power Costs - Sewer

	Budget	Budget	Budget to Budget Variance	
	FY 2015	FY 2016	\$	%
Treatment and Recycled Transmission	\$ 180,600	\$ 176,800	\$ (3,800)	-2.1%

	Actual				Budget	Budget
Historical Power Costs	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
Sewer Lifts Station	\$ 81,347	\$ 70,431	\$ 184,108	\$ 159,018	\$ 180,600	\$ 176,800

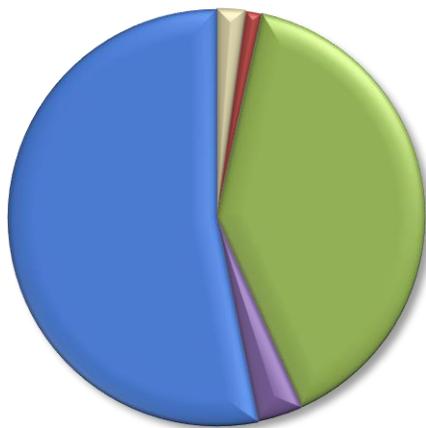
HISTORICAL POWER COSTS, IN THOUSANDS (\$)



Administrative Expenditures - Sewer

	FY 2014	FY 2015	FY 2016	Budget to Budget Variance	
	Actual	Budget	Budget	\$	%
Administrative Expenditures					
Equipment	\$ -	5,000	4,500	\$ (500)	(10.0%)
Fees	292	2,000	2,500	500	25.0%
Services	30,664	44,900	80,000	35,100	78.2%
Bad Debt Expense	5,380	7,000	7,000	-	0.0%
Total	\$ 36,336	\$ 58,900	\$ 94,000	\$ 35,100	59.6%
Add: Overhead Allocation	133,829	147,600	106,800	(40,800)	(27.6%)
Total Expenditures	\$ 170,165	\$ 206,500	\$ 200,800	\$ (5,700)	(2.8%)

FY 2016 ADMINISTRATIVE EXPENDITURES - SEWER

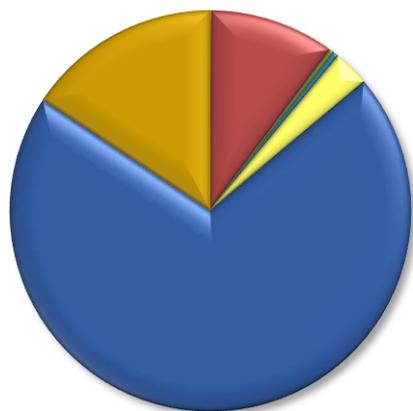


Equipment	\$ 4,500	2.2%
Fees	2,500	1.2%
Services	80,000	39.9%
Bad Debt Expense	7,000	3.5%
Overhead Allocation	106,800	53.2%
	<u>\$ 200,800</u>	<u>100.0%</u>

Materials and Maintenance Expenditures - Sewer

	FY 2014	FY 2015	FY 2016	Budget to Budget Variance	
	Actual	Budget	Budget	\$	%
Materials and Maintenance					
Fleet Parts and Equipment	1,006	1,500	1,500	-	-
Infrastructure Equipment & Supplies	51,627	69,600	115,800	46,200	66.4%
Chemicals	3,705	4,500	4,500	-	-
Safety Equipment	77	1,900	-	(1,900)	(100.0%)
Laboratory Equipment and Supplies	4,936	5,000	5,000	-	-
Other Materials and Supplies	198	200	100	(100)	(50.0%)
Contracted Services	36,335	24,500	33,400	8,900	36.3%
Materials and Maintenance	\$ 97,884	\$ 107,200	\$ 160,300	\$ 53,100	49.5%
Sewer Charges					
Metro O&M Costs	\$ 1,021,724	\$ 1,020,300	\$ 815,000	\$ (205,300)	(20.1%)
Spring Valley Sewer Charge	100,800	274,600	181,400	(93,200)	(33.9%)
Total Sewer Charges	1,122,524	1,294,900	996,400	(298,500)	(23.1%)
Total Expenditures	\$ 1,220,408	\$ 1,402,100	\$ 1,156,700	\$ (245,400)	(17.5%)

FY 2016 MATERIALS AND MAINTENANCE EXPENDITURES - SEWER



Fleet Parts and Equipment	\$ 1,500	0.100%
Infrastructure Equipment & Supplies	115,800	10.000%
Chemicals	4,500	0.400%
Laboratory Equipment & Supplies	5,000	0.400%
Other Materials and Supplies	100	0.000%
Contracted Services	33,400	2.900%
Metro O&M Costs	815,000	70.500%
Spring Valley Sewer Charge	181,400	15.700%
	\$ 1,156,700	100.0%

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General Revenues

	FY 2014	FY 2015	FY 2016	Budget to Budget Variance	
	Actual	Budget	Budget	\$	%
Fee Revenues					
Capacity Fee Revenues	\$ 1,170,985	\$ 1,150,600	\$ 1,134,800	\$ (15,800)	(1.4%)
Betterment Fees for Maintenance	485,738	301,800	-	(301,800)	(100.0%)
Subtotal Fee Revenues	1,656,723	1,452,400	1,134,800	(317,600)	(21.9%)
Tax Revenues					
1% General Tax	2,894,402	3,077,900	3,213,000	135,100	4.4%
Availability Fees	729,961	685,800	684,900	(900)	(0.1%)
Subtotal Tax Revenues	3,624,363	3,763,700	3,897,900	134,200	3.6%
General Revenues	\$ 5,281,086	\$ 5,216,100	\$ 5,032,700	\$ (183,400)	(3.5%)

Non-Operating Revenues

	FY 2014	FY 2015	FY 2016	Budget to Budget Variance	
	Actual	Budget	Budget	\$	%
Property Rental	\$ 1,317,736	\$ 1,302,500	\$ 1,269,800	(32,700)	(2.5%)
Sewer Billing Fees	372,473	372,400	375,500	3,100	0.8%
Set-up Fee for Lease Site	22,500	-	-	-	0.0%
Grants	40,867	-	-	-	0.0%
Revenue from Shared Facility	32,152	33,800	37,200	3,400	10.1%
Miscellaneous	271,791	239,100	191,100	(48,000)	(20.1%)
Non-Operating Revenues	\$ 2,057,519	\$ 1,947,800	\$ 1,873,600	\$ (74,200)	(3.8%)

General and Non-Operating Revenues by Business

	FY 2016 Budget			
	Potable	Recycled	Sewer	Total
Fee Revenues				
Capacity Fee Revenues	\$ 1,134,800	\$ -	\$ -	\$ 1,134,800
Betterment Fees for Maintenance	-	-	-	-
Total Fee Revenues	1,134,800	-	-	1,134,800
Tax Revenues				
1% General Tax	3,213,000	-	-	3,213,000
Availability Fees	633,300	-	51,600	684,900
Total Tax Revenues	3,846,300	-	51,600	3,897,900
Non-Operating Revenues				
Property Rental	1,269,800	-	-	1,269,800
Sewer Billing Fees	375,500	-	-	375,500
Revenue from Shared Facility	-	-	37,200	37,200
Miscellaneous	191,100	-	-	191,100
Total Non-Operating Revenues	1,836,400	-	37,200	1,873,600
Total General and Non-Operating Revenues	\$ 6,817,500	\$ -	\$ 88,800	\$ 6,906,300

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

General Expense

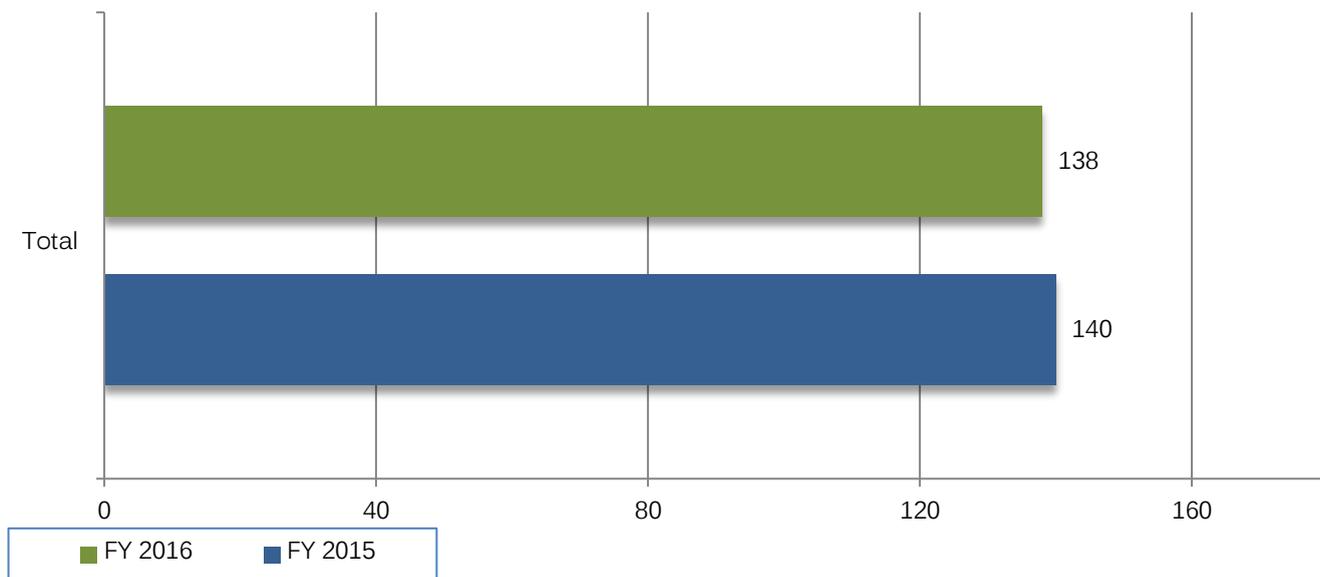
	FY 2014	FY 2015	FY 2016	Budget to Budget Variance	
	Actual	Budget	Budget	\$	%
<u>Administrative Expenditures</u>					
Legal Fees	\$ 280,069	\$ 410,000	\$ 250,000	\$ (160,000)	(39.0%)
General Insurance	549,869	631,000	\$ 586,000	(45,000)	(7.1%)
Fees	14,161	-	-	-	0.0%
Training	2,566	-	-	-	0.0%
Total Expenditures	846,665	1,041,000	836,000	(205,000)	(19.7%)
<u>Benefits</u>					
Benefits ⁽¹⁾	1,367,499	\$ 1,290,800	\$ 1,183,400	(107,400)	(8.3%)
Total General Expense	\$ 2,214,164	\$ 2,331,800	\$ 2,019,400	\$ (312,400)	(13.4%)

⁽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 2015 and FY 2016 is \$185,600 and \$338,300 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.

Labor and Benefits

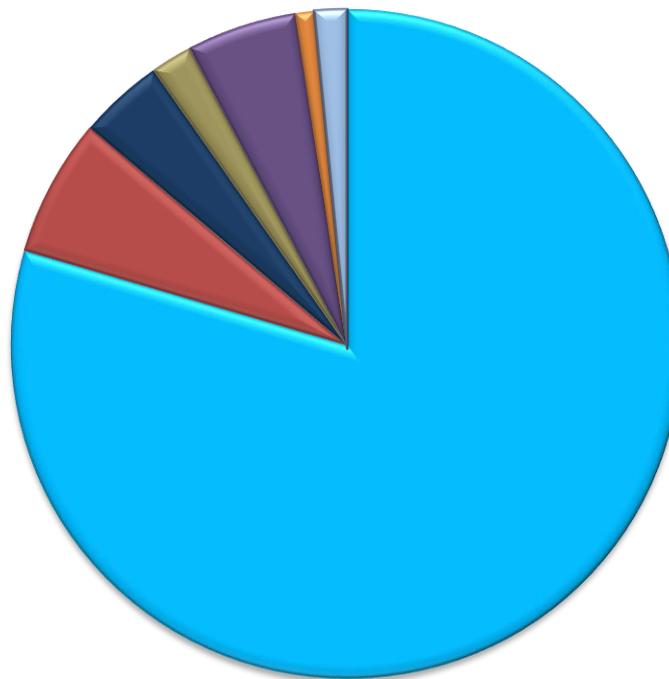
	FY 2015	FY 2016	Budget to Budget Variance	
	Budget	Budget	\$	%
Labor Costs	\$ 11,337,400	\$ 11,487,900	\$ 150,500	1.3%
Benefits				
Pension	3,596,600	3,885,300	288,700	8.0%
Employee Assistance Program	4,000	4,000	-	0.0%
Workers' Compensation	267,300	260,000	(7,300)	-2.7%
Health/Dental/Life Insurance/OPEB	3,825,600	4,012,200	186,600	4.9%
Social Security/Medicare	945,200	948,200	3,000	0.3%
Salary Continuation Insurance	65,000	67,800	2,800	4.3%
State Unemployment Insurance	60,000	30,000	(30,000)	-50.0%
Vacation/Sick/Holiday/Other Leave	2,103,800	2,195,300	91,500	4.3%
Total Fringe Benefits	10,867,500	11,402,800	535,300	4.9%
Total Labor and Benefits	22,204,900	22,890,700	685,800	3.1%
Less: Non-Operating Labor and Benefits				
Labor Costs	1,001,100	1,048,100	47,000	4.7%
Fringe Benefits Allocation	729,200	700,500	(28,700)	-3.9%
Total Work Order Allocation	1,730,300	1,748,600	18,300	1.1%
Operating Labor & Benefits	20,474,600	21,142,100	667,500	3.3%
Total Overhead Allocation	1,151,300	1,205,300	54,000	4.7%
Less: Overhead Allocation Personnel Portion	727,000	761,100	34,100	4.7%
Admin Portion of Overhead (36.85%)	424,300	444,200	19,900	4.7%
Net Operating Labor and Benefits	\$ 19,747,600	\$ 20,381,000	\$ 633,400	3.2%

Full-Time Equivalent (FTE)
Comparison by Department



Labor and Benefits by Fund - Fiscal Year 2016

	Potable	Sewer	Recycled	Developer Reimbursed-CIP	Total
Operating Labor Costs	\$ 9,740,000	\$ 252,100	\$ 447,700	\$ -	\$ 10,439,800
Benefits	10,047,500	246,100	408,700	-	10,702,300
Overhead Allocation-Personnel	(1,269,300)	183,100	325,100	-	(761,100)
Total Operating Labor and Benefits	18,518,200	681,300	1,181,500	-	20,381,000
CIP Labor Costs	561,000	152,200	138,000	196,900	1,048,100
Benefits	371,800	95,400	91,500	141,800	700,500
Overhead Allocation-Personnel	407,400	110,500	100,200	143,000	761,100
Total CIP Labor and Benefits	1,340,200	358,100	329,700	481,700	2,509,700
Total Labor and Benefits	\$ 19,858,400	\$ 1,039,400	\$ 1,511,200	\$ 481,700	\$ 22,890,700



Potable-Operating	\$ 18,518,200	80.9%
Potable-CIP	1,340,200	5.8%
Sewer-Operating	681,300	3.0%
Sewer-CIP	358,100	1.6%
Recycle-Operating	1,181,500	5.2%
Recycle-CIP	329,700	1.4%
Developer Reimbursed-CIP	481,700	2.1%
	\$ 22,890,700	100.0%

Position Count by Department

	FY 2014	FY 2015	FY 2016
<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
General Manager	5	5	5
Total - General Manager Department	5	5	5
FTE	5	5	5
<u>ADMINISTRATIVE SERVICES:</u>			
Chief, Administrative Services	1	1	0
Assistant Chief, Administrative Services	0	0	1
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 Technician	1	0	0
Human Resources	4	3	3
<u>PURCHASING:</u>			
Purchasing and Facilities Manager	1	1	1
Senior Buyer	1	1	1
Assistant Buyer	1	1	1
Lead Warehouse/Facilities Worker	1	1	0
Warehouse/Delivery Worker	1	1	1
Facilities Maintenance Technician	2	2	2
Purchasing	7	7	6
<u>SAFETY:</u>			
Safety & Security Specialist	1	1	1
Safety	1	1	1
<u>CONSERVATION:</u>			
Sr. Water Conservation Specialist	1	0	0
Conservation	1	0	0
Total Administrative Services Department	16	14	13
FTE	16	14	13

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

CONSERVATION:

Sr. Water Conservation Specialist	0	1	1
Conservation	0	1	1

METER MAINTENANCE

Lead Cross Connection/Meter Maintenance Worker	0	1	1
Meter Maintenance Worker I & II	0	3	3
Meter Maintenance	0	4	4
Total Finance Department	29	34	32
FTE	29	34	32

INFORMATION TECHNOLOGY (IT) AND STRATEGIC PLANNING:

Chief Information Officer	1	1	1
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	0	1
Lead Business System Analyst	1	1	0
System Support Analyst	0	0	1
Business System Analyst I and II	2	2	2
Network Analyst	1	1	1
Total	12	12	13
<hr/>			
Total IT and Strategic Planning Department	12	12	13
FTE	12	12	13

OPERATIONS MANAGEMENT:

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

WATER SYSTEM OPERATIONS:

System Operations Manager	1	1	1
Water Systems Supervisor	1	1	1
Recycled Water Systems Supervisor	1	1	1
Lead Water Systems Operator	2	2	2
Water Systems Operator I, II, and III	9	9	8
Valve Maintenance Worker	1	1	0
Sr. Disinfection Technician	2	2	2
Recycled Water Distribution Operator	4	4	4
Lead Cross Connection/Meter Maintenance Worker	1	0	0
Meter Maintenance Worker I & II	4	0	0
Water System Operations	26	21	19

UTILITY MAINTENANCE/CONSTRUCTION:

Utility Services Manager	1	1	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	0	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	26	27

COLLECTION/TREATMENT/RECLAMATION OPERATIONS:

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	1	2
SCADA Instrumentation Technician	1	1	0
Laboratory Analyst	1	1	1
Collection/Treatment/Reclamation Operations	7	7	7
Total Operations Department	61	56	56
FTE	61	56	56

ENGINEERING MANAGEMENT:

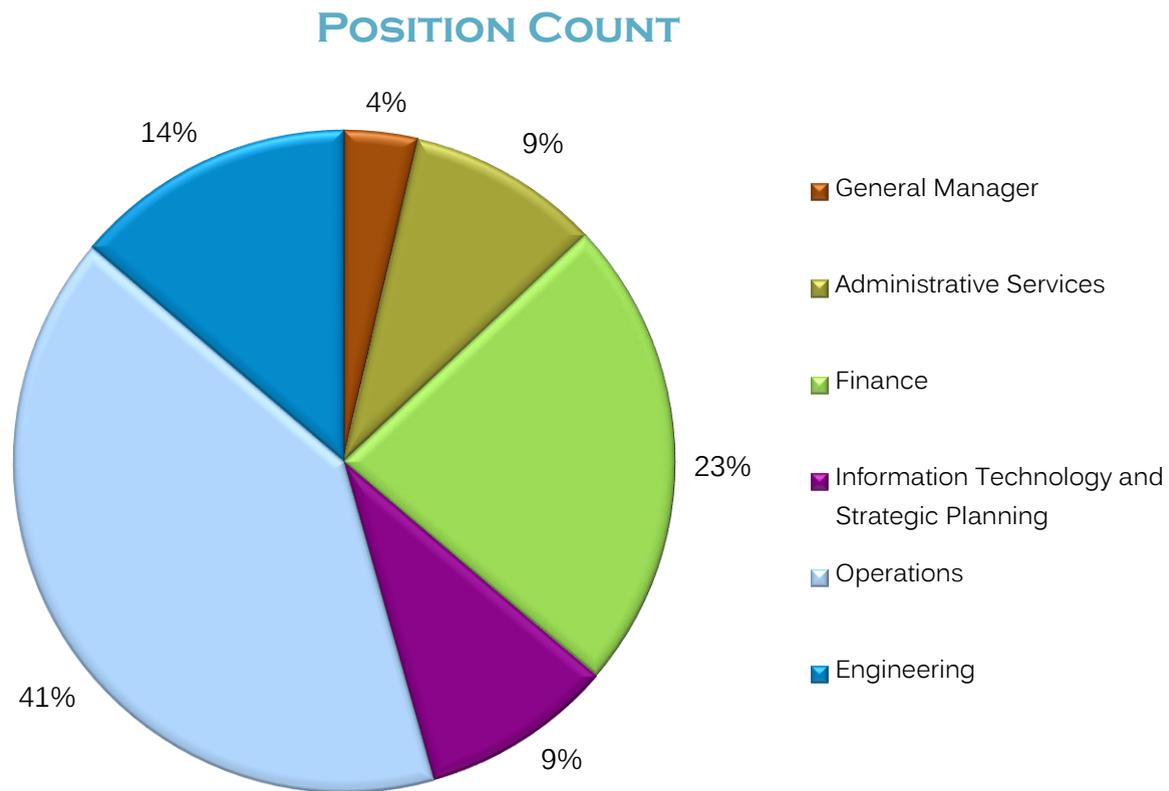
Chief, Engineering	1	1	1
Executive Secretary	1	1	1
Secretary	1	1	1
Engineering Management	3	3	3

ENGINEERING:

Engineering Manager	2	2	2
Senior Civil Engineer	2	2	2
Construction Management Specialist	1	0	0
Associate Civil Engineer	0	0	1
Assistant Civil Engineer I and II	1	1	0
Environmental Compliance Specialist	1	1	1
Permit Technicians	2	2	2
Senior Engineering Technician	2	2	2
Field Services Manager	0	0	1
Inspection Supervisor	1	1	0
Lead Construction Inspector	0	0	1
Construction Inspectors I and II	3	3	2
Supervising Land Surveyor	1	1	1
Assistant Survey Technician	1	1	1
Engineering	17	16	16
Total Engineering Department	20	19	19
FTE	20	19	19
District Total Position Count	143	140	138
FTE	143	140	138

Contract / Temporary Employees

	FY 2014	FY 2015	FY 2016
Water Conservation Technician	1	0	0
Senior Civil Engineer	0	1	0
Total Contract/Temporary Employees	1	1	0



Operating Expenditures by Department

	FY 2014	FY 2015	FY 2016	Budget to Budget
	Actual	Budget	Budget	Variance
Departmental Expenditures				
Board of Directors	\$ 100,367	\$ 115,100	\$ 107,100	\$ (8,000)
General Manager	1,353,831	1,562,300	1,605,900	43,600
General Expense	2,214,164	2,331,800	2,019,400	(312,400)
Administrative Services	2,915,571	2,995,600	3,070,500	74,900
Finance	5,463,210	5,816,700	6,128,400	311,700
IT and Strategic Planning	3,021,303	3,373,800	3,610,600	236,800
Water Operations	10,314,869	11,384,100	11,663,400	279,300
Engineering	\$ 1,827,709	\$ 2,358,500	\$ 2,381,600	23,100
Total Departmental Expenditures	\$ 27,211,024	\$ 29,937,900	\$ 30,586,900	\$ 649,000
Less: Overhead Allocation	(1,091,721)	(1,151,300)	(1,205,300)	(54,000)
Net Departmental Expenditures	\$ 26,119,303	\$ 28,786,600	\$ 29,381,600	\$ 595,000
Non-Departmental Expenditures				
Water Purchases	\$ 48,209,099	\$ 47,059,200	\$ 45,984,500	\$ (1,074,700)
Power	2,808,846	2,838,400	3,112,800	274,400
Expansion Reserve	-	2,538,900	2,691,000	152,100
Betterment Reserve	125,000	3,530,000	2,400,000	(1,130,000)
Replacement Reserve	4,230,000	3,270,200	3,278,400	8,200
Transfer to Sewer General Fund	152,800	553,800	-	(553,800)
Transfer to General Fund Reserve	1,913,000	1,583,800	-	(1,583,800)
Transfer to Sewer Replacement	-	127,000	1,199,300	1,072,300
Transfer to OPEB	1,242,900	647,100	1,006,000	358,900
Transfer to New Supply Reserve	-	705,000	35,000	(670,000)
Total Non-Departmental Expenditures	\$ 58,681,645	\$ 62,853,400	\$ 59,707,000	\$ (3,146,400)
Total Operating Expenditures	\$ 84,800,948	\$ 91,640,000	\$ 89,088,600	\$ (2,551,400)

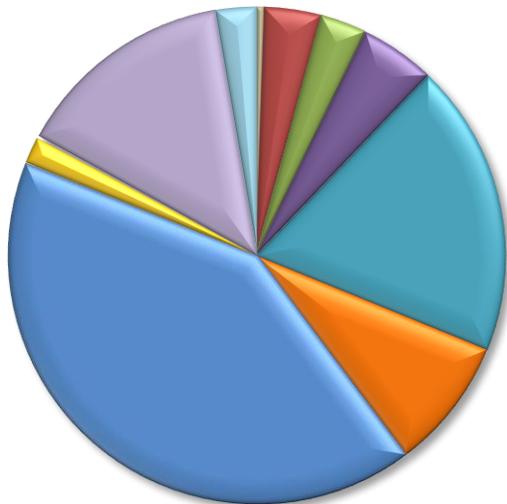
Operating Expenditures by Object

	FY 2014	FY 2015	FY 2016	Budget to Budget
	Actual	Budget	Budget	Variance
Departmental Expenditures				
Labor and Benefits	\$ 19,565,455	\$ 20,474,600	\$ 21,142,100	\$ 667,500
Director's Fees	19,834	30,000	30,000	-
Travel and Meetings	147,110	207,700	214,400	6,700
Conservation and Outreach	136,743	174,900	176,900	2,000
General Office Expense	258,732	280,800	284,700	3,900
Equipment	943,153	1,139,600	1,112,300	(27,300)
Fees	1,361,304	1,565,700	1,335,000	(230,700)
Services	1,387,477	2,152,300	2,409,800	257,500
Training	65,818	123,500	99,000	(24,500)
Materials & Maintenance	2,035,352	2,324,900	2,616,400	291,500
Power and Utilities	12,929	14,000	14,900	900
Sewer Charges	1,122,524	1,294,900	996,400	(298,500)
Bad Debt Expense	154,593	155,000	155,000	-
Total Departmental Expenditures	\$ 27,211,024	\$ 29,937,900	\$ 30,586,900	\$ 649,000
Less: Overhead Allocation	(1,091,721)	(1,151,300)	(1,205,300)	(54,000)
Net Departmental Expenditures	\$ 26,119,303	\$ 28,786,600	\$ 29,381,600	\$ 595,000
Non-Departmental Expenditures				
Water Purchases	\$ 48,209,099	\$ 47,059,200	\$ 45,984,500	\$ (1,074,700)
Power	2,808,846	2,838,400	3,112,800	274,400
Expansion Reserve	-	2,538,900	2,691,000	152,100
Betterment Reserve	125,000	3,530,000	2,400,000	(1,130,000)
Replacement Reserve	4,230,000	3,270,200	3,278,400	8,200
Transfer to Sewer General Fund	152,800	553,800	-	(553,800)
Transfer to General Fund Reserve	1,913,000	1,583,800	-	(1,583,800)
Transfer to Sewer Replacement	-	127,000	1,199,300	1,072,300
Transfer to OPEB	1,242,900	647,100	1,006,000	358,900
Transfer to New Supply Fund	-	705,000	35,000	(670,000)
Total Non-Departmental Expenditures	\$ 58,681,645	\$ 62,853,400	\$ 59,707,000	\$ (3,146,400)
Total Operating Expenditures	\$ 84,800,948	\$ 91,640,000	\$ 89,088,600	\$ (2,551,400)

Administrative Expenditures - Total

	FY 2014	FY 2015	FY 2016	Budget to Budget Variance	
	Actual	Budget	Budget	\$	%
Administrative Expenditures					
Directors' Fees	\$ 19,834	\$ 30,000	\$ 30,000	\$ -	-
Travel and Meetings	147,110	207,700	214,400	6,700	3.2%
Conservation and Outreach	136,743	174,900	176,900	2,000	1.1%
General Office Expense	258,732	280,800	284,700	3,900	1.4%
Equipment	943,153	1,139,600	1,112,300	(27,300)	(2.4%)
Fees	517,205	524,700	499,000	(25,700)	(4.9%)
Services	1,387,477	2,152,300	2,409,800	257,500	12.0%
Training	65,818	123,500	99,000	(24,500)	(19.8%)
Utilities	12,929	14,000	14,900	900	6.4%
Bad Debt Expense	154,593	155,000	155,000	-	0.0%
Total	3,643,594	4,802,500	4,996,000	193,500	3.0%
Less: Overhead Allocation	(402,299)	(424,300)	(444,200)	(19,900)	-
Subtotal	3,241,295	4,378,200	4,551,800	173,600	4.0%
General Expenses	844,099	1,041,000	836,000	(205,000)	(19.7%)
Total Expenditures	\$ 4,085,394	\$ 5,419,200	\$ 5,387,800	\$ (31,400)	(0.6%)

FY 2016 TOTAL ADMINISTRATIVE EXPENDITURES, IN THOUSANDS (\$)

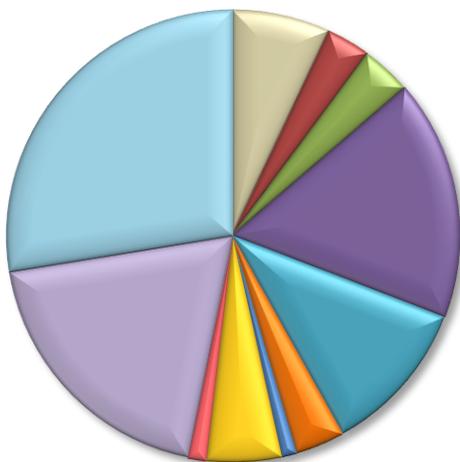


Directors' Fees	\$ 30,000	0.5%
Travel and Meetings	214,400	3.7%
Conservation & Outreach	176,900	3.0%
General Office Expense	284,700	4.9%
Equipment	1,112,300	19.1%
Fees	499,000	8.6%
Services	2,409,800	41.3%
Training	99,000	1.7%
Utilities	14,900	0.3%
General Expense	836,000	14.3%
Bad Debt Expense	155,000	2.6%
	5,832,000	100.0%
Less: Overhead Allocation	(444,200)	
Total Administrative Expenses	\$ 5,387,800	

Materials and Maintenance Expenditures - Total

	FY 2014	FY 2015	FY 2016	Budget to Budget Variance	
	Actual	Budget	Budget	\$	%
Materials and Maintenance					
Fuel and Oil	\$ 199,197	\$ 304,300	\$ 250,600	\$ (53,700)	(17.6%)
Meters and Materials	66,138	113,800	113,800	-	0.0%
Fleet Parts and Equipment	112,277	129,900	128,900	(1,000)	(0.8%)
Infrastructure Equipment & Supplies	496,164	525,000	621,300	96,300	18.3%
Chemicals	372,594	397,100	400,600	3,500	0.9%
Safety Equipment	31,965	44,200	127,300	83,100	188.0%
Laboratory Equipment and Supplies	43,938	44,000	40,000	(4,000)	(9.1%)
Other Materials and Supplies	133,481	131,800	190,500	58,700	44.5%
Building and Grounds Materials	55,608	46,500	47,900	1,400	3.0%
Contracted Services	523,990	588,300	695,500	107,200	18.2%
Materials and Maintenance	\$ 2,035,352	\$ 2,324,900	\$ 2,616,400	\$ 291,500	12.5%
Sewer Charges					
Metro O&M Costs	\$ 1,021,724	\$ 1,020,300	815,000	\$ (205,300)	(20.1%)
Spring Valley Sewer Charge	100,800	274,600	181,400	(93,200)	(33.9%)
Total Sewer Charges	\$ 1,122,524	\$ 1,294,900	\$ 996,400	\$ (298,500)	(23.1%)
Total Expenditures	\$ 3,157,876	\$ 3,619,800	\$ 3,612,800	\$ (7,000)	(0.2%)

FY 2016 MATERIALS AND MAINTENANCE EXPENDITURES



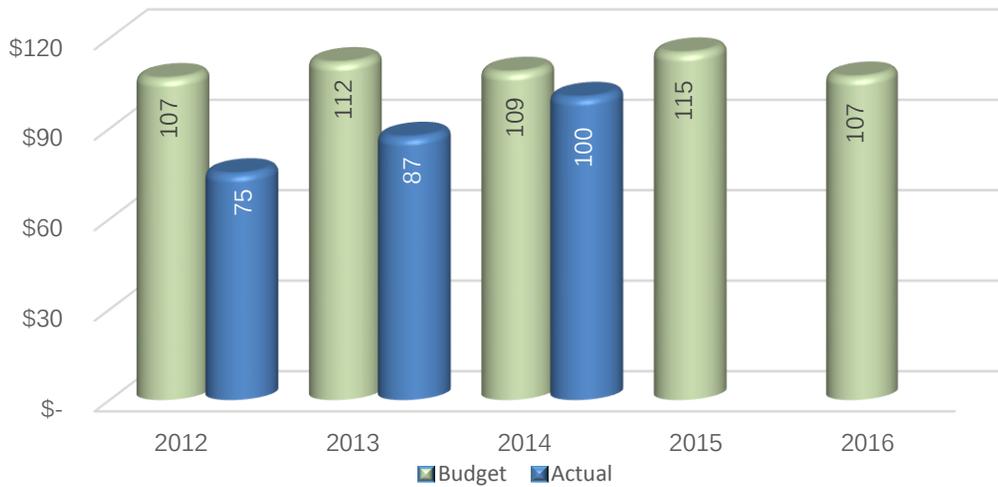
Fuel and Oil	\$ 250,600	6.9%
Meters and Materials	113,800	3.1%
Fleet Parts and Equipment	128,900	3.6%
Infrastructure Equipment and Supplies	621,300	17.2%
Chemicals	400,600	11.1%
Safety Equipment	127,300	3.5%
Laboratory Equipment and Supplies	40,000	1.1%
Other Materials and Supplies	190,500	5.3%
Building and Grounds Materials	47,900	1.3%
Contracted Services	695,500	19.3%
Sewer Charges	996,400	27.6%
Total	\$ 3,612,800	100.0%

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Board of Directors

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Benefits	\$ 71,935	\$ 68,500	\$ 61,600
Director's Fees	19,834	30,000	30,000
Travel and Meetings	7,798	16,600	15,500
Training	800	-	-
Total	\$ 100,367	\$ 115,100	\$ 107,100

BUDGET VS. ACTUAL, IN THOUSANDS (\$)



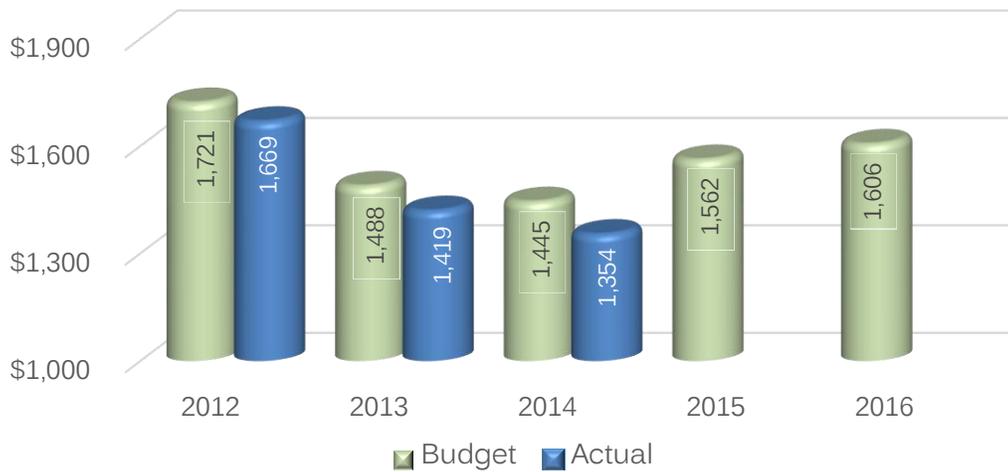
OTAY WATER DISTRICT
 DIVISION 1111 - BOARD OF DIRECTORS
 FISCAL YEAR 2016 BUDGET

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Total Labor and Benefits	\$ 71,935	\$ 68,500	\$ 61,600
Administrative Expenses			
Mileage	1,727	3,000	2,500
Travel Expenses	3,372	7,800	7,800
Conferences and Seminars	2,140	4,000	4,000
Business Meetings	559	1,800	1,200
Membership and Dues	-	-	-
General Training	800	-	-
Director's Fees	19,834	30,000	30,000
Total Administrative Expenses	\$ 28,432	\$ 46,600	\$ 45,500
Total Expenses	<u>\$ 100,367</u>	<u>\$ 115,100</u>	<u>\$ 107,100</u>

General Manager

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Labor and Benefits	\$ 1,112,599	\$ 1,128,400	\$ 1,199,600
Travel and Meetings	42,804	54,600	54,600
Conservation and Outreach	3,421	7,000	6,000
General Office Expense	3,164	5,300	1,700
Equipment	2,700	4,000	3,000
Fees	47,303	64,000	48,000
Services	141,689	199,000	193,000
Materials & Maintenance	-	100,000	100,000
Miscellaneous	151	-	-
Total	\$ 1,353,831	\$ 1,562,300	\$ 1,605,900

BUDGET VS. ACTUAL, IN THOUSANDS (\$)



OTAY WATER DISTRICT
 DIVISION 1211 - GENERAL MANAGER
 FISCAL YEAR 2016 BUDGET

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Total Labor and Benefits	\$ 797,970	\$ 810,200	\$ 860,600
Administrative Expenses			
Mileage	2,752	3,000	3,000
Travel Expenses	2,628	5,000	5,000
Conferences and Seminars	2,277	5,000	5,000
Business Meetings	9,738	10,000	10,000
Membership and Dues	25,350	28,000	28,000
Public Recognition Awards	3,421	7,000	6,000
Books, Periodicals and Subscriptions	1,113	800	1,200
Office Supplies	139	-	-
Postage	1,912	4,500	500
Maintenance and Parts	2,700	4,000	3,000
Regulatory Agencies Fees	47,303	64,000	48,000
Outside Services	101,047	199,000	193,000
Temporary Employment Services	40,642	-	-
Bad Debt	151	-	-
Total Administrative Expenses	<u>\$ 241,173</u>	<u>\$ 330,300</u>	<u>\$ 302,700</u>
Materials and Maintenance Expenses			
Contracted Services	-	100,000	100,000
Total Materials and Maintenance Expenses	<u>\$ -</u>	<u>\$ 100,000</u>	<u>\$ 100,000</u>
Total Expenses	<u>\$ 1,039,143</u>	<u>\$ 1,240,500</u>	<u>\$ 1,263,300</u>

OTAY WATER DISTRICT
 DIVISION 1211 - ASSISTANT GENERAL MANAGER
 FISCAL YEAR 2016 BUDGET

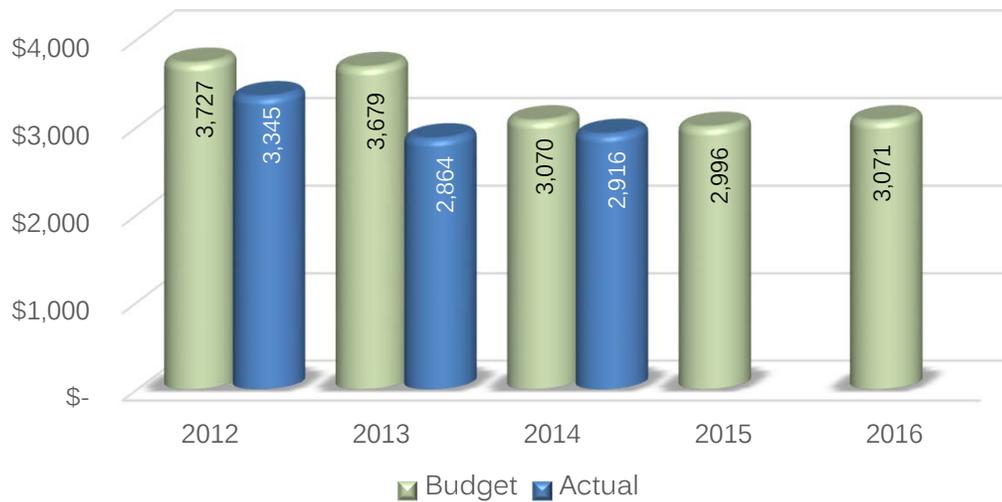
	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Total Labor and Benefits	\$ 314,629	\$ 318,200	\$ 339,000
Administrative Expenses			
Travel Expenses	-	1,500	1,500
Conferences and Seminars	-	2,000	2,000
Business Meetings	59	100	100
Total Administrative Expenses	\$ 59	\$ 3,600	\$ 3,600
Total Expenses	<u>\$ 314,688</u>	<u>\$ 321,800</u>	<u>\$ 342,600</u>

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Administrative Services

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Labor and Benefits	\$ 2,027,956	\$ 2,044,500	\$ 2,065,700
Travel and Meetings	5,052	16,700	17,300
General Office Expense	106,291	108,000	106,000
Equipment	64,074	75,500	81,000
Services	294,272	316,000	282,600
Training	41,446	92,600	70,000
Materials & Maintenance	363,551	328,300	433,000
Power and Utilities	12,929	14,000	14,900
TOTAL	\$ 2,915,571	\$ 2,995,600	\$ 3,070,500

BUDGET VS. ACTUAL, IN THOUSANDS (\$)



OTAY WATER DISTRICT
 DIVISION 2211 - ADMINISTRATIVE AND IT CHIEF
 FISCAL YEAR 2016 BUDGET

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Total Labor and Benefits	\$ 481,371	\$ 458,800	\$ 505,000
Administrative Expenses			
Mileage	-	100	300
Travel Expenses	-	1,000	1,000
Conferences and Seminars	-	3,500	4,000
Business Meetings	-	200	600
Membership and Dues	-	-	800
General Training	-	200	-
Total Administrative Expenses	\$ -	\$ 5,000	\$ 6,700
Total Expenses	<u>\$ 481,371</u>	<u>\$ 463,800</u>	<u>\$ 511,700</u>

OTAY WATER DISTRICT
 DIVISION 2221 - HUMAN RESOURCES
 FISCAL YEAR 2016 BUDGET

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Total Labor and Benefits	\$ 587,031	\$ 562,900	\$ 599,400
Administrative Expenses			
Mileage	53	200	200
Travel Expenses	192	2,000	2,000
Conferences and Seminars	163	1,500	1,500
Business Meetings	1,660	2,000	2,000
Membership and Dues	864	1,100	1,100
Books, Periodicals and Subscriptions	625	1,100	1,300
Technology Hardware and Software	31	-	-
Outside Services	46,837	36,500	11,500
Temporary Employment Services	26,871	30,000	50,000
Recruitment Expense	20,023	14,000	14,000
Tuition Reimbursement	10,819	20,000	15,000
General Training	5,150	6,000	6,000
Employee Programs	20,203	26,000	26,000
Total Administrative Expenses	<u>\$ 133,491</u>	<u>\$ 140,400</u>	<u>\$ 130,600</u>
Total Expenses	<u>\$ 720,522</u>	<u>\$ 703,300</u>	<u>\$ 730,000</u>

OTAY WATER DISTRICT
 DIVISION 2231 - PURCHASING
 FISCAL YEAR 2016 BUDGET

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Total Labor and Benefits	\$ 831,503	\$ 876,000	\$ 798,300
Administrative Expenses			
Mileage	22	-	-
Travel Expenses	-	1,000	1,000
Conferences and Seminars	150	300	300
Business Meetings	20	300	400
Membership and Dues	309	300	500
Books, Periodicals and Subscriptions	69	-	-
Office Supplies	28,068	25,800	25,800
Postage	49,971	42,000	45,000
Printing Expenses	27,234	38,100	33,400
Maintenance and Parts	44,493	48,200	38,700
Rent and Leases	829	1,200	1,200
Office Furniture	1,279	6,500	6,500
Small Tools and Equipment	17,442	19,600	34,600
Outside Services	55,232	47,500	55,600
Uniforms	51,313	48,000	48,000
General Training	-	-	5,000
Sewer	4,303	4,500	4,500
Trash Services	8,626	9,500	10,400
Total Administrative Expenses	\$ 289,360	\$ 292,800	\$ 310,900
Materials and Maintenance Expenses			
Other Materials and Maintenance	75	-	-
Building Ground and Materials	55,608	45,500	46,900
Contracted Services	275,980	241,500	259,800
Total Materials and Maintenance Expenses	\$ 331,663	\$ 287,000	\$ 306,700
Total Expenses	<u>\$ 1,452,526</u>	<u>\$ 1,455,800</u>	<u>\$ 1,415,900</u>

OTAY WATER DISTRICT
 DIVISION 2241 - SAFETY & SECURITY
 FISCAL YEAR 2016 BUDGET

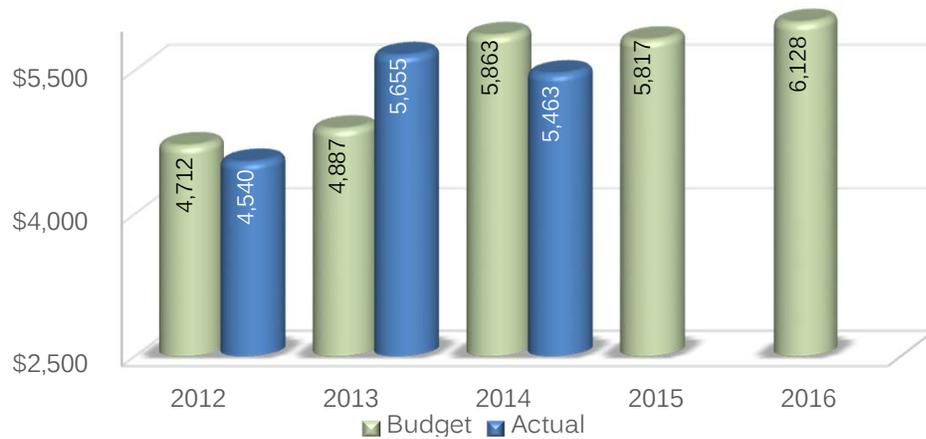
	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Total Labor and Benefits	\$ 128,051	\$ 146,800	\$ 163,000
Administrative Expenses			
Travel Expenses	-	500	300
Conferences & Seminars	160	500	300
Business Meetings	624	1,200	500
Membership and Dues	835	1,000	500
Books, Periodicals and Subscriptions	304	1,000	500
Postage	20	-	-
Outside Services	39,752	86,500	35,000
Security Services	40,204	39,000	44,000
Health Exams	14,040	14,500	24,500
Required Training	5,274	40,400	18,000
Total Administrative Expenses	<u>\$ 101,213</u>	<u>\$ 184,600</u>	<u>\$ 123,600</u>
Materials and Maintenance Expenses			
Safety Equipment	31,888	41,300	126,300
Total Materials and Maintenance Expenses	<u>\$ 31,888</u>	<u>\$ 41,300</u>	<u>\$ 126,300</u>
Total Expenses	<u>\$ 261,152</u>	<u>\$ 372,700</u>	<u>\$ 412,900</u>

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Finance

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Labor and Benefits	\$ 4,374,755	\$ 4,567,800	\$ 4,687,100
Travel and Meetings	14,990	25,100	26,100
Conservation and Outreach	133,322	167,900	170,900
General Office Expense	147,820	164,700	167,800
Equipment	-	200	-
Fees	368,200	362,200	351,600
Services	171,379	237,900	432,500
Training	-	-	500
Materials & Maintenance	98,151	135,900	136,900
Bad Debt Expense	154,593	155,000	155,000
Total	\$ 5,463,210	\$ 5,816,700	\$ 6,128,400

BUDGET VS. ACTUAL, IN THOUSANDS (\$)



OTAY WATER DISTRICT
 DIVISION 2311 - FINANCE CHIEF
 FISCAL YEAR 2016 BUDGET

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Total Labor and Benefits	\$ 483,576	\$ 496,500	\$ 526,600
Administrative Expenses			
Mileage	45	200	200
Travel Expenses	-	100	100
Conferences and Seminars	1,295	2,000	1,500
Business Meetings	102	100	100
Membership and Dues	1,895	2,000	1,900
Books, Periodicals and Subscriptions	473	500	500
Postage	-	100	100
Outside Services	15,911	15,600	13,600
Total Administrative Expenses	<u>\$ 19,721</u>	<u>\$ 20,600</u>	<u>\$ 18,000</u>
Total Expenses	<u>\$ 503,297</u>	<u>\$ 517,100</u>	<u>\$ 544,600</u>

OTAY WATER DISTRICT
 DIVISION 2321 - CONTROLLER & BUDGETARY SERVICES
 FISCAL YEAR 2016 BUDGET

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Total Labor and Benefits	\$ 780,819	\$ 808,800	\$ 863,000
Administrative Expenses			
Mileage	51	300	300
Travel Expenses	-	1,600	1,500
Conferences and Seminars	1,055	2,600	3,500
Business Meetings	-	200	200
Membership and Dues	863	700	1,200
Office Supplies	1,247	1,100	1,100
Outside Services	36,563	12,300	12,500
Total Administrative Expenses	\$ 39,779	\$ 18,800	\$ 20,300
 Total Expenses	 \$ 820,598	 \$ 827,600	 \$ 883,300

OTAY WATER DISTRICT
 DIVISION 2331 - TREASURY & ACCOUNTING SERVICES
 FISCAL YEAR 2016 BUDGET

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Total Labor and Benefits	\$ 875,002	\$ 926,300	\$ 970,800
Administrative Expenses			
Mileage	4	100	100
Travel Expenses	143	500	500
Conferences and Seminars	673	1,000	1,000
Membership and Dues	495	600	200
Books, Periodicals and Subscriptions	-	100	200
Printing Expenses	216	600	300
Accounting Fees	30,500	26,000	29,400
Bank Fees	337,700	336,200	322,200
Outside Services	39,260	2,500	40,000
Total Administrative Expenses	<u>\$ 408,991</u>	<u>\$ 367,600</u>	<u>\$ 393,900</u>
Total Expenses	<u>\$ 1,283,993</u>	<u>\$ 1,293,900</u>	<u>\$ 1,364,700</u>

OTAY WATER DISTRICT
 DIVISION 2341 - CUSTOMER SERVICE
 FISCAL YEAR 2016 BUDGET

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Total Labor and Benefits	\$ 1,674,893	\$ 1,745,900	\$ 1,705,800
Administrative Expenses			
Mileage	20	100	200
Travel Expenses	2,300	3,100	3,100
Conferences and Seminars	2,915	1,300	1,500
Business Meetings	47	200	100
Books, Periodicals and Subscriptions	-	700	100
Postage	145,884	161,200	165,300
Small Tools and Equipment	-	200	-
Outside Services	68,033	81,200	84,000
General Training	-	-	500
Bad Debt	154,593	155,000	155,000
Total Administrative Expenses	\$ 373,792	\$ 403,000	\$ 409,800
Total Expenses	<u>\$ 2,048,685</u>	<u>\$ 2,148,900</u>	<u>\$ 2,115,600</u>

OTAY WATER DISTRICT
 DIVISION 2342 - METER SHOP
 FISCAL YEAR 2016 BUDGET

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Total Labor and Benefits	\$ 443,938	\$ 467,700	\$ 486,300
Administrative Expenses			
Mileage	-	200	200
Travel Expenses	-	1,500	1,500
Conferences and Seminars	-	1,000	1,000
Membership and Dues	-	-	200
Total Administrative Expenses	\$ -	\$ 2,700	\$ 2,900
Materials & Maintenance Expenses			
Meters and Materials	64,122	108,300	108,300
Infrastructure Equipment and Supplies	8,151	5,000	5,000
Other Materials and Maintenance	22,578	7,600	18,600
Contracted Services	3,300	15,000	5,000
Total Materials and Maintenance Expenses	\$ 98,151	\$ 135,900	\$ 136,900
Total Expenses	<u>\$ 542,089</u>	<u>\$ 606,300</u>	<u>\$ 626,100</u>

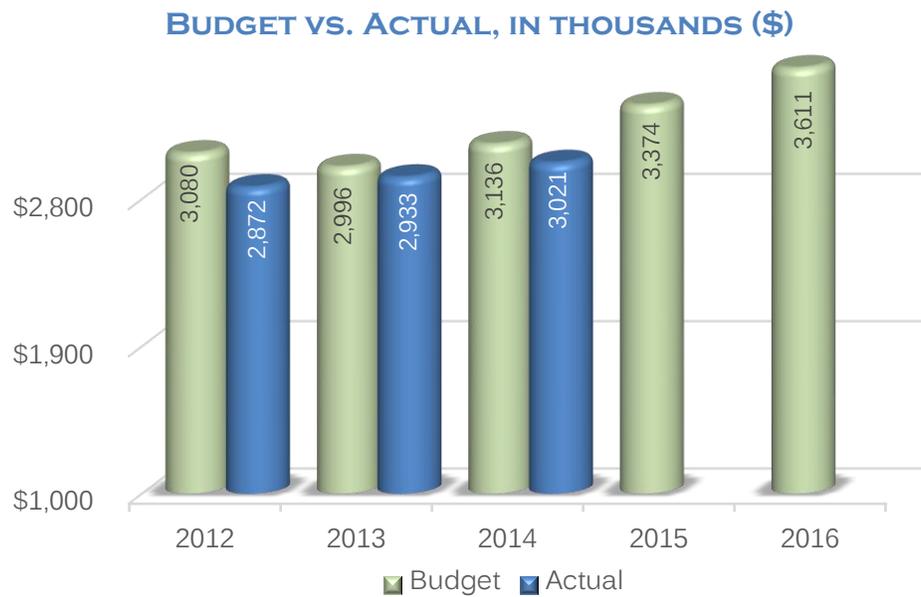
OTAY WATER DISTRICT
 DIVISION 2343 - WATER CONSERVATION
 FISCAL YEAR 2016 BUDGET

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Total Labor and Benefits	\$ 116,527	\$ 122,600	\$ 134,600
Administrative Expenses			
Mileage	-	200	200
Travel Expenses	-	1,200	1,200
Conferences and Seminars	30	800	800
Business Meetings	-	200	200
Membership and Dues	3,057	3,300	3,600
Incentives	9,074	37,500	32,200
Public Recognition Awards	4,561	12,900	15,000
Conservation Garden	119,687	117,500	123,700
Books, Periodicals and Subscriptions	-	200	200
Office Supplies	-	200	-
Outside Services	11,612	126,300	282,400
Total Administrative Expenses	\$ 148,021	\$ 300,300	\$ 459,500
Total Expenses	<u>\$ 264,548</u>	<u>\$ 422,900</u>	<u>\$ 594,100</u>

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IT and Strategic Planning

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Labor and Benefits	\$ 2,056,743	\$ 2,042,200	\$ 2,326,900
Travel and Meetings	20,276	26,700	32,700
General Office Expense	426	1,500	1,400
Equipment	844,062	1,017,700	983,600
Services	88,456	278,700	259,000
Training	11,340	7,000	7,000
Total	\$ 3,021,303	\$ 3,373,800	\$ 3,610,600



OTAY WATER DISTRICT
 DIVISION 2411 - IT CHIEF/APPLICATIONS
 FISCAL YEAR 2016 BUDGET

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Total Labor and Benefits	\$ 893,584	\$ 951,100	\$ 300,700
Administrative Expenses			
Mileage	30	300	300
Travel Expenses	1,935	1,000	1,000
Conferences and Seminars	3,603	4,000	2,000
Business Meetings	768	600	600
Total Administrative Expenses	\$ 6,336	\$ 5,900	\$ 3,900
Total Expenses	<u>\$ 899,920</u>	<u>\$ 957,000</u>	<u>\$ 304,600</u>

OTAY WATER DISTRICT
 DIVISION 2421 - IT OPERATIONS
 FISCAL YEAR 2016 BUDGET

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Total Labor and Benefits	\$ 549,686	\$ 456,100	\$ 1,342,000
Administrative Expenses			
Mileage	212	200	200
Travel Expenses	1,379	600	600
Conferences and Seminars	4,201	14,000	17,500
Business Meetings	86	300	300
Membership and Dues	400	600	300
Books, Periodicals and Subscriptions	39	500	600
Office Supplies	387	600	-
Communication	280,826	360,300	320,200
Technology Hardware and Software	457,705	390,200	479,200
Maintenance and Parts	3,852	-	-
Outside Services	85,760	239,000	215,500
Required Training	180	-	-
Total Administrative Expenses	<u>\$ 835,027</u>	<u>\$ 1,006,300</u>	<u>\$ 1,034,400</u>
Total Expenses	<u>\$ 1,384,713</u>	<u>\$ 1,462,400</u>	<u>\$ 2,376,400</u>

OTAY WATER DISTRICT
 DIVISION 2431 - GEOGRAPHIC INFORMATION SYSTEM
 FISCAL YEAR 2016 BUDGET

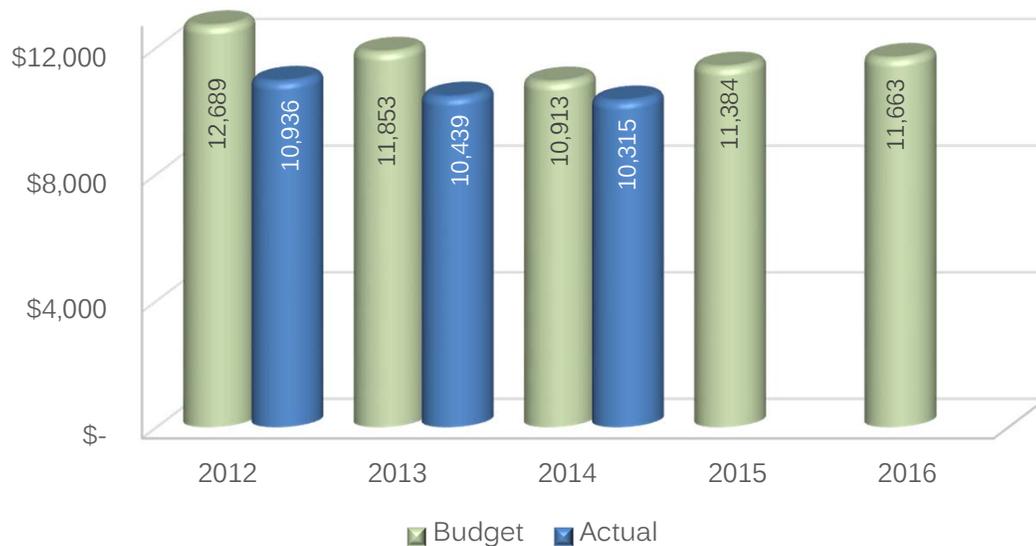
	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Total Labor and Benefits	\$ 613,473	\$ 635,000	\$ 684,200
Administrative Expenses			
Mileage	368	300	300
Travel Expenses	3,673	900	1,000
Conferences and Seminars	3,577	3,300	8,000
Business Meetings	44	300	300
Membership and Dues	-	300	300
Books, Periodicals and Subscriptions	-	400	800
Technology Hardware and Software	101,679	267,200	184,200
Outside Services	2,696	39,700	43,500
General Training	11,160	7,000	7,000
Total Administrative Expenses	<u>\$ 123,197</u>	<u>\$ 319,400</u>	<u>\$ 245,400</u>
Total Expenses	<u>\$ 736,670</u>	<u>\$ 954,400</u>	<u>\$ 929,600</u>

Water Operations

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Labor and Benefits ⁽¹⁾	\$ 7,160,946	\$ 7,744,600	\$ 8,008,200
Travel and Meetings	38,385	49,300	48,800
General Office Expense	74	300	300
Equipment	32,317	42,200	44,700
Fees	75,652	65,500	69,400
Services	301,853	415,600	540,100
Training	9,096	11,000	9,000
Materials & Maintenance	1,574,022	1,760,700	1,946,500
Sewer Charges	1,122,524	1,294,900	996,400
Total	\$ 10,314,869	\$ 11,384,100	\$ 11,663,400

⁽¹⁾ Excludes CIP labor and benefits.

BUDGET VS. ACTUAL, IN THOUSANDS (\$)



OTAY WATER DISTRICT
 DIVISION 3211 - WATER OPERATIONS CHIEF
 FISCAL YEAR 2016 BUDGET

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Total Labor and Benefits	\$ 403,777	\$ 415,800	\$ 422,700
Administrative Expenses			
Mileage	385	200	300
Travel Expenses	2,913	3,500	4,500
Conferences and Seminars	3,671	6,500	5,000
Business Meetings	71	100	-
Membership and Dues	3,625	5,000	5,000
Books, Periodicals and Subscriptions	74	300	300
Outside Services	2,847	3,500	3,500
General Training	5,015	7,000	5,000
Required Certification	4,081	4,000	4,000
Total Administrative Expenses	\$ 22,682	\$ 30,100	\$ 27,600
Total Expenses	<u>\$ 426,459</u>	<u>\$ 445,900</u>	<u>\$ 450,300</u>

OTAY WATER DISTRICT
 DIVISION 3221 - WATER SYSTEM OPERATIONS
 FISCAL YEAR 2016 BUDGET

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Total Labor and Benefits	\$ 218,336	\$ 262,200	\$ 219,600
Administrative Expenses			
Rent and Leases	22,987	24,500	25,200
Regulatory Agencies Fees	58,473	50,000	54,200
Total Administrative Expenses	\$ 81,460	\$ 74,500	\$ 79,400
Total Expenses	\$ 299,796	\$ 336,700	\$ 299,000

OTAY WATER DISTRICT
 DIVISION 3225 - WATER SYSTEM
 FISCAL YEAR 2016 BUDGET

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Total Labor and Benefits	\$ 1,848,190	\$ 1,929,000	\$ 1,804,300
Administrative Expenses			
Outside Services	127,201	143,100	271,000
Total Administrative Expenses	\$ 127,201	\$ 143,100	\$ 271,000
Materials and Maintenance Expenses			
Infrastructure Equipment & Supplies	65,005	96,500	102,000
Chemicals	341,603	358,000	361,500
Other Materials and Maintenance	52	500	500
Contracted Services	-	1,000	1,000
Total Materials and Maintenance Expense:	\$ 406,660	\$ 456,000	\$ 465,000
Total Expenses	<u>\$ 2,382,051</u>	<u>\$ 2,528,100</u>	<u>\$ 2,540,300</u>

OTAY WATER DISTRICT
 DIVISION 3226 - RECYCLED SYSTEM
 FISCAL YEAR 2016 BUDGET

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Total Labor and Benefits	\$ 672,026	\$ 713,900	\$ 743,300
Administrative Expenses			
Regulatory Agencies Fees	10,934	8,000	8,000
Outside Services	13,364	11,000	26,200
Total Administrative Expenses	\$ 24,298	\$ 19,000	\$ 34,200
Materials and Maintenance Expenses			
Meters and Materials	349	-	-
Infrastructure Equipment and Supplies	225	500	500
Other Materials and Maintenance	72	200	200
Total Materials and Maintenance Expenses	\$ 646	\$ 700	\$ 700
Total Expenses	\$ 696,970	\$ 733,600	\$ 778,200

OTAY WATER DISTRICT
 DIVISION 3227 - SCADA
 FISCAL YEAR 2016 BUDGET

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Total Labor and Benefits	\$ 176,490	\$ 284,400	\$ 307,000
Administrative Expenses			
Rent and Leases	837	1,000	1,000
Outside Services	27,390	31,700	23,300
Temporary Employment Services	-	62,400	62,400
Total Administrative Expenses	\$ 28,227	\$ 95,100	\$ 86,700
Materials and Maintenance Expenses			
Infrastructure Equipment and Supplies	42,813	44,400	25,000
Other Materials and Maintenance	60	200	200
Total Materials and Maintenance Expenses	\$ 42,873	\$ 44,600	\$ 25,200
Total Expenses	<u>\$ 247,590</u>	<u>\$ 424,100</u>	<u>\$ 418,900</u>

OTAY WATER DISTRICT
 DIVISION 3231 - UTILITY SERVICES
 FISCAL YEAR 2016 BUDGET

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Total Labor and Benefits	\$ 197,376	\$ 198,800	\$ 243,100
Total Expenses	<u>\$ 197,376</u>	<u>\$ 198,800</u>	<u>\$ 243,100</u>

OTAY WATER DISTRICT
 DIVISION 3232 - UTILITY MAINTENANCE
 FISCAL YEAR 2016 BUDGET

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Total Labor and Benefits	\$ 1,756,491	\$ 1,957,800	\$ 2,268,200
Administrative Expenses			
Rent and Leases	3,461	1,800	1,800
Total Administrative Expenses	<u>\$ 3,461</u>	<u>\$ 1,800</u>	<u>\$ 1,800</u>
Materials and Maintenance Expenses			
Meters and Materials	1,667	5,500	5,500
Fleet Parts and Equipment	214	-	-
Infrastructure Equipment and Supplies	167,566	170,000	245,000
Other Materials and Maintenance	110,438	123,000	171,000
Contracted Services	201,467	200,000	284,000
Total Materials and Maintenance Expenses	<u>\$ 481,352</u>	<u>\$ 498,500</u>	<u>\$ 705,500</u>
Total Expenses	<u><u>\$ 2,241,304</u></u>	<u><u>\$ 2,458,100</u></u>	<u><u>\$ 2,975,500</u></u>

OTAY WATER DISTRICT
 DIVISION 3233 - FLEET MAINTENANCE
 FISCAL YEAR 2016 BUDGET

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Total Labor and Benefits	\$ 478,797	\$ 532,000	\$ 572,600
Administrative Expenses			
Mileage	27,720	34,000	34,000
Communication	1,423	1,000	3,800
Technology Hardware and Software	2,924	2,900	2,400
Hazardous Waste Disposal	6,245	7,500	7,200
Outside Services	33,338	28,600	20,900
Total Administrative Expenses	\$ 71,650	\$ 74,000	\$ 68,300
Materials and Maintenance Expenses			
Fuel and Oil	187,861	289,300	235,600
Fleet Parts and Equipment	112,063	129,900	128,900
Infrastructure Equipment and Supplies	36,499	17,000	25,500
Other Materials and Maintenance	40	-	-
Total Materials and Maintenance Expenses	\$ 336,463	\$ 436,200	\$ 390,000
Total Expenses	<u>\$ 886,910</u>	<u>\$ 1,042,200</u>	<u>\$ 1,030,900</u>

OTAY WATER DISTRICT
 DIVISION 3236 - PUMP & ELECTRICAL
 FISCAL YEAR 2016 BUDGET

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Total Labor and Benefits	\$ 678,246	\$ 689,600	\$ 627,900
Administrative Expenses			
Rent and Leases	685	6,500	6,500
Outside Services	31,539	77,000	77,000
Total Administrative Expenses	\$ 32,224	\$ 83,500	\$ 83,500
Materials and Maintenance Expenses			
Infrastructure Equipment and Supplies	127,820	135,500	135,500
Other Materials and Maintenance	-	300	-
Building Ground and Materials	-	1,000	1,000
Total Materials and Maintenance Expenses	\$ 127,820	\$ 136,800	\$ 136,500
Total Expenses	\$ 838,290	\$ 909,900	\$ 847,900

OTAY WATER DISTRICT
 DIVISION 3241 - COLLECTION/TREATMENT/RECYCLE OPERATIONS
 FISCAL YEAR 2016 BUDGET

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Sewer Charges			
Metro O&M Costs	\$ 1,021,724	\$ 1,020,300	\$ 815,000
Spring Valley O&M Costs	100,800	274,600	181,400
Total Expenses	<u>\$ 1,122,524</u>	<u>\$ 1,294,900</u>	<u>\$ 996,400</u>

OTAY WATER DISTRICT
 DIVISION 3243 - LABORATORY
 FISCAL YEAR 2016 BUDGET

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Total Labor and Benefits	\$ 139,018	\$ 148,700	\$ 166,700
Administrative Expenses			
Outside Services	61,814	49,500	47,000
Total Administrative Expenses	\$ 61,814	\$ 49,500	\$ 47,000
Materials and Maintenance Expenses			
Laboratory Equipment and Supplies	43,938	44,000	40,000
Total Materials and Maintenance Expenses	\$ 43,938	\$ 44,000	\$ 40,000
Total Expenses	<u>\$ 244,770</u>	<u>\$ 242,200</u>	<u>\$ 253,700</u>

OTAY WATER DISTRICT
 DIVISION 3244 - RECLAMATION PLANT
 FISCAL YEAR 2016 BUDGET

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Total Labor and Benefits	\$ 592,199	\$ 612,400	\$ 632,800
Administrative Expenses			
Rent and Leases	-	4,500	4,000
Temporary Employment Services	4,360	8,800	8,800
Total Administrative Expenses	\$ 4,360	\$ 13,300	\$ 12,800
Materials and Maintenance Expenses			
Fuel and Oil	11,336	15,000	15,000
Infrastructure Equipment and Supplies	47,906	56,100	82,800
Chemicals	31,574	39,100	39,100
Safety Equipment	77	2,900	1,000
Other Materials and Maintenance	134	-	-
Contracted Services	43,243	30,800	45,700
Total Materials and Maintenance Expenses	\$ 134,270	\$ 143,900	\$ 183,600
Total Expenses	<u>\$ 730,829</u>	<u>\$ 769,600</u>	<u>\$ 829,200</u>

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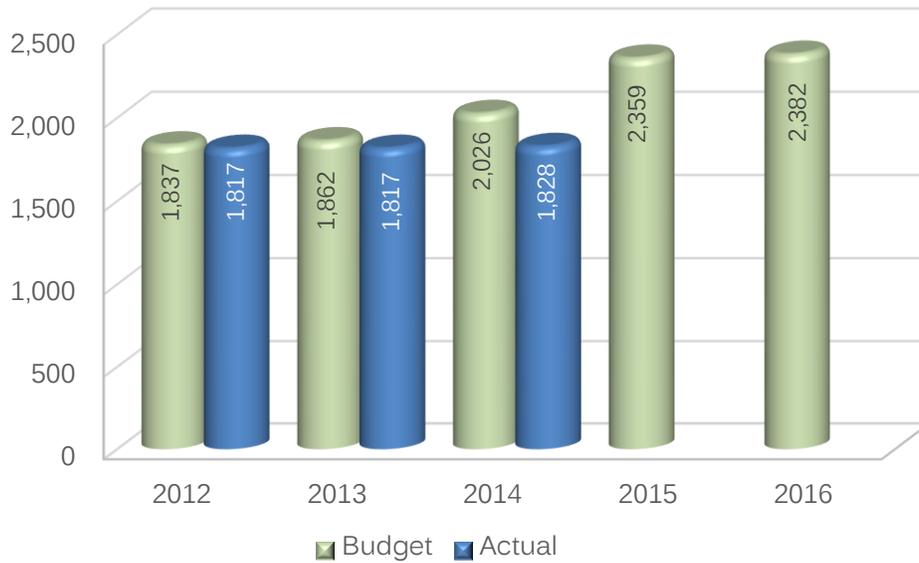
Engineering

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Labor and Benefits ⁽²⁾	\$ 1,392,467	\$ 1,587,800	\$ 1,609,600
Travel and Meetings	17,805	18,700	19,400
General Office Expense	957	1,000	7,500
Fees	26,050	33,000	30,000
Services	389,828	705,100	702,600
Training	570	12,900	12,500
Materials & Maintenance	32	-	-
Total	\$ 1,827,709	\$ 2,358,500	\$ 2,381,600

⁽²⁾ Excludes CIP labor and benefits.

⁽²⁾ Excludes CIP labor and benefits.

BUDGET VS. ACTUAL, IN THOUSANDS (\$)



OTAY WATER DISTRICT
 DIVISION 3311 - ENGINEERING CHIEF
 FISCAL YEAR 2016 BUDGET

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Total Labor and Benefits	\$ 283,510	\$ 337,800	\$ 350,300
Administrative Expenses			
Mileage	219	500	500
Travel Expenses	7,906	7,200	8,000
Conferences and Seminars	6,164	4,600	4,600
Business Meetings	922	2,500	2,500
Membership and Dues	2,594	3,900	3,800
Books, Periodicals and Subscriptions	957	1,000	7,500
Outside Services	148	1,500	1,000
General Training	175	10,400	10,000
Required Certification	395	2,500	2,500
Total Administrative Expenses	\$ 19,480	\$ 34,100	\$ 40,400
Total Expenses	<u>\$ 302,990</u>	<u>\$ 371,900</u>	<u>\$ 390,700</u>

OTAY WATER DISTRICT
 DIVISION 3321 - ENGINEERING SERVICES
 FISCAL YEAR 2016 BUDGET

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Total Labor and Benefits	\$ 276,498	\$ 315,300	\$ 293,500
Administrative Expenses			
Outside Services	221,068	520,000	515,000
Total Administrative Expenses	\$ 221,068	\$ 520,000	\$ 515,000
Total Expenses	<u>\$ 497,566</u>	<u>\$ 835,300</u>	<u>\$ 808,500</u>

Note: Engineering Services includes Planning, Design and Water Resources

OTAY WATER DISTRICT
DIVISION 3421 - PUBLIC SERVICES
FISCAL YEAR 2016 BUDGET

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Total Labor and Benefits	\$ 340,682	\$ 363,800	\$ 374,200
Total Expenses	<u>\$ 340,682</u>	<u>\$ 363,800</u>	<u>\$ 374,200</u>

OTAY WATER DISTRICT
 DIVISION 3431 - FIELD SERVICES
 FISCAL YEAR 2016 BUDGET

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Total Labor & Benefits	\$ 434,390	\$ 491,400	\$ 530,700
Administrative Expenses			
Outside Services	74,486	93,600	111,600
Total Administrative Expenses	74,486	93,600	111,600
Materials & Maintenance Expenses			
Other Materials & Maintenance	32	-	-
Total Materials & Maintenance Expenses	\$ 32	\$ -	\$ -
Total Expenses	\$ 508,908	\$ 585,000	\$ 642,300

Note: Field Services includes Construction Services and Survey Services

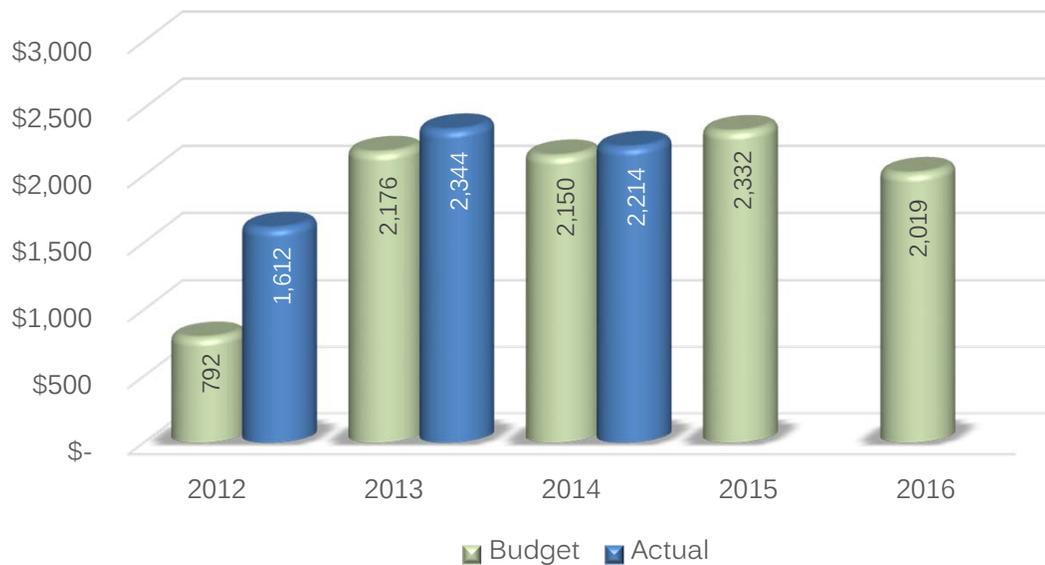
OTAY WATER DISTRICT
 DIVISION 3451 - ENVIRONMENTAL SERVICES
 FISCAL YEAR 2016 BUDGET

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Total Labor & Benefits	\$ 57,387	\$ 79,500	\$ 60,900
Administrative Expenses			
Regulatory Agencies Fees	26,050	33,000	30,000
Outside Services	94,126	90,000	75,000
Total Administrative Expenses	\$ 120,176	\$ 123,000	\$ 105,000
Total Expenses	\$ 177,563	202,500	165,900

General Expense

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Labor and Benefits ⁽¹⁾	\$ 1,367,499	\$ 1,290,800	\$ 1,183,400
Fees	844,099	1,041,000	836,000
Training	2,566	-	-
Total	\$ 2,214,164	\$ 2,331,800	\$ 2,019,400

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 Costs (OPEB). These costs are netted against the District's anticipated Vacancy Factor. The Vacancy Factor for FY 2015 and FY 2016 is \$185,600 and \$338,300 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 2016 BUDGET

	FY 2014	FY 2015	FY 2016
	Actual	Budget	Budget
Total Labor & Benefits	\$ 1,367,499	\$ 1,290,800	\$ 1,183,400
Administrative Expenses			
Regulatory Agencies Fees	14,161	-	-
General Training	2,566	-	-
General Insurance	549,869	631,000	586,000
Legal Expenses	280,069	410,000	250,000
Total Administrative Expenses	846,665	1,041,000	836,000
Total Expenses	2,214,164	2,331,800	2,019,400

CIP Projects (\$1,000s)

The 2016 Fiscal Year CIP Budget contains 93 projects. The costs for the work planned for Fiscal Year 2016 is \$12.1 million. Of the 80 projects planned for Fiscal Year 2016, one is designated as reimbursable projects with an estimated cost of \$1 thousand. These projects are built by a developer and reimbursed by the District.

CAPITAL FACILITY PROJECTS

CIP No	Description	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
P2040	Res - 1655-1 Reservoir 0.5 MG	\$ 25	\$ 250	\$ 900	\$ 925	\$ 100	\$ -	\$ 2,200
P2083	PS - 870-2 Pump Station Replacement	350	5,000	5,000	3,350	-	-	13700
P2267	36-Inch Main Pumpouts and Air/Vacuum Ventilation Installations	50	200	55	-	-	-	305
P2285	Office Equipment and Furniture Capital Purchases	15	15	15	14	6	-	65
P2325	PL-10" to 12" Oversize, 1296 Zone, PB Road-Rolling Hills Hydro PS/PB Bndy	1	20	-	-	-	-	21
P2434	Rancho Del Rey Groundwater Well Development	-	-	-	-	-	-	0
P2451	Otay Mesa Desalination Conveyance and Disinfection System	350	350	3,200	6,000	8,000	9,000	26900
P2466	Regional Training Facility	8	6	-	-	-	-	14
P2469	Information Technology Network and Hardware	175	50	-	-	-	-	225
P2470	Financial System Enhancements	100	-	-	-	-	-	100
P2486	Asset Management Plan Condition Assessment and Data Acquisition	75	75	28	-	-	-	178
P2511	Otay Interconnect Pipeline	50	200	200	102	1	1	554
P2537	Operations Yard Property Acquisition Improvements	450	150	15	-	-	-	615
P2540	Work Order Management System Replacement	60	100	-	-	-	-	160
P2541	624 Pressure Zone PRSs	525	5	-	-	-	-	530
P2547	District Administration Vehicle Charging Stations	1	43	5	-	-	-	49
P2548	Sump Pump Installation at the 980-1 & 2 Reservoirs	-	-	-	-	-	-	0
P2549	Fuel System Upgrade	30	-	-	-	-	-	30
P2551	Blossom Lane Helix WD and Otay WD Interconnection	150	13	-	-	-	-	163
P2552	South Barcelona Helix WD and Otay WD Interconnection	150	20	-	-	-	-	170
P2554	640/340 PRS at Energy Way and Nirvana Avenue	1	1	50	250	75	23	400
P2555	Administration and Operations Parking Lot Improvements	10	50	100	100	100	140	500
P2561	Res - 711-3 Reservoir Cover/Liner Replacement	5	95	1,700	-	-	-	1800
P2562	Res - 571-1 Reservoir Cover/Liner Replacement	1	9	10	90	2,490	-	2600
P2563	Res - 870-1 Reservoir Cover/Liner Replacement	1	5	5	9	90	890	1000
P2568	Technology Business Processes Improvement	40	75	-	-	-	-	115

CIP Projects (\$1,000s)

CAPITAL FACILITY PROJECTS, CONTINUED

CIP No	Description	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
P2569	Metro Ethernet Implementation/ District Facilities - Pilot	\$ 100	\$ -	\$ -	\$ -	\$ -	\$ -	100
P2570	SCADA Equipment & Infrastructure Enhancement	-	100	100	100	-	-	300
P2571	Datacenter Network Enhancement & Replacement of Infrastructure Componets	-	-	-	100	100	-	200
P2572	Enterprise Resource Planning (ERP) Replacement	-	-	-	-	-	250	250
R2077	RecPL - 24-Inch, 860 Zone, Alta Road - Alta Gate/Airway	5	20	20	-	-	-	45
R2087	RecPL - 24-Inch, 927 Zone, Wueste Road - Olympic/Otay WTP	-	-	-	-	-	-	0
R2107	RWCWRF Screening Compactor and Chlorine Injectors Enclosure	7	-	-	-	-	-	7
R2108	Res - 927-1 Reservoir Cover Replacement	10	-	-	-	-	-	10
R2110	RecPS - 944-1 Optimization and Pressure Zone Modifications	25	5	92	-	-	-	122
R2113	Chlorine 1-ton Cylinder Emergency Close Valve	-	-	-	-	-	-	0
R2114	Large Recycle Pump Replacement at the RWCWRF 927-1 Pump Station	40	-	-	-	-	-	40
R2117	RWCWRF Disinfection System Improvements	110	1,100	1,100	100	-	-	2410
R2118	Steele Canyon Sewer PS Chopper Pump	40	-	-	-	-	-	40
R2119	Treatment Plant Automation & Security Upgrades	50	50	50	50	-	-	200
R2121	Res - 944-1 Reservoir Cover/Liner Replacement	25	1,375	-	-	-	-	1400
R2122	Emergency Recycled Water Fire Hydrant Installations	75	-	-	-	-	-	75
S2043	RWCWRF Sludge Handling System	1	1	1	1	1	1	6
43	Total Capital Facility Projects	\$ 3,111	\$ 9,383	\$ 12,646	\$ 11,191	\$ 10,963	\$ 10,305	\$ 57,599

REPLACEMENT/RENEWAL PROJECTS

CIP No	Description	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
P2382	Safety and Security Improvements	300	250	-	-	-	-	550
P2453	SR-11 Utility Relocations	5	5	250	250	257	-	767
P2485	SCADA Communication System and Software Replacement	75	35	150	150	150	160	720
P2493	624-2 Reservoir Interior/Exterior Coating	55	50	-	-	-	-	105
P2494	Multiple Species Conservation Plan	87	-	-	-	-	-	87
P2495	San Miguel Habitat Management/Mitigation Area	120	120	160	160	180	190	930
P2496	Otay Lakes Road Utility Relocations	20	5	-	-	-	-	\$25
P2504	Regulatory Site Access Road and Pipeline Relocation	50	365	135	20	-	-	\$570
P2507	East Palomar Street Utility Relocation	25	120	110	-	-	-	\$255

CIP Projects (\$1,000s)

REPLACEMENT/RENEWAL PROJECTS, CONTINUED

CIP No	Description	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
P2508	Pipeline Cathodic Protection Replacement Program	150	300	50	47	-	-	\$547
P2515	870-1 Reservoir Paving	15	-	-	-	-	-	\$15
P2518	803-3 Reservoir Interior/Exterior Coating	20	45	-	-	-	-	\$65
P2519	832-2 Reservoir Interior/Exterior Coating	20	45	25	-	-	-	\$90
P2520	Motorola Mobile Radio Upgrade	30	14	-	-	-	-	\$44
P2529	711-2 Reservoir Interior & Exterior Coating	600	130	25	35	-	-	\$790
P2530	711-1 Reservoir Interior & Exterior Coating	800	200	15	25	-	-	\$1,040
P2531	944-1 Reservoir Interior & Exterior Coating	130	50	35	-	-	-	\$215
P2532	944-2 Reservoir Interior & Exterior Coating	50	50	50	-	-	-	\$150
P2533	1200-1 Reservoir Interior & Exterior Coating	5	490	35	35	-	-	\$565
P2534	978-1 Reservoir Interior & Exterior Coating	-	10	275	5	35	-	\$325
P2535	458-2 Reservoir Interior & Exterior Coating & Upgrades	115	5	35	-	-	-	\$155
P2538	Administration and Operations Building Fire Sprinkler Replacement Program	5	20	18	-	-	-	\$43
P2539	South Bay Bus Rapid Transit (BRT) Utility Relocations	100	100	100	40	-	-	\$340
P2542	850-3 Reservoir Interior Coating	230	15	35	-	-	-	\$280
P2543	850-1 Reservoir Interior/Exterior Coating	-	10	515	10	40	-	\$575
P2544	850-2 Reservoir Interior/Exterior Reservoir Coating	5	5	880	10	40	-	\$940
P2545	980-1 Reservoir Interior Exterior Coating	950	445	50	50	-	-	\$1,495
P2546	980-2 Reservoir Interior/Exterior Coating	-	-	10	1,390	10	40	\$1,450
P2550	Fuel Island Upgrade	75	-	-	-	-	-	\$75
P2553	Heritage Road Bridge Replacement and Utility Relocation	10	100	290	645	155	-	\$1,200
P2557	520 Res Recirculation Pipeline Chemical Supply and Analyser Feed Replacement Project	1	29	65	5	-	-	\$100
P2558	Additional pump station fuel storage	25	-	-	-	-	-	\$25
P2559	Pressure Vessel Repair and Replacement Program	50	250	-	-	-	-	\$300
P2564	Administration Carpet Replacement Program	65	75	75	-	-	-	\$215
P2565	803-2 Reservoir Interior/Exterior Coating & Upgrades	-	-	-	5	675	45	\$725
P2566	520-2 Reservoir Interior/Exterior Coating & Upgrades	-	-	-	-	10	1,780	\$1,790
P2567	1004-2 Reservoir Interior/Exterior Coating & Upgrades	-	-	-	-	10	555	\$565
R2109	Sweetwater River Wooden Trestle Improvement for the Recycled Water Forcemain	400	10	-	-	-	-	\$410
R2111	RWCWRF - RAS Pump Replacement	250	-	-	-	-	-	\$250
R2112	450-1 Disinfection Facility Rehabilitation	40	25	-	-	-	-	\$65

CIP Projects (\$1,000s)

REPLACEMENT/RENEWAL PROJECTS, CONTINUED

CIP No	Description	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
R2116	RecPL - 14-Inch, 927 Zone, Forcemain Assessment and Repair	225	1,000	150	50	-	-	\$1,425
R2120	RWCWRF Filtered Water Storage Tank Improvements	10	245	245	-	-	-	\$500
S2012	San Diego County Sanitation District Outfall and RSD Outfall Replacement	50	150	150	200	250	300	\$1,100
S2024	Campo Road Sewer Main Replacement	500	3,400	1,000	-	-	-	\$4,900
S2027	Rancho San Diego Pump Station Rehabilitation	320	1,000	1,000	915	-	-	\$3,235
S2033	Sewer System Rehabilitation	900	800	800	800	800	500	\$4,600
46	Total Replacements and Renewal Projects	\$ 6,883	\$ 9,968	\$ 6,733	\$ 4,847	\$ 2,612	\$ 3,570	\$ 34,613

CAPITAL PURCHASE PROJECTS

CIP No	Description	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	Total
P2282	Vehicle Capital Purchases	556	298	295	327	308	317	\$2,101
P2286	Field Equipment Capital Purchases	50	100	83	68	16	105	\$422
P2366	APCD Engine Replacements and Retrofits	535	307	157	118	78	110	\$1,305
3	Total Capital Purchase	\$1,141	\$705	\$535	\$513	\$402	\$532	\$3,828

DEVELOPER REIMBURSEMENT PROJECTS

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

SUMMARY

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

FY 2016 Capital Purchases

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

	Item#	Description	Amount
FIELD EQUIPMENT			
Finance			
	3	Portable Meter Test Program/hardware	15,000
Operations			
	17	Two portable engine driven pumps	520,000
	19	Valve machine	34,500
	22	Portable Emissions Analyzer	14,500
Total of Field Equipment			<u>584,000</u>
VEHICLES			
Engineering Planning			
	18	Replace truck bed for Unit No. 184	11,000
Operations			
	9	Potable Vactor truck with 15-year debris body	405,000
	21	One-ton service truck with engine driven Hydraulic air compressor and 20-foot crane.	140,000
Total of Vehicles			<u>556,000</u>
Grand Total :			<u><u>\$ 1,140,000</u></u>

Summary by Project

P2286 Field	\$ 15,000
P2282 Vehicle	590,500
P2366 APCD Engine Replacements and Retrofits	534,500
	<u>\$ 1,140,000</u>

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PROJECT TITLE: Res - 1655-1 Reservoir 0.5 MG

CIP Number: P2040

DIRECTOR DIVISION: 5

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE: 8/19/1992

PRIORITY: 3

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$2,200,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2040

PROJECT SCHEDULE:

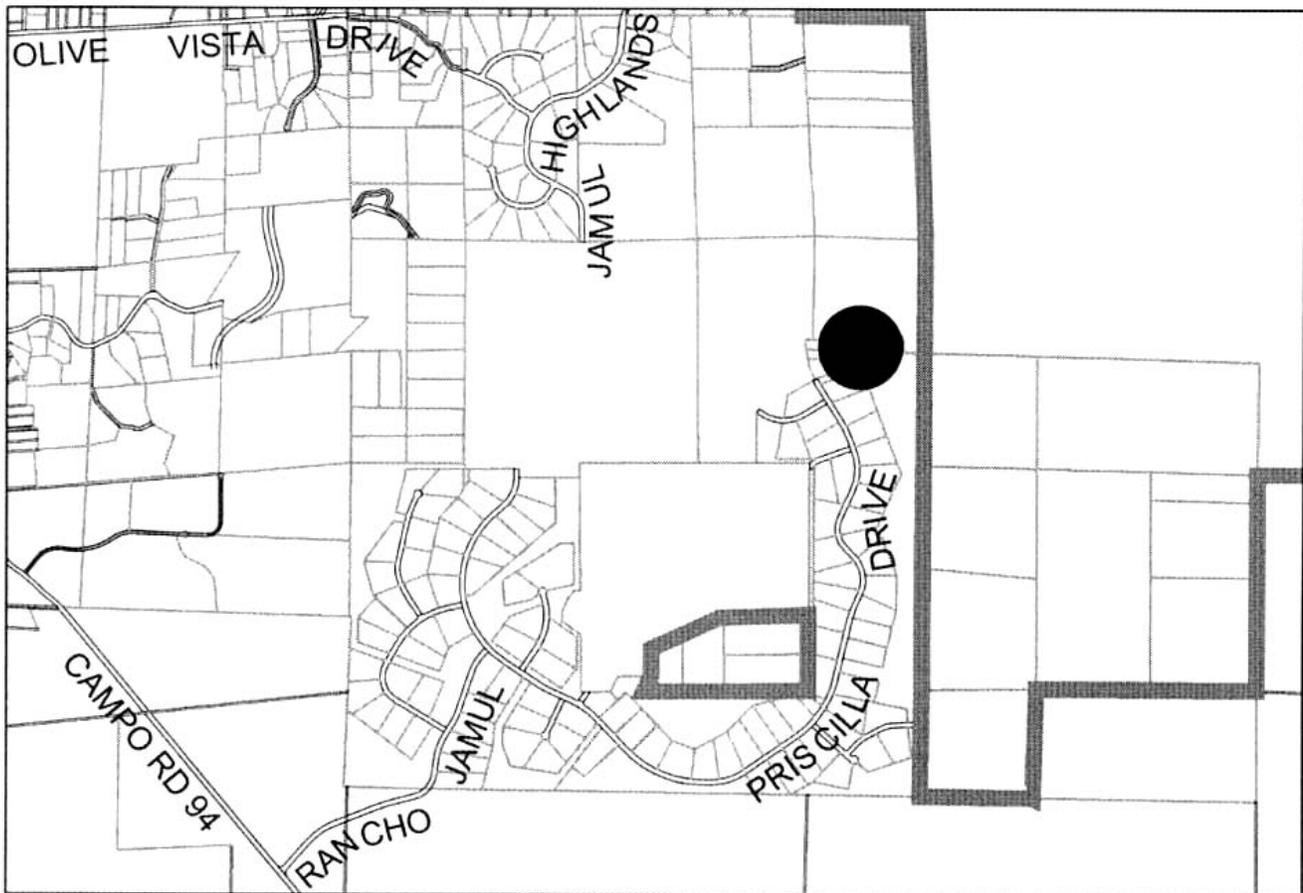
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	6/30/2016	\$82
DESIGN:	7/1/2017	6/30/2018	\$226
CONSTRUCTION:	7/1/2018	6/30/2020	\$1,892

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 310



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: PS - 870-2 Pump Station Replacement

CIP Number: P2083

DIRECTOR DIVISION: 2

PROJECT MANAGER: Jeff Marchioro

I.D. LOCATION: 22

ORIGINAL APPROVED DATE: 5/17/1995

PRIORITY: 1

RELATED CIP PROJECTS: P2451

BUDGET AMOUNT: \$15,000,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2083

PROJECT SCHEDULE:

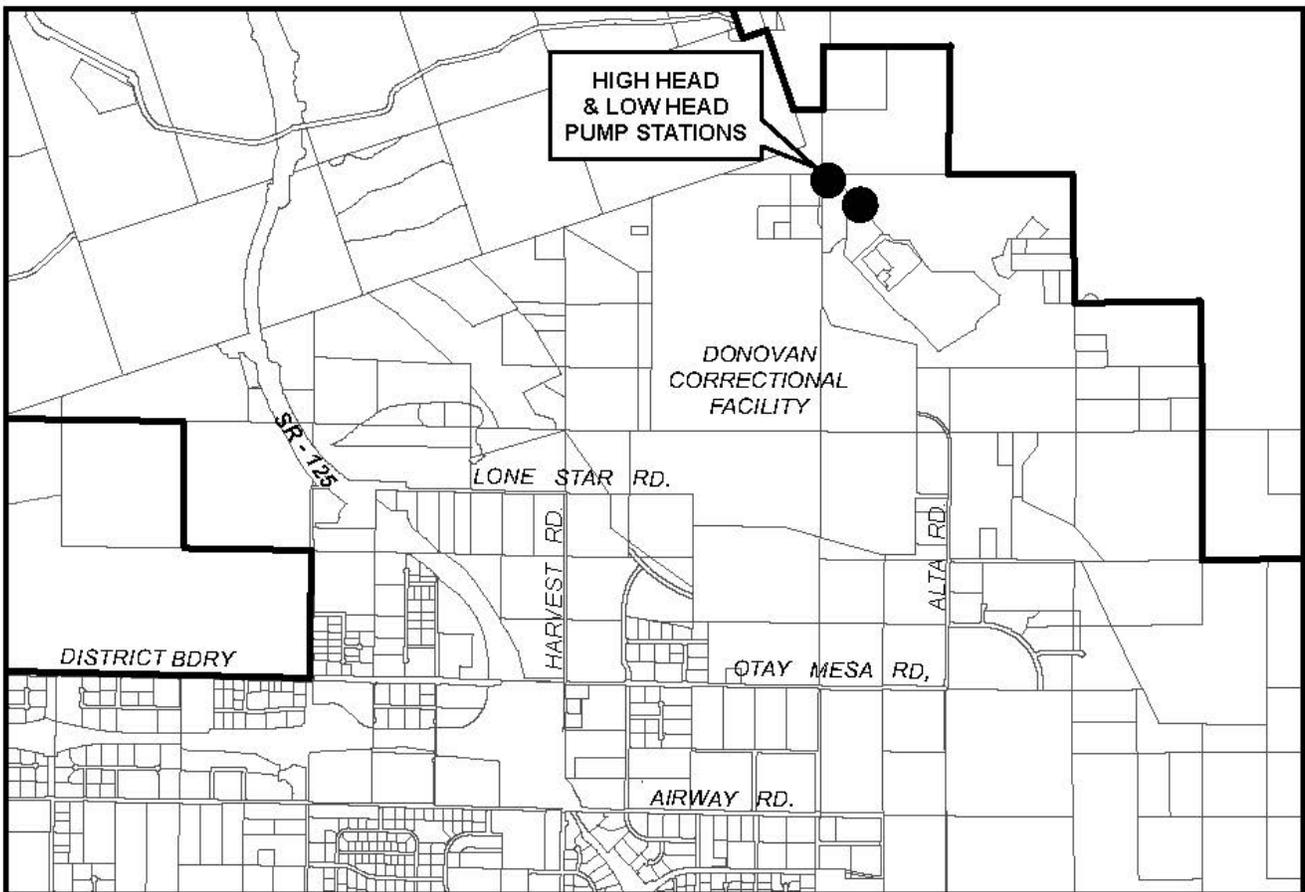
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2013	9/1/2013	\$700
DESIGN:	9/1/2013	6/30/2016	\$970
CONSTRUCTION:	7/1/2016	3/1/2019	\$13,330

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 055



Submitted By: Jolene Fielding

Date: 5/7/2015

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:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2267

PROJECT SCHEDULE:

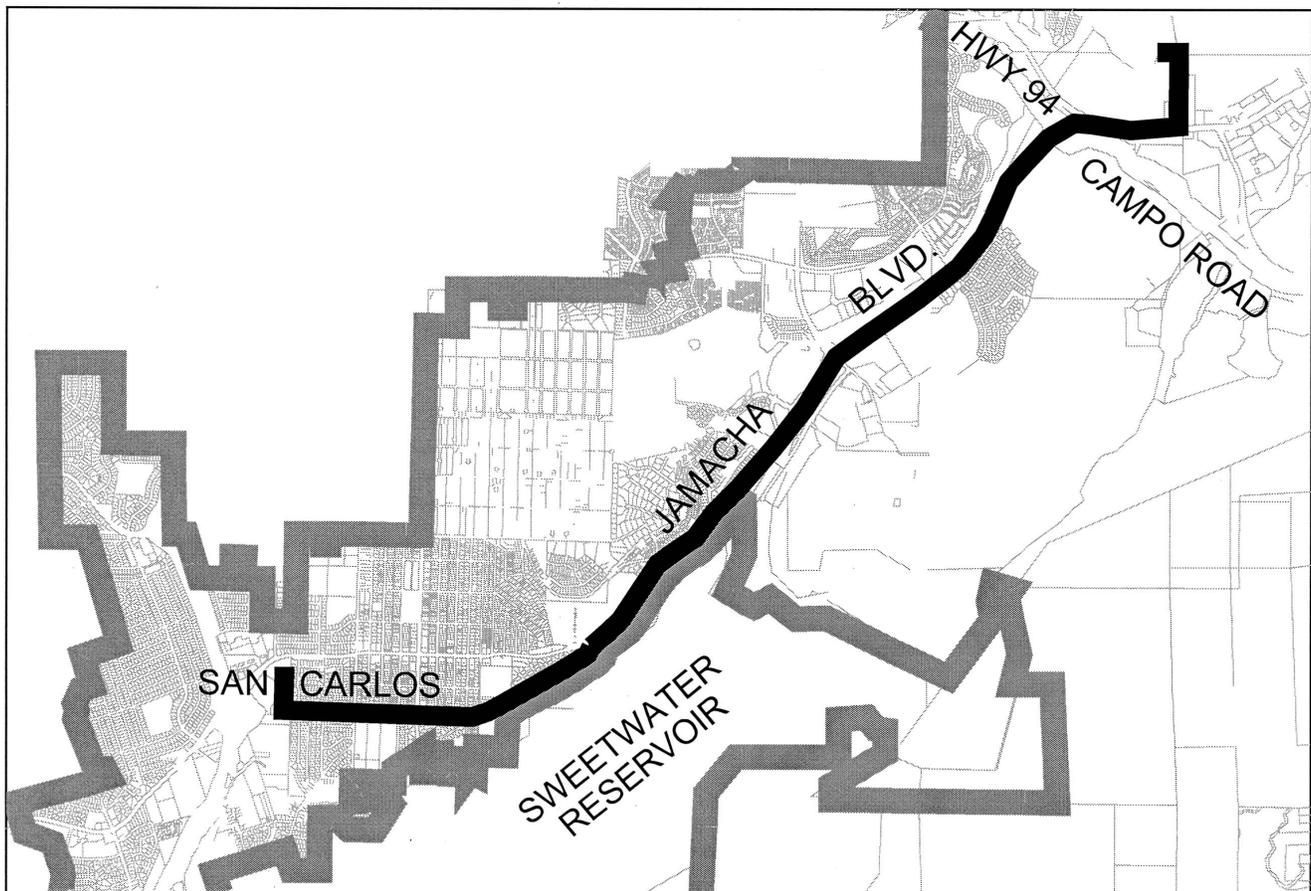
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:	4/1/2015	6/30/2016	\$75
CONSTRUCTION:	7/1/2016	6/30/2018	\$660

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 198



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: Office Equipment and Furniture Capital Purchases

CIP Number: P2285

DIRECTOR DIVISION: 0

PROJECT MANAGER: Kent Payne

I.D. LOCATION: District Wide

ORIGINAL APPROVED DATE: 6/3/1996

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$589,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

Replacements or new acquisitions of office equipment and furniture will be used for operational and administrative functions throughout the entire Otay Water District.

COMMENTS:

2016 - Projected expenditure for Customer Service workstation ergonomic upgrades.

FUND DETAILS:

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
\$524	\$15	\$15	\$15	\$14	\$6	\$0	\$589

CIP Number: P2285

PROJECT SCHEDULE:

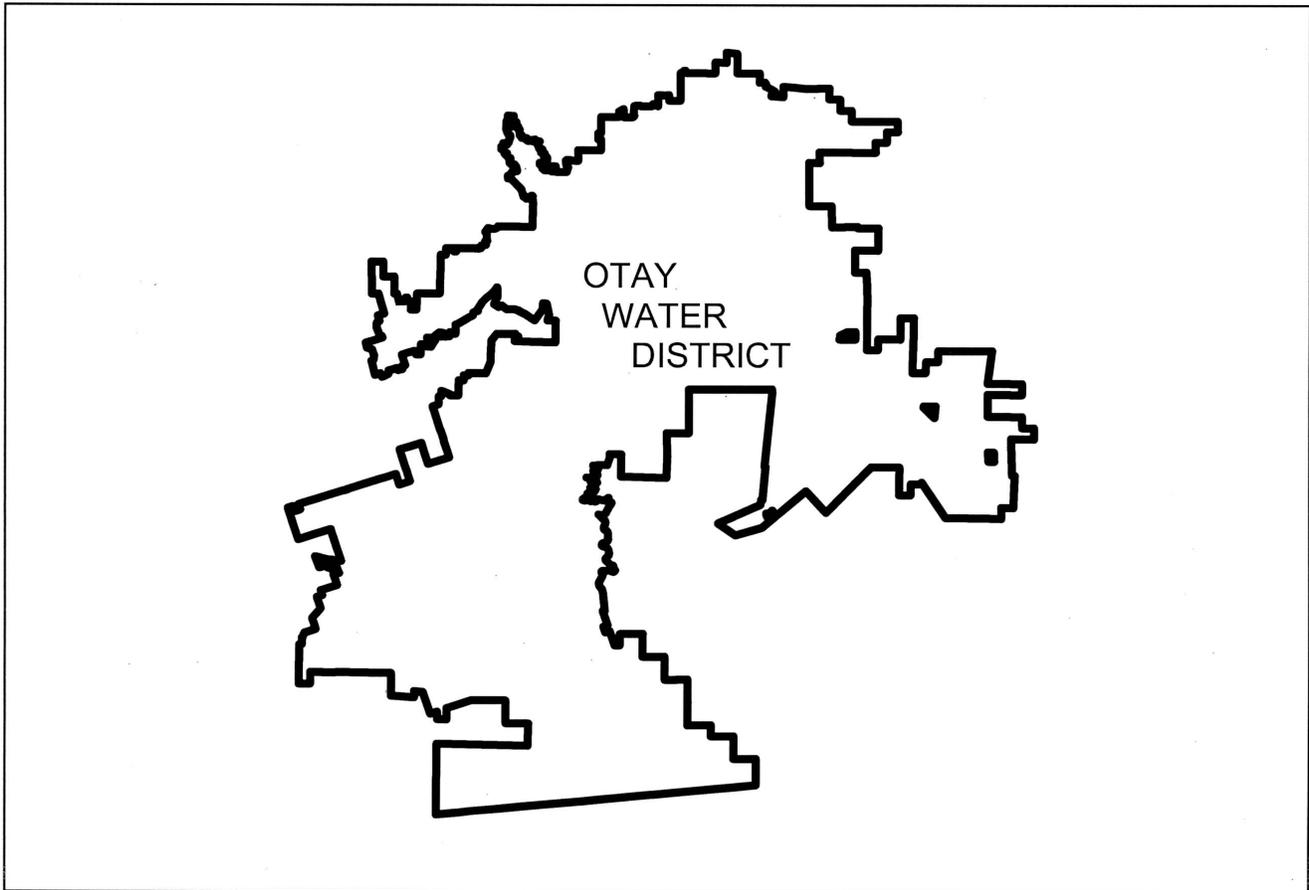
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2000	6/30/2019	\$589

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/7/2015

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

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:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2325

PROJECT SCHEDULE:

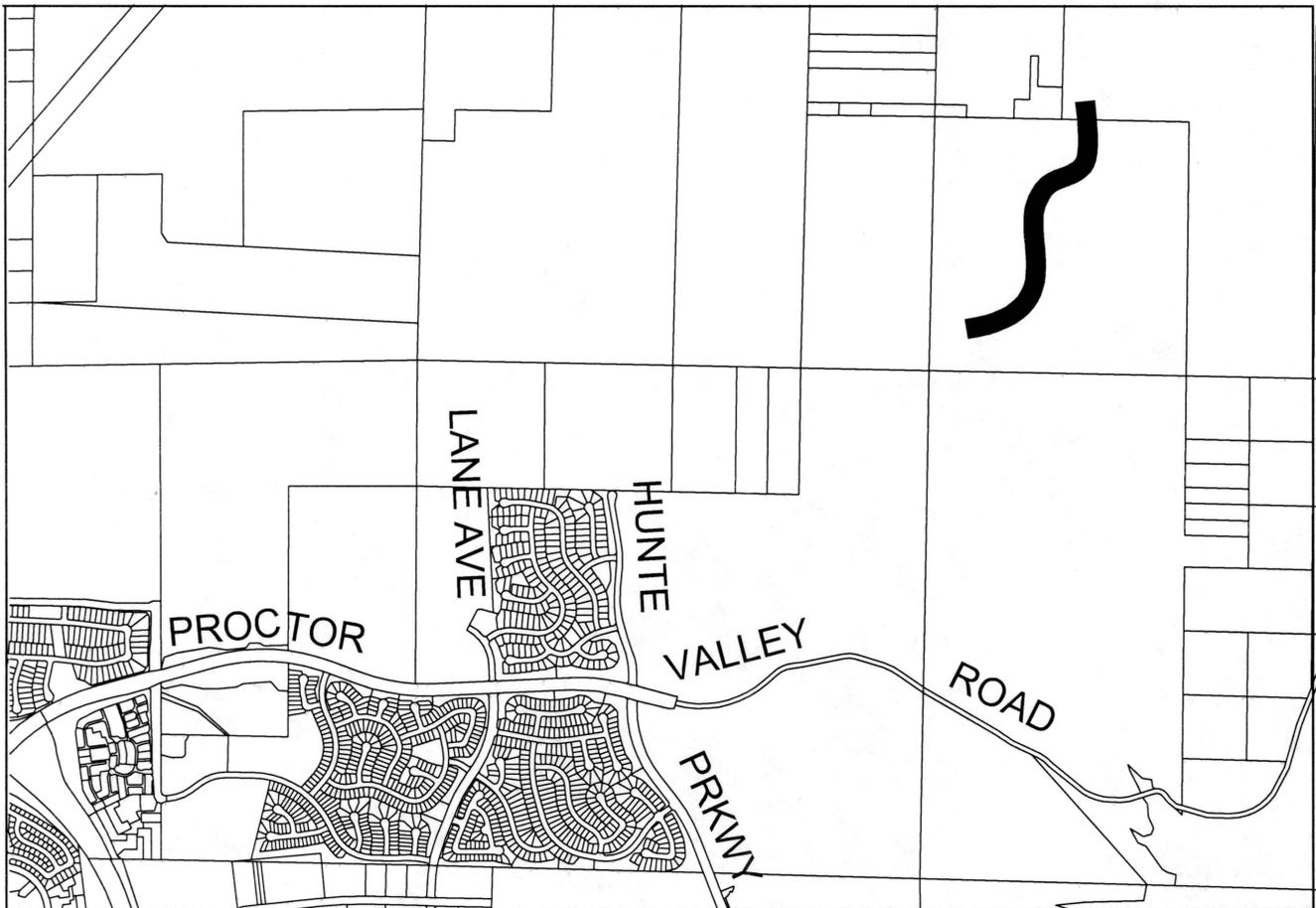
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	6/30/2016	\$1
DESIGN:	7/1/2015	6/30/2016	\$1
CONSTRUCTION:	7/1/2016	6/30/2017	\$20

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 160



Submitted By: Jolene Fielding

Date: 5/11/2015

PROJECT TITLE: Rancho Del Rey Groundwater Well Development

CIP Number: P2434

DIRECTOR DIVISION: 2

PROJECT MANAGER: Jeff Marchioro

I.D. LOCATION: 22

ORIGINAL APPROVED DATE: 5/21/2009

PRIORITY: 3

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$8,700,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
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	2016	2017	2018	2019	2020	2021	Total
	\$3,711	\$0	\$0	\$0	\$0	\$0	\$3,711

CIP Number: P2434

PROJECT SCHEDULE:

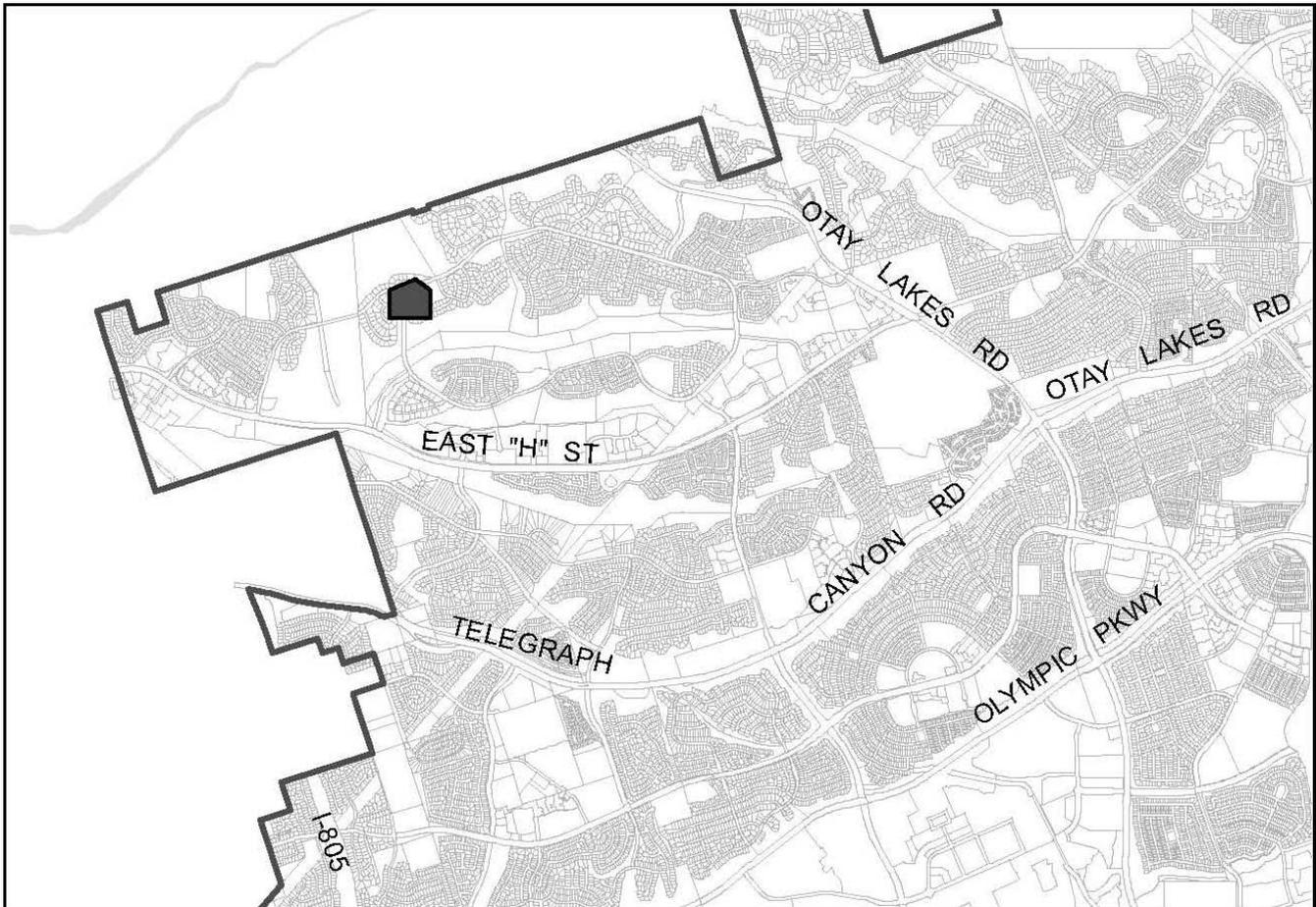
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/1994	12/1/2010	\$2,600
DESIGN:	1/1/2011	6/30/2023	\$1,200
CONSTRUCTION:	7/1/2023	6/30/2025	\$4,900

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 127



Submitted By: Jolene Fielding

Date: 5/7/2015

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE: Otay Mesa Desalination Conveyance and Disinfection System	CIP Number: P2451
PROJECT MANAGER: Rod Posada	DIRECTOR DIVISION: 2
ORIGINAL APPROVED DATE: 5/23/2006	I.D. LOCATION: 22
RELATED CIP PROJECTS: P2083	PRIORITY: 1
	BUDGET AMOUNT: \$30,000,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2451

PROJECT SCHEDULE:

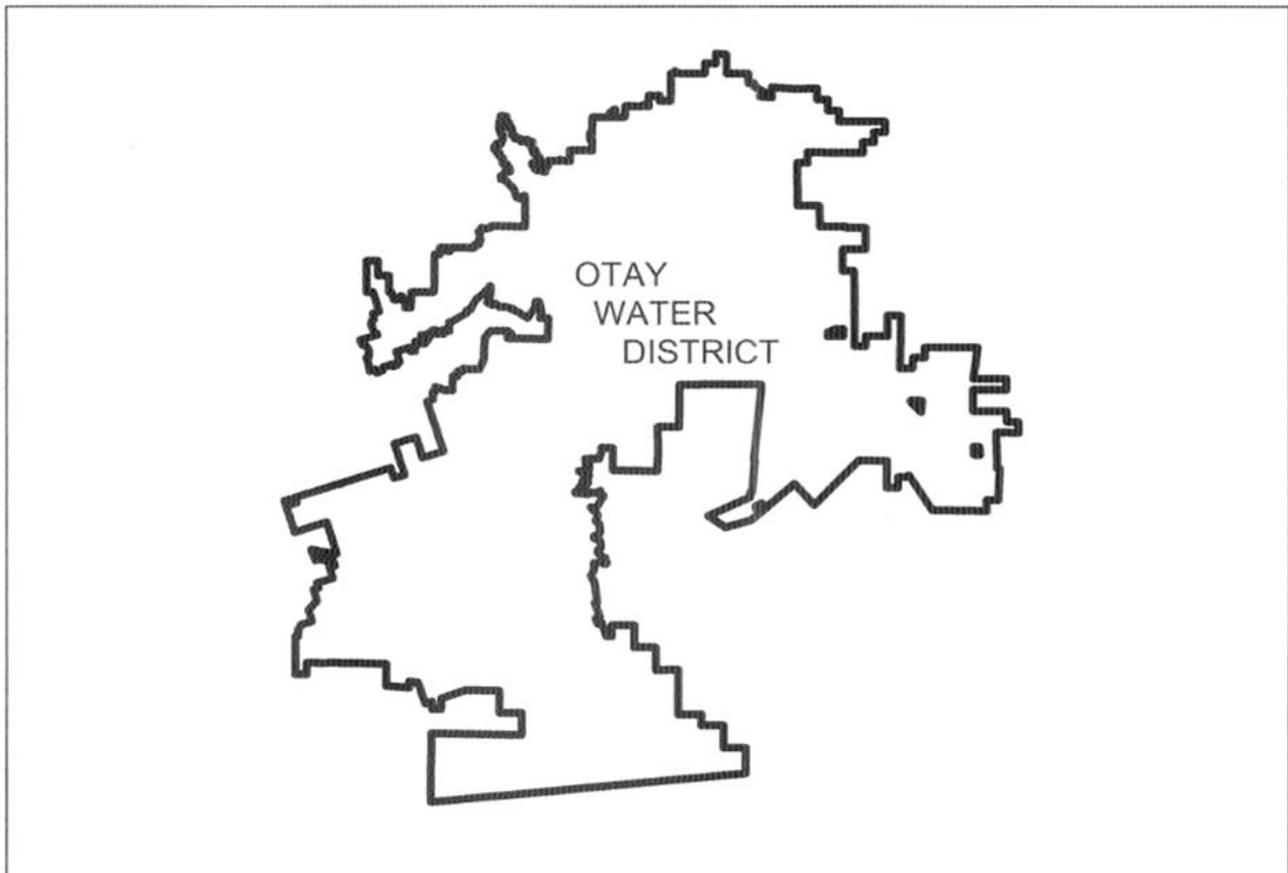
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2006	6/30/2016	\$3,500
DESIGN:	7/1/2016	6/30/2018	\$3,500
CONSTRUCTION:	7/1/2018	6/30/2022	\$23,000

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/11/2015

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

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

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2466

PROJECT SCHEDULE:

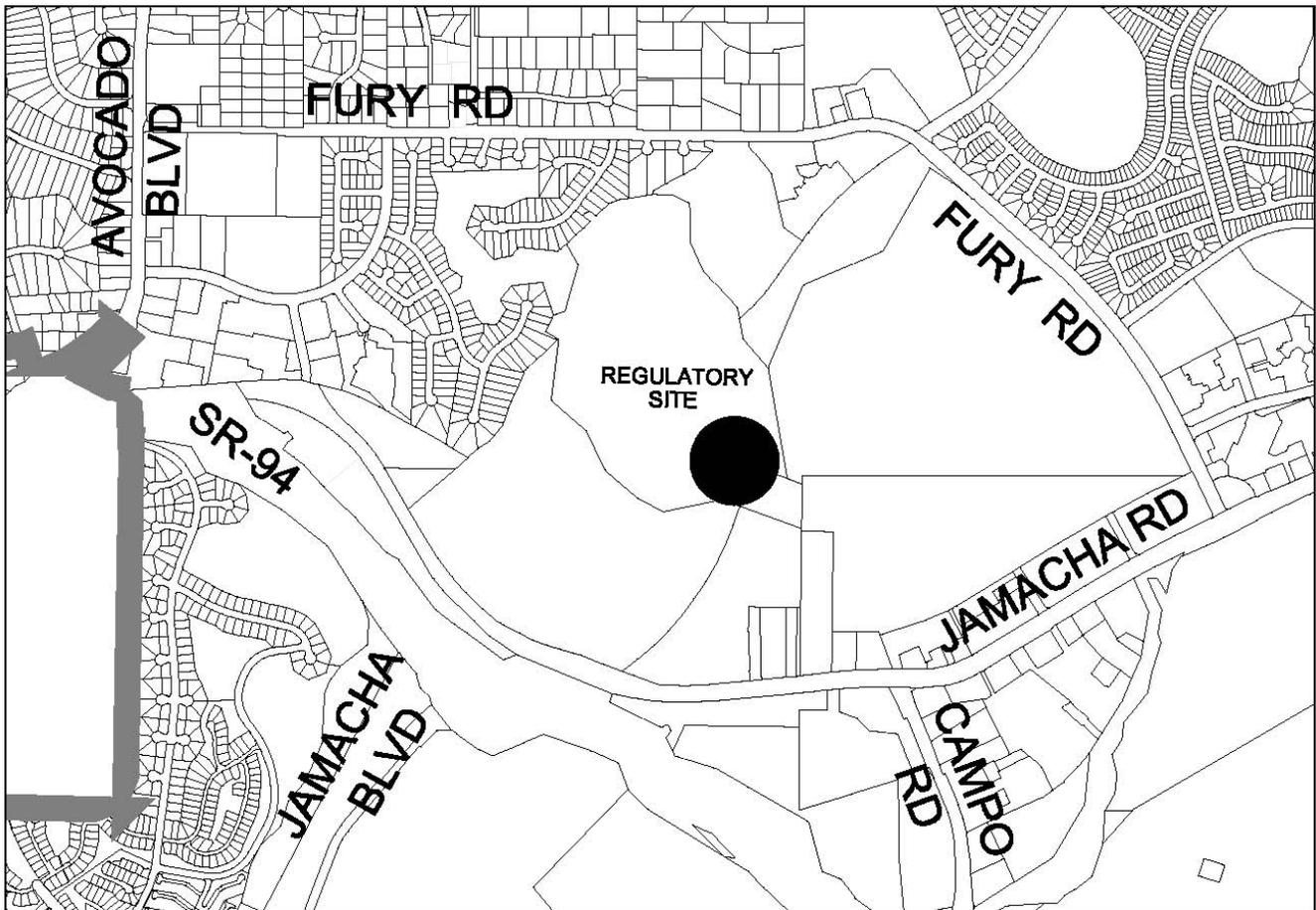
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2007	6/30/2017	\$300
DESIGN:			\$0
CONSTRUCTION:			\$0

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 343



Submitted By: Jolene Fielding

Date: 5/7/2015

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

DESCRIPTION OF PROJECT:

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

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2469

PROJECT SCHEDULE:

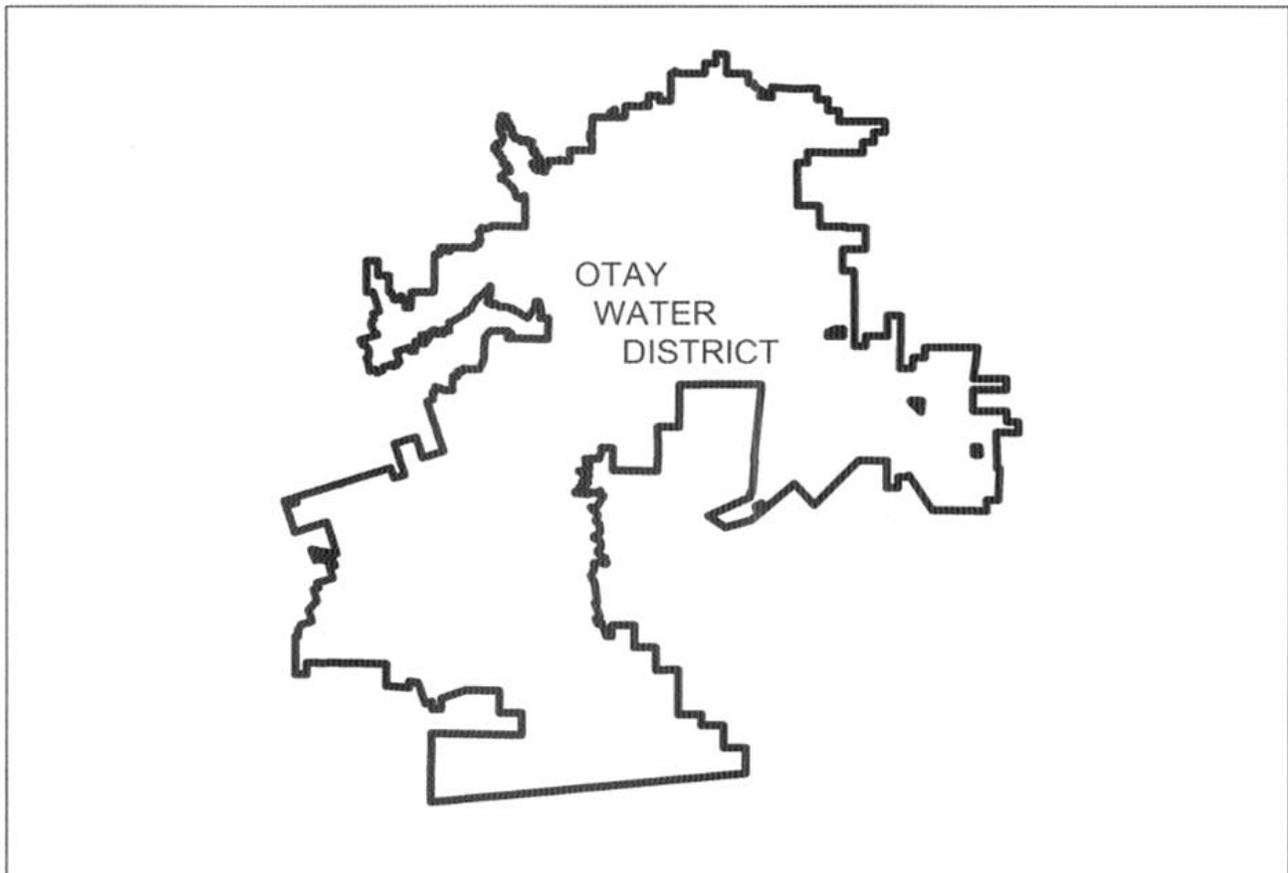
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2008	6/30/2017	\$1,684
DESIGN:			\$0
CONSTRUCTION:			\$0

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/6/2015

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

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

DESCRIPTION OF PROJECT:

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

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

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

JUSTIFICATION OF PROJECT:

This CIP funds the creation and enhancement and modifications of our existing financial information systems. Each year items which require software and hardware changes and additions to these systems are prioritized, scoped, and funded with this CIP. Funds are used for software development costs, software acquisition costs, consulting services, and associated new hardware.

1) Development with ESRI of GIS for Infrastructure Management (\$80K).
 2) Support for Eden modifications for Work Order, Purchasing, and Billing System Modifications (\$50K).

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2470

PROJECT SCHEDULE:

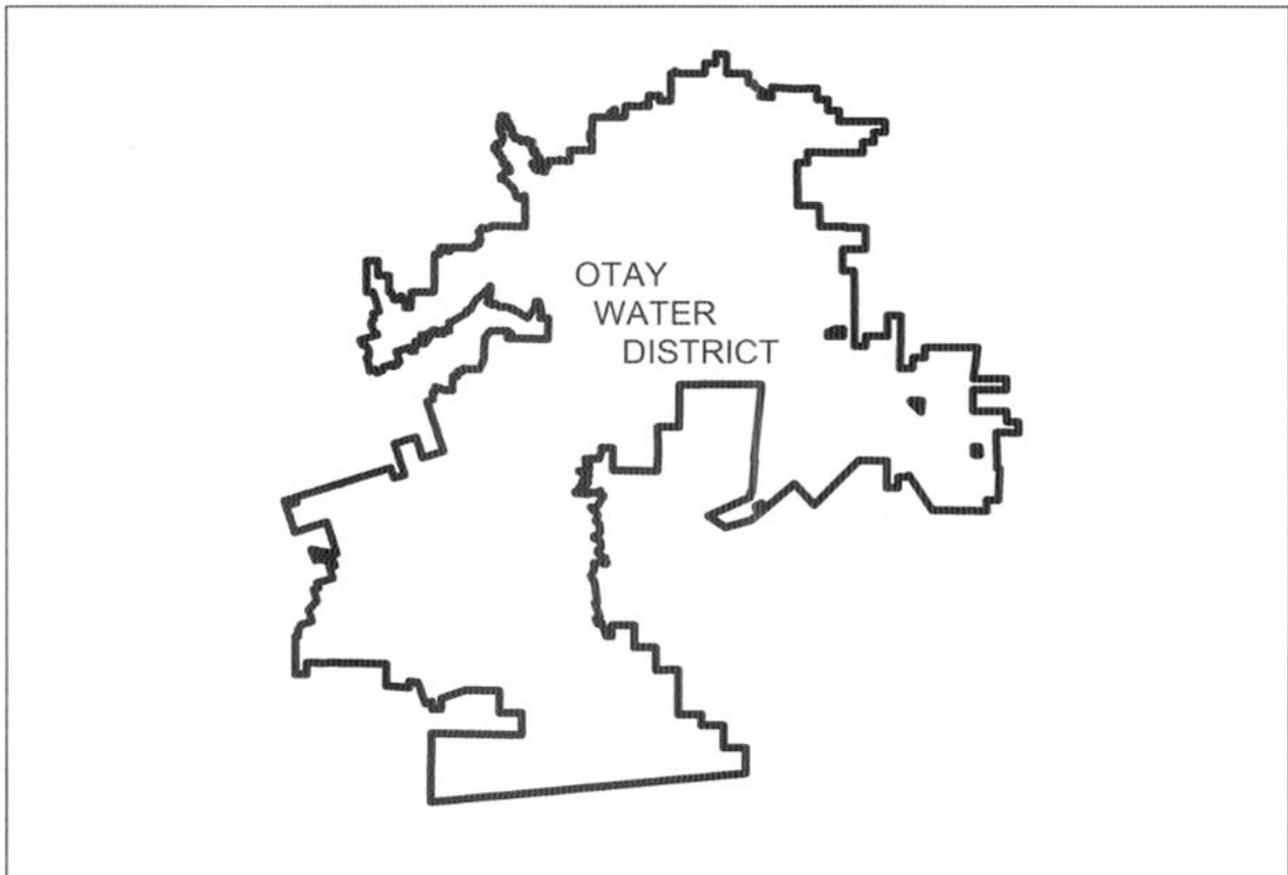
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2008	6/1/2016	\$1,765
DESIGN:			\$0
CONSTRUCTION:			\$0

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/7/2015

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

CIP Number: P2486

PROJECT SCHEDULE:

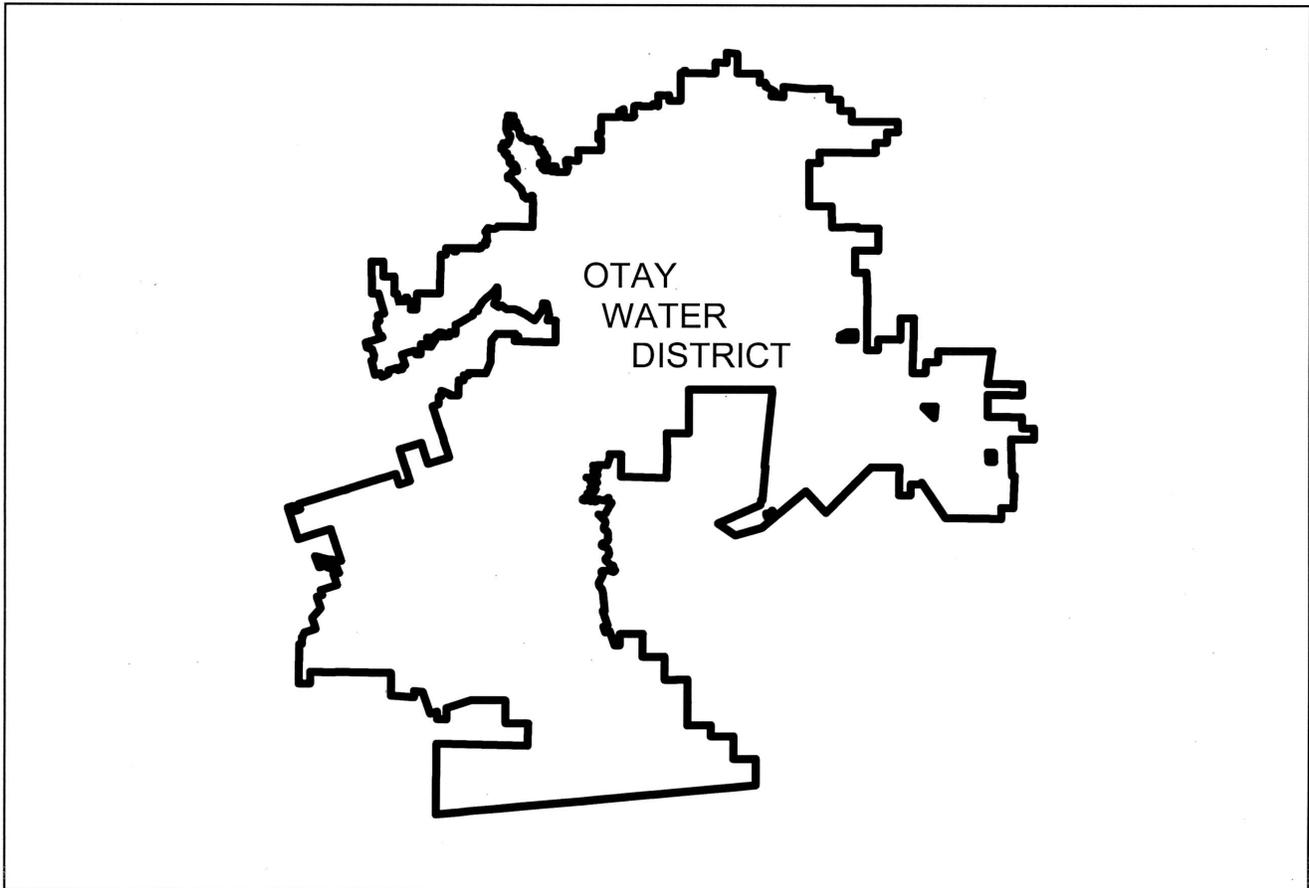
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2009	6/30/2018	\$1,015
DESIGN:			\$0
CONSTRUCTION:			\$0

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/7/2015

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

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2511

PROJECT SCHEDULE:

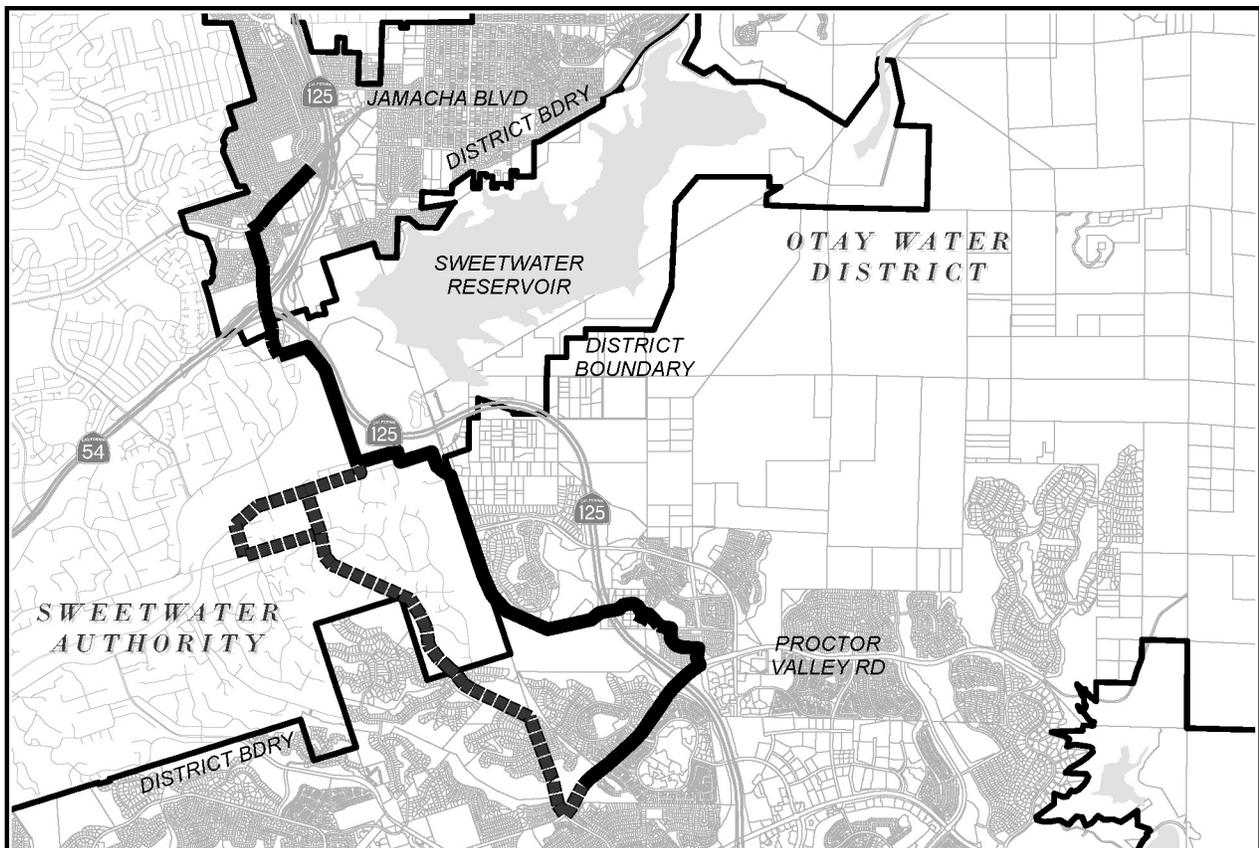
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2010	6/1/2014	\$1,250
DESIGN:	6/1/2013	6/30/2023	\$2,200
CONSTRUCTION:	7/1/2023	6/30/2025	\$33,850

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 184



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: Operations Yard Property Acquisition Improvements

CIP Number: P2537

DIRECTOR DIVISION: 4

PROJECT MANAGER: Stephen Beppler

I.D. LOCATION: 22

ORIGINAL APPROVED DATE: 11/13/2008

PRIORITY: 1

RELATED CIP PROJECTS: P2479

BUDGET AMOUNT: \$775,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2537

PROJECT SCHEDULE:

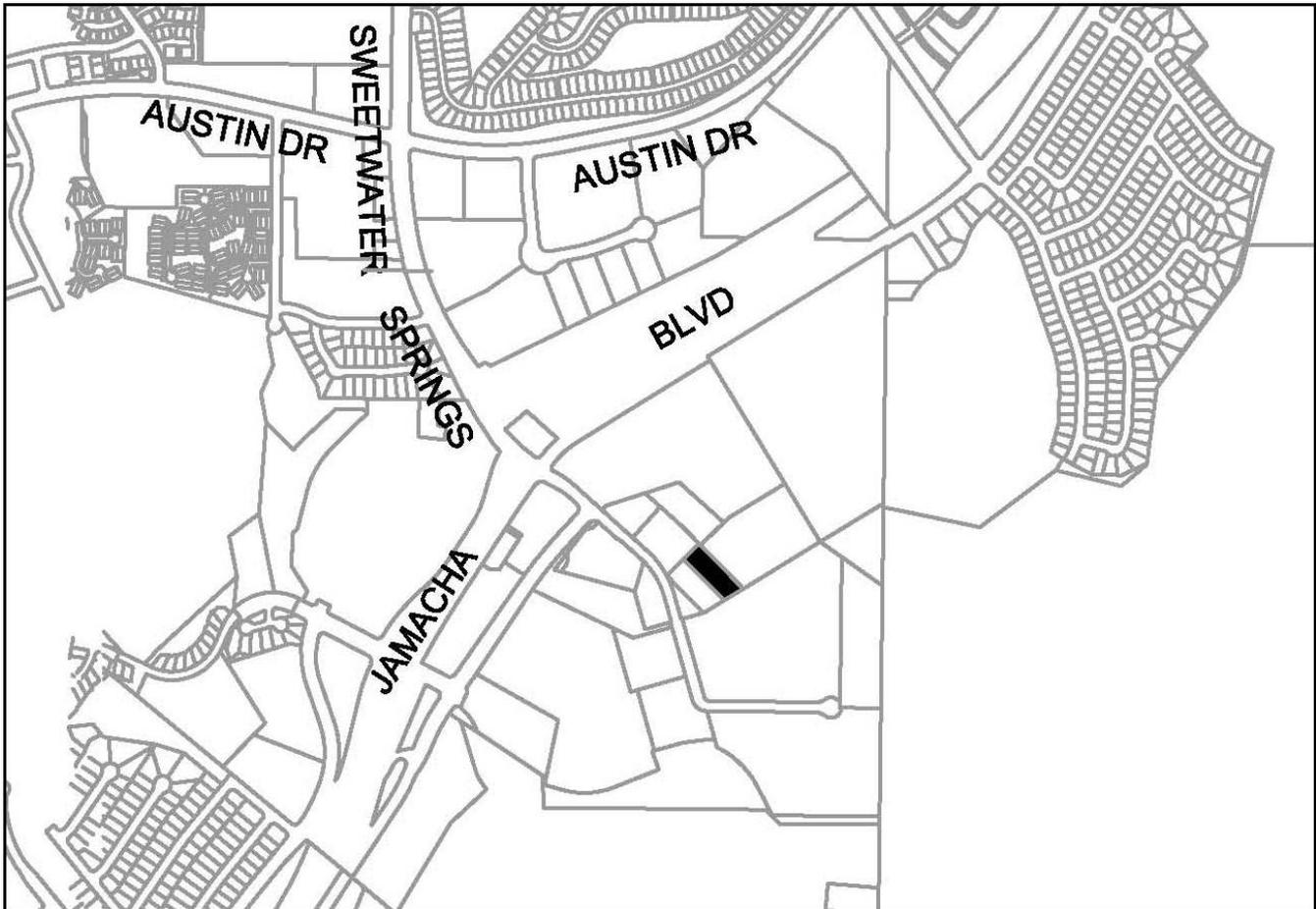
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	6/1/2008	6/30/2014	\$25
DESIGN:	7/1/2018		\$135
CONSTRUCTION:	10/1/2015	6/30/2018	\$615

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 318



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: Work Order Management System Replacement		CIP Number: P2540					
PROJECT MANAGER: Michael Kerr		DIRECTOR DIVISION:	0				
ORIGINAL APPROVED DATE:		I.D. LOCATION:	District Wide				
RELATED CIP PROJECTS:		PRIORITY:	1				
		BUDGET AMOUNT:	\$500,000				
DESCRIPTION OF PROJECT:							
Replace existing work order system.							
JUSTIFICATION OF PROJECT:							
The work order system will organize and track all activities associated with District assets. As part of the implementation of enterprise asset management, the work order system will adopt a GIS centric architecture and integrate efficiently with other core systems. In addition, it needs to be able to assist in all phases of asset creation, maintenance, replacement, and decommission. The current system is at the end of its useful life and does not have the ability to be modified to meet these needs.							
COMMENTS:							
FUND DETAILS:							
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total		
Replacement	0 %	0 %	60 %	0 %	60 %		
Betterment ID 22	0 %	40 %	0 %	0 %	40 %		
TOTAL:	0 %	40 %	60 %	0 %	100 %		
EXPENDITURE SCHEDULE (X \$1,000):							
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$340	\$60	\$100	\$0	\$0	\$0	\$500

CIP Number: P2540

PROJECT SCHEDULE:

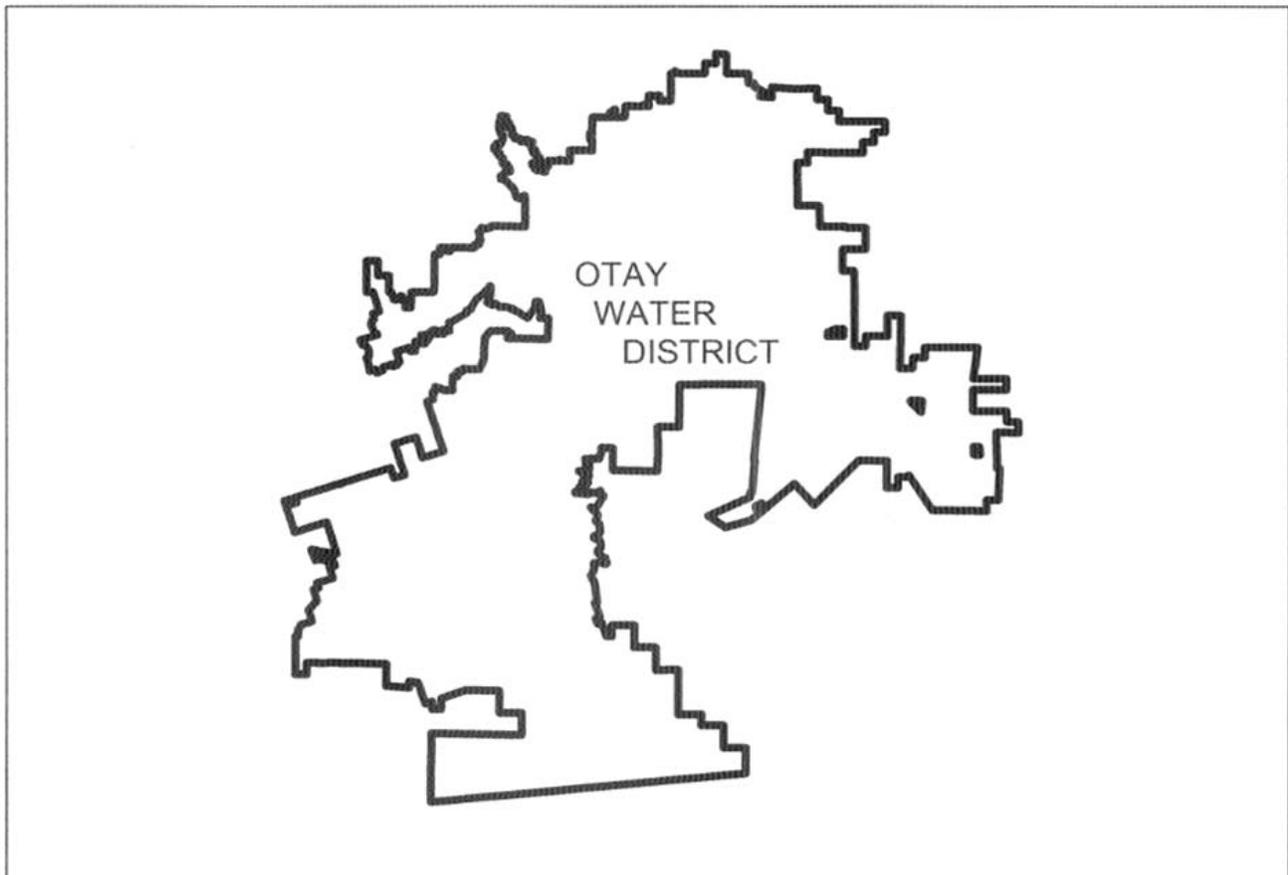
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2013	6/30/2017	\$500

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book:



Submitted By: Rita Bell

Date: 4/29/2015

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

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2541

PROJECT SCHEDULE:

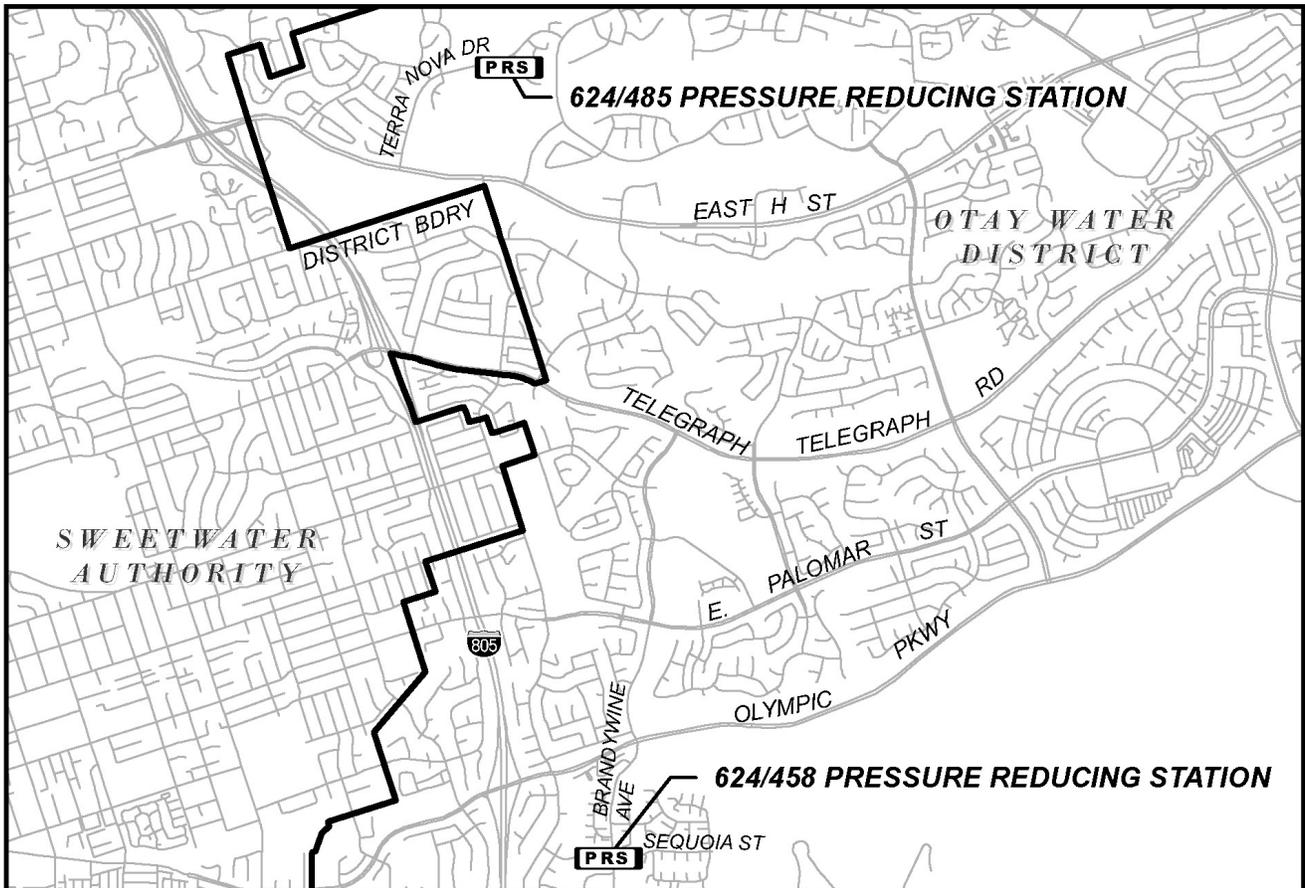
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2013	8/1/2013	\$2
DESIGN:	8/1/2013	7/1/2015	\$220
CONSTRUCTION:	7/1/2015	6/30/2016	\$528

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 127



Submitted By: Jolene Fielding

Date: 5/7/2015

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

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: \$60,000

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

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

COMMENTS:
\$1,000 for Permit
\$14,600 for each Charging Station with dual power docks (2 total)
\$15,000 Installation
\$5,000 for Conduit

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$11	\$1	\$43	\$5	\$0	\$0	\$0
							\$60

CIP Number: P2547

PROJECT SCHEDULE:

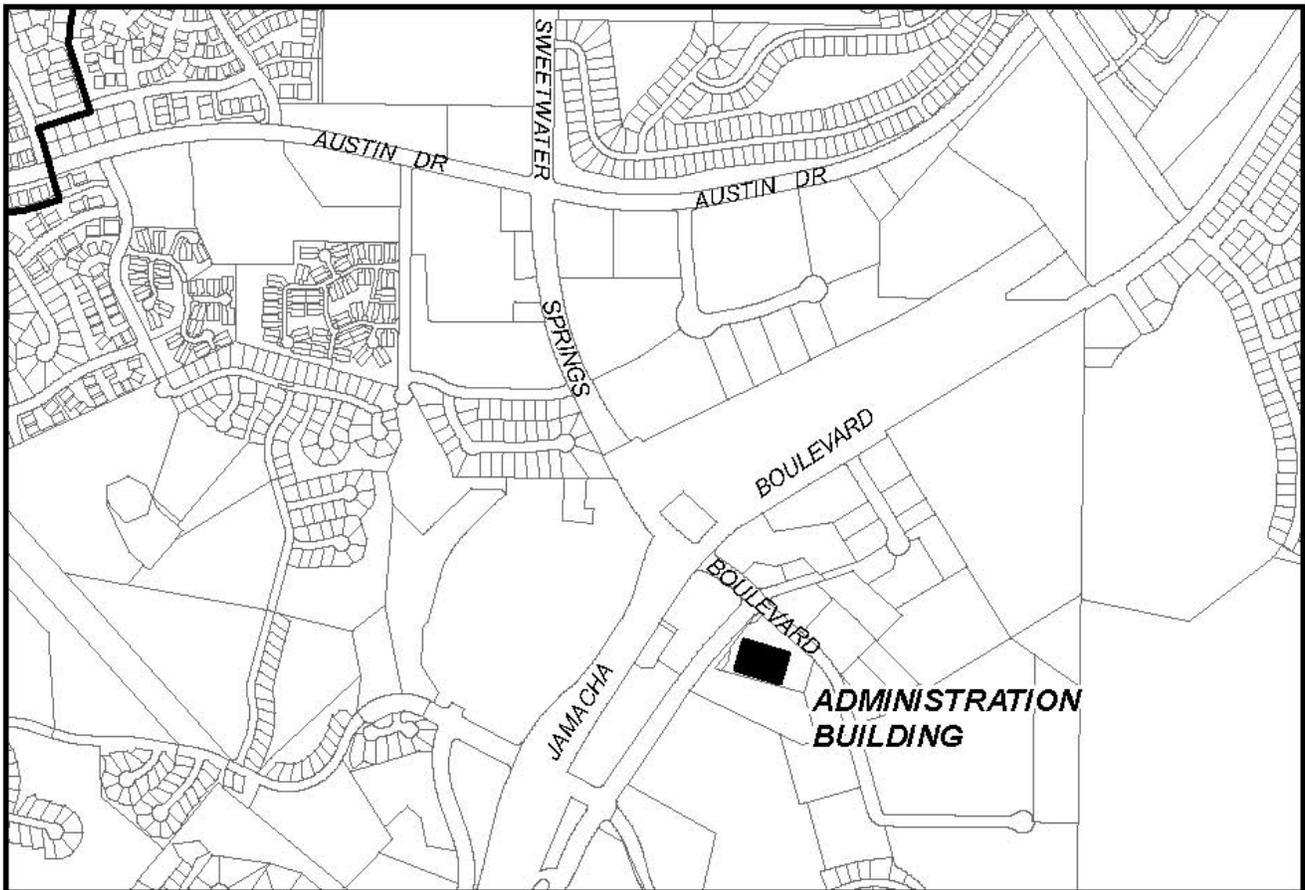
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2014	6/30/2015	\$10
DESIGN:	7/1/2015	6/30/2016	\$10
CONSTRUCTION:	7/1/2016	6/30/2018	\$40

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 318



Submitted By: Jolene Fielding

Date: 5/11/2015

PROJECT TITLE: Sump Pump Installation at the 980-1 & 2 Reservoirs

CIP Number: P2548

DIRECTOR DIVISION: 5

PROJECT MANAGER: Don Anderson

I.D. LOCATION: 22/27

ORIGINAL APPROVED DATE:

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$35,000

DESCRIPTION OF PROJECT:

Install power for sump pumps in two altitude valve vaults located at the 980-1 & 2 Reservoirs.

JUSTIFICATION OF PROJECT:

The vaults constantly fill up with ground water and staff needs to pump the water out, by adding an electric sump pump it will pump the water out of the vaults automatically.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2548

PROJECT SCHEDULE:

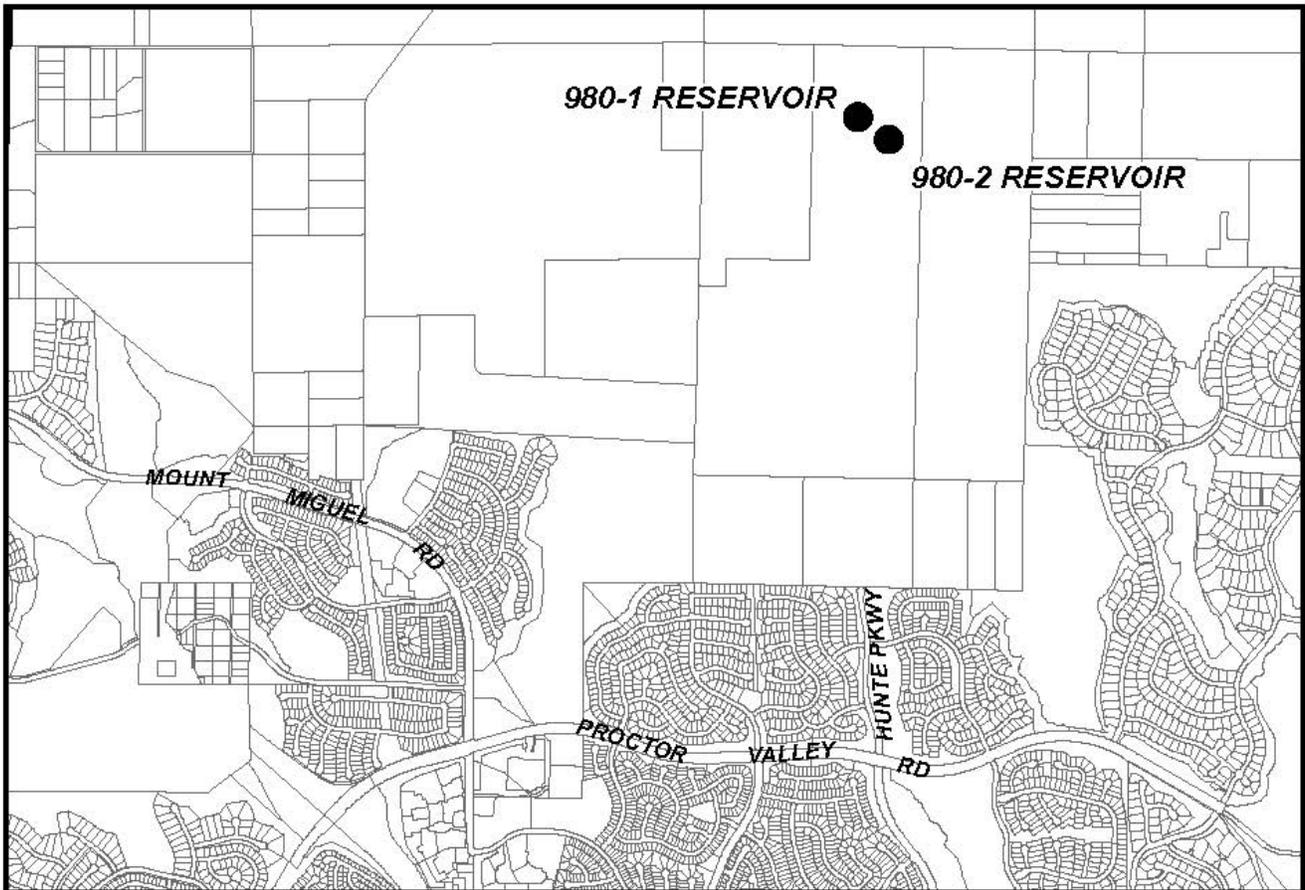
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2014	9/30/2014	\$0
DESIGN:	10/1/2014	3/31/2015	\$0
CONSTRUCTION:	4/1/2014	6/30/2015	\$35

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 172



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: Fuel System Upgrade

CIP Number: P2549

DIRECTOR DIVISION: 3

PROJECT MANAGER: Kent Payne

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 1

RELATED CIP PROJECTS: P2550

BUDGET AMOUNT: \$30,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2549

PROJECT SCHEDULE:

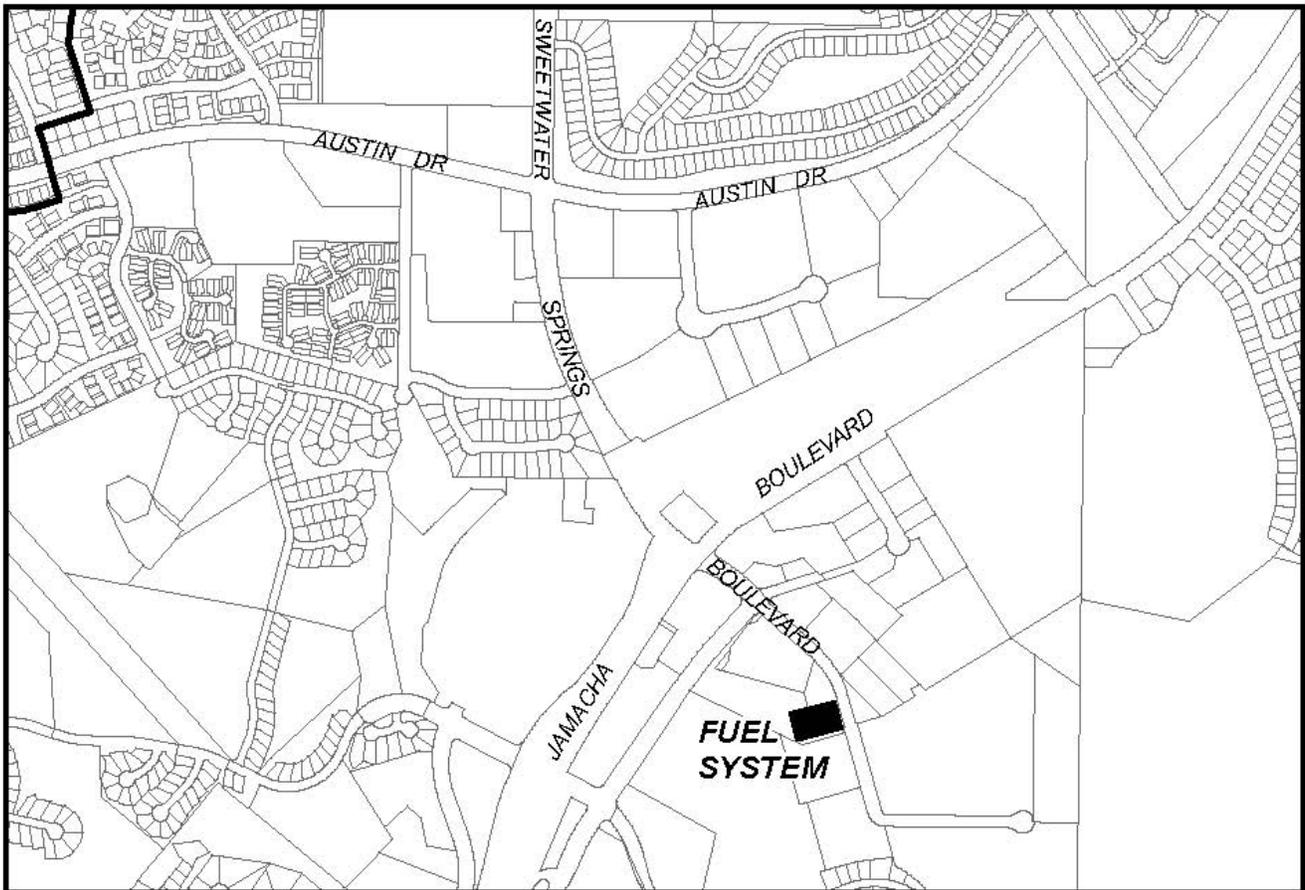
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	6/1/2015	7/31/2015	\$1
DESIGN:	8/1/2015	9/30/2015	\$1
CONSTRUCTION:	10/1/2015	12/31/2015	\$28

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 318



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: Blossom Lane Helix WD and Otay WD Interconnection

CIP Number: P2551

DIRECTOR DIVISION: 3

PROJECT MANAGER: Stephen Beppler

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS: P2552

BUDGET AMOUNT: \$200,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

Upgrade interconnection to current standards.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2551

PROJECT SCHEDULE:

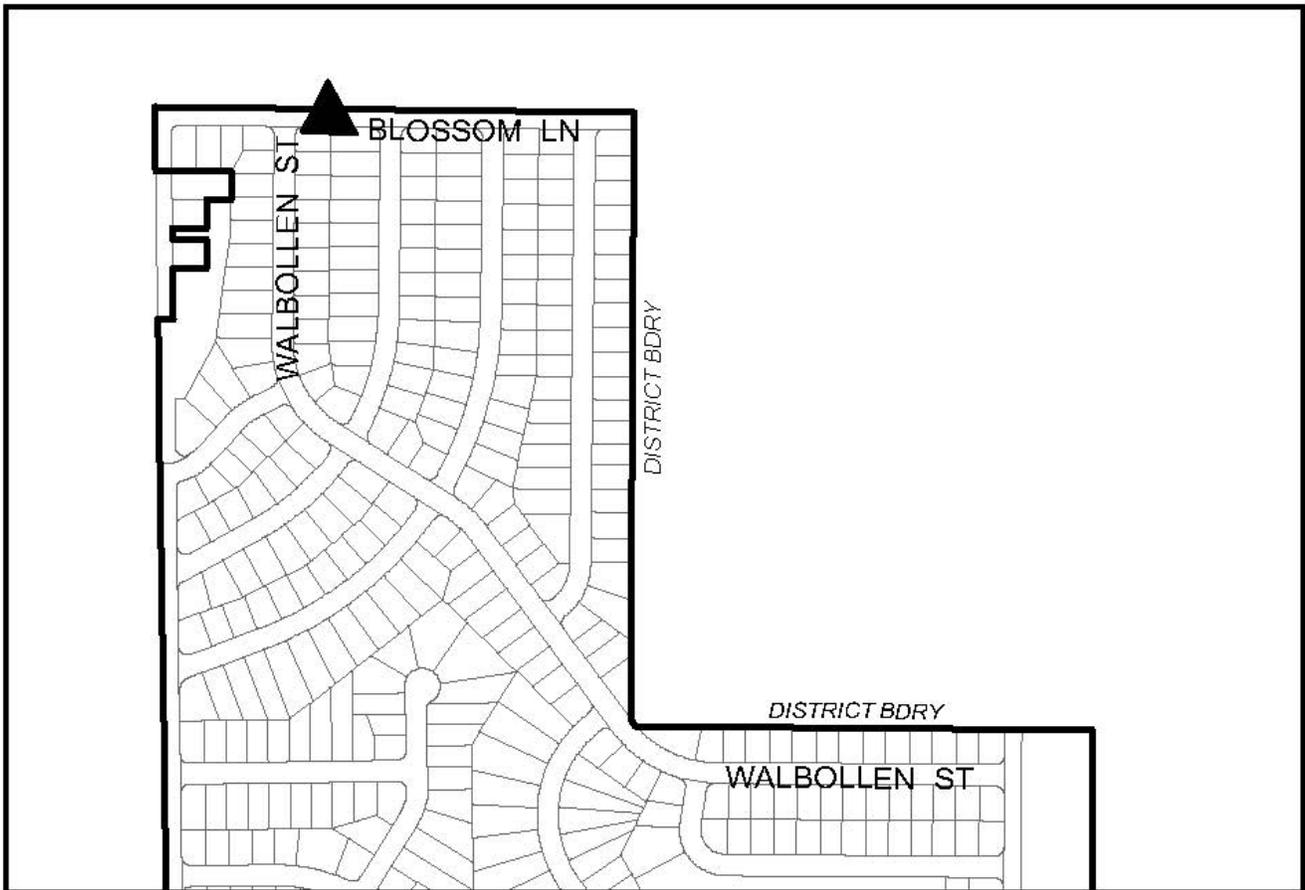
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2014	6/1/2015	\$5
DESIGN:	7/1/2015	3/1/2016	\$25
CONSTRUCTION:	3/1/2016	9/1/2016	\$170

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 315



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: South Barcelona Helix WD and Otay WD Interconnection

CIP Number: P2552

DIRECTOR DIVISION: 3

PROJECT MANAGER: Stephen Beppler

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS: P2551

BUDGET AMOUNT: \$200,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

To upgrade the existing interconnection to meet current standards.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2552

PROJECT SCHEDULE:

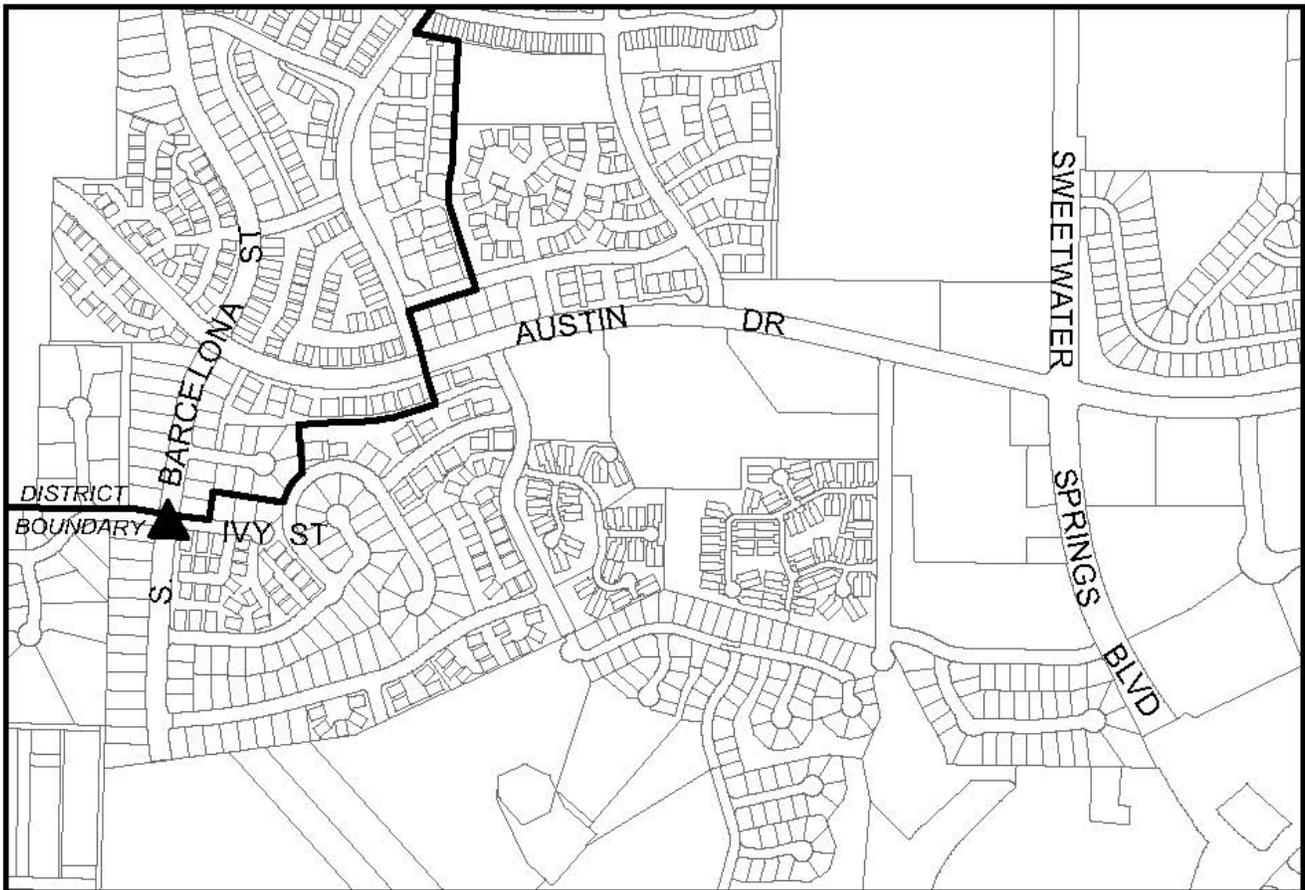
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2014	9/1/2014	\$5
DESIGN:	7/1/2015	3/1/2016	\$30
CONSTRUCTION:	3/1/2016	9/1/2016	\$165

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 317



Submitted By: Jolene Fielding

Date: 5/7/2015

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE: 640/340 PRS at Energy Way and Nirvana Avenue	CIP Number: P2554
PROJECT MANAGER: Jeff Marchioro	DIRECTOR DIVISION: 2
ORIGINAL APPROVED DATE:	I.D. LOCATION: 22
RELATED CIP PROJECTS: P2405	PRIORITY: 2
	BUDGET AMOUNT: \$400,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2554

PROJECT SCHEDULE:

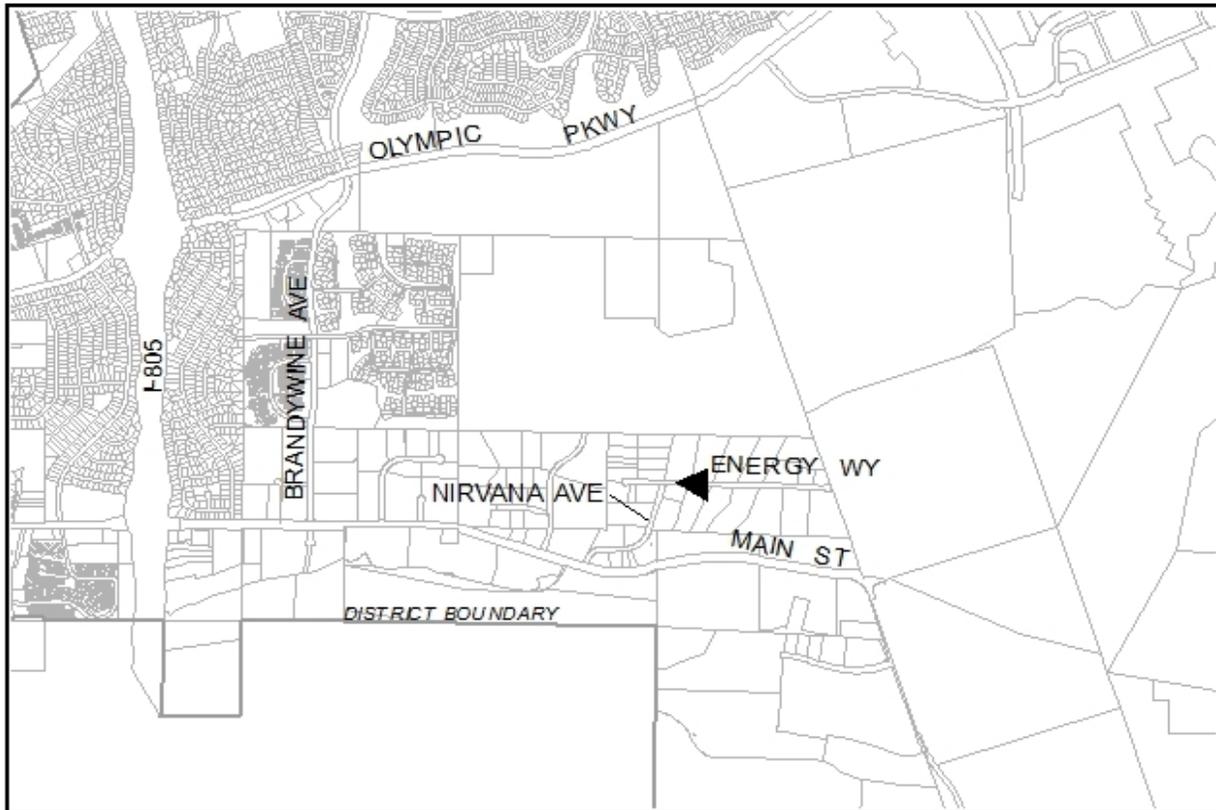
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	6/30/2017	\$20
DESIGN:	7/1/2017	6/30/2018	\$75
CONSTRUCTION:	7/1/2018	6/30/2020	\$305

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 050



Submitted By: Jolene Fielding

Date: 5/11/2015

PROJECT TITLE: Administration and Operations Parking Lot Improvements

CIP Number: P2555

DIRECTOR DIVISION: 3

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$500,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2555

PROJECT SCHEDULE:

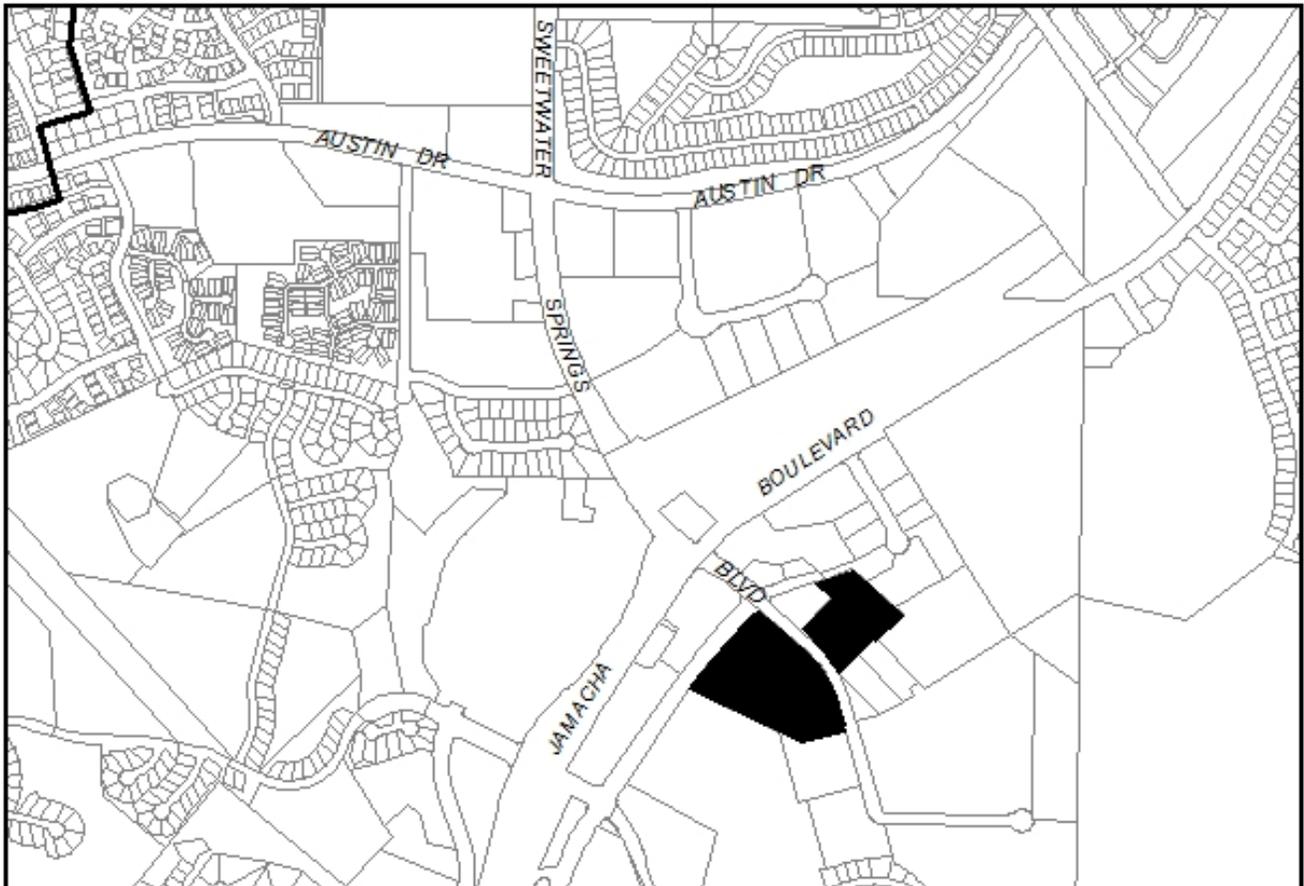
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	6/30/2016	\$10
DESIGN:	7/1/2016	6/30/2018	\$75
CONSTRUCTION:	7/1/2018	6/30/2021	\$415

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 318



Submitted By: Jolene Fielding

Date: 5/7/2015

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

CIP Number: P2561

DIRECTOR DIVISION: 5

PROJECT MANAGER: Jeff Marchioro

I.D. LOCATION: 22/27

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$1,800,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2561

PROJECT SCHEDULE:

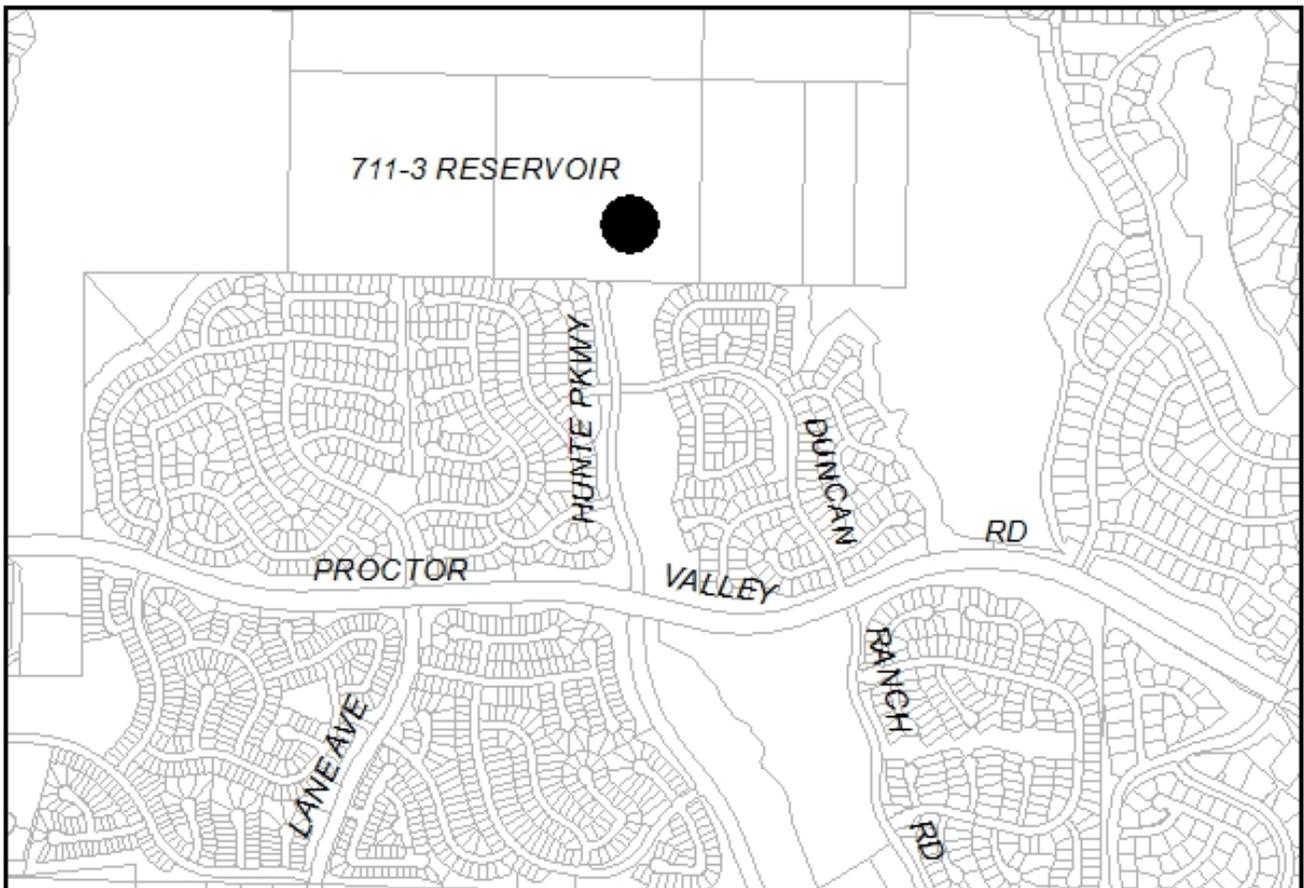
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	6/30/2017	\$10
DESIGN:	1/1/2017	9/30/2017	\$90
CONSTRUCTION:	10/1/2017	6/30/2018	\$1,700

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 159



Submitted By: Jolene Fielding

Date: 5/6/2015

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

CIP Number: P2562

DIRECTOR DIVISION: 2

PROJECT MANAGER: Jeff Marchioro

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 3

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$2,600,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2562

PROJECT SCHEDULE:

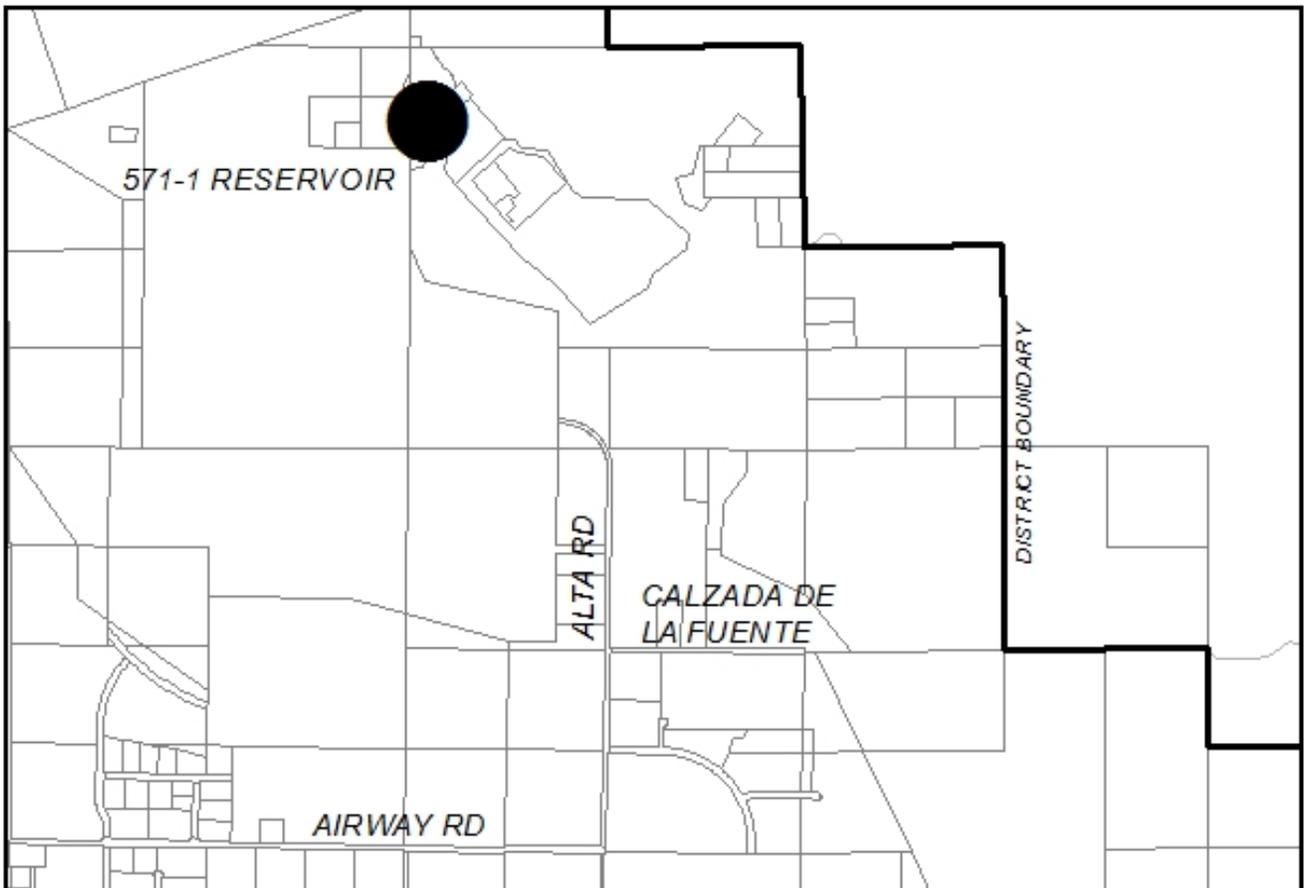
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	6/30/2019	\$10
DESIGN:	1/1/2019	9/30/2019	\$100
CONSTRUCTION:	10/1/2019	6/30/2020	\$2,490

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 55



Submitted By: Jolene Fielding

Date: 5/7/2015

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

CIP Number: P2563

DIRECTOR DIVISION: 2

PROJECT MANAGER: Jeff Marchioro

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 3

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$1,000,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2563

PROJECT SCHEDULE:

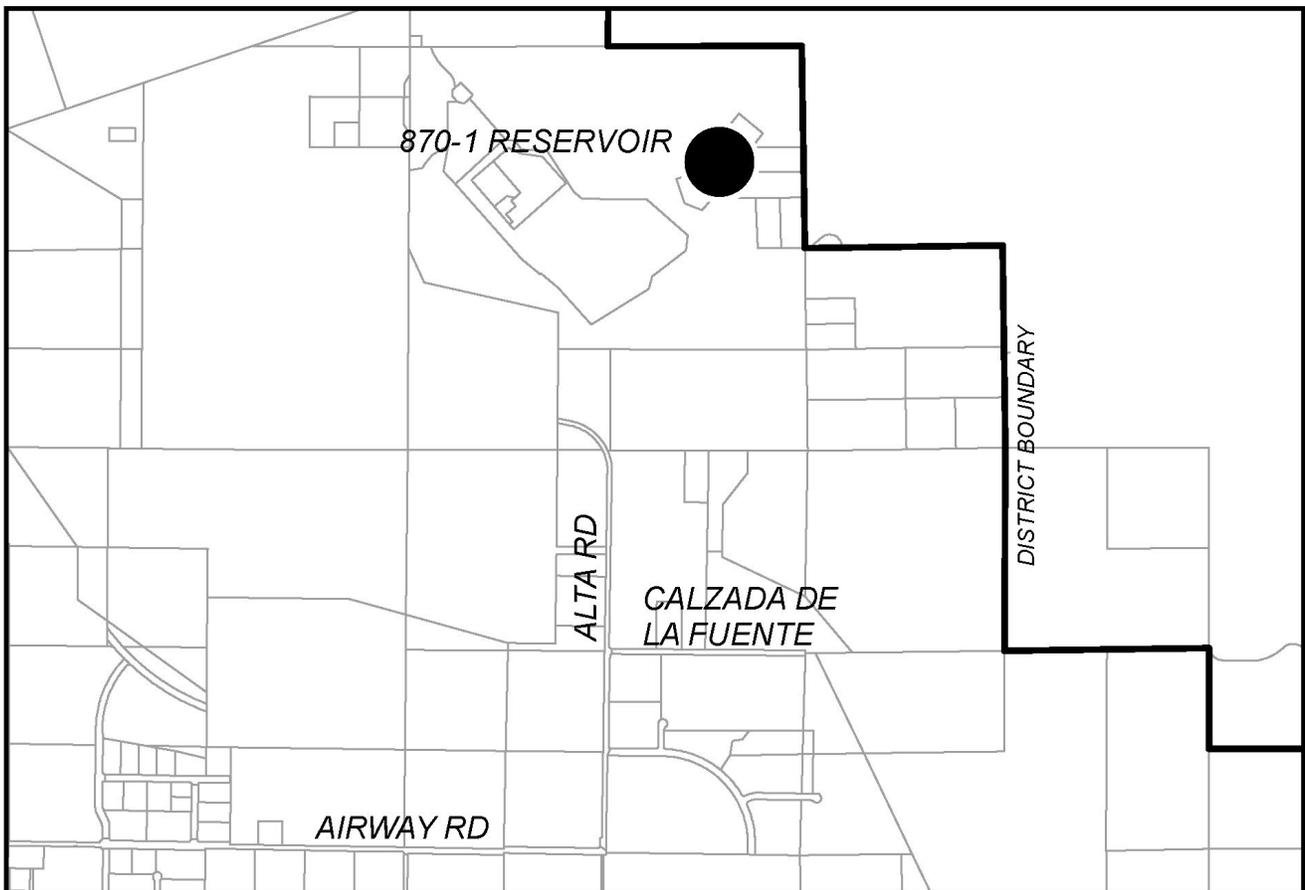
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	6/30/2020	\$10
DESIGN:	1/1/2020	9/30/2020	\$100
CONSTRUCTION:	10/1/2020	6/30/2021	\$890

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 55



Submitted By: Jolene Fielding

Date: 5/7/2015

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

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

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2568

PROJECT SCHEDULE:

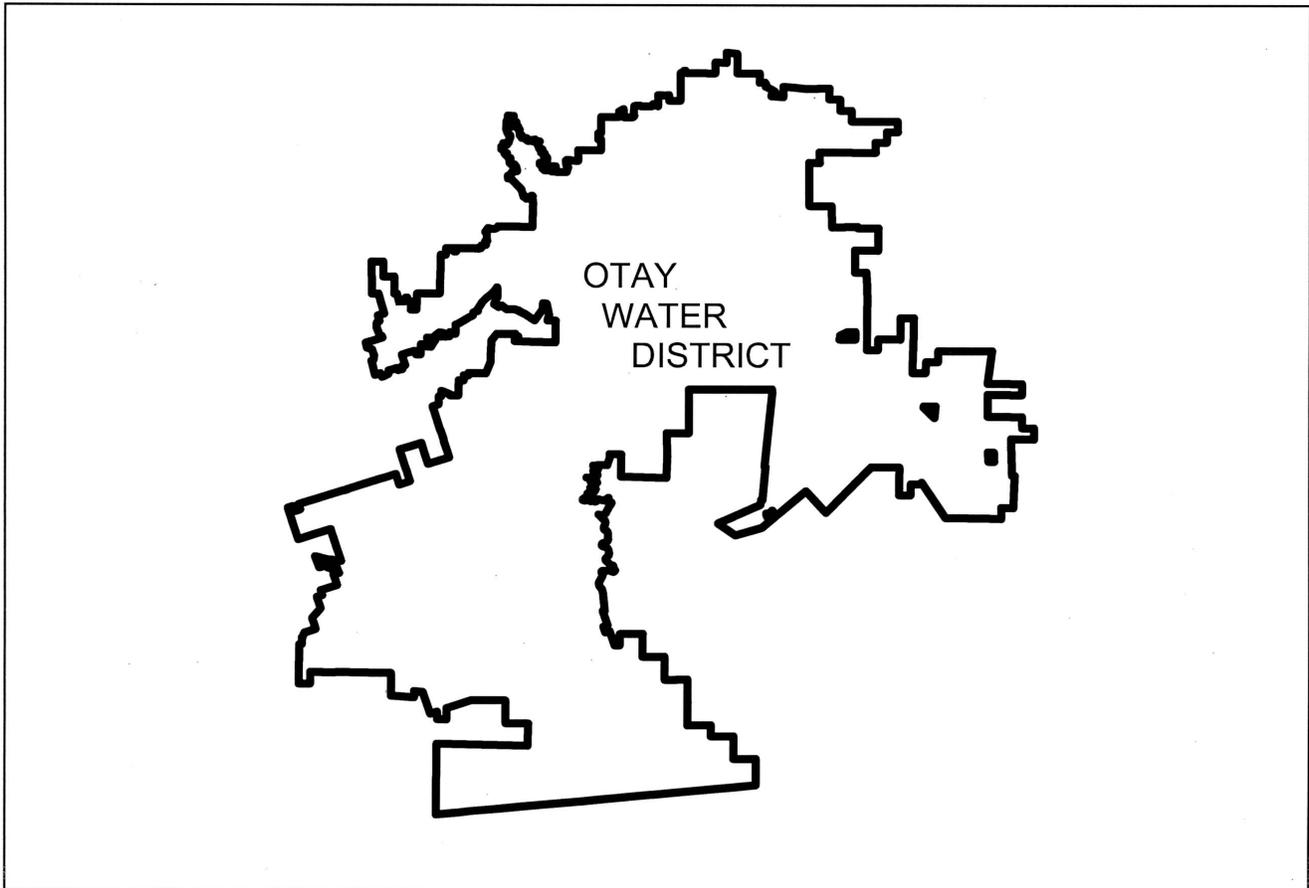
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2015	6/30/2017	\$115

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/6/2015

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

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

JUSTIFICATION OF PROJECT:

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

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

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

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

Cost - \$100,000

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2569

PROJECT SCHEDULE:

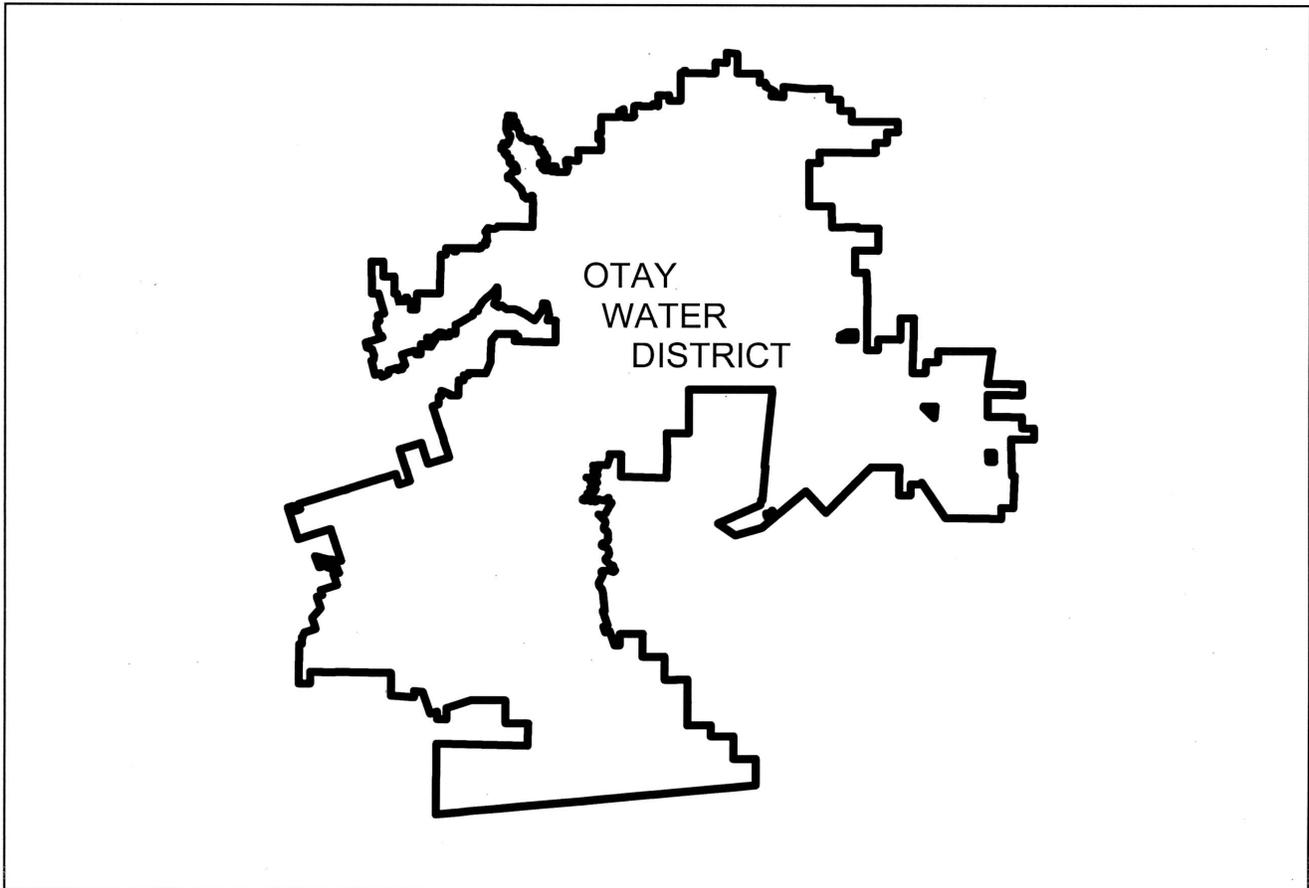
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	6/30/2016	\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2015	6/30/2016	\$100

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: SCADA Equipment & Infrastructure Enhancement

CIP Number: P2570

PROJECT MANAGER: Michael Kerr

DIRECTOR DIVISION: 0

ORIGINAL APPROVED DATE: 7/1/2017

I.D. LOCATION: District Wide

RELATED CIP PROJECTS:

PRIORITY: 2

BUDGET AMOUNT: \$300,000

DESCRIPTION OF PROJECT:

SCADA Equipment & Infrastructure Enhancement.

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY							
TOTAL	2016	2017	2018	2019	2020	2021	Total	
	\$0	\$0	\$100	\$100	\$100	\$0	\$0	\$300

CIP Number: P2570

PROJECT SCHEDULE:

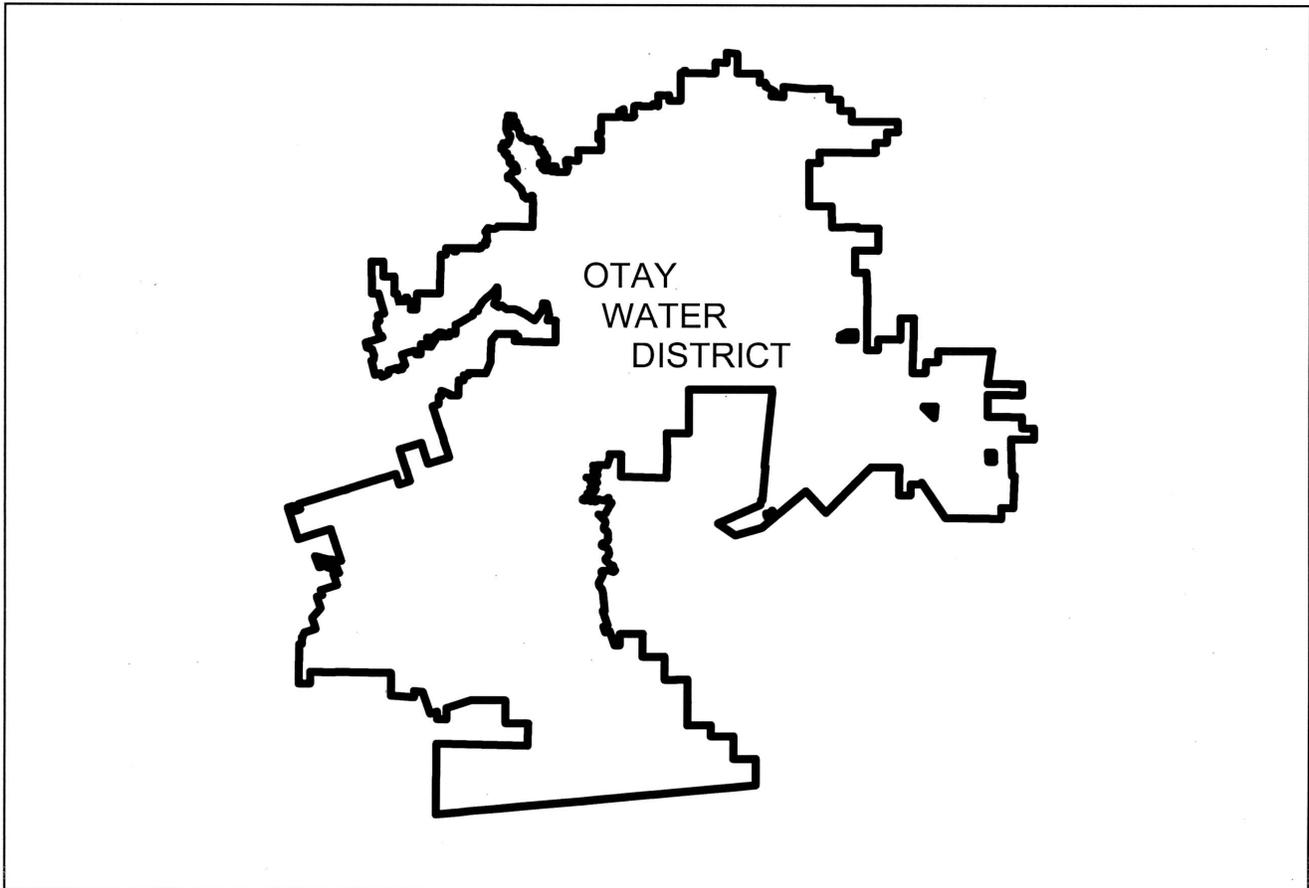
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2016	6/30/2019	\$300

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book:



Submitted By: Rita Bell

Date: 5/8/2015

PROJECT TITLE: Datacenter Network Enhancement & Replacement of Infrastructure Components

CIP Number: P2571

PROJECT MANAGER: Michael Kerr

DIRECTOR DIVISION: 0

ORIGINAL APPROVED DATE: 7/7/2018

I.D. LOCATION: District Wide

RELATED CIP PROJECTS:

PRIORITY: 2

BUDGET AMOUNT: \$200,000

DESCRIPTION OF PROJECT:

Data Center Network Enhancement & Replacement of Infrastructure Components.

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2571

PROJECT SCHEDULE:

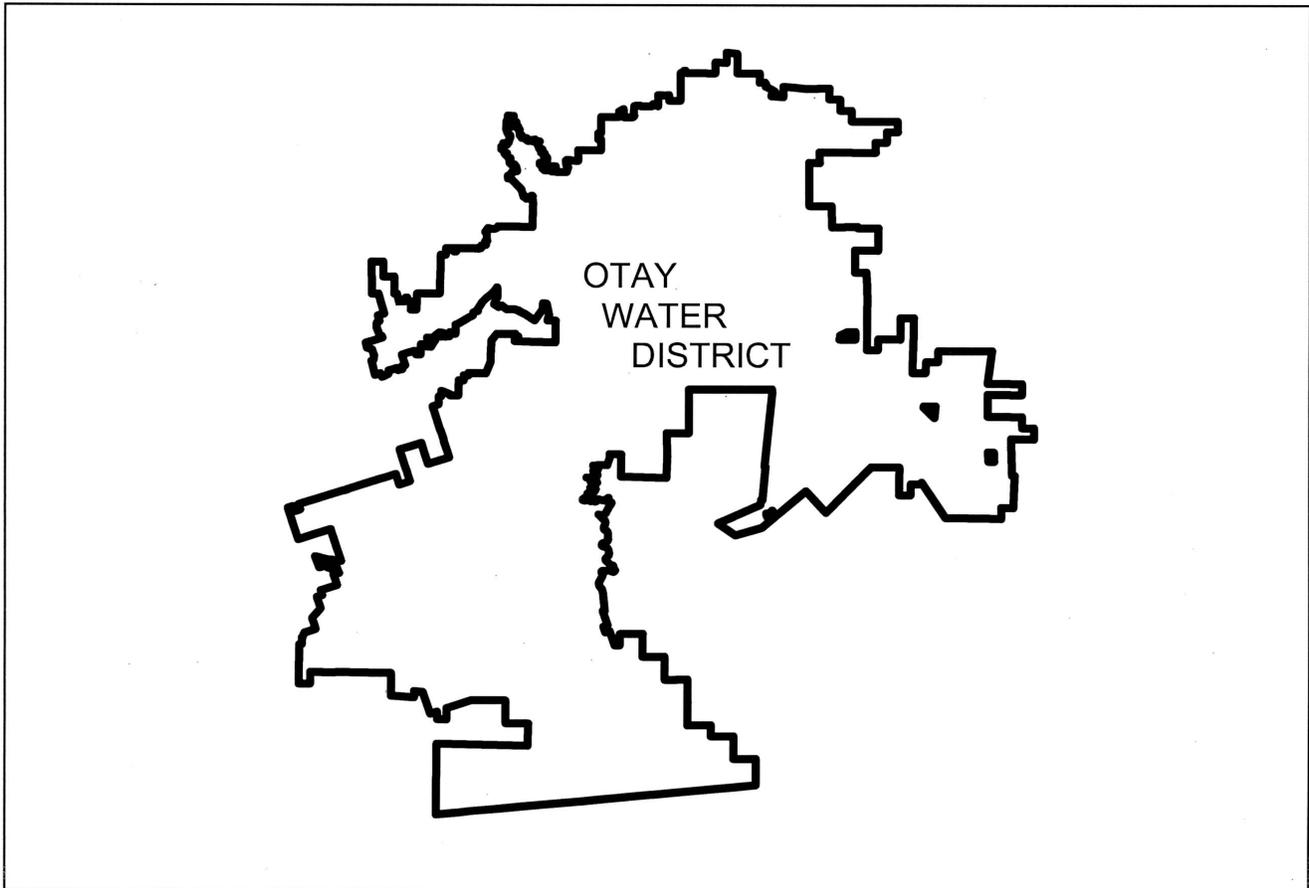
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2018	6/30/2020	\$200

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/7/2015

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE: Enterprise Resource Planning (ERP) Replacement	CIP Number: P2572
PROJECT MANAGER: Micheal 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:
Enterprise Resource Planning Replacement.

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2572

PROJECT SCHEDULE:

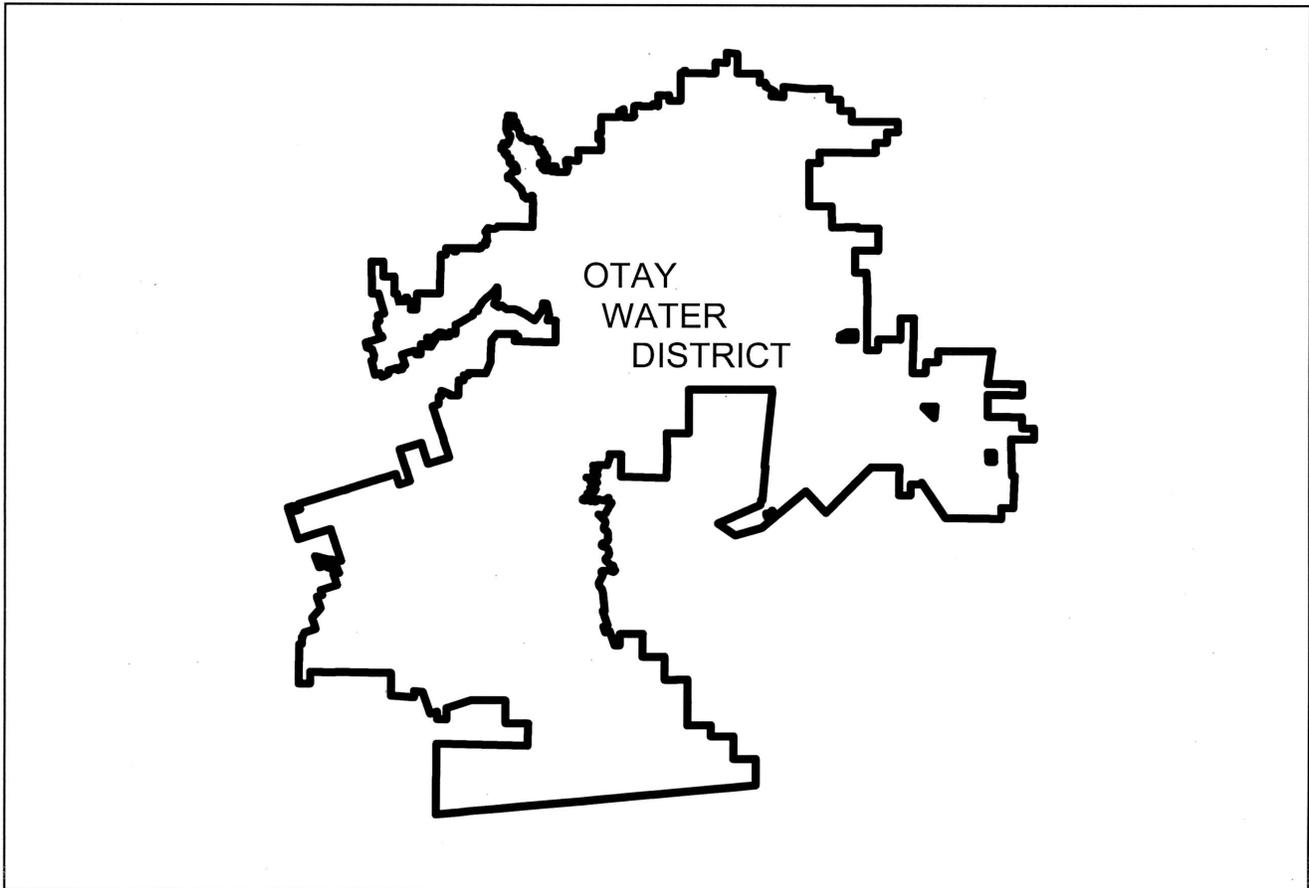
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2020	6/30/2022	\$0

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/11/2015

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

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

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

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$2,805	\$5	\$20	\$20	\$0	\$0	\$0
	\$5	\$20	\$20	\$0	\$0	\$0	\$2,850

CIP Number: R2077

PROJECT SCHEDULE:

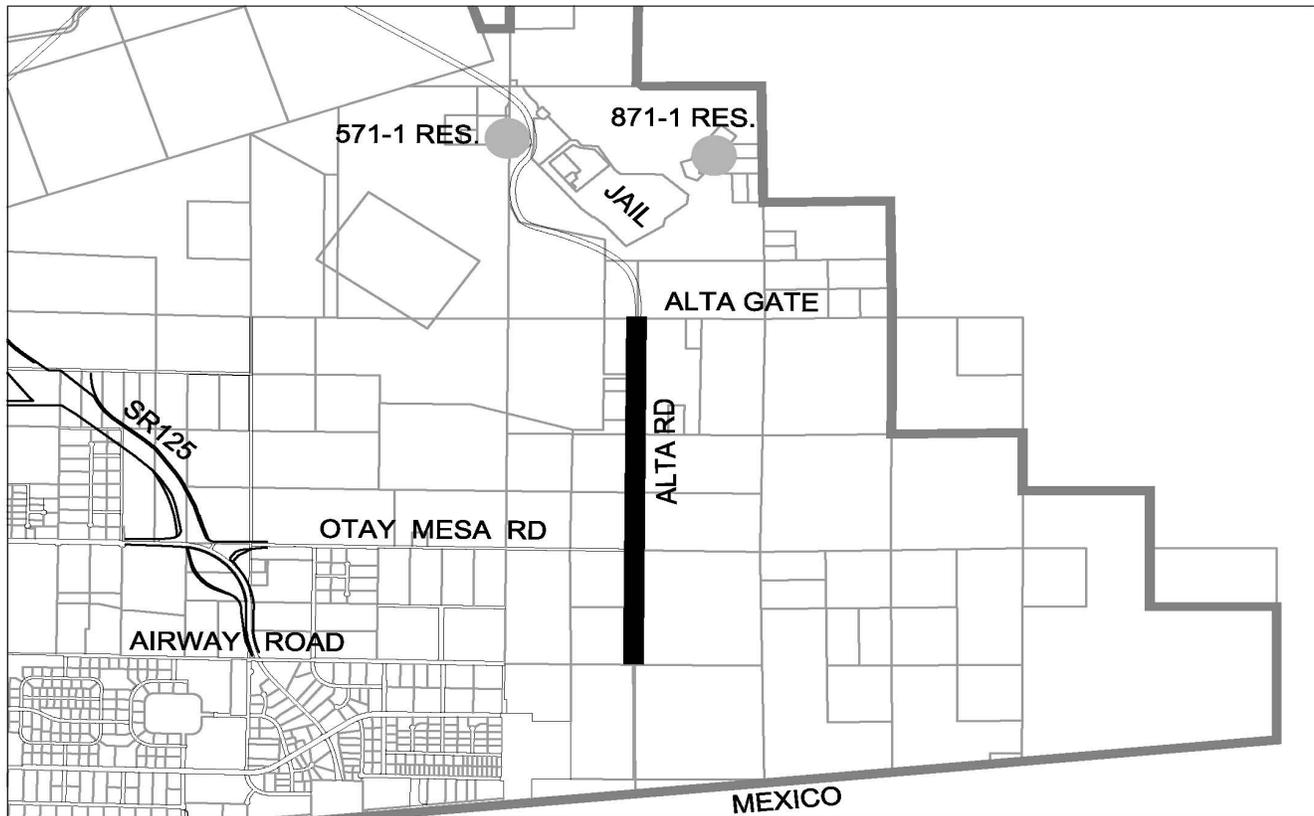
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2001	12/1/2009	\$164
DESIGN:	1/1/2010	6/30/2019	\$451
CONSTRUCTION:	7/1/2019	12/31/2020	\$3,885

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 39



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: RecPL - 24-Inch, 927 Zone, Wueste Road - Olympic/Otay WTP		CIP Number: R2087					
PROJECT MANAGER: Kevin Cameron		DIRECTOR DIVISION: 1		I.D. LOCATION: 22		PRIORITY: 1	
ORIGINAL APPROVED DATE: 5/23/2006		RELATED CIP PROJECTS: R2048, R2058, R2077		BUDGET AMOUNT: \$7,000,000			
DESCRIPTION OF PROJECT:							
Construction of approximately 15,100 feet of 24-inch pipeline within the 927 Pressure Zone in Wueste Road from Olympic Parkway to near the existing City of San Diego Otay WTP. This project will be constructed as part of the Otay Mesa Recycled Water System Supply Link.							
JUSTIFICATION OF PROJECT:							
This project will provide transmission capacity for development of Otay Mesa and is a part of the link to the 927 Pressure Zone supply to the planned 860-1 Reservoir within the Otay Mesa recycled water system. Funding opportunity is the United States Bureau of Reclamation Water Reclamation and Reuse Program, Title XVI of P.L. 102-575.							
COMMENTS:							
Temporary moratorium enacted for Otay Mesa recycled water in July 2014, will be revisited in about a year. In the meanwhile, putting a hold on all recycled water projects in Otay Mesa.							
FUND DETAILS:							
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total		
Expansion	100 %	0 %	0 %	0 %	100 %		
TOTAL:	100 %	0 %	0 %	0 %	100 %		
EXPENDITURE SCHEDULE (X \$1,000):							
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2016	2017	2018	2019	2020	2021	Total
\$1,050	\$0	\$0	\$0	\$0	\$0	\$0	\$1,050

CIP Number: R2087

PROJECT SCHEDULE:

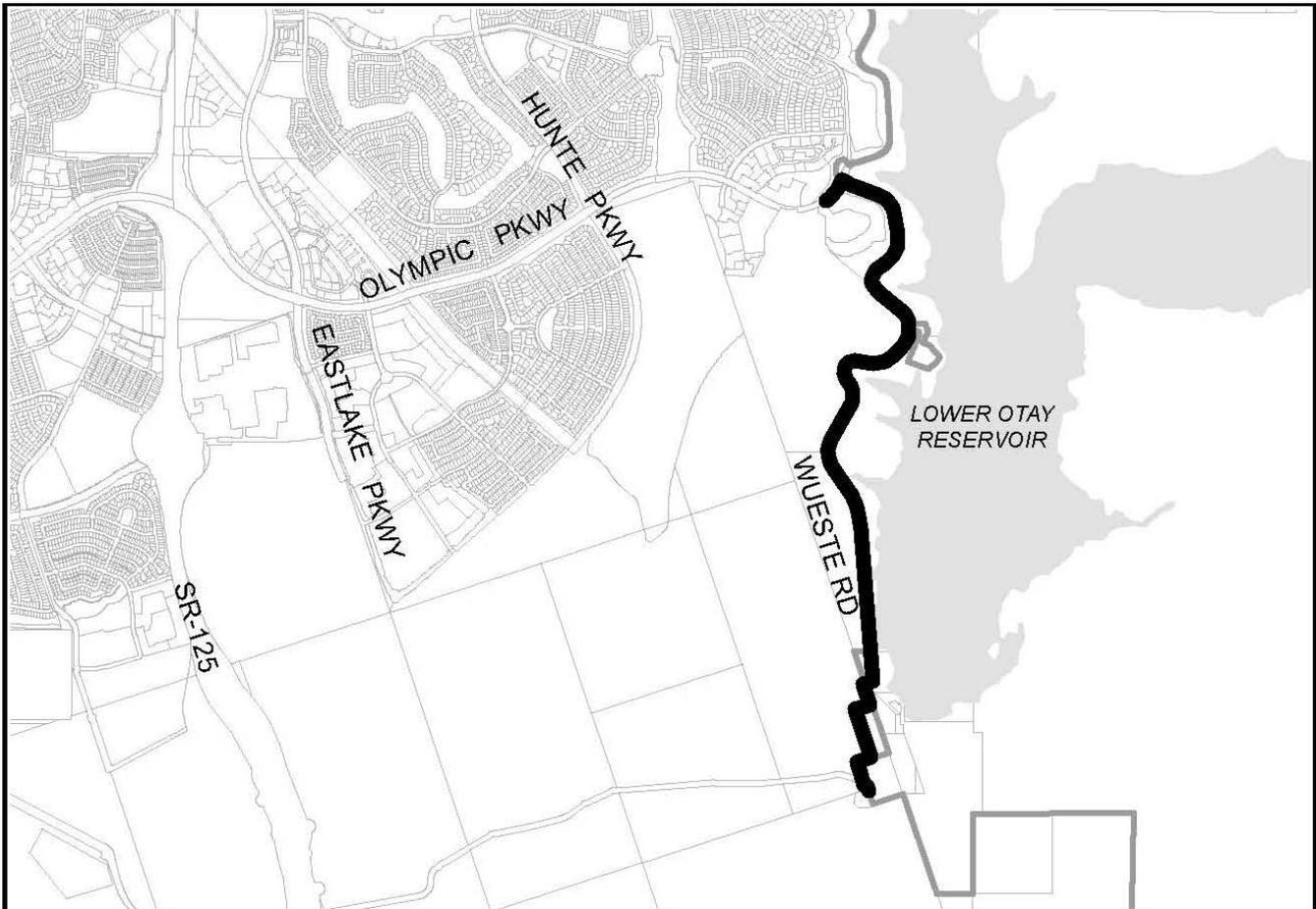
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	9/1/2006	12/1/2009	\$180
DESIGN:	1/1/2010	6/30/2019	\$765
CONSTRUCTION:	7/1/2016	12/31/2022	\$6,055

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 85



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: RWCWRF Screening Compactor and Chlorine Injectors Enclosure

CIP Number: R2107

PROJECT MANAGER: Jake Vaclavek

DIRECTOR DIVISION: 3

ORIGINAL APPROVED DATE: 5/15/2011

I.D. LOCATION: 22

RELATED CIP PROJECTS:

PRIORITY: 2

BUDGET AMOUNT: \$215,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

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

COMMENTS:

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

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: R2107

PROJECT SCHEDULE:

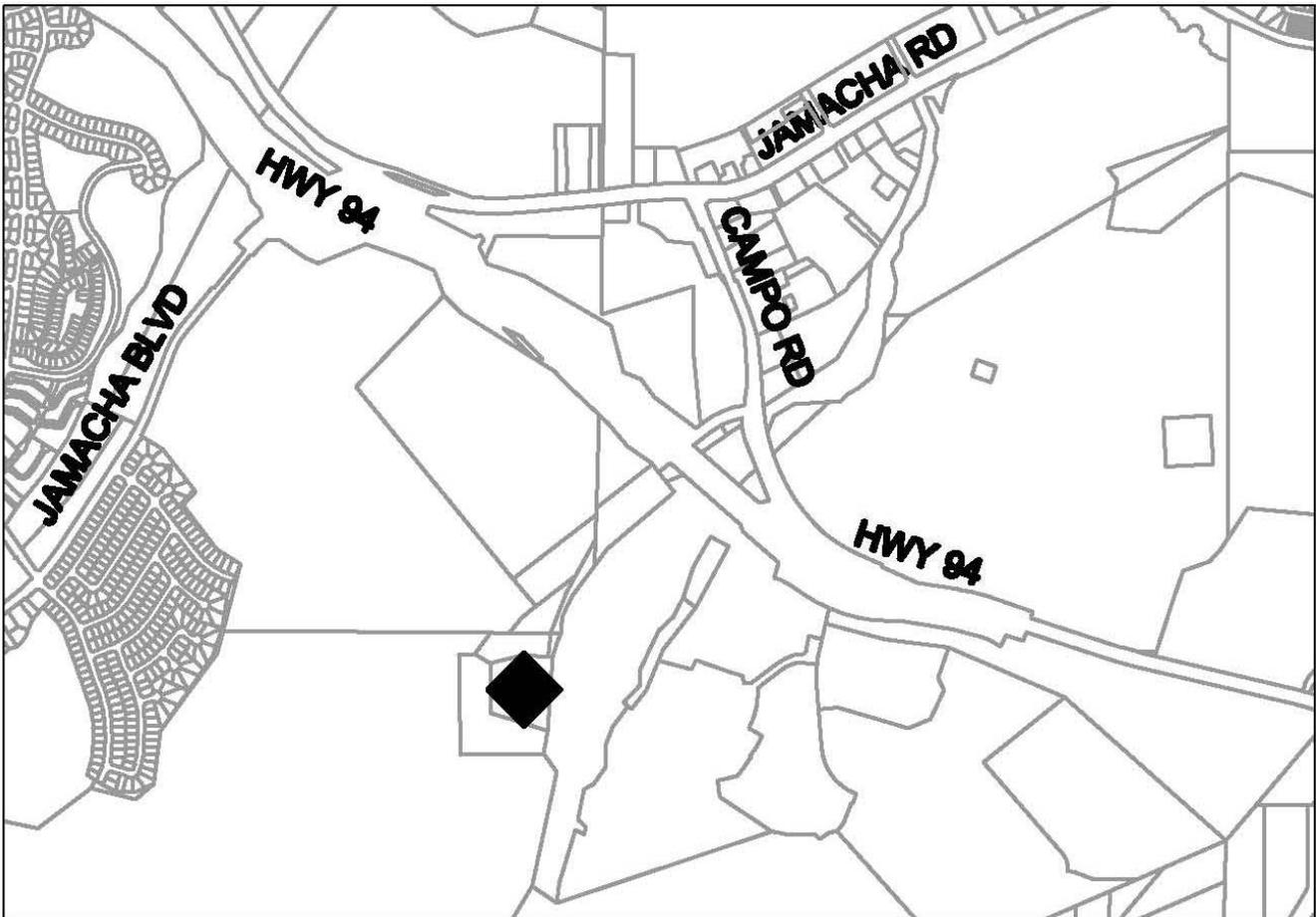
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2012	12/31/2015	\$215

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 319



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: Res - 927-1 Reservoir Cover Replacement

CIP Number: R2108

DIRECTOR DIVISION: 5

PROJECT MANAGER: Jeff Marchioro

I.D. LOCATION: 22/27

ORIGINAL APPROVED DATE:

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$1,090,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: R2108

PROJECT SCHEDULE:

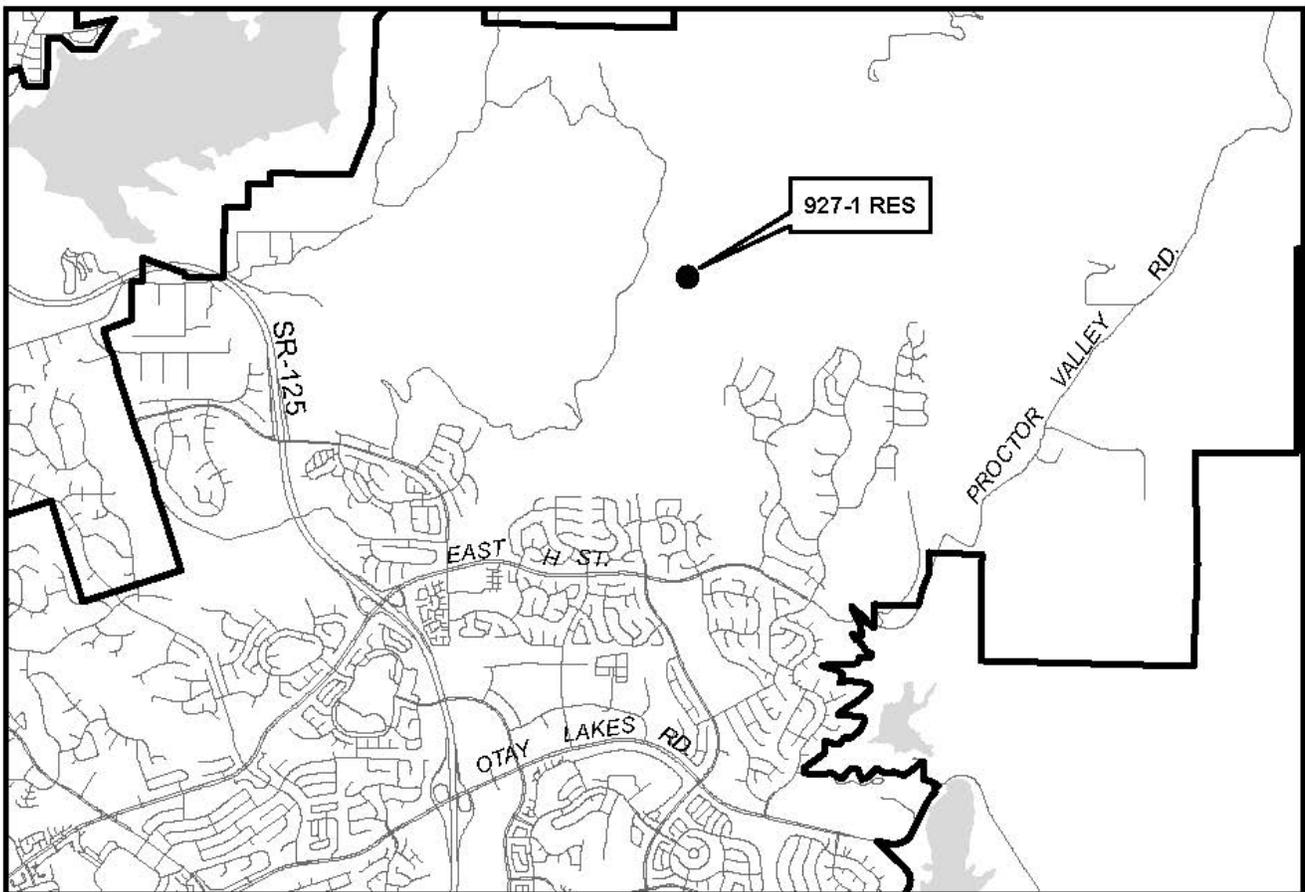
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2013	8/1/2013	\$5
DESIGN:	7/1/2013	11/6/2013	\$75
CONSTRUCTION:	11/6/2013	6/30/2016	\$1,010

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 172



Submitted By: Jolene Fielding

Date: 5/6/2015

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

CIP Number: R2110

DIRECTOR DIVISION: 1

PROJECT MANAGER: Jeff Marchioro

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 1

RELATED CIP PROJECTS: R2091

BUDGET AMOUNT: \$200,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: R2110

PROJECT SCHEDULE:

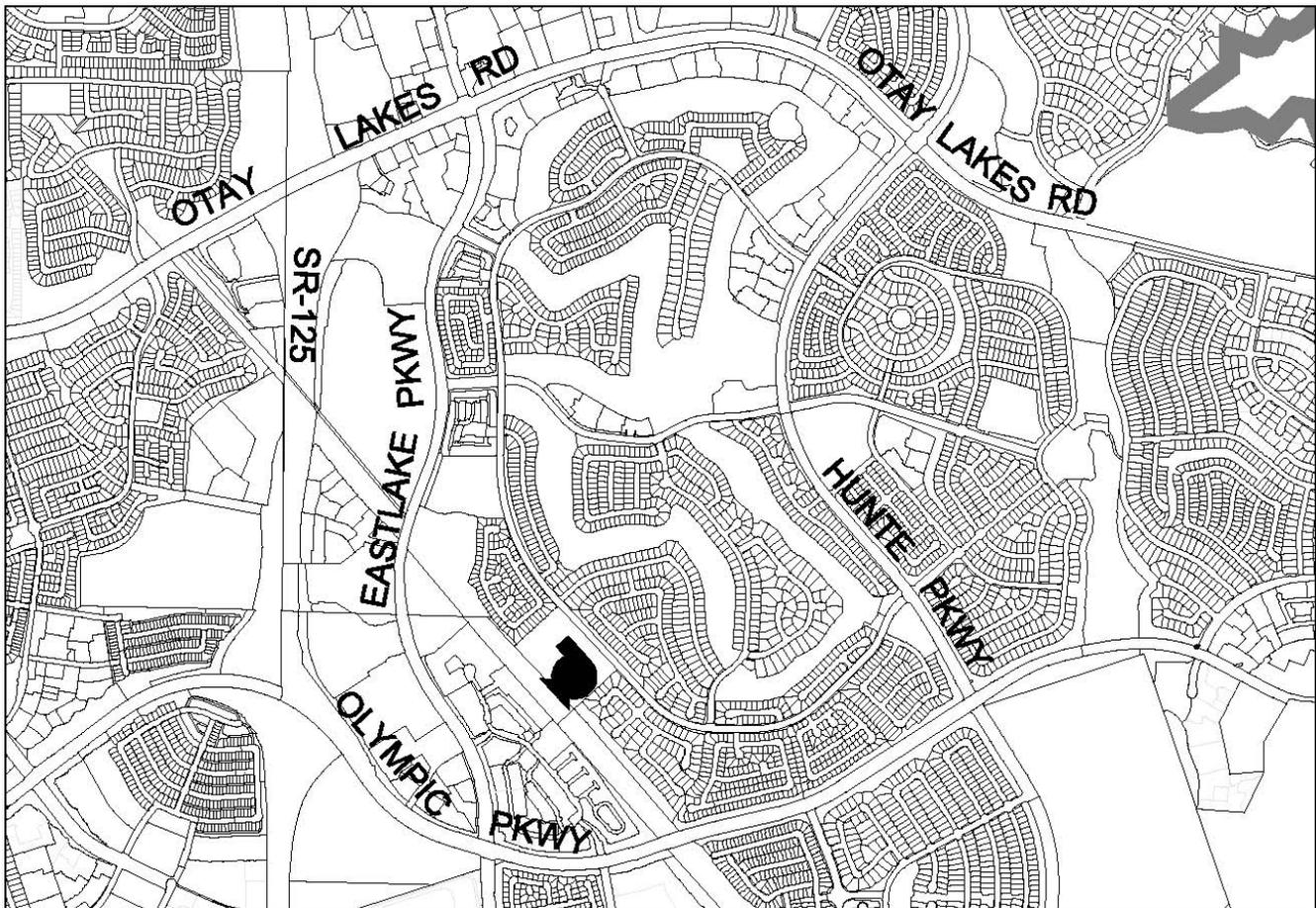
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2013	10/1/2013	\$60
DESIGN:	10/1/2013	9/30/2015	\$25
CONSTRUCTION:	9/30/2015	6/30/2018	\$115

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 115



Submitted By: Jolene Fielding

Date: 5/6/2015

PROJECT TITLE: Chlorine 1-ton Cylinder Emergency Close Valve

CIP Number: R2113

DIRECTOR DIVISION: 3

PROJECT MANAGER: Jake Vaclavek

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$37,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$3	\$0	\$0	\$0	\$0	\$0	\$3

CIP Number: R2113

PROJECT SCHEDULE:

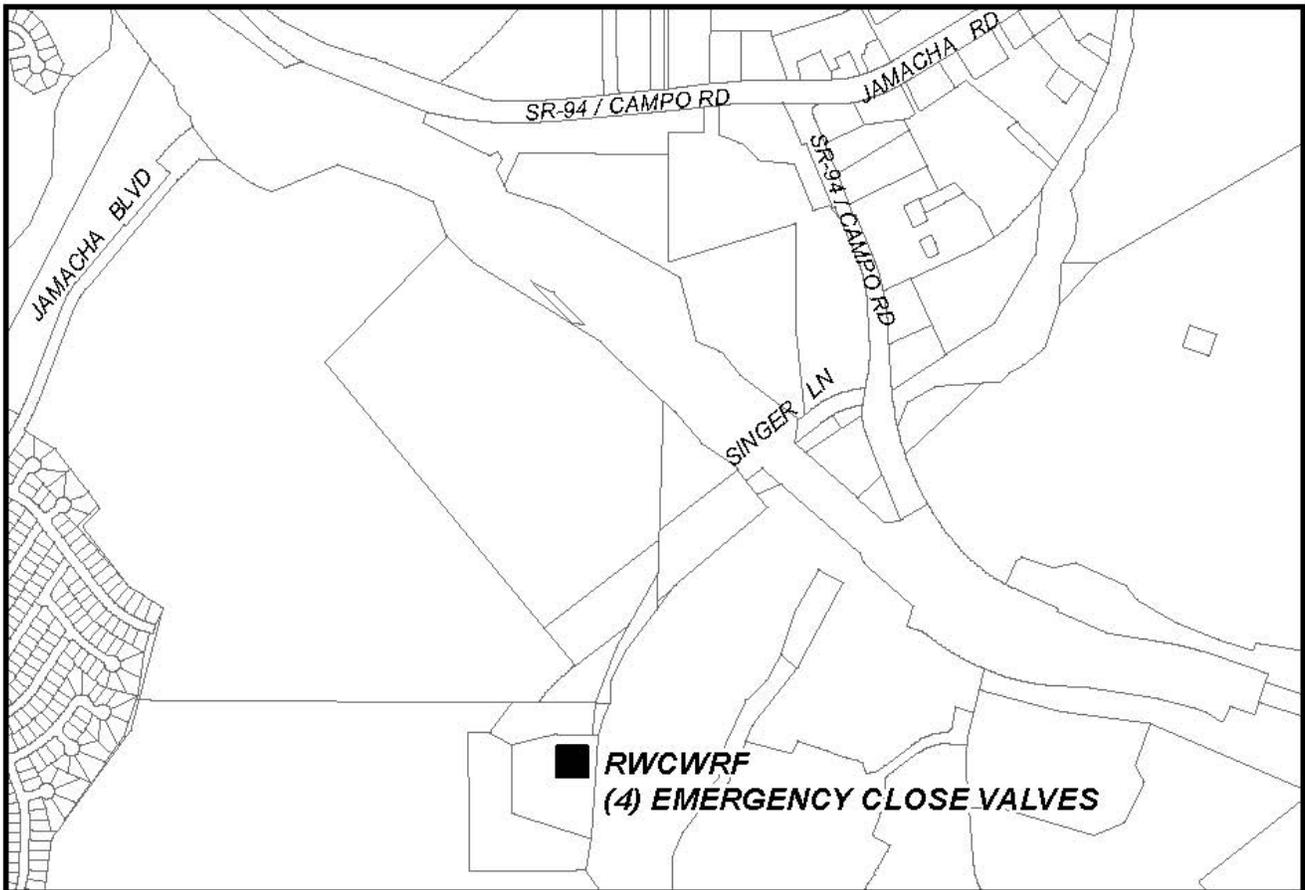
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2014	12/31/2015	\$37

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 319



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: Large Recycle Pump Replacement at the RWCWRF 927-1 Pump Station	CIP Number: R2114
PROJECT MANAGER: Don Anderson	DIRECTOR DIVISION: 3
ORIGINAL APPROVED DATE:	I.D. LOCATION: 22
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$120,000

DESCRIPTION OF PROJECT:

Replace large recycle pumps.

JUSTIFICATION OF PROJECT:

Pumps are old and corroded and have lost efficiency.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$80	\$40	\$0	\$0	\$0	\$0	\$120

CIP Number: R2114

PROJECT SCHEDULE:

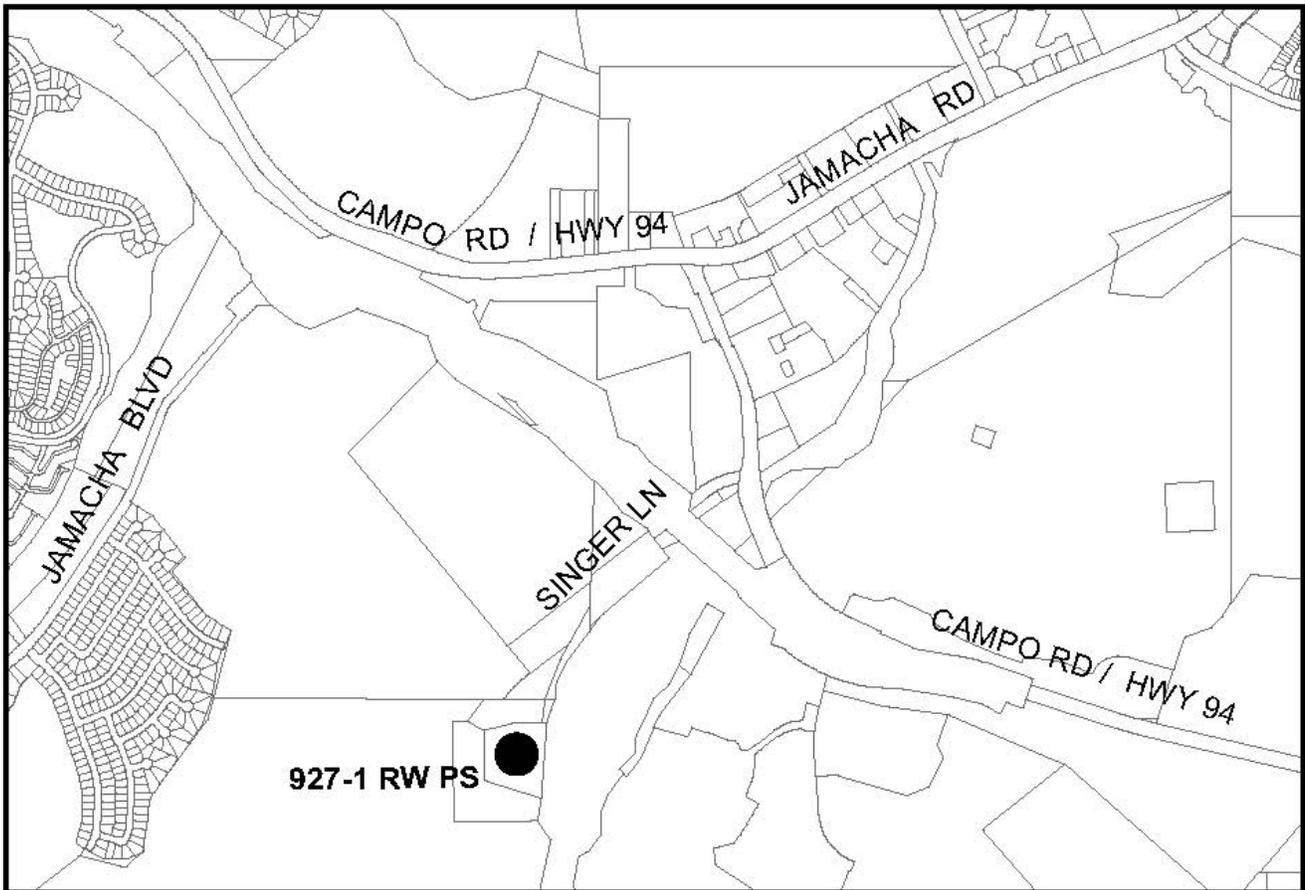
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2014	6/30/2016	\$120

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 319



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: RWCWRF Disinfection System Improvements		CIP Number: R2117					
PROJECT MANAGER: Stephen Beppler		DIRECTOR DIVISION: 3		I.D. LOCATION: 22		PRIORITY: 2	
ORIGINAL APPROVED DATE:		BUDGET AMOUNT: \$2,500,000					
RELATED CIP PROJECTS:							
DESCRIPTION OF PROJECT:							
<p>The RWCWRF does not have adequate chlorine contact basin volume to meet the San Diego RWQCB requirement for chlorine contact time (CT) for the recycled water produced from this facility, so it subsequently needs to use the 14-inch effluent force main to obtain the required CT. It is believed that the high chlorine dosage needed with this arrangement is adversely impacting the force main, its appurtenances, and the reservoir liners. If CT can be met within the plant, the chlorine residual leaving the plant can be lowered substantially. Alternatives being evaluated include additional contact basin volume, changing to ultraviolet (UV) disinfection and other options.</p>							
JUSTIFICATION OF PROJECT:							
<p>The District currently uses the existing 14-Inch CML force main to meet the required chlorine contact time resulting in a higher corrosion rate for facilities on this pipeline. Increasing the size of the chlorine contact basin or switching to another disinfection method at the RWCWRF will extend the useful life of the force main and reservoir liners.</p>							
COMMENTS:							
Improvement options include changing to UV disinfection in addition to increasing contact time at the plant.							
FUND DETAILS:							
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total		
Betterment ID 22	0 %	100 %	0 %	0 %	100 %		
TOTAL:	0 %	100 %	0 %	0 %	100 %		
EXPENDITURE SCHEDULE (X \$1,000):							
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$90	\$110	\$1,100	\$100	\$0	\$0	\$2,500

CIP Number: R2117

PROJECT SCHEDULE:

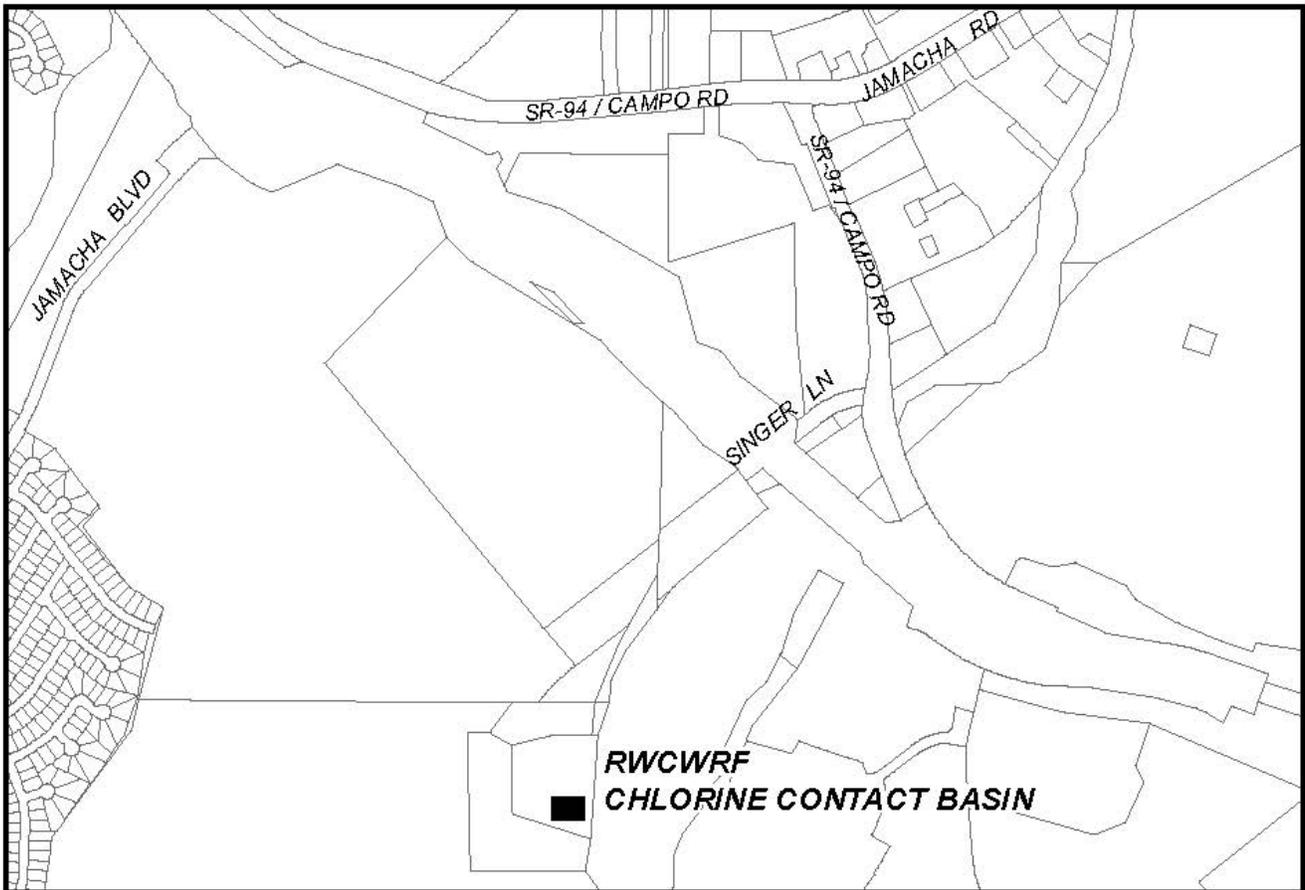
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	12/31/2015	\$100
DESIGN:	1/1/2016	12/31/2016	\$250
CONSTRUCTION:	1/1/2017	6/30/2019	\$2,150

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 319



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: Steele Canyon Sewer PS Chopper Pump	CIP Number: R2118
PROJECT MANAGER: Stephen Beppler	DIRECTOR DIVISION: 3
ORIGINAL APPROVED DATE:	I.D. LOCATION: 18
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$40,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: R2118

PROJECT SCHEDULE:

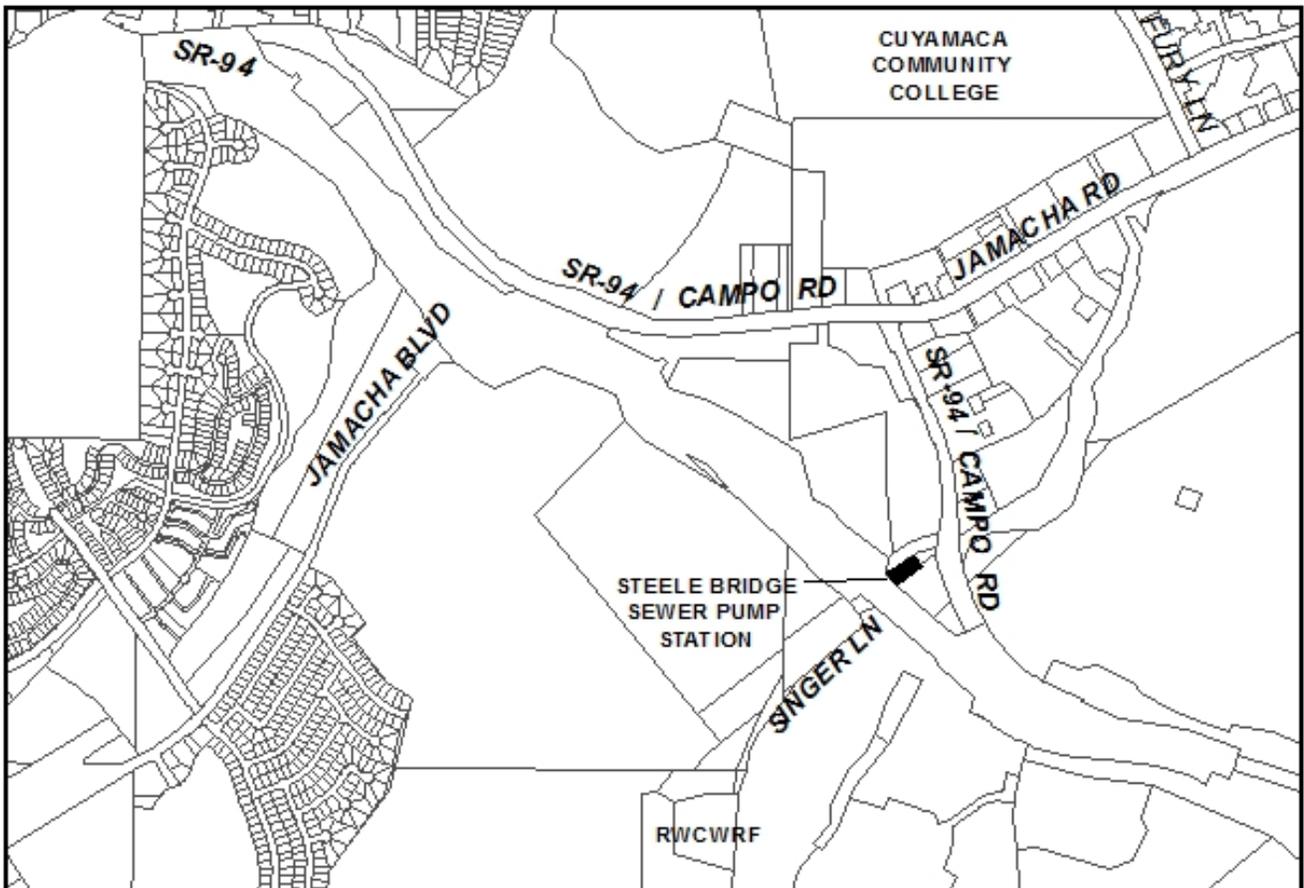
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	7/31/2015	\$2
DESIGN:	8/3/2015	9/30/2015	\$5
CONSTRUCTION:	10/1/2015	2/29/2016	\$33

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 331



Submitted By: Jolene Fielding

Date: 5/7/2015

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE: Treatment Plant Automation & Security Upgrades	CIP Number: R2119
PROJECT MANAGER: Stephen Beppler	DIRECTOR DIVISION: 3
ORIGINAL APPROVED DATE:	I.D. LOCATION: 22
RELATED CIP PROJECTS:	PRIORITY: 0
	BUDGET AMOUNT: \$200,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: R2119

PROJECT SCHEDULE:

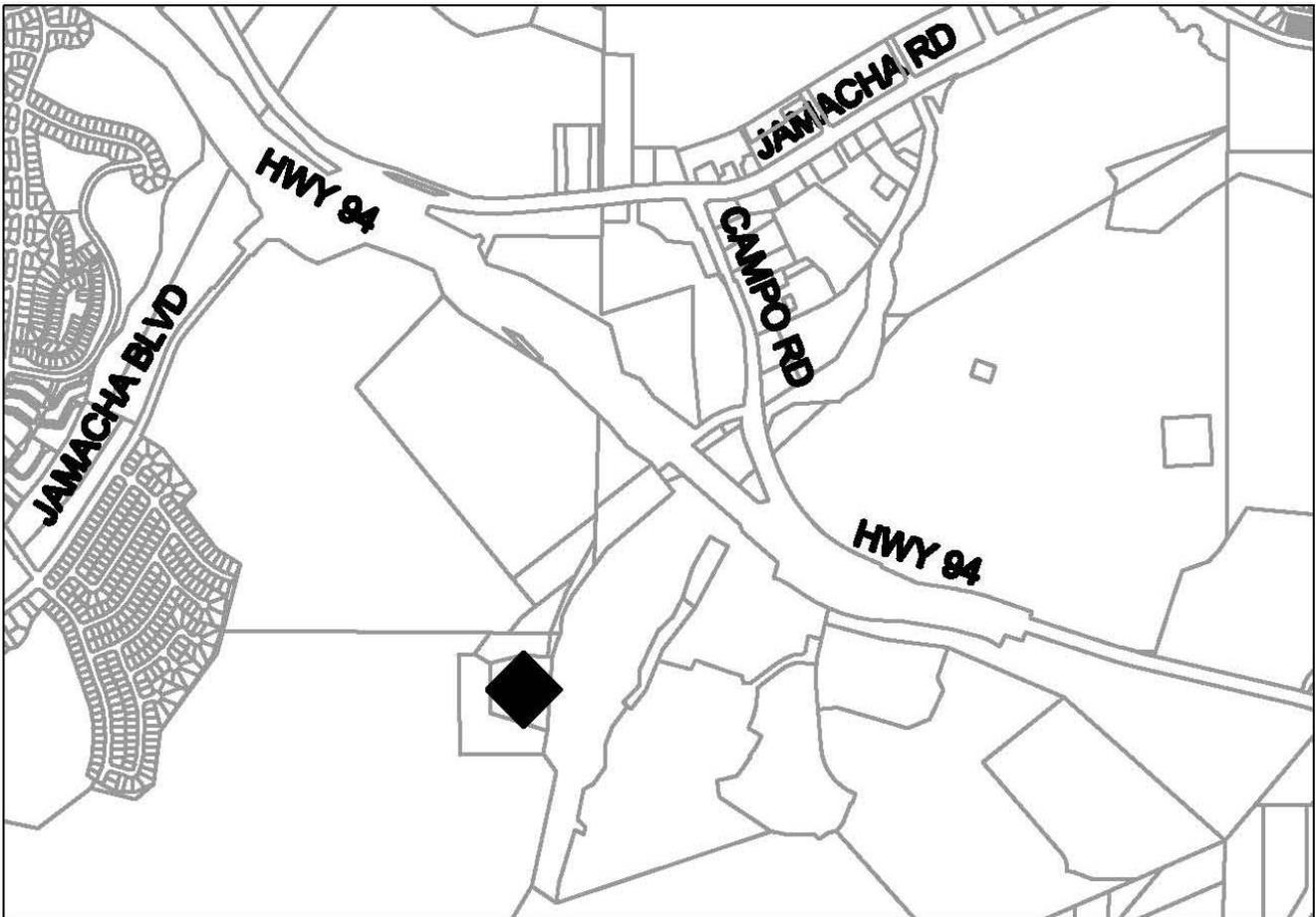
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	6/30/2016	\$50
DESIGN:	7/1/2016	6/30/2017	\$50
CONSTRUCTION:	7/1/2017	6/30/2019	\$100

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 319



Submitted By: Jolene Fielding

Date: 5/11/2015

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

CIP Number: R2121

DIRECTOR DIVISION: 5

PROJECT MANAGER: Jeff Marchioro

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$1,400,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: R2121

PROJECT SCHEDULE:

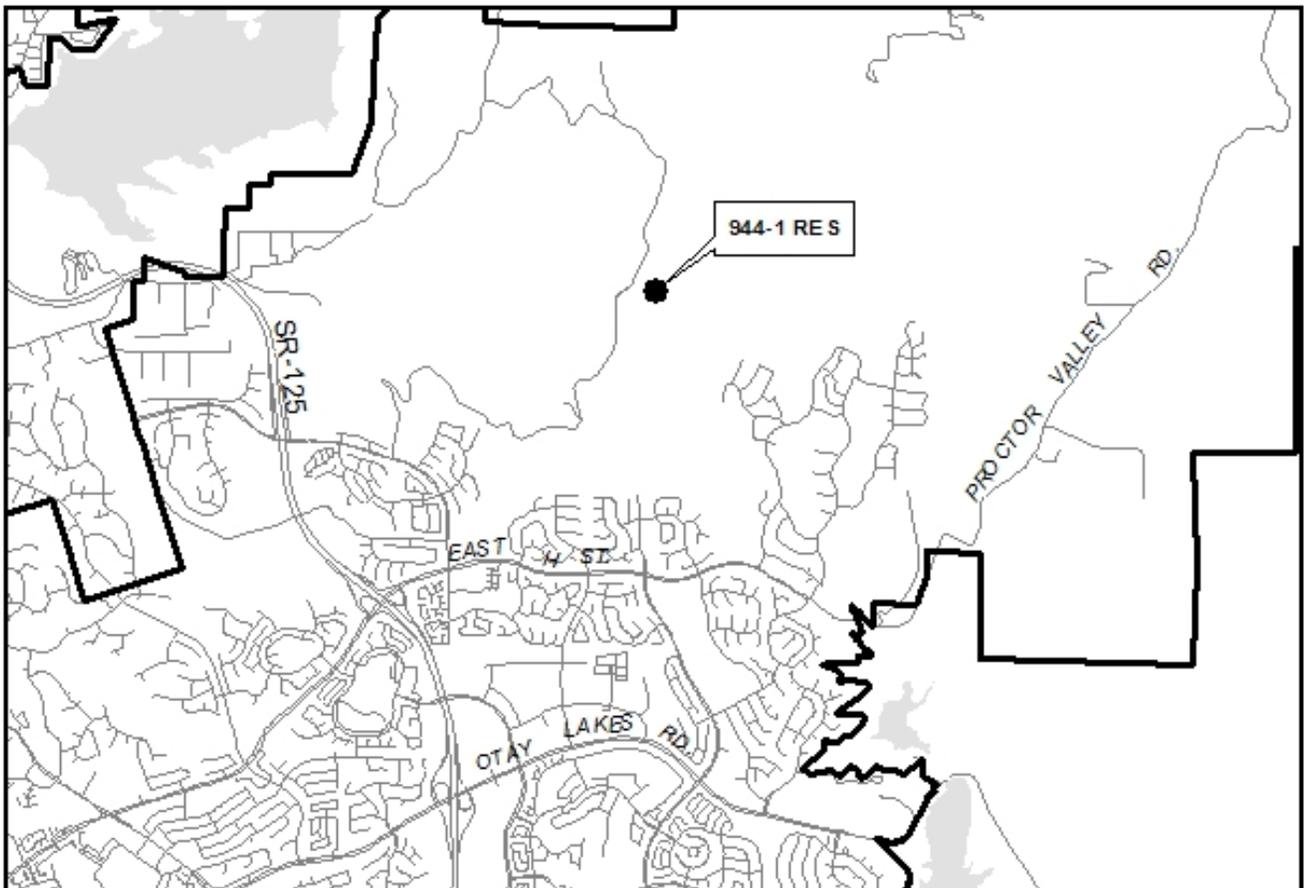
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	6/30/2016	\$10
DESIGN:	1/1/2016	9/30/2016	\$100
CONSTRUCTION:	10/1/2016	6/30/2017	\$1,290

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 172



Submitted By: Rita Bell

Date: 5/8/2015

PROJECT TITLE: Emergency Recycled Water Fire Hydrant Installations

CIP Number: R2122

DIRECTOR DIVISION: 0

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: District Wide

ORIGINAL APPROVED DATE: 7/1/2015

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$75,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: R2122

PROJECT SCHEDULE:

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

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book:



Submitted By: D Martin

Date: 4/24/2015

PROJECT TITLE: RWCWRF Sludge Handling System

CIP Number: S2043

DIRECTOR DIVISION: 3

PROJECT MANAGER: Stephen Beppler

I.D. LOCATION: 18

ORIGINAL APPROVED DATE: 5/14/2013

PRIORITY: 3

RELATED CIP PROJECTS: R2096

BUDGET AMOUNT: \$1,500,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$41	\$1	\$1	\$1	\$1	\$1	\$47

CIP Number: S2043

PROJECT SCHEDULE:

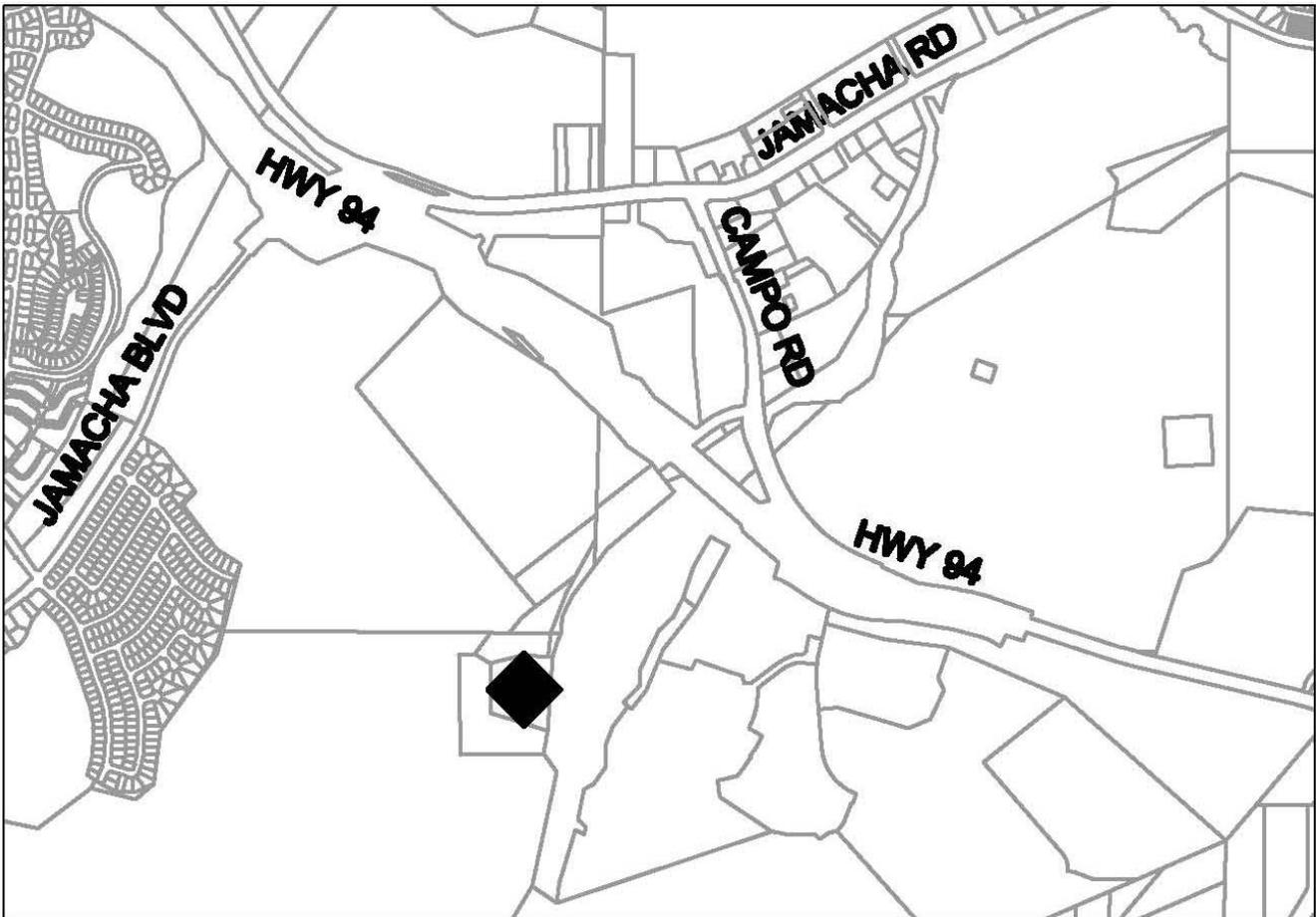
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2013	6/30/2022	\$75
DESIGN:	7/1/2022	6/30/2023	\$200
CONSTRUCTION:	7/1/2023	6/30/2024	\$1,225

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 319



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: Safety and Security Improvements

CIP Number: P2382

DIRECTOR DIVISION: 0

PROJECT MANAGER: Oscar Ramirez

I.D. LOCATION: District Wide

ORIGINAL APPROVED DATE: 6/5/2002

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$2,667,000

DESCRIPTION OF PROJECT:

This project is to improve the security of the Otay Water District facilities by installing and upgrading to current standards the hardware and software required to provide access control, video surveillance, intrusion detection and response. Fiscal Year 2016 will include initiating delivery of the following items:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2382

PROJECT SCHEDULE:

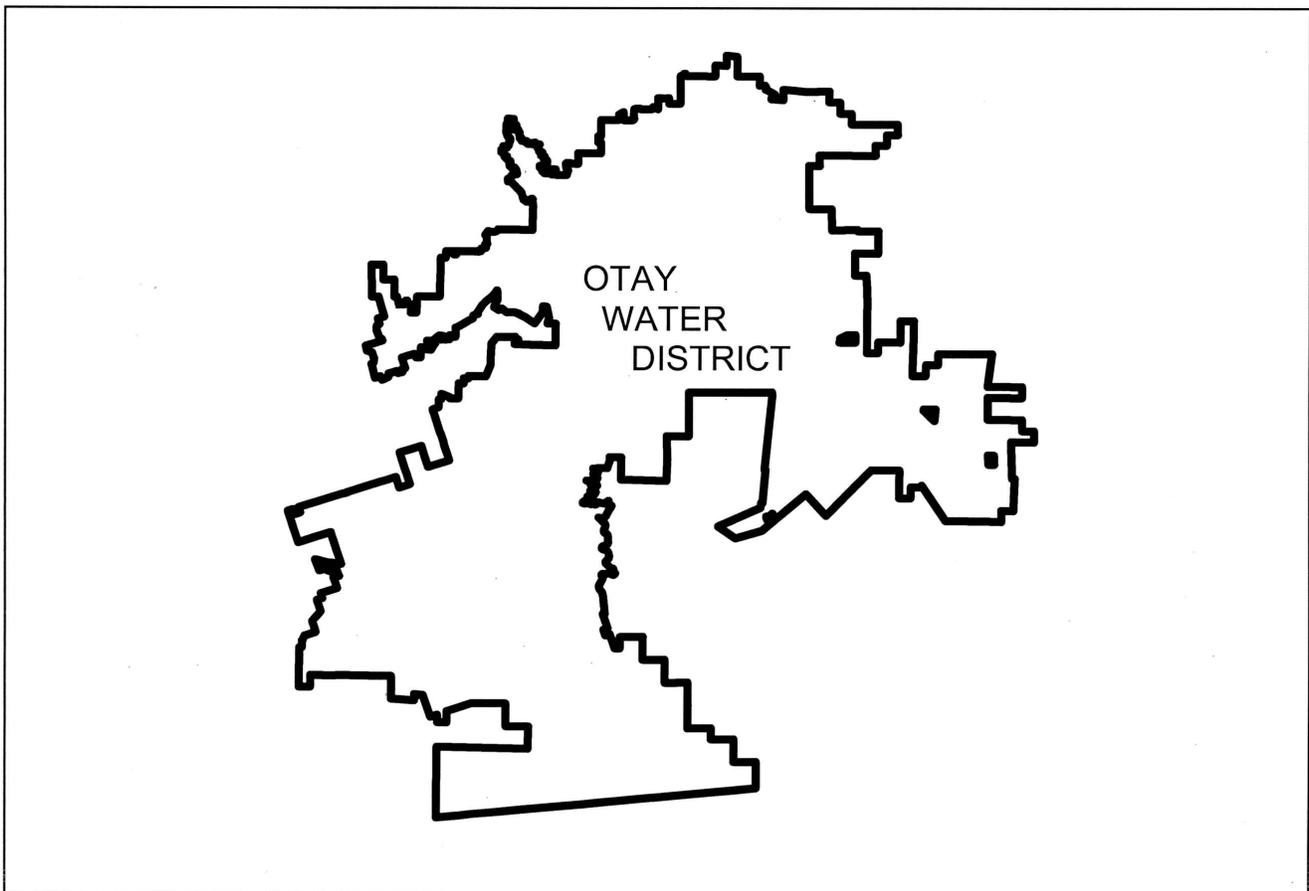
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2002	6/30/2017	\$62
DESIGN:	9/1/2003	12/31/2017	\$231
CONSTRUCTION:	1/1/2004	6/30/2017	\$2,374

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: SR-11 Utility Relocations

CIP Number: P2453

DIRECTOR DIVISION: 2

PROJECT MANAGER: Jeff Marchioro

I.D. LOCATION: 22

ORIGINAL APPROVED DATE: 5/23/2006

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$2,250,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2453

PROJECT SCHEDULE:

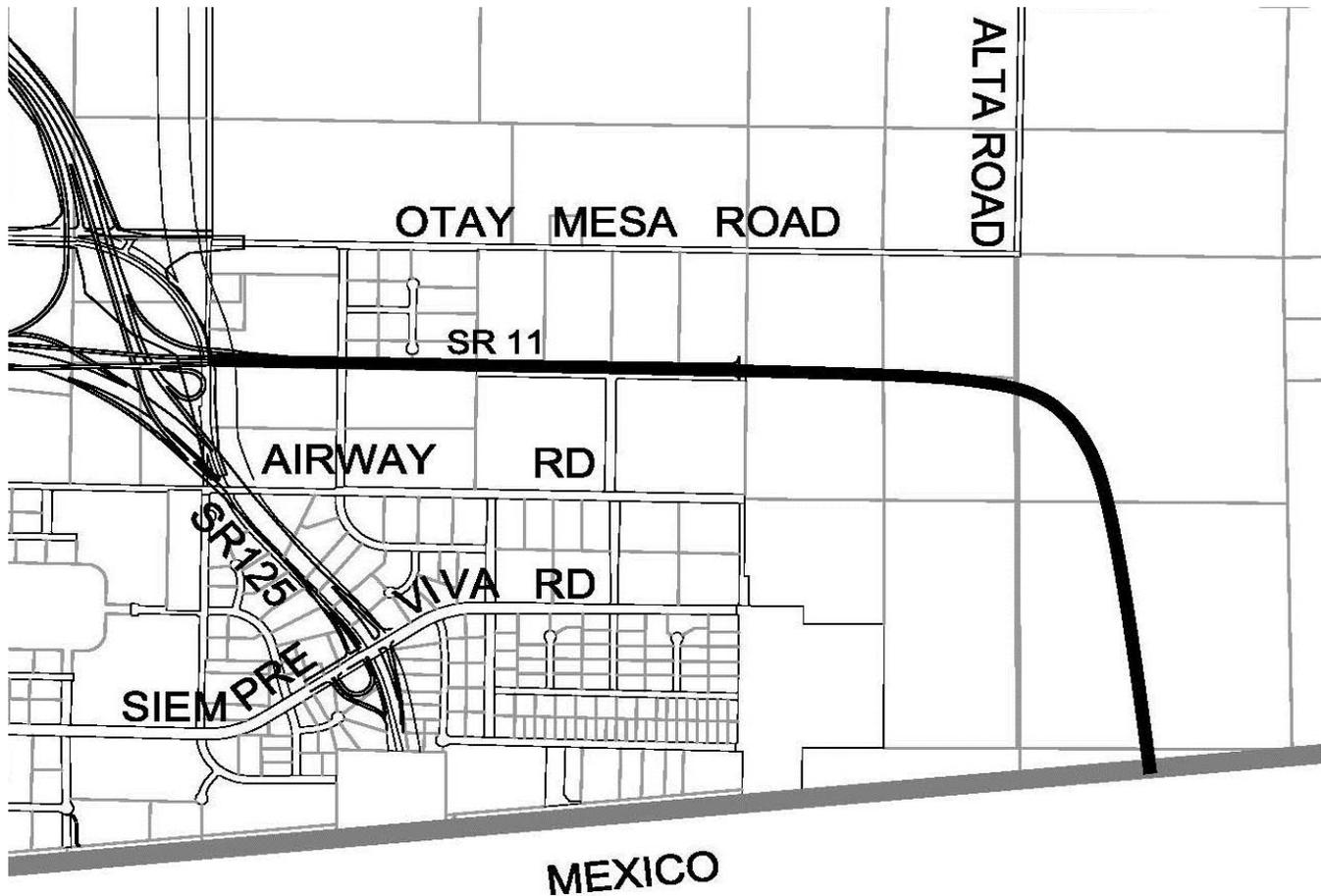
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2006	6/1/2016	\$20
DESIGN:	7/1/2009	6/30/2015	\$350
CONSTRUCTION:	1/8/2014	6/30/2020	\$1,880

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 5



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: SCADA Communication System and Software Replacement		CIP Number: P2485					
PROJECT MANAGER: Jake Vaclavek		DIRECTOR DIVISION: 0	I.D. LOCATION: District Wide				
ORIGINAL APPROVED DATE: 5/21/2009		PRIORITY: 1					
RELATED CIP PROJECTS:		BUDGET AMOUNT: \$2,014,000					
DESCRIPTION OF PROJECT:							
<p>This project will replace the existing SCADA software and radio communication system and install fuel level transmitters on all diesel fuel tanks. A Battery Backup System will be installed at remote SCADA/Radio sites without emergency power generators. Money budgeted in FY 2016 and 2017 is for the replacement of PLC's in the field that will no longer be supported at that time. \$40K in FY 16 for the SCADA Roadmap Documentation.</p>							
JUSTIFICATION OF PROJECT:							
<p>The vendor will no longer be upgrading or supporting the existing system beginning 2012. The radio equipment needs replacement to allow for increased bandwidth capability to increase security systems functionality. The fuel level transmitters on all diesel fuel tanks and remote SCADA monitoring will provide supervisors with real time fuel levels to monitor available runtime on stand-by engines during extended power outages. The battery backup system will provide continuous communications and SCADA monitoring and control for 3 days if the District lost power at sites without emergency power generators.</p>							
COMMENTS:							
FUND DETAILS:							
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total		
Replacement	0 %	0 %	100 %	0 %	100 %		
TOTAL:	0 %	0 %	100 %	0 %	100 %		
EXPENDITURE SCHEDULE (X \$1,000):							
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2016	2017	2018	2019	2020	2021	Total
\$1,294	\$75	\$35	\$150	\$150	\$150	\$160	\$2,014

CIP Number: P2485

PROJECT SCHEDULE:

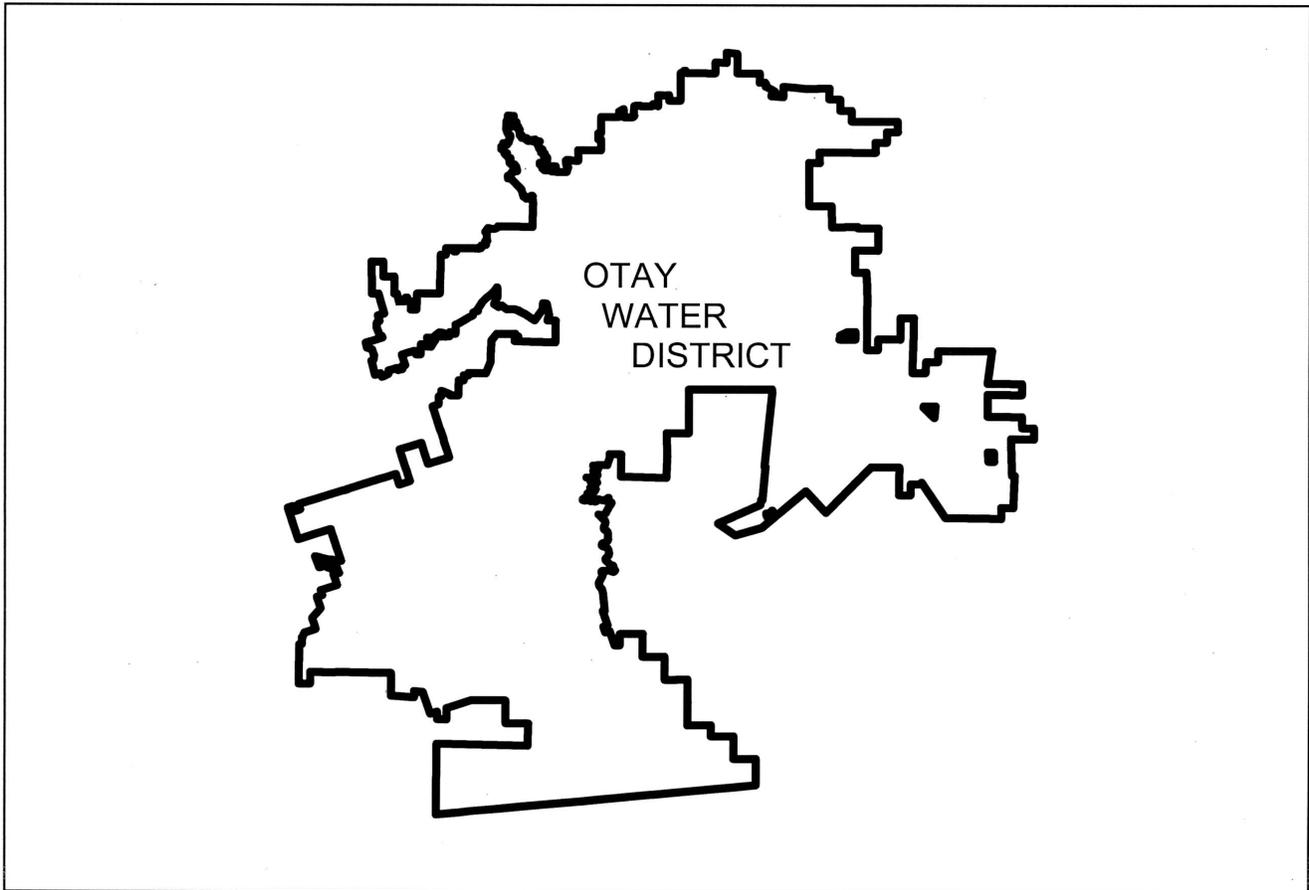
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2009	6/30/2021	\$2,014

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/6/2015

PROJECT TITLE: 624-2 Reservoir Interior/Exterior Coating

CIP Number: P2493

DIRECTOR DIVISION: 4

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE: 5/21/2009

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$1,675,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2493

PROJECT SCHEDULE:

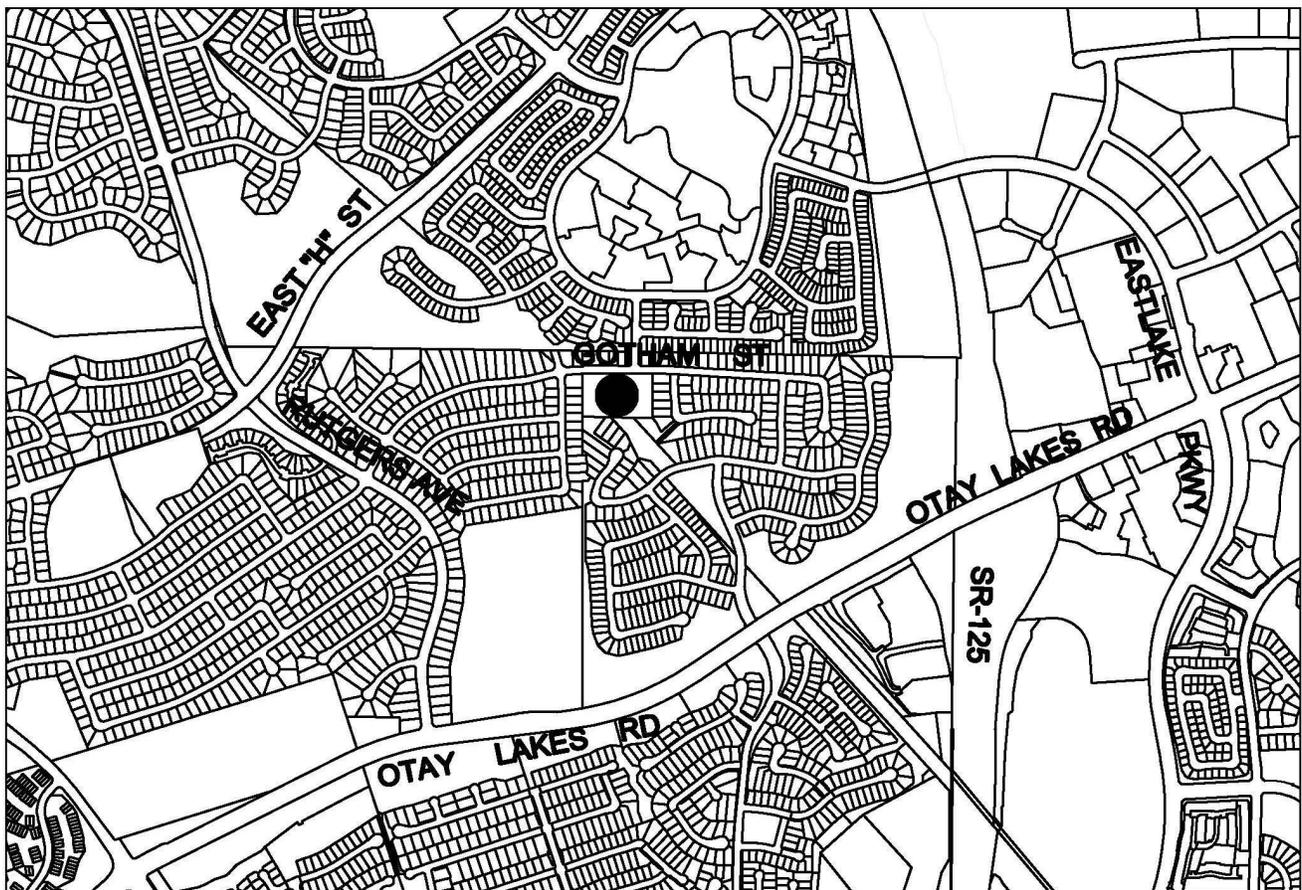
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2009	8/1/2010	\$5
DESIGN:	9/1/2010	12/31/2013	\$95
CONSTRUCTION:	1/8/2014	6/30/2017	\$1,575

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 130



Submitted By: Jolene Fielding

Date: 5/6/2015

PROJECT TITLE: Multiple Species Conservation Plan

CIP Number: P2494

DIRECTOR DIVISION: 0

PROJECT MANAGER: Lisa Coburn-Boyd

I.D. LOCATION: District Wide

ORIGINAL APPROVED DATE: 5/21/2009

PRIORITY: 1

RELATED CIP PROJECTS: P2495

BUDGET AMOUNT: \$950,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2494

PROJECT SCHEDULE:

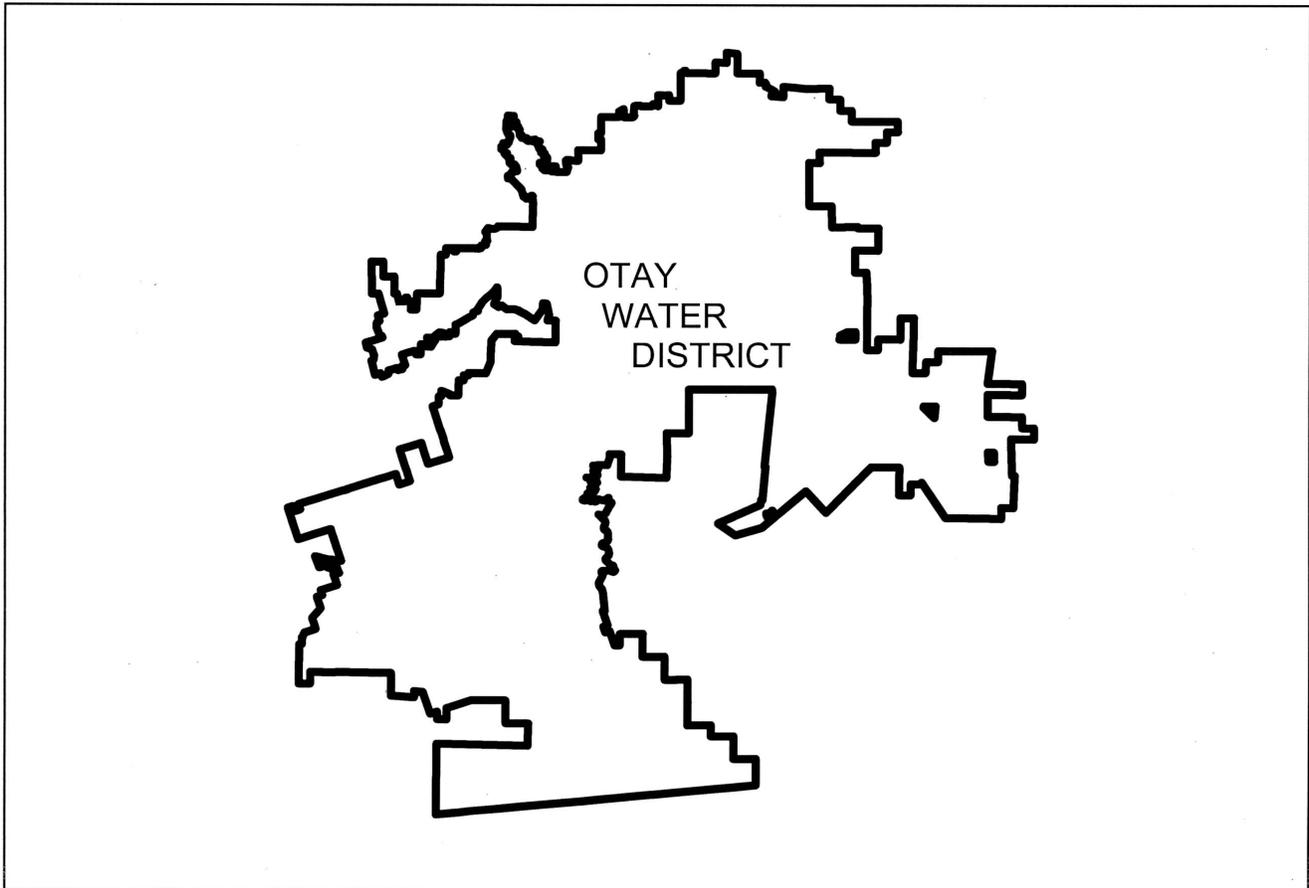
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2009	6/30/2016	\$950
DESIGN:			\$0
CONSTRUCTION:			\$0

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book:



Submitted By: Lisa Coburn-Boyd

Date: 2/9/2015

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

CIP Number: P2495

PROJECT SCHEDULE:

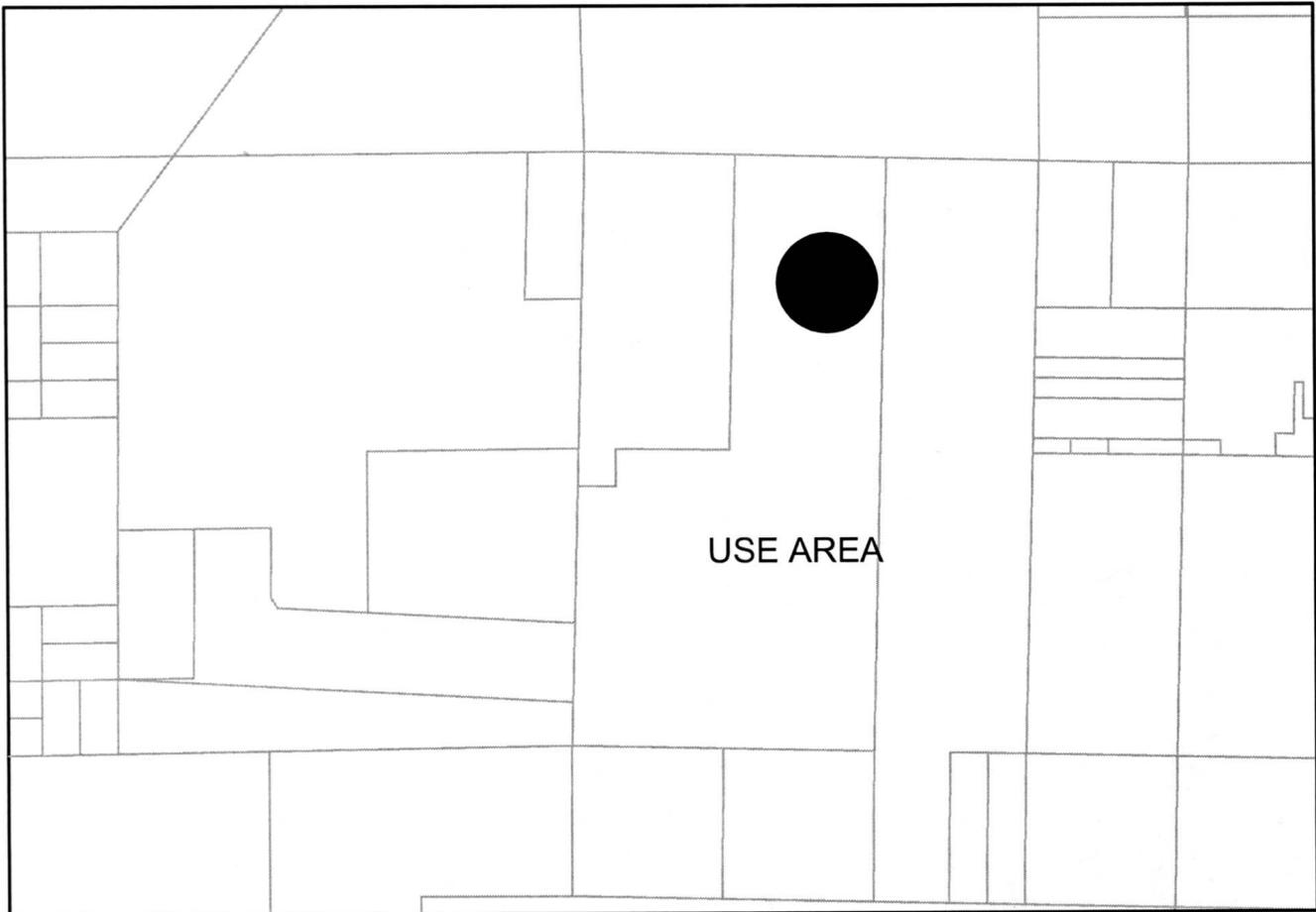
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2009	6/30/2021	\$2,100
DESIGN:			\$0
CONSTRUCTION:			\$0

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 159



Submitted By: Rita Bell

Date: 4/29/2015

PROJECT TITLE: Otay Lakes Road Utility Relocations

CIP Number: P2496

DIRECTOR DIVISION: 4

PROJECT MANAGER: Dan Martin

I.D. LOCATION: 22

ORIGINAL APPROVED DATE: 5/21/2009

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$325,000

DESCRIPTION OF PROJECT:

This project provides funding for all utility relocations required to accommodate the City of Chula Vista road improvement project located along Otay Lakes Road and Telegraph Canyon Road.

JUSTIFICATION OF PROJECT:

The Otay Water District will be required to relocate all conflicting systems at its own expense for the City of Chula Vista has prior and superior rights.

COMMENTS:

Work under construction.

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2496

PROJECT SCHEDULE:

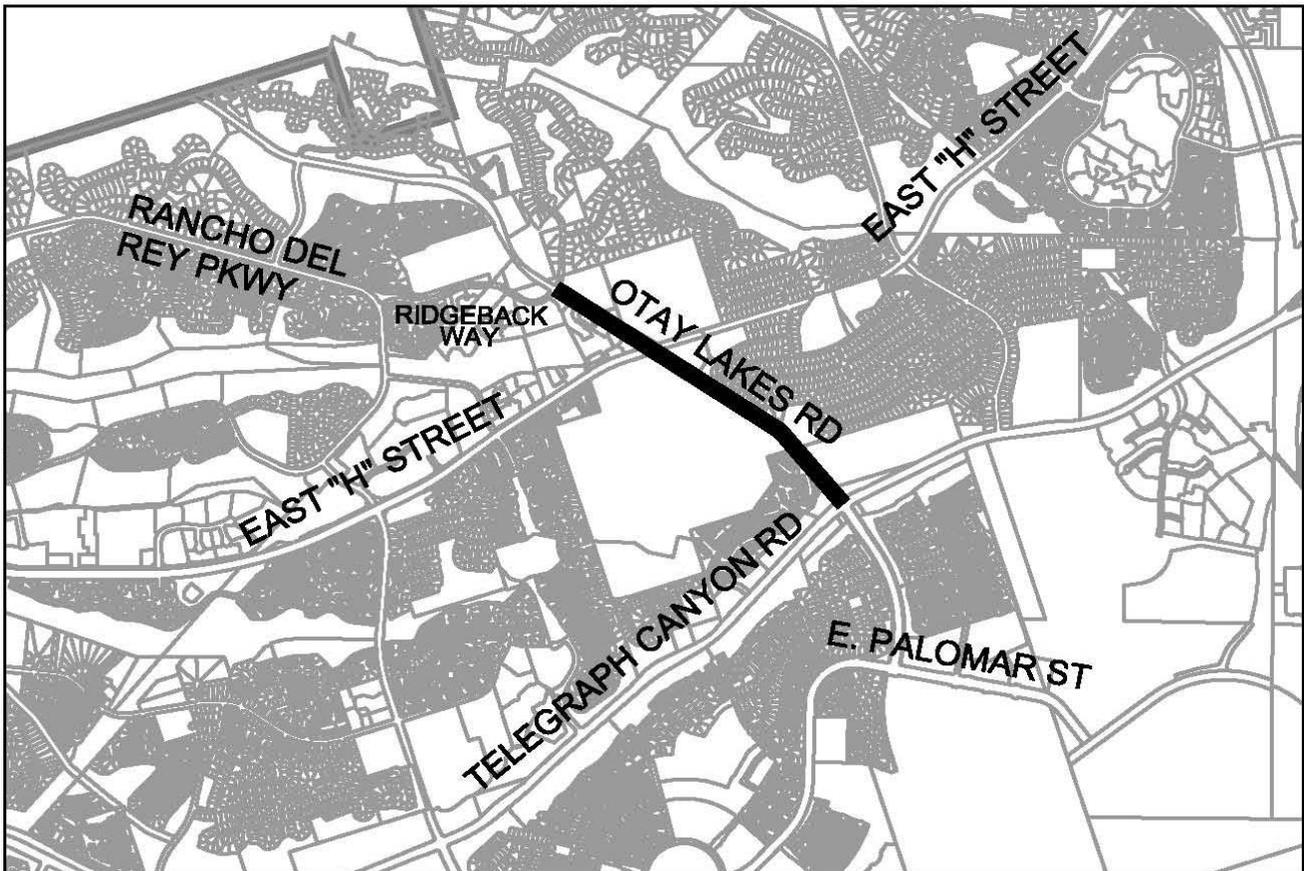
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2009	8/1/2009	\$4
DESIGN:	9/1/2009	12/1/2009	\$11
CONSTRUCTION:	1/1/2010	6/30/2017	\$310

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 113



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: Regulatory Site Access Road and Pipeline Relocation

CIP Number: P2504

DIRECTOR DIVISION: 5

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE: 5/17/2010

PRIORITY: 1

RELATED CIP PROJECTS: P2466

BUDGET AMOUNT: \$900,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2504

PROJECT SCHEDULE:

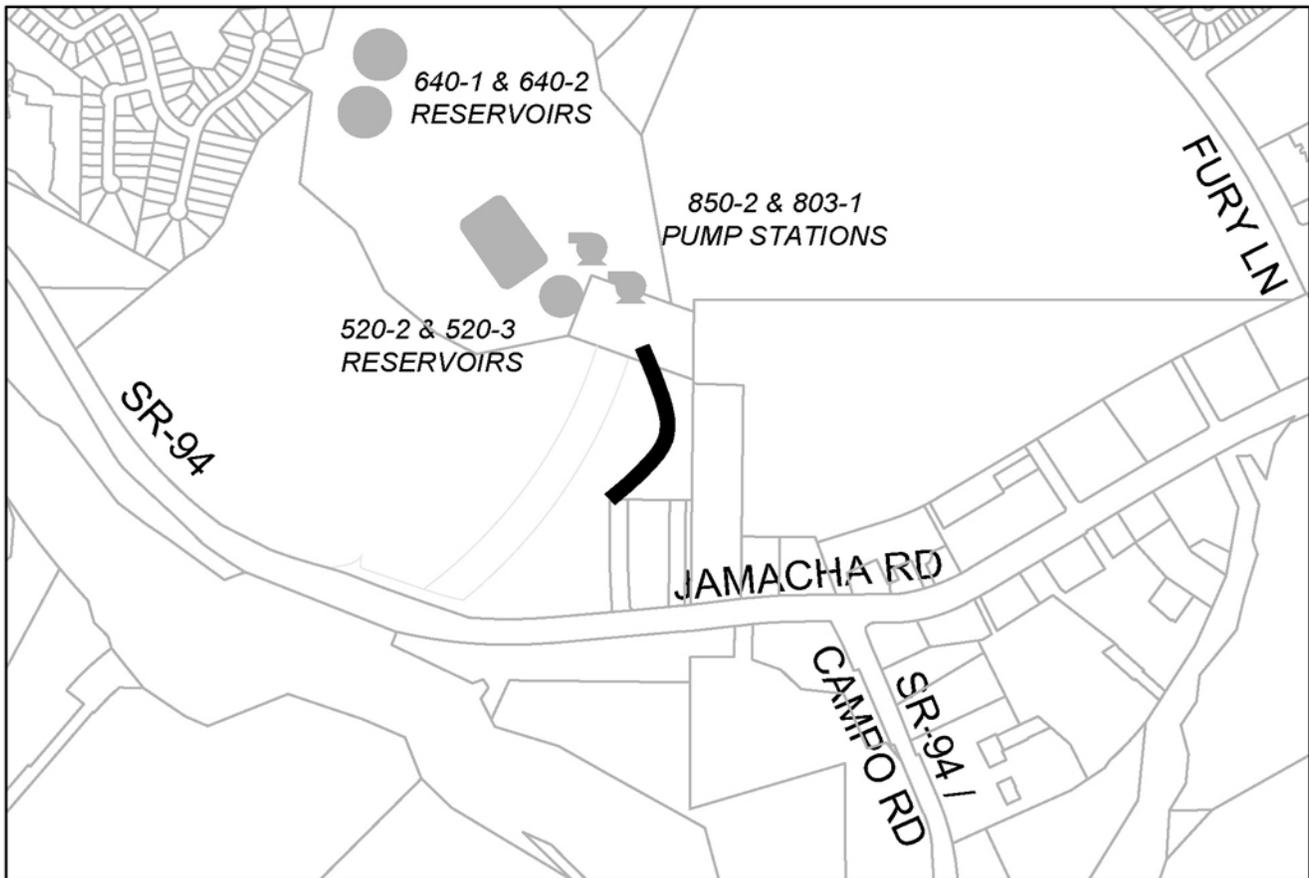
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2010	9/1/2010	\$85
DESIGN:	10/1/2010	12/31/2015	\$275
CONSTRUCTION:	1/1/2016	6/30/2019	\$540

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 331



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: East Palomar Street Utility Relocation

CIP Number: P2507

DIRECTOR DIVISION: 2

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE: 5/17/2010

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$940,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$685	\$25	\$120	\$110	\$0	\$0	\$940

CIP Number: P2507

PROJECT SCHEDULE:

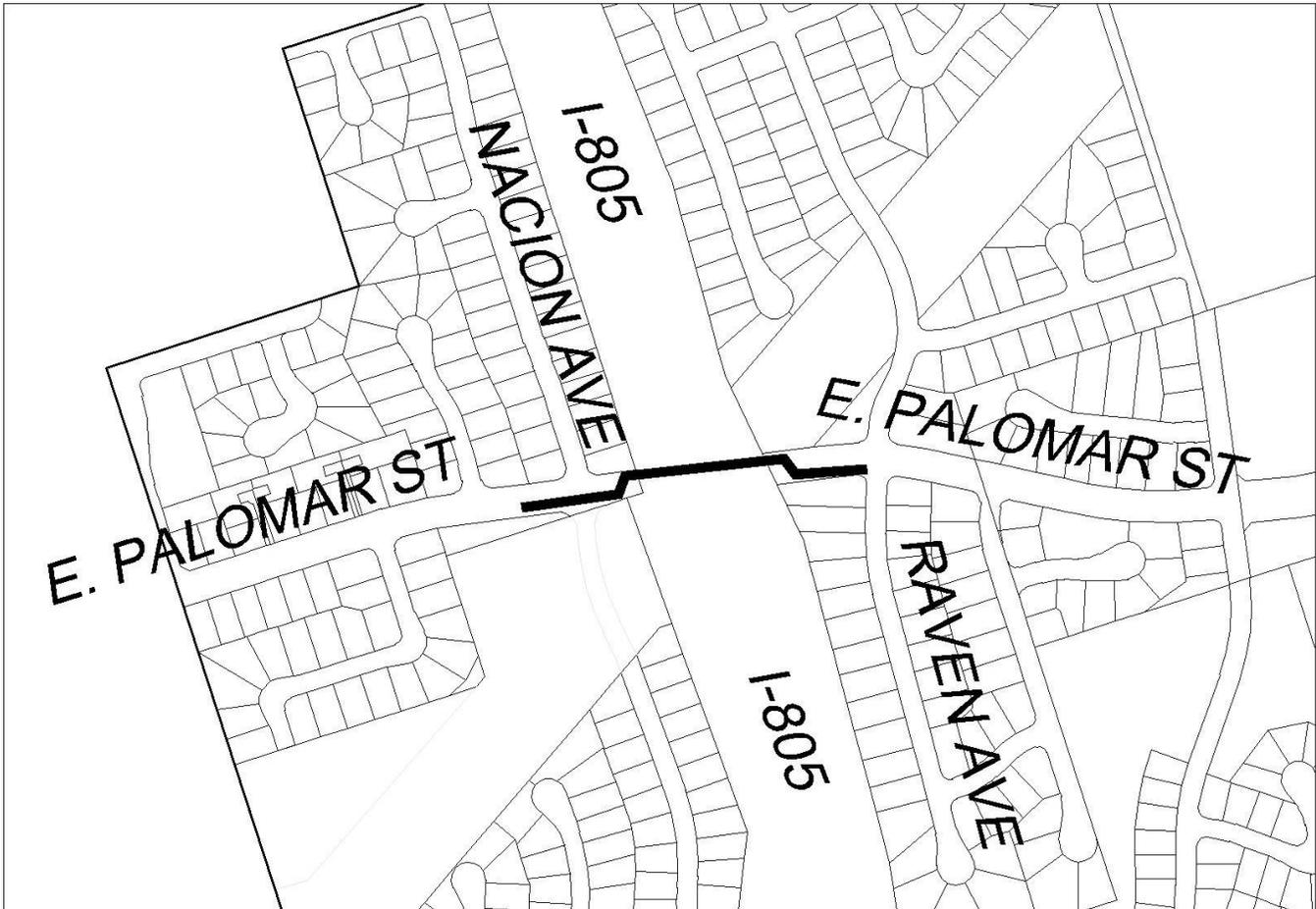
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2010	12/1/2010	\$5
DESIGN:	1/1/2011	12/1/2012	\$245
CONSTRUCTION:	1/1/2013	6/30/2018	\$690

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 80



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: Pipeline Cathodic Protection Replacement Program

CIP Number: P2508

PROJECT MANAGER: Jeff Marchioro

DIRECTOR DIVISION: 0

ORIGINAL APPROVED DATE: 5/17/2010

I.D. LOCATION: District Wide

RELATED CIP PROJECTS:

PRIORITY: 1

BUDGET AMOUNT: \$725,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY							
TOTAL	2016	2017	2018	2019	2020	2021	Total	
	\$178	\$150	\$300	\$50	\$47	\$0	\$0	\$725

CIP Number: P2508

PROJECT SCHEDULE:

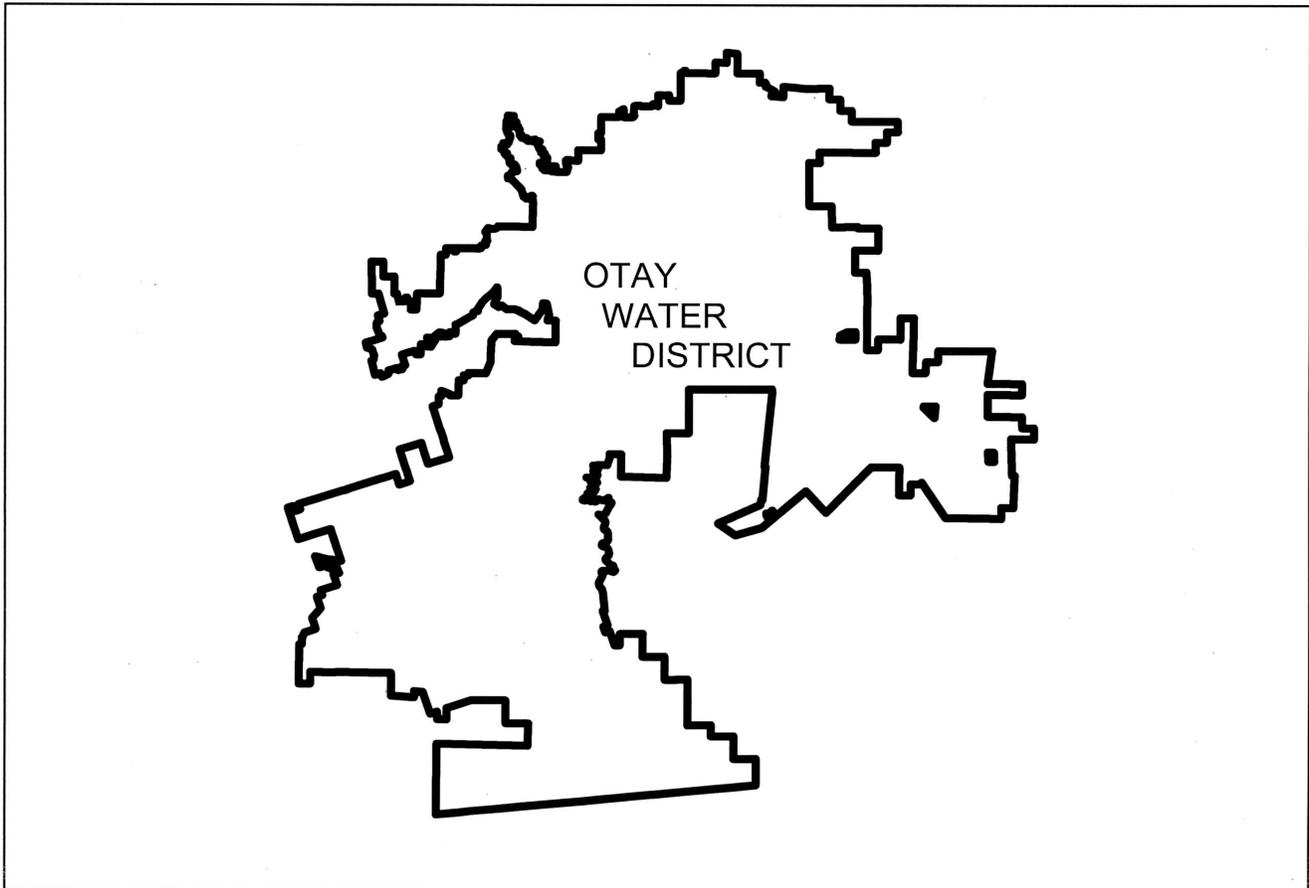
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2010	6/30/2016	\$50
DESIGN:	7/1/2014	6/30/2016	\$100
CONSTRUCTION:	10/1/2015	6/30/2019	\$575

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/6/2015

PROJECT TITLE: 870-1 Reservoir Paving

CIP Number: P2515

DIRECTOR DIVISION: 2

PROJECT MANAGER: Stephen Beppler

I.D. LOCATION: 22

ORIGINAL APPROVED DATE: 5/16/2011

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$510,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

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

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2515

PROJECT SCHEDULE:

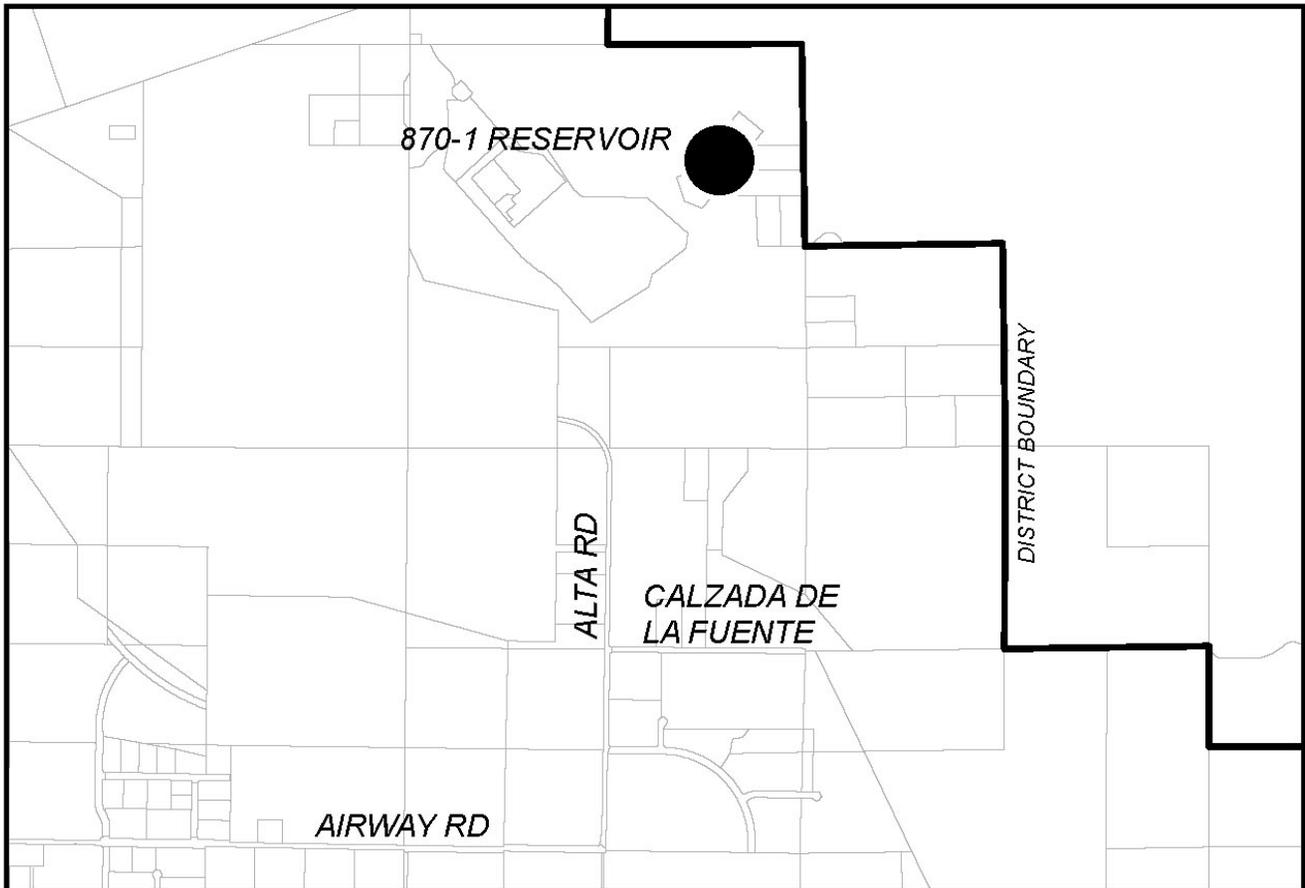
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2011	12/1/2011	\$50
DESIGN:	1/1/2012	12/31/2014	\$75
CONSTRUCTION:	1/1/2015	6/30/2016	\$385

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 55



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: 803-3 Reservoir Interior/Exterior Coating

CIP Number: P2518

DIRECTOR DIVISION: 5

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE: 5/15/2012

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$700,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

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

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2518

PROJECT SCHEDULE:

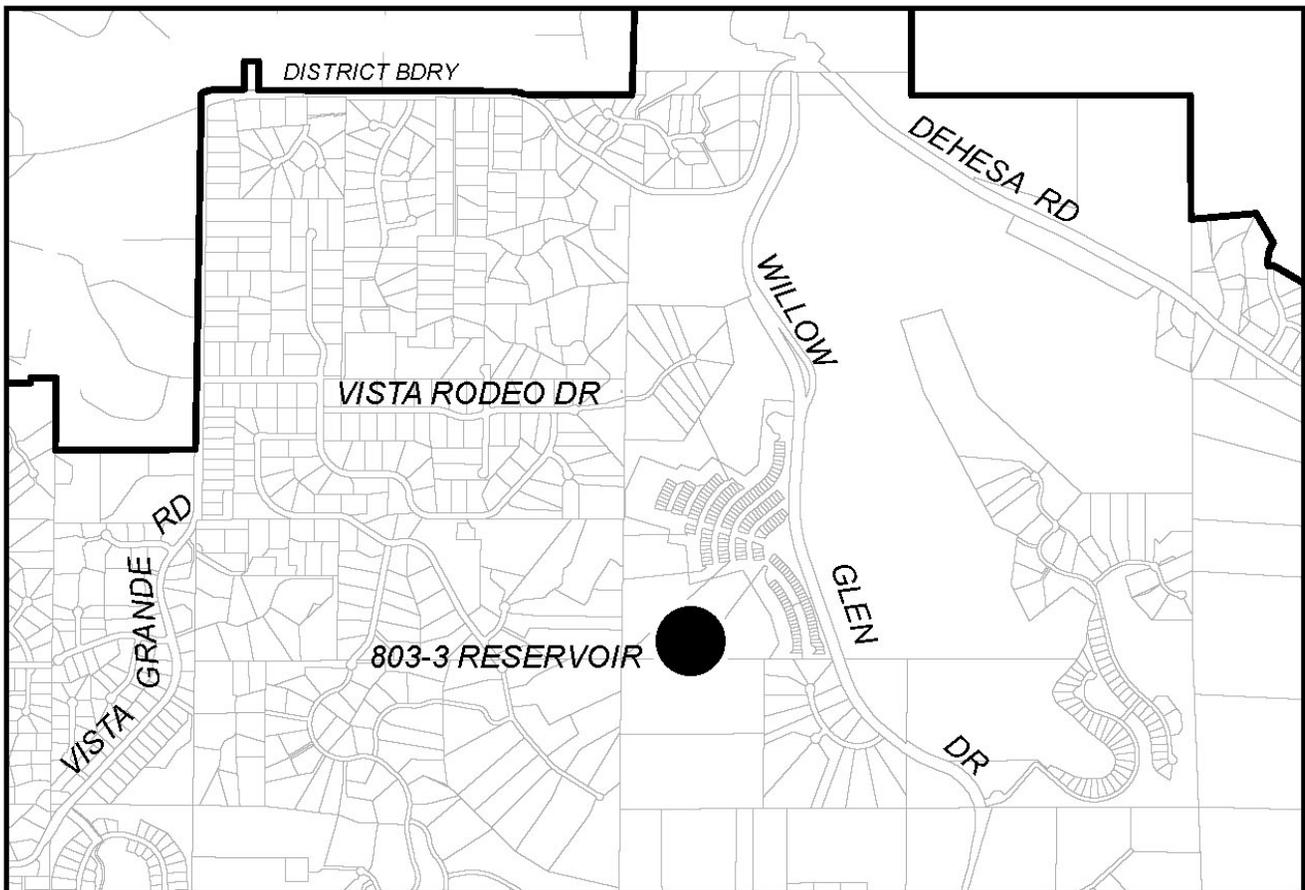
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2011	9/1/2012	\$10
DESIGN:	10/1/2012	12/1/2013	\$65
CONSTRUCTION:	1/1/2013	7/31/2016	\$625

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 370



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: 832-2 Reservoir Interior/Exterior Coating

CIP Number: P2519

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	2016	2017	2018	2019	2020	2021	Total
	\$660	\$20	\$45	\$25	\$0	\$0	\$750

CIP Number: P2519

PROJECT SCHEDULE:

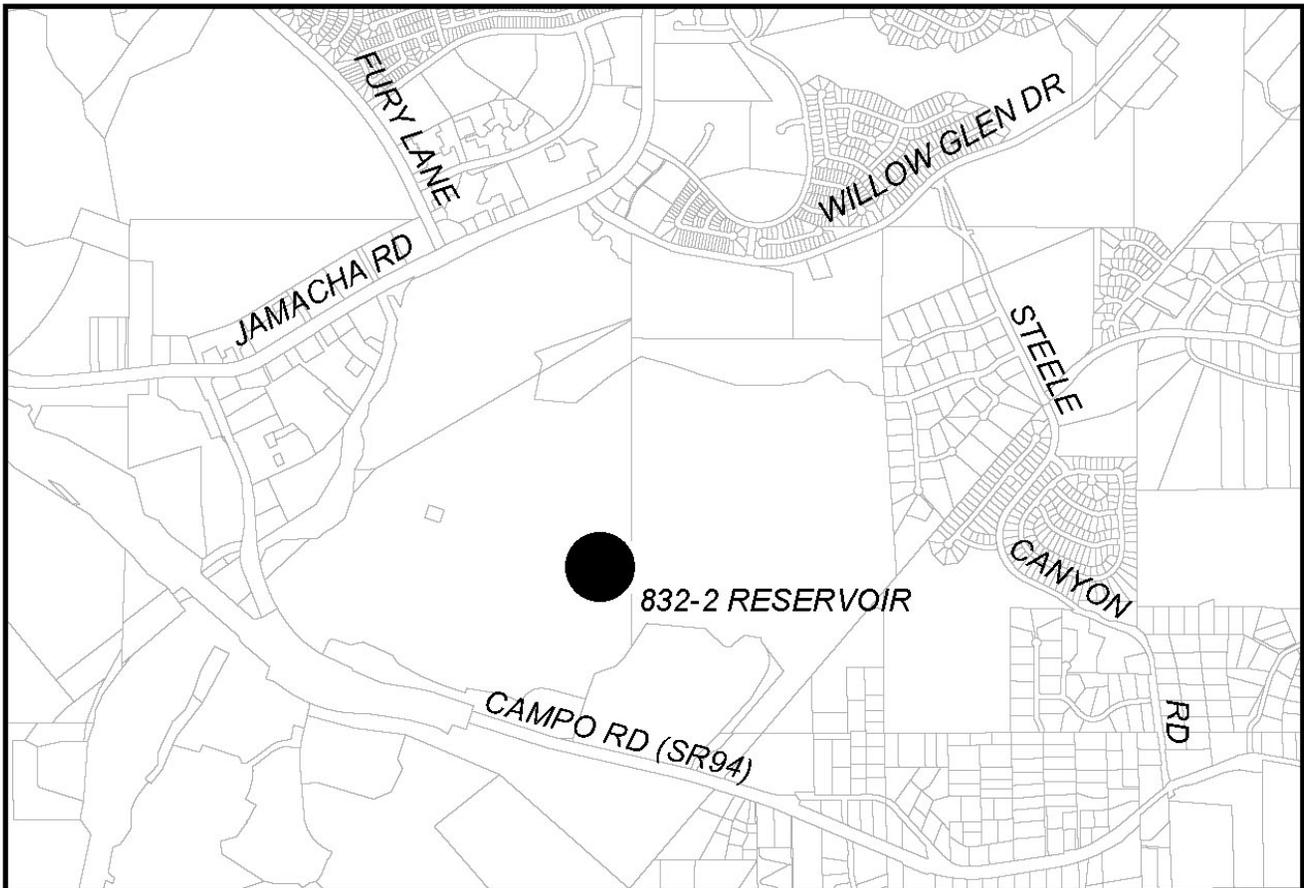
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2011	9/1/2012	\$10
DESIGN:	10/1/2012	12/1/2013	\$50
CONSTRUCTION:	1/1/2013	7/31/2016	\$690

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 332



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: Motorola Mobile Radio Upgrade

CIP Number: P2520

DIRECTOR DIVISION: 0

PROJECT MANAGER: Jose Martinez

I.D. LOCATION: District Wide

ORIGINAL APPROVED DATE: 5/16/2011

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$135,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2520

PROJECT SCHEDULE:

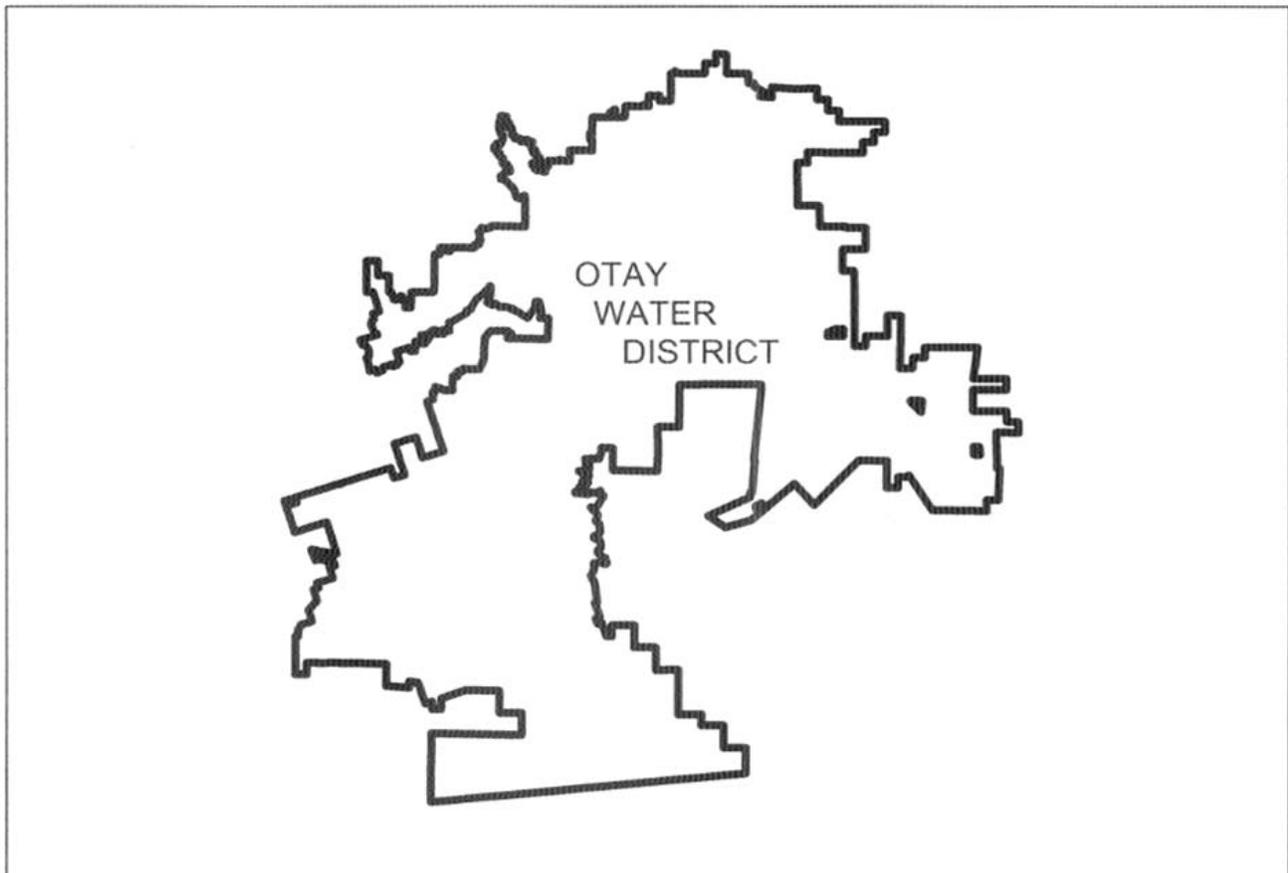
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	8/1/2011	6/30/2017	\$135

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book:



Submitted By: Rita Bell

Date: 4/29/2015

PROJECT TITLE: 711-2 Reservoir Interior & Exterior Coating

CIP Number: P2529

DIRECTOR DIVISION: 1

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS: P2530

BUDGET AMOUNT: \$790,000

DESCRIPTION OF PROJECT:

This project provides funding for the interior and exterior coating of the 711-2 Reservoir. In addition, an assessment of the facility will be accomplished to assure compliance to all applicable codes and OSHA standards.

JUSTIFICATION OF PROJECT:

Based upon the 2011 Cathodic Assessment Report, the 711-2 Reservoir interior and exterior coatings are in relatively poor condition and are in need of replacement.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2529

PROJECT SCHEDULE:

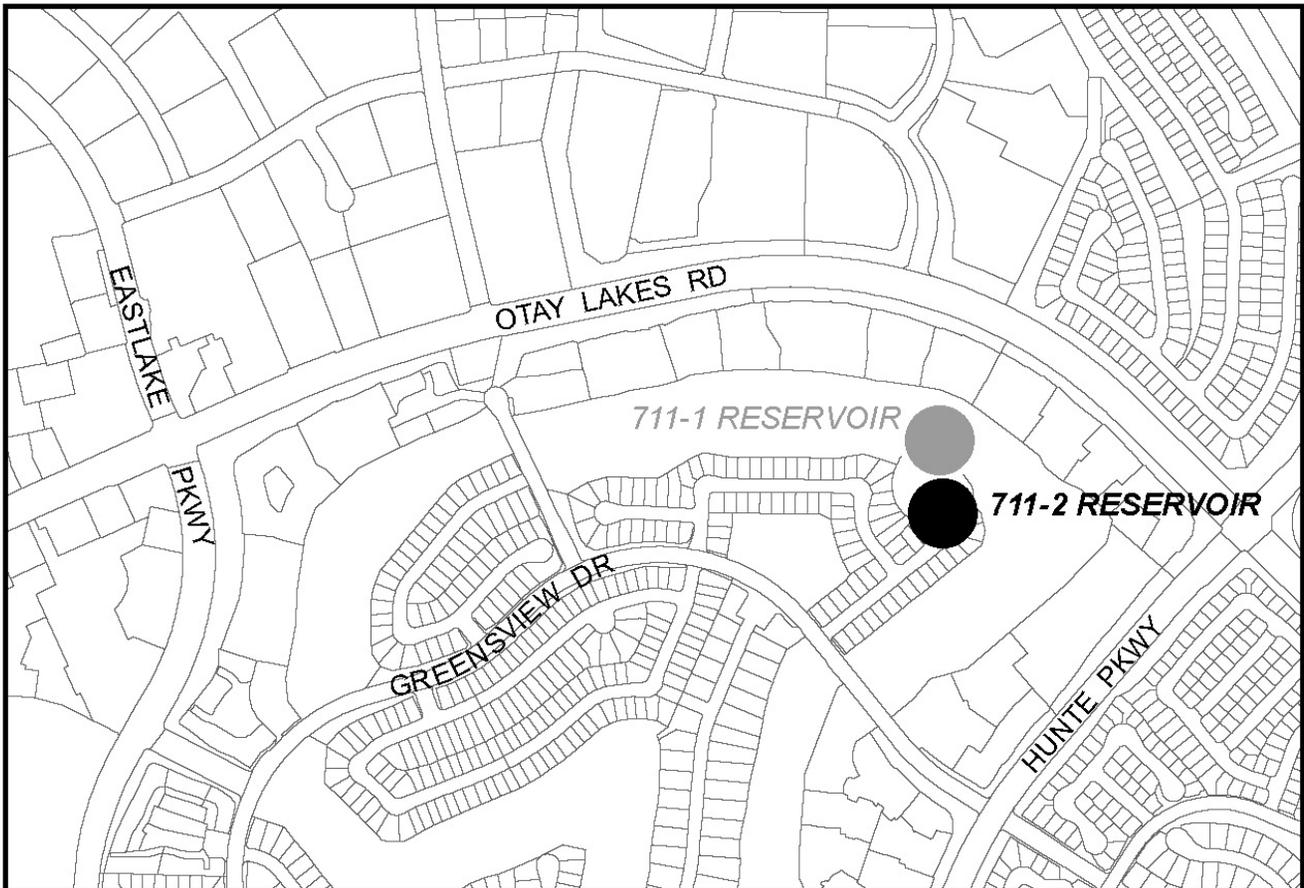
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	6/1/2015	8/31/2015	\$10
DESIGN:	9/1/2015	12/31/2015	\$95
CONSTRUCTION:	1/1/2016	8/1/2018	\$685

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 131



Submitted By: Rita Bell

Date: 4/29/2015

PROJECT TITLE: 711-1 Reservoir Interior & Exterior Coating

CIP Number: P2530

DIRECTOR DIVISION: 1

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS: P2529

BUDGET AMOUNT: \$1,040,000

DESCRIPTION OF PROJECT:

This project provides funding for the interior and exterior coating of the 711-1 Reservoir. In addition, an assessment of the facility will be accomplished to assure compliance to all applicable codes and OSHA standards.

JUSTIFICATION OF PROJECT:

Based upon the 2011 Cathodic Assessment Report, the 711-1 Reservoir interior and exterior coatings are in relatively poor condition and are in need of replacement.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY							
TOTAL	2016	2017	2018	2019	2020	2021	Total	
	\$0	\$800	\$200	\$15	\$25	\$0	\$0	\$1,040

CIP Number: P2530

PROJECT SCHEDULE:

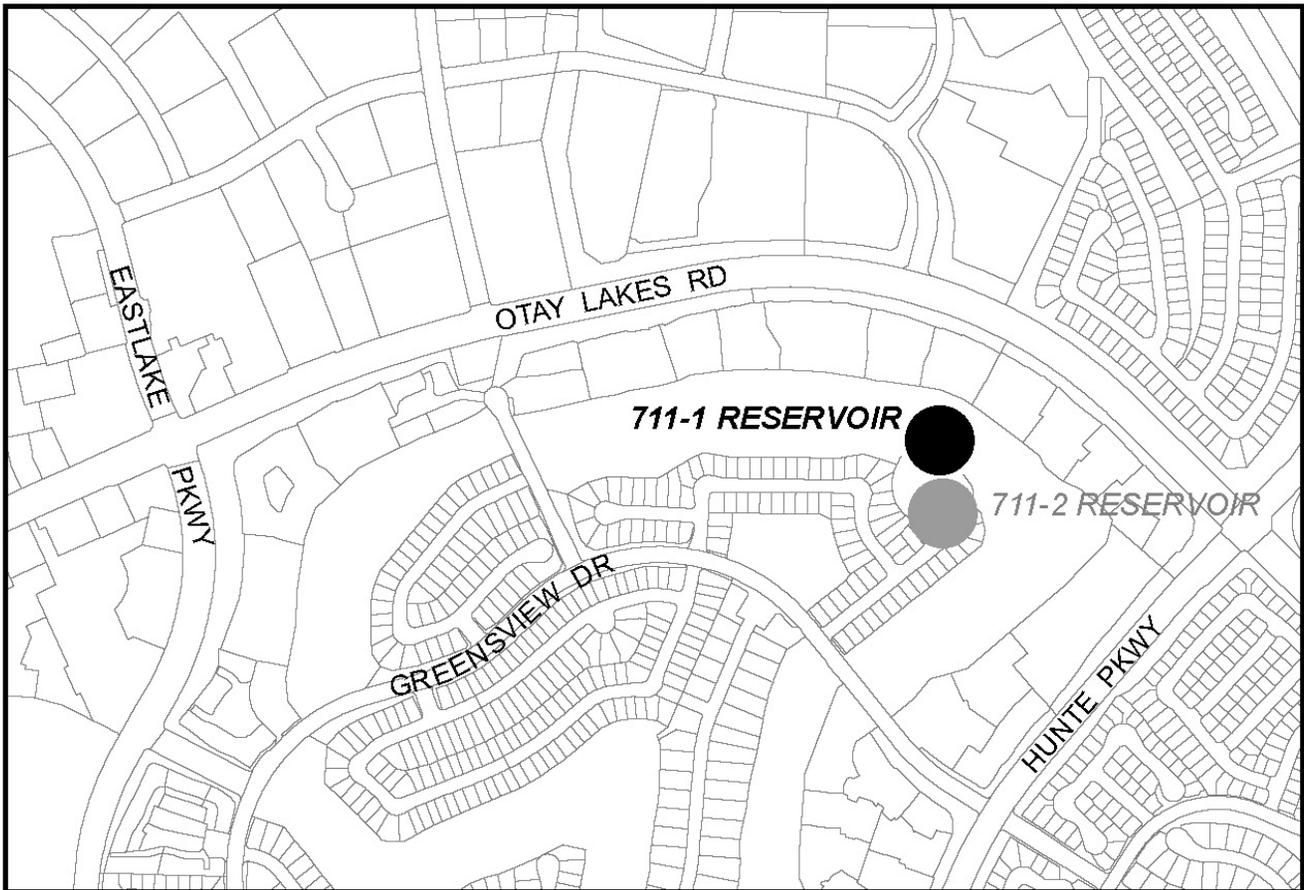
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	6/1/2015	8/31/2015	\$10
DESIGN:	9/1/2015	12/31/2015	\$65
CONSTRUCTION:	1/1/2016	8/1/2018	\$965

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 131



Submitted By: Rita Bell

Date: 4/29/2015

PROJECT TITLE: 944-1 Reservoir Interior & Exterior Coating

CIP Number: P2531

DIRECTOR DIVISION: 5

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 1

RELATED CIP PROJECTS: P2532

BUDGET AMOUNT: \$315,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2531

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	5/1/2014	6/30/2014	\$10
DESIGN:	7/1/2014	10/31/2014	\$40
CONSTRUCTION:	12/31/2014	6/30/2017	\$265

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 322



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: 944-2 Reservoir Interior & Exterior Coating

CIP Number: P2532

DIRECTOR DIVISION: 5

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS: P2531

BUDGET AMOUNT: \$895,000

DESCRIPTION OF PROJECT:

This project provides funding for the interior and exterior coating of the 944-2 Reservoir. In addition, an assessment of the facility will be accomplished to assure compliance to all applicable codes and OSHA standards.

JUSTIFICATION OF PROJECT:

Based upon the 2011 Cathodic Assessment Report, the 944-2 Reservoir interior and exterior coatings are in relatively poor condition and are in need of replacement.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2532

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	5/1/2014	6/30/2014	\$10
DESIGN:	7/1/2014	10/31/2014	\$75
CONSTRUCTION:	12/31/2014	12/31/2017	\$810

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 322



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: 1200-1 Reservoir Interior & Exterior Coating

CIP Number: P2533

DIRECTOR DIVISION: 5

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$565,000

DESCRIPTION OF PROJECT:

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

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:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY							
TOTAL	2016	2017	2018	2019	2020	2021	Total	
	\$0	\$5	\$490	\$35	\$35	\$0	\$0	\$565

CIP Number: P2533

PROJECT SCHEDULE:

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

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 369



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: 978-1 Reservoir Interior & Exterior Coating

CIP Number: P2534

DIRECTOR DIVISION: 5

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$325,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY							
TOTAL	2016	2017	2018	2019	2020	2021	Total	
	\$0	\$0	\$10	\$275	\$5	\$35	\$0	\$325

CIP Number: P2534

PROJECT SCHEDULE:

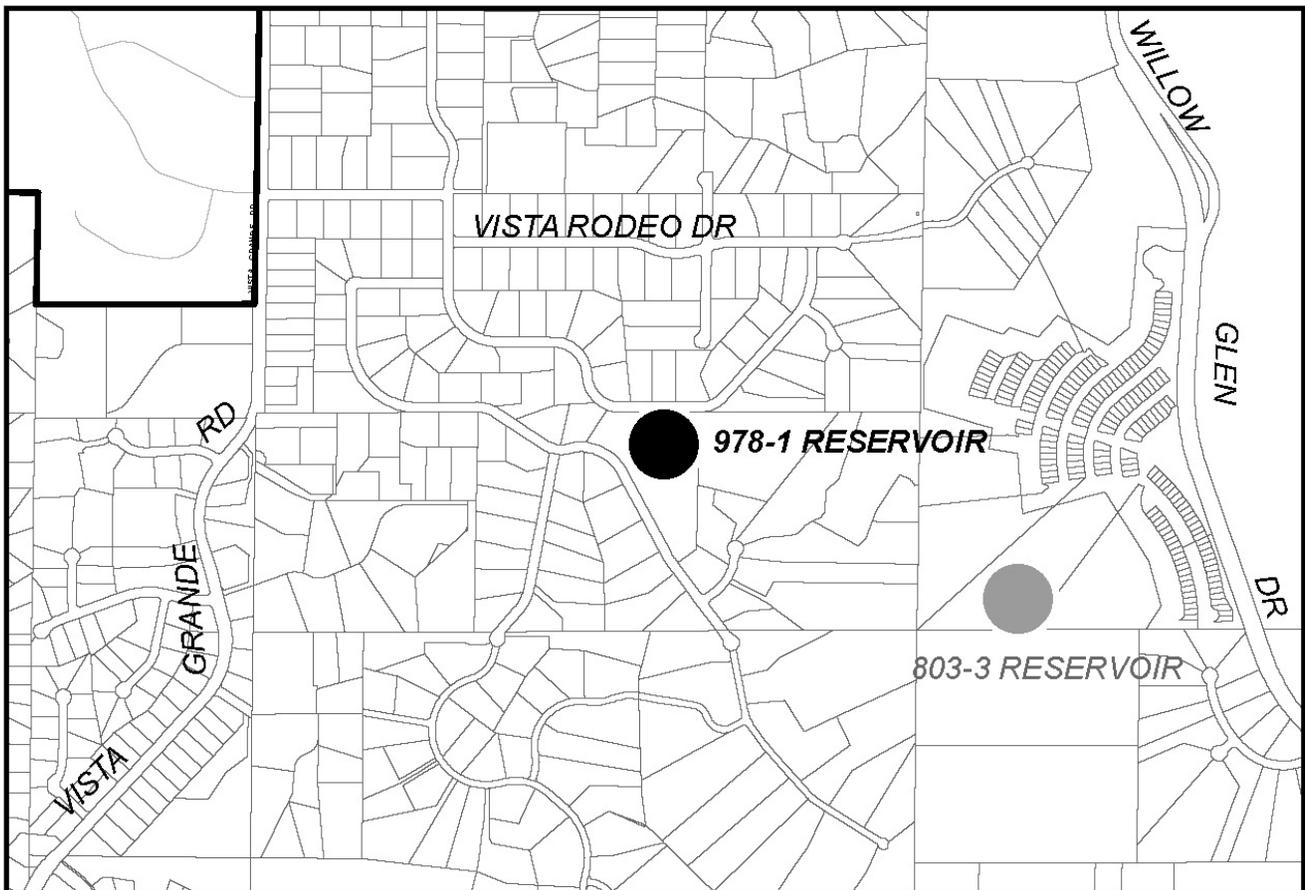
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	6/2/2016	9/30/2016	\$10
DESIGN:	10/1/2016	12/31/2016	\$40
CONSTRUCTION:	1/1/2017	6/30/2019	\$275

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 378



Submitted By: Jolene Fielding

Date: 5/7/2015

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

CIP Number: P2535

PROJECT MANAGER: Kevin Cameron

DIRECTOR DIVISION: 2

ORIGINAL APPROVED DATE: 5/15/2012

I.D. LOCATION: 22

RELATED CIP PROJECTS:

PRIORITY: 2

BUDGET AMOUNT: \$660,000

DESCRIPTION OF PROJECT:

This project provides funding for the interior and exterior coating of the 458-2 Reservoir. In addition, an assessment of the facility will be accomplished to assure compliance to all applicable codes and OSHA standards.

JUSTIFICATION OF PROJECT:

Based upon the 2011 Cathodic Assessment Report, the 458-2 Reservoir interior coating is in relatively poor condition and is in need of replacement. The exterior coating on the roof is failing and in need of replacement.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2535

PROJECT SCHEDULE:

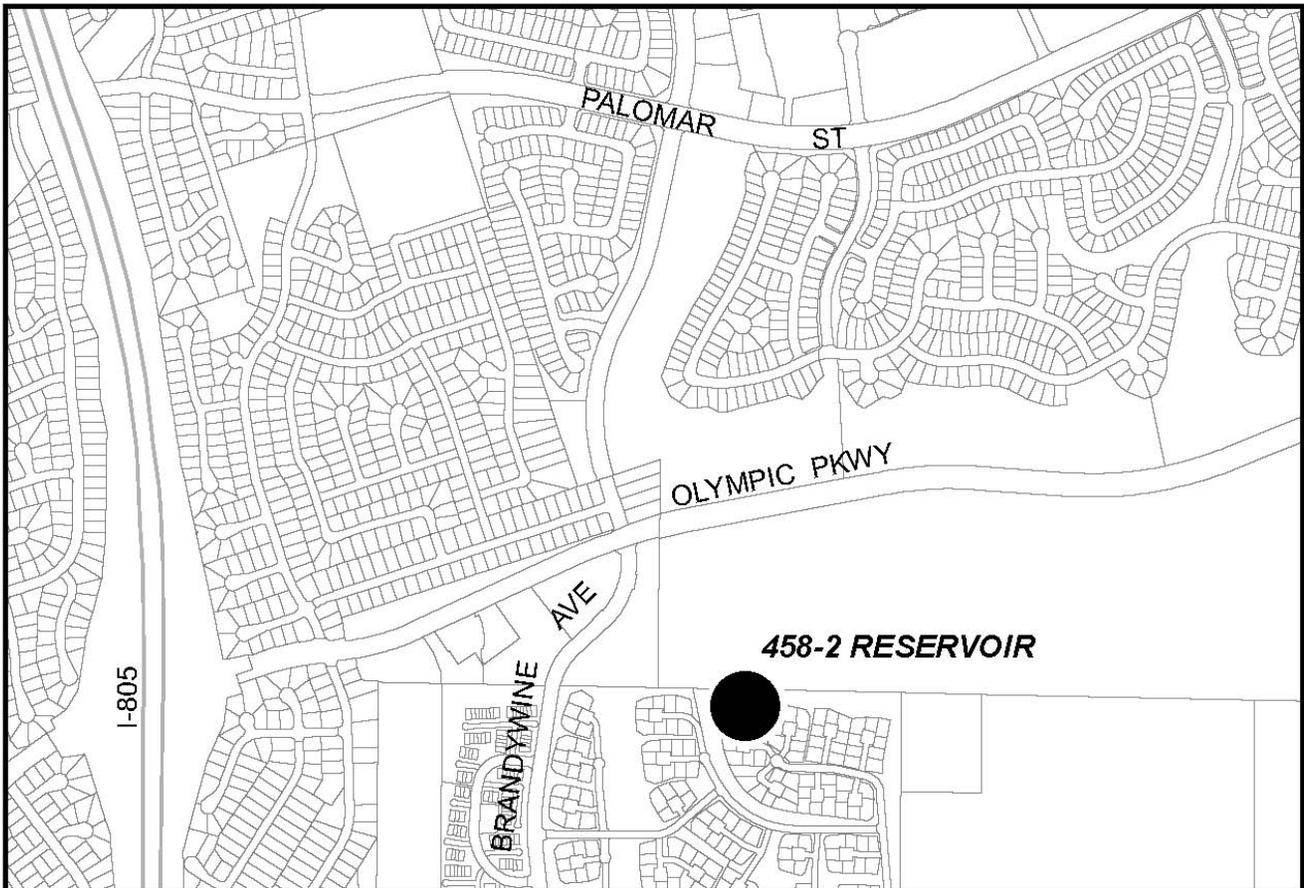
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	6/1/2013	9/30/2013	\$5
DESIGN:	10/1/2013	12/31/2014	\$65
CONSTRUCTION:	1/1/2015	6/30/2017	\$590

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 66



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: Administration and Operations Building Fire Sprinkler Replacement Program

CIP Number: P2538

PROJECT MANAGER: Kevin Cameron

DIRECTOR DIVISION: 5

ORIGINAL APPROVED DATE:

I.D. LOCATION: 22

RELATED CIP PROJECTS:

PRIORITY: 1

BUDGET AMOUNT: \$110,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2538

PROJECT SCHEDULE:

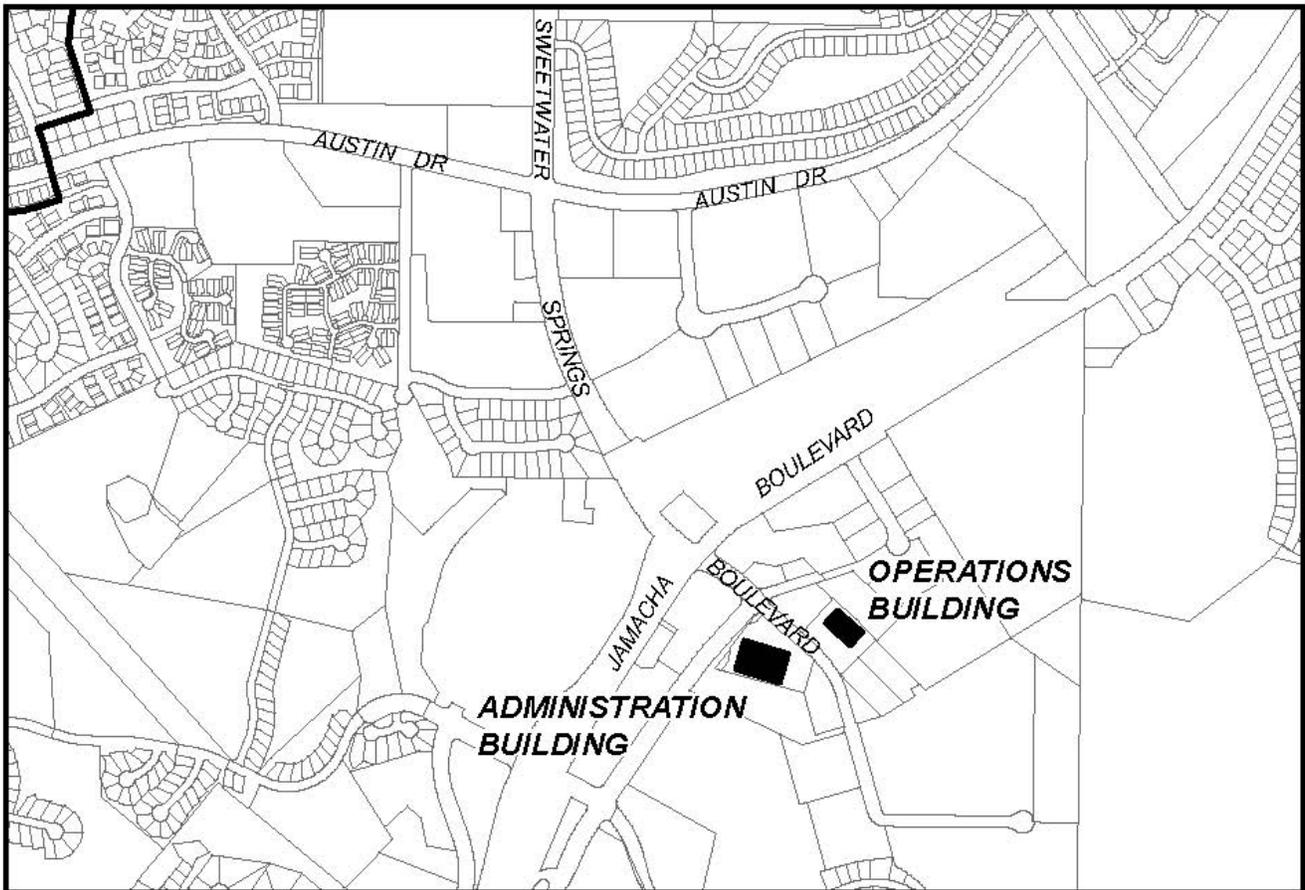
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	12/1/2012	7/1/2013	\$0
DESIGN:	7/1/2013	3/1/2014	\$40
CONSTRUCTION:	3/1/2014	6/30/2018	\$70

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 318



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: South Bay Bus Rapid Transit (BRT) Utility Relocations

CIP Number: P2539

DIRECTOR DIVISION: 1

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22/27

ORIGINAL APPROVED DATE:

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$940,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$600	\$100	\$100	\$40	\$0	\$0	\$940

CIP Number: P2539

PROJECT SCHEDULE:

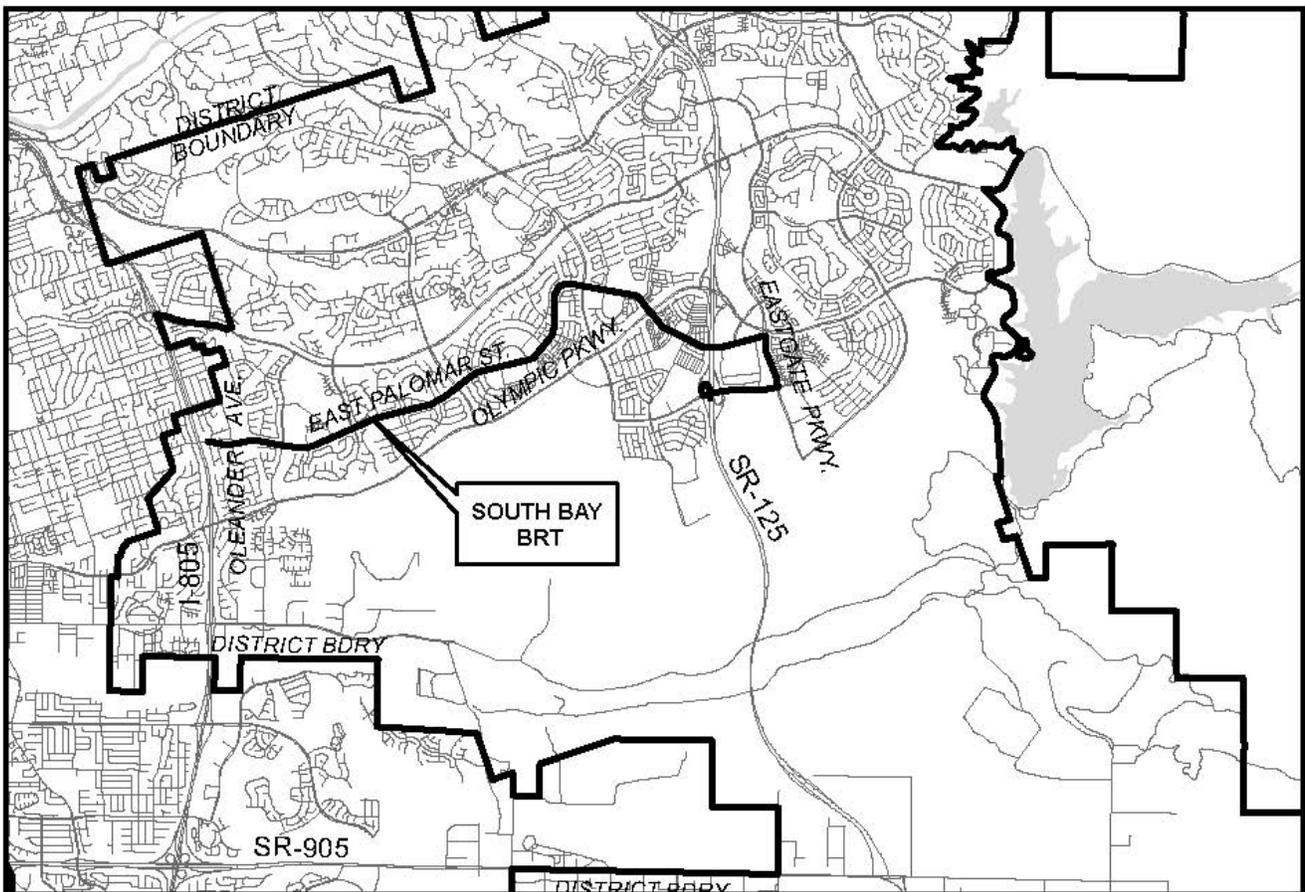
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2013	6/30/2014	\$15
DESIGN:	7/1/2014	6/30/2015	\$90
CONSTRUCTION:	7/1/2015	6/30/2019	\$835

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

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



Submitted By: Rita Bell

Date: 4/29/2015

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: \$530,000

DESCRIPTION OF PROJECT:

This project provides funding for the interior coating of the 850-3 Reservoir.

JUSTIFICATION OF PROJECT:

The interior coating is in poor condition and in need of replacement.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2542

PROJECT SCHEDULE:

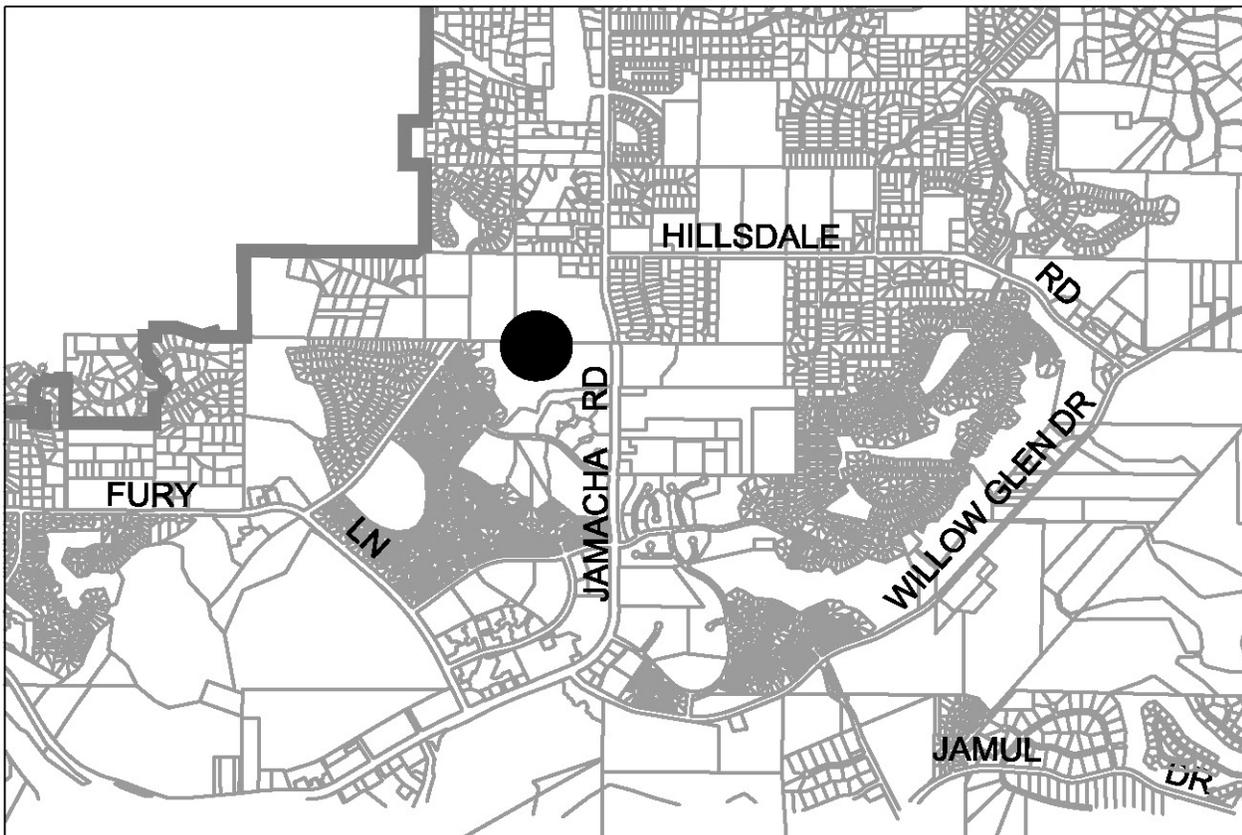
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	5/5/2015	7/31/2015	\$10
DESIGN:	8/1/2015	10/31/2015	\$60
CONSTRUCTION:	11/3/2015	6/30/2018	\$460

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 355



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: 850-1 Reservoir Interior/Exterior Coating

CIP Number: P2543

DIRECTOR DIVISION: 3

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$575,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2543

PROJECT SCHEDULE:

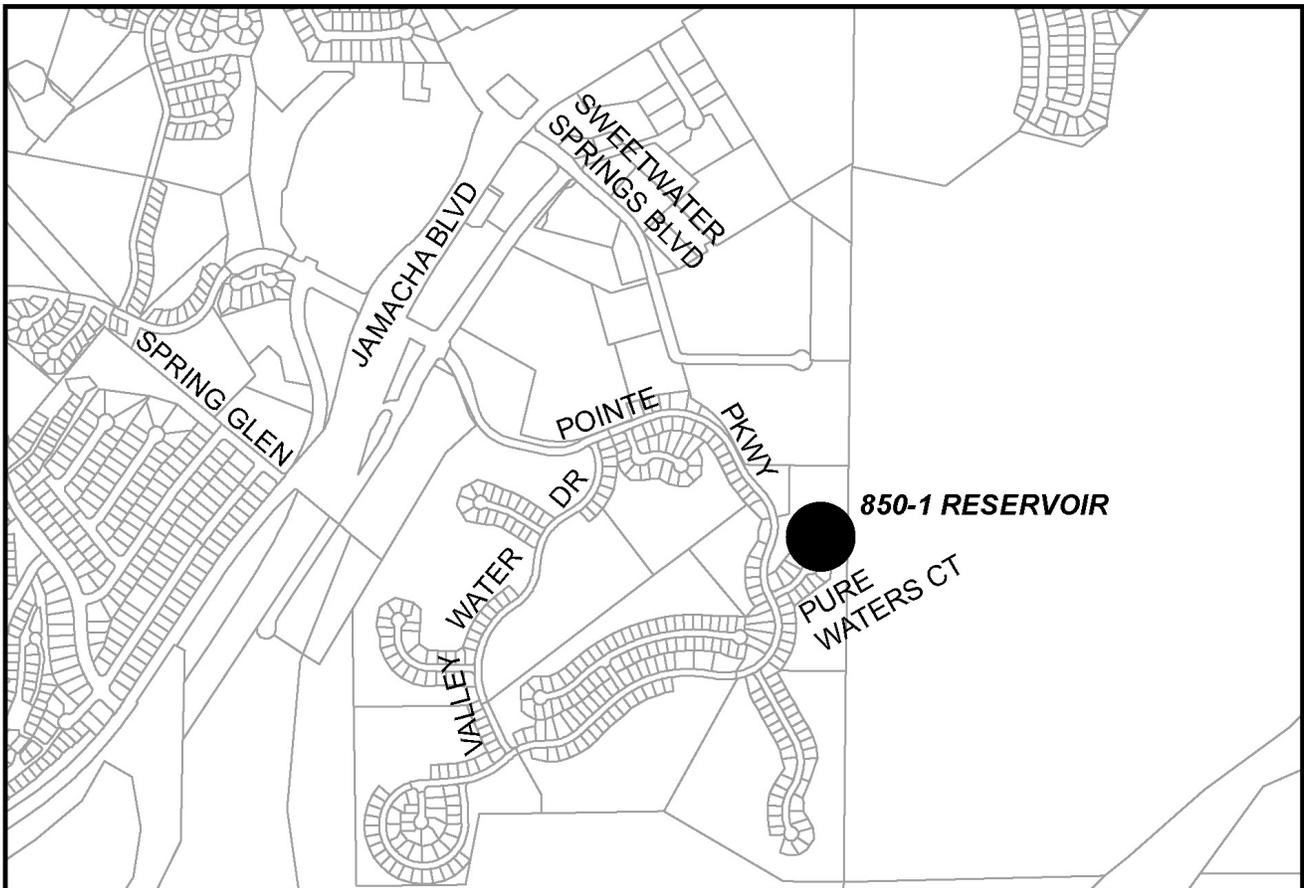
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	6/1/2018	6/29/2018	\$10
DESIGN:	7/2/2018	11/7/2018	\$40
CONSTRUCTION:	11/8/2018	6/1/2022	\$525

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 304



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: 850-2 Reservoir Interior/Exterior Reservoir Coating

CIP Number: P2544

DIRECTOR DIVISION: 3

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$940,000

DESCRIPTION OF PROJECT:

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

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:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$0	\$5	\$880	\$10	\$40	\$0	\$940

CIP Number: P2544

PROJECT SCHEDULE:

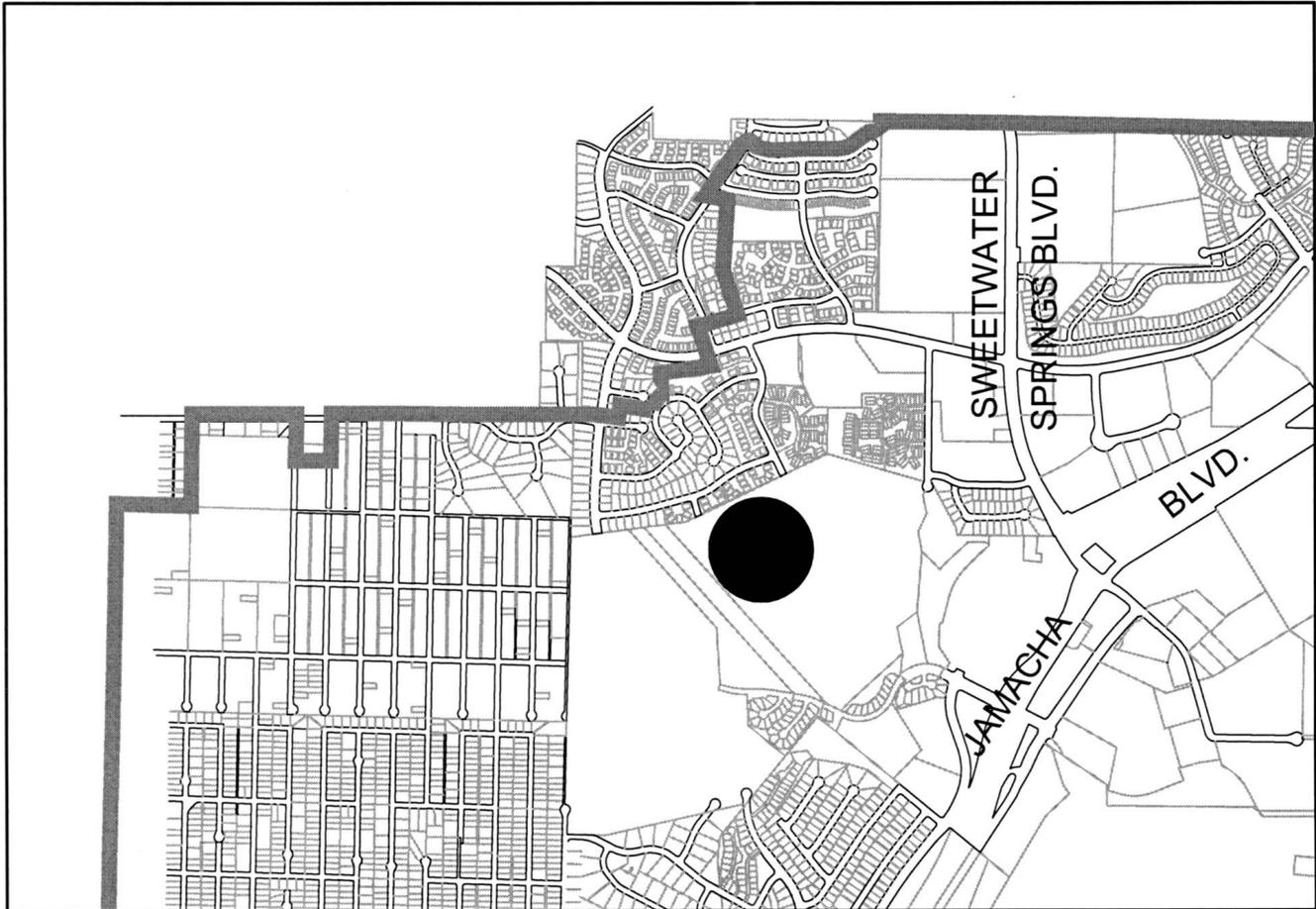
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	6/1/2018	6/29/2018	\$10
DESIGN:	7/2/2018	11/7/2018	\$65
CONSTRUCTION:	11/8/2018	6/1/2020	\$865

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 317



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: 980-1 Reservoir Interior Exterior Coating

CIP Number: P2545

DIRECTOR DIVISION: 5

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS: P2546

BUDGET AMOUNT: \$1,495,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2545

PROJECT SCHEDULE:

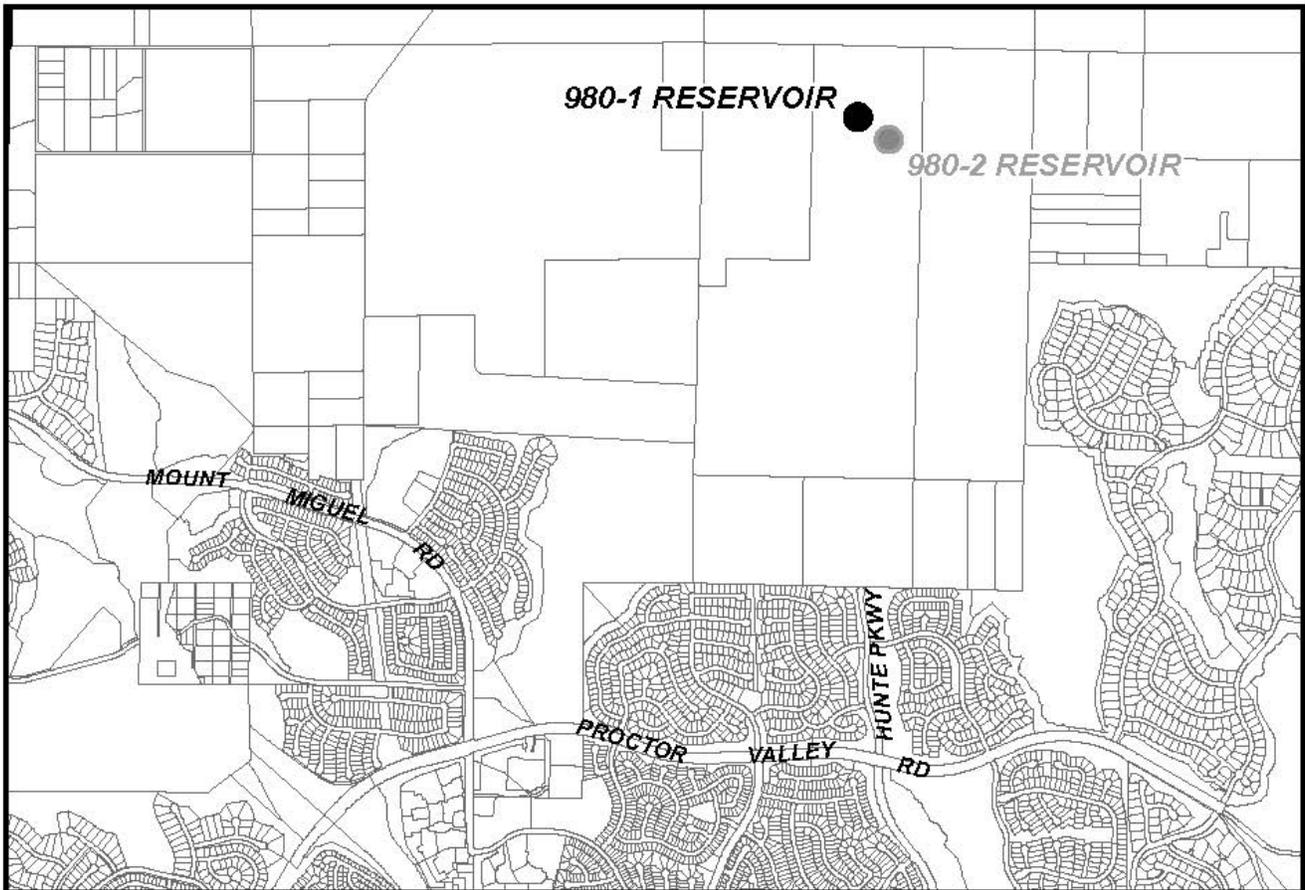
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	1/1/2015	6/30/2015	\$10
DESIGN:	7/1/2015	9/15/2015	\$85
CONSTRUCTION:	2/15/2016	6/30/2018	\$1,400

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 172



Submitted By: Jolene Fielding

Date: 5/5/2015

PROJECT TITLE: 980-2 Reservoir Interior/Exterior Coating

CIP Number: P2546

DIRECTOR DIVISION: 5

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS: P2545

BUDGET AMOUNT: \$1,450,000

DESCRIPTION OF PROJECT:

This project provides funding for the interior and exterior coating of the 980-2 Reservoir. In addition, an assessment of the facility will be accomplished to assure compliance to all applicable codes and OSHA standards.

JUSTIFICATION OF PROJECT:

Based upon the current Cathodic Assessment Report, the interior and exterior coatings on the 980-2 Reservoir are nearing the end of their useful life and are in need of replacement.

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2546

PROJECT SCHEDULE:

PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	3/4/2019	6/3/2019	\$10
DESIGN:	6/4/2019	8/15/2019	\$40
CONSTRUCTION:	8/16/2019	7/15/2021	\$1,400

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 172



Submitted By: Kevin Cameron

Date: 2/17/2015

PROJECT TITLE: Fuel Island Upgrade	CIP Number: P2550
PROJECT MANAGER: Kent Payne	DIRECTOR DIVISION: 3
ORIGINAL APPROVED DATE:	I.D. LOCATION: 22
RELATED CIP PROJECTS: P2549	PRIORITY: 1
	BUDGET AMOUNT: \$75,000

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.

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2550

PROJECT SCHEDULE:

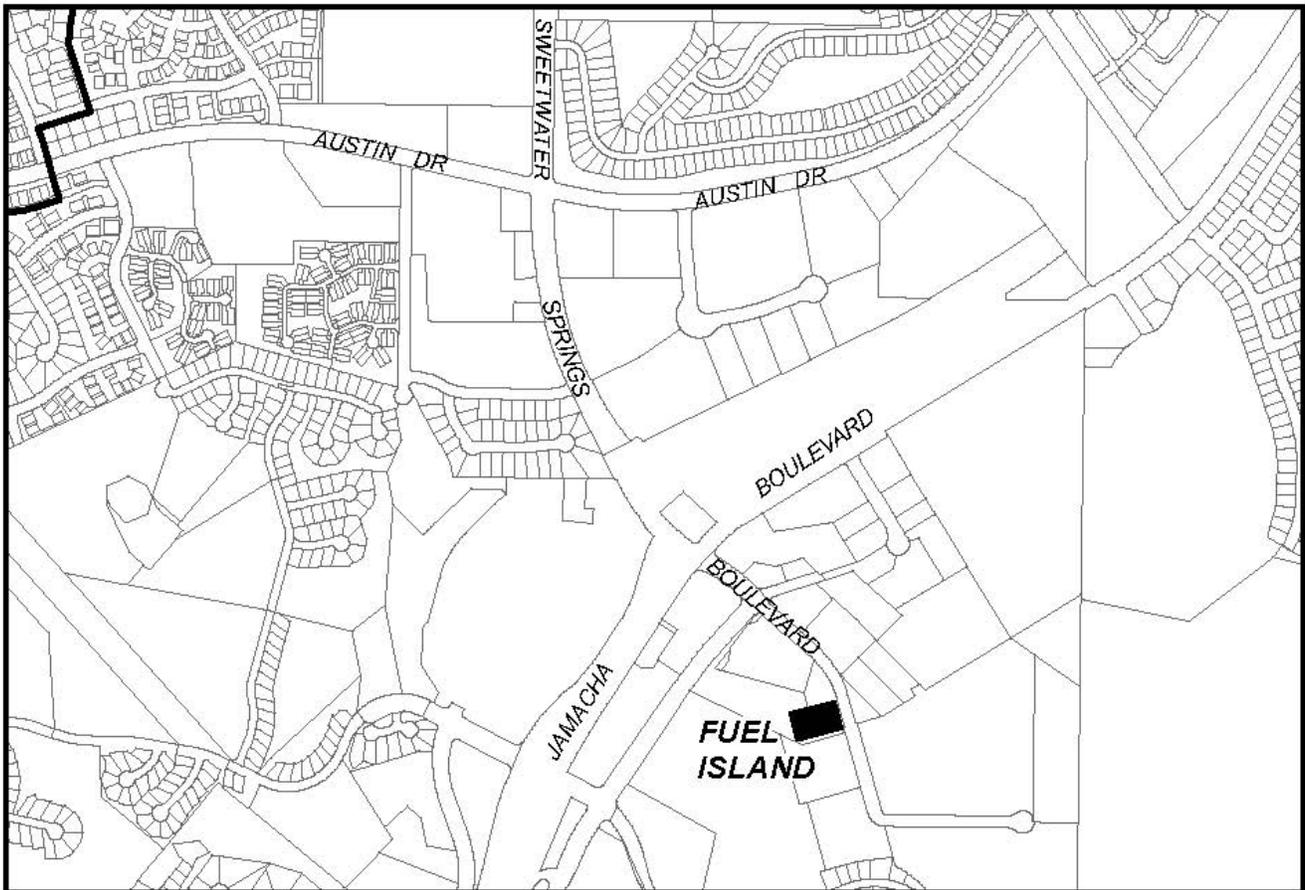
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	6/1/2015	7/31/2015	\$5
DESIGN:	8/1/2015	9/30/2015	\$10
CONSTRUCTION:	10/1/2015	12/31/2015	\$60

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 318



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: Heritage Road Bridge Replacement and Utility Relocation

CIP Number: P2553

DIRECTOR DIVISION: 2

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$1,200,000

DESCRIPTION OF PROJECT:

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

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2553

PROJECT SCHEDULE:

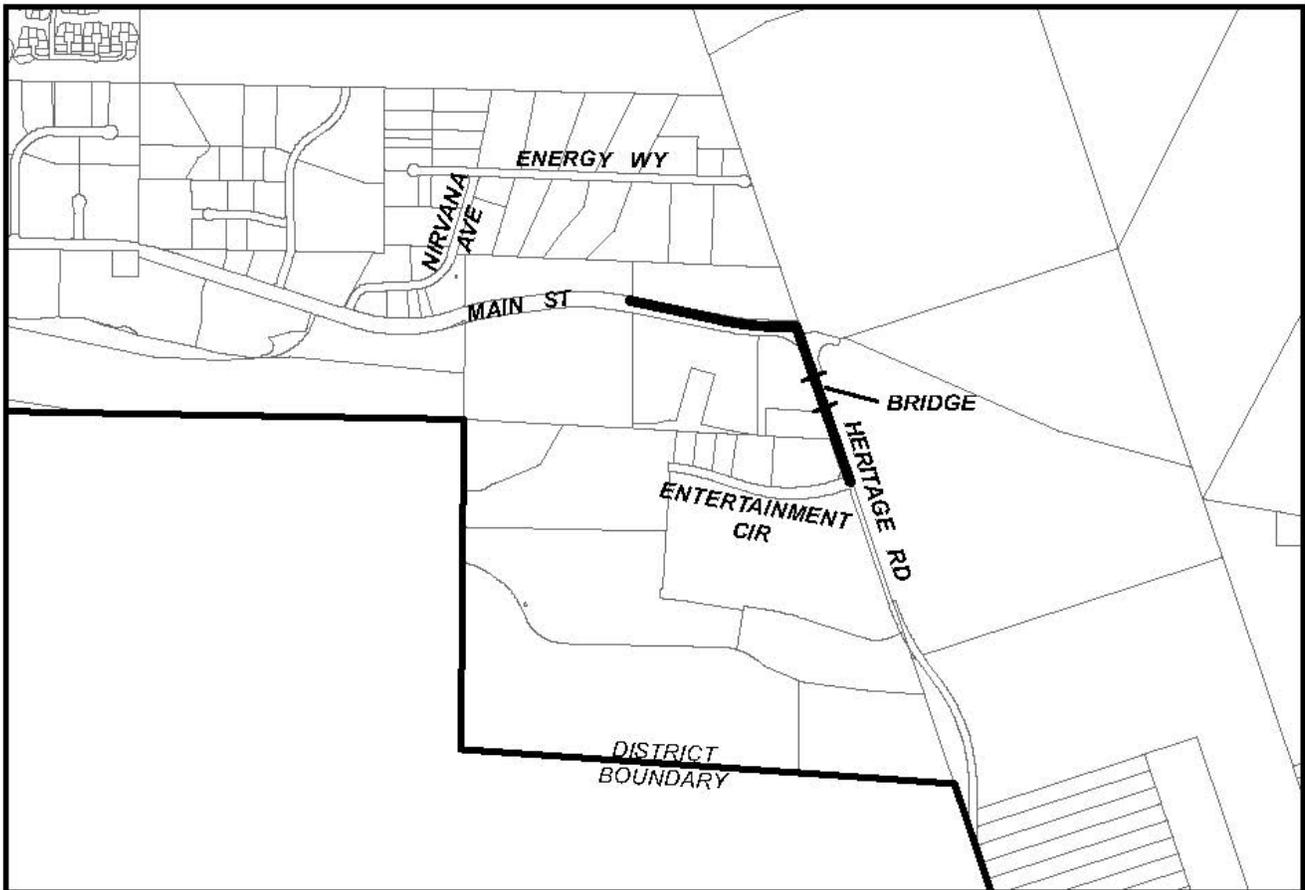
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2014	6/30/2015	\$50
DESIGN:	7/1/2015	6/30/2016	\$150
CONSTRUCTION:	7/1/2016	6/30/2020	\$1,000

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 50 & 51



Submitted By: Jolene Fielding

Date: 5/7/2015

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE: 520 Res Recirculation Pipeline Chemical Supply and Analyzer Feed Replacement Project	CIP Number: P2557
PROJECT MANAGER: Stephen Beppler	DIRECTOR DIVISION: 5
ORIGINAL APPROVED DATE:	I.D. LOCATION: 22
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$100,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2557

PROJECT SCHEDULE:

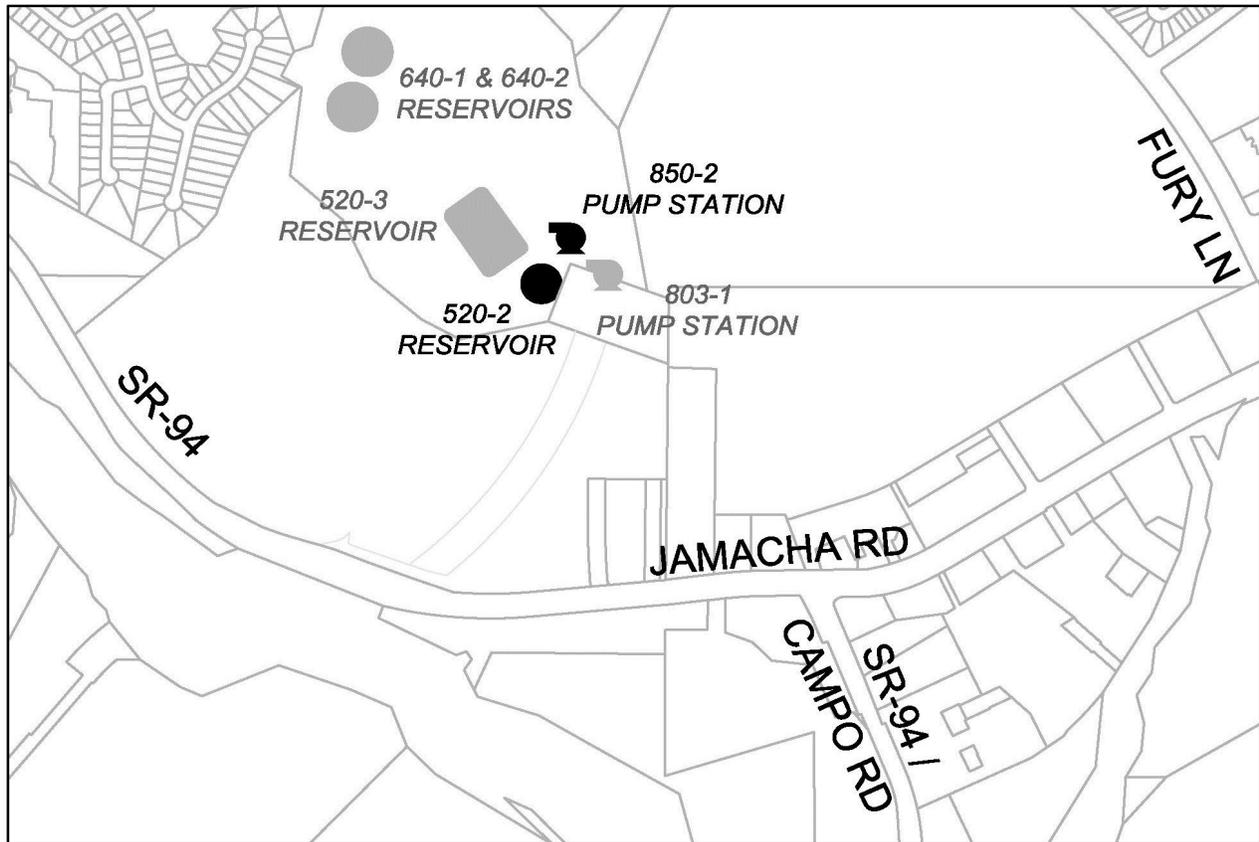
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	6/30/2016	\$5
DESIGN:	7/1/2016	6/30/2017	\$25
CONSTRUCTION:	7/1/2017	6/30/2019	\$70

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 343



Submitted By: Jolene Fielding

Date: 5/11/2015

PROJECT TITLE: Additional pump station fuel storage

CIP Number: P2558

DIRECTOR DIVISION: 255

PROJECT MANAGER: Doug Rahders

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$25,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2558

PROJECT SCHEDULE:

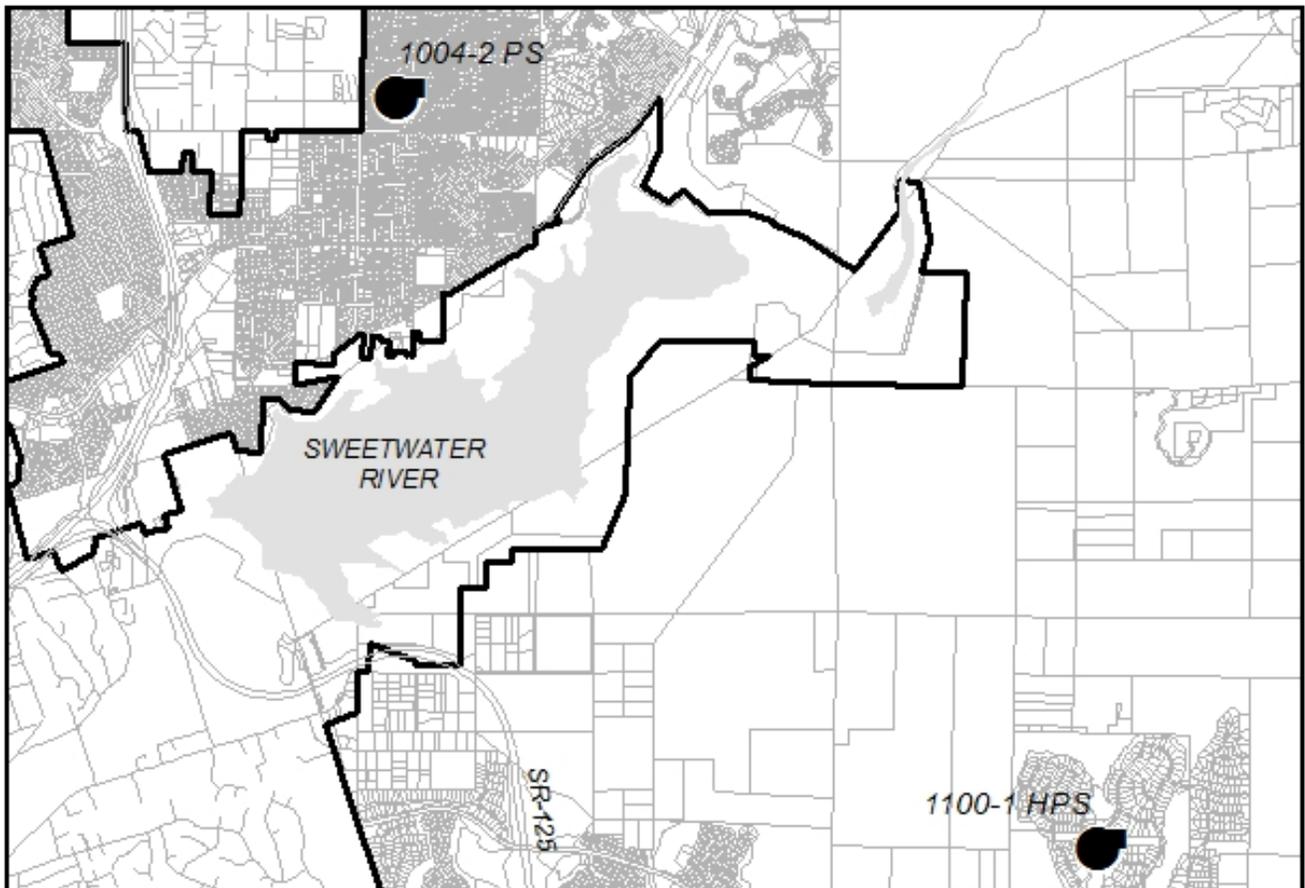
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2015	6/30/2016	\$25

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 302 & 160



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: Pressure Vessel Repair and Replacement Program

CIP Number: P2559

DIRECTOR DIVISION: 0

PROJECT MANAGER: Jeff Marchioro

I.D. LOCATION: District Wide

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$300,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$0	\$50	\$250	\$0	\$0	\$0	\$300

CIP Number: P2559

PROJECT SCHEDULE:

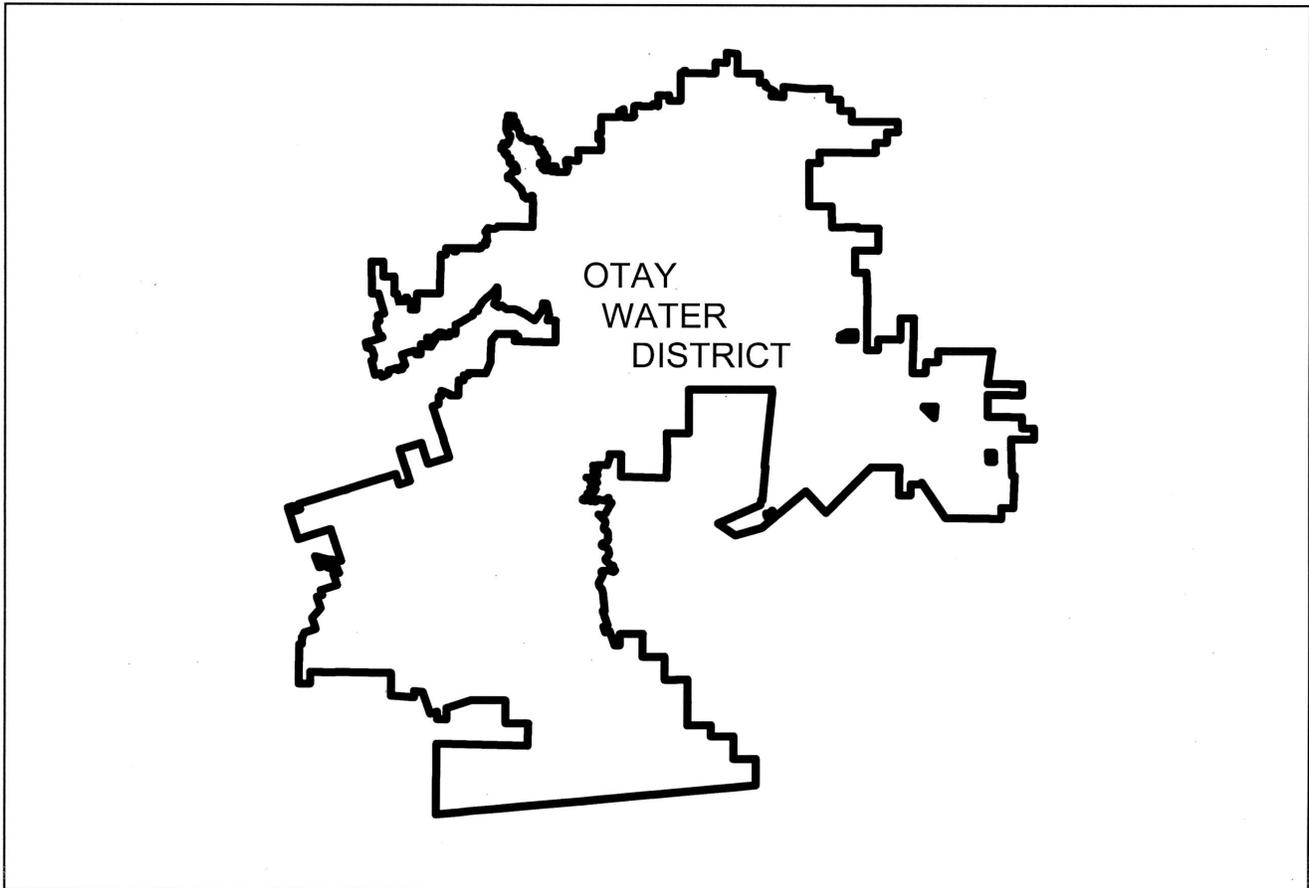
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	12/31/2016	\$10
DESIGN:	1/1/2016	12/31/2016	\$50
CONSTRUCTION:	3/1/2016	6/30/2017	\$240

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/6/2015

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

CIP Number: P2564

PROJECT SCHEDULE:

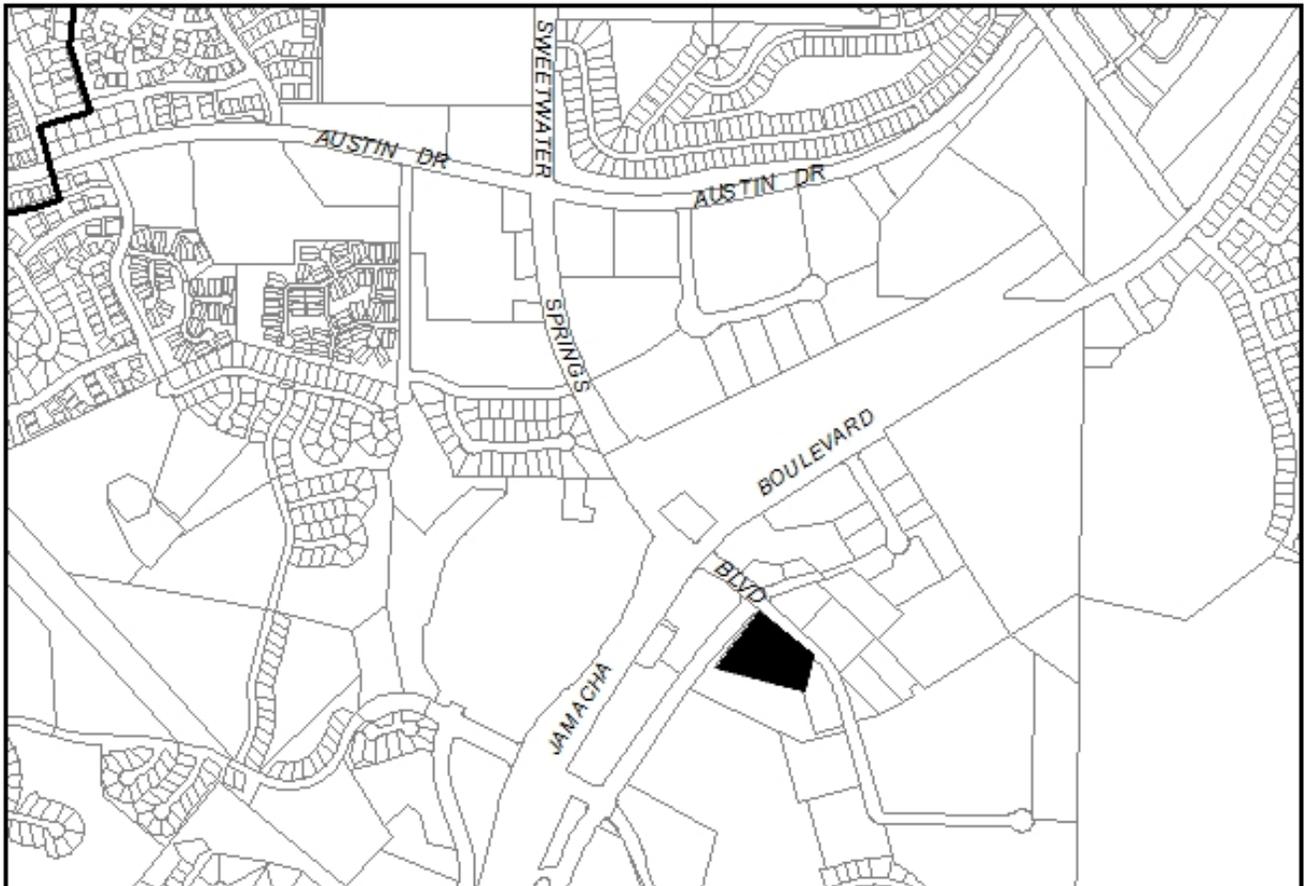
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2015	6/30/2018	\$215

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 318



Submitted By: Jolene Fielding

Date: 5/7/2015

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

CIP Number: P2565

DIRECTOR DIVISION: 5

PROJECT MANAGER: Kevin Cameron

I.D. LOCATION: 22

ORIGINAL APPROVED DATE:

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$725,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2565

PROJECT SCHEDULE:

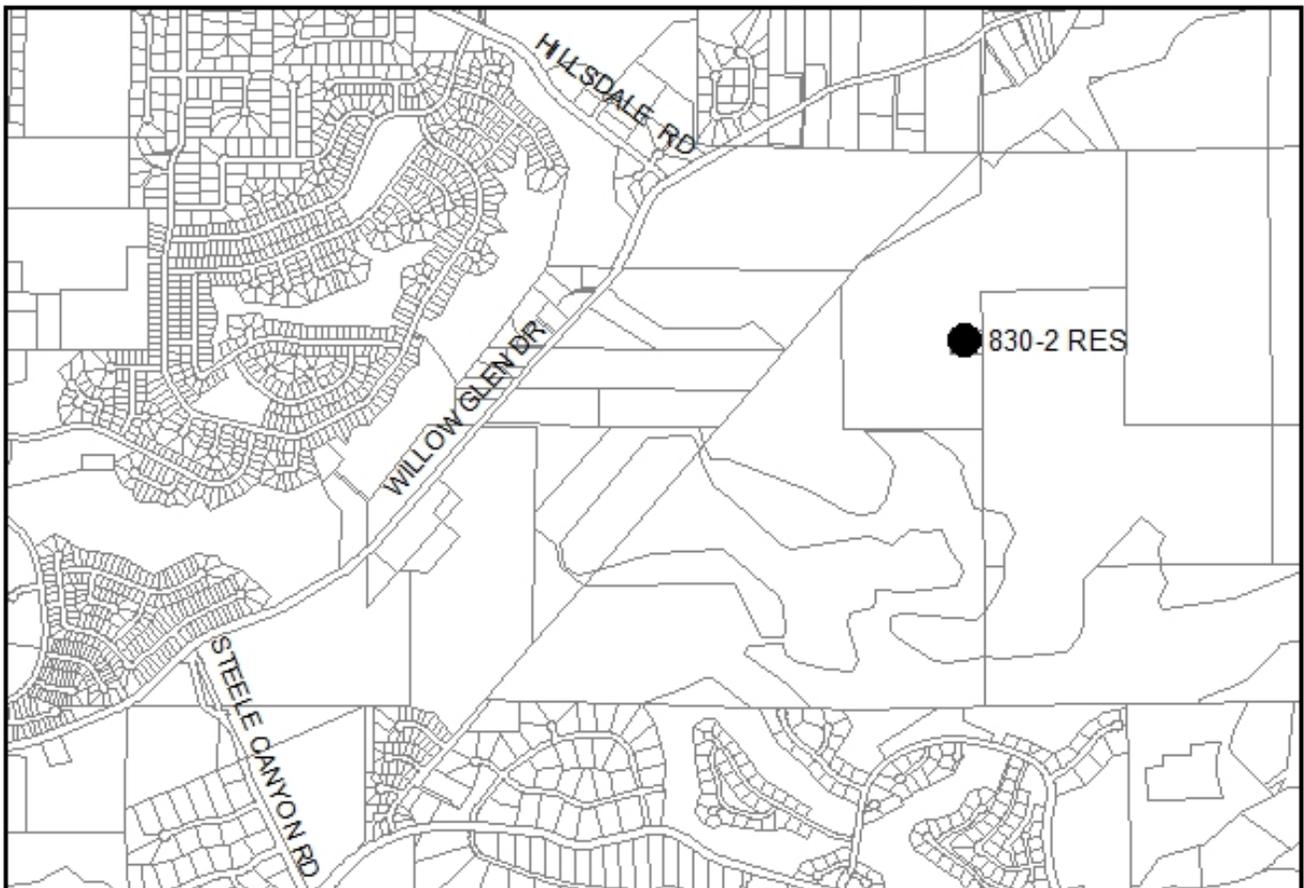
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	1/1/2019	6/30/2019	\$5
DESIGN:	7/1/2019	10/1/2019	\$70
CONSTRUCTION:	10/2/2019	6/30/2020	\$650

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 357



Submitted By: Jolene Fielding

Date: 5/7/2015

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

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: \$1,790,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2566

PROJECT SCHEDULE:

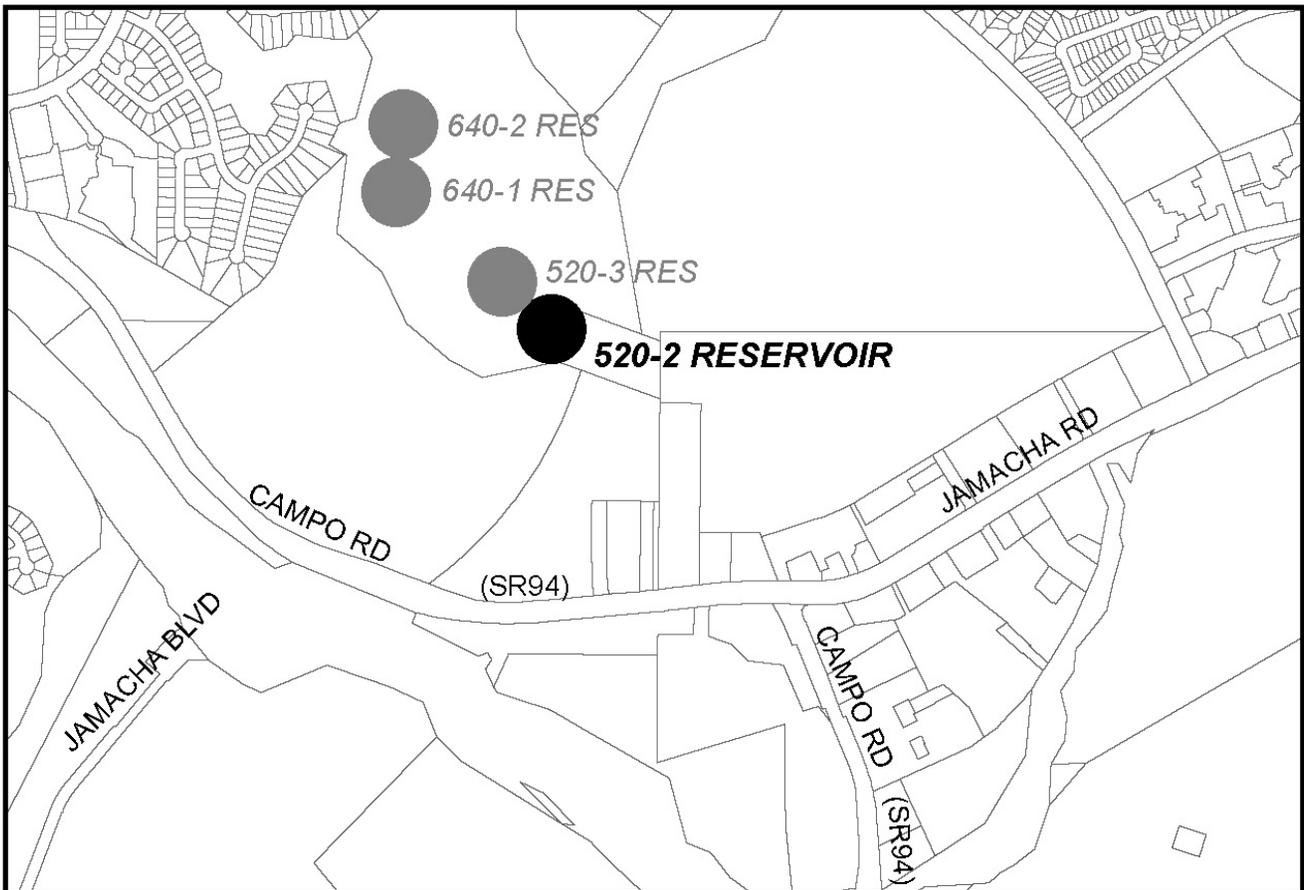
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	1/4/2021	6/30/2021	\$10
DESIGN:	7/1/2021	9/30/2021	\$90
CONSTRUCTION:	10/1/2021	6/30/2022	\$1,690

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 343



Submitted By: Jolene Fielding

Date: 5/11/2015

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE: 1004-2 Reservoir Interior/Exterior Coating & Upgrades	CIP Number: P2567
PROJECT MANAGER: Kevin Cameron	DIRECTOR DIVISION: 3
ORIGINAL APPROVED DATE:	I.D. LOCATION: 22
RELATED CIP PROJECTS:	PRIORITY: 3
	BUDGET AMOUNT: \$565,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2567

PROJECT SCHEDULE:

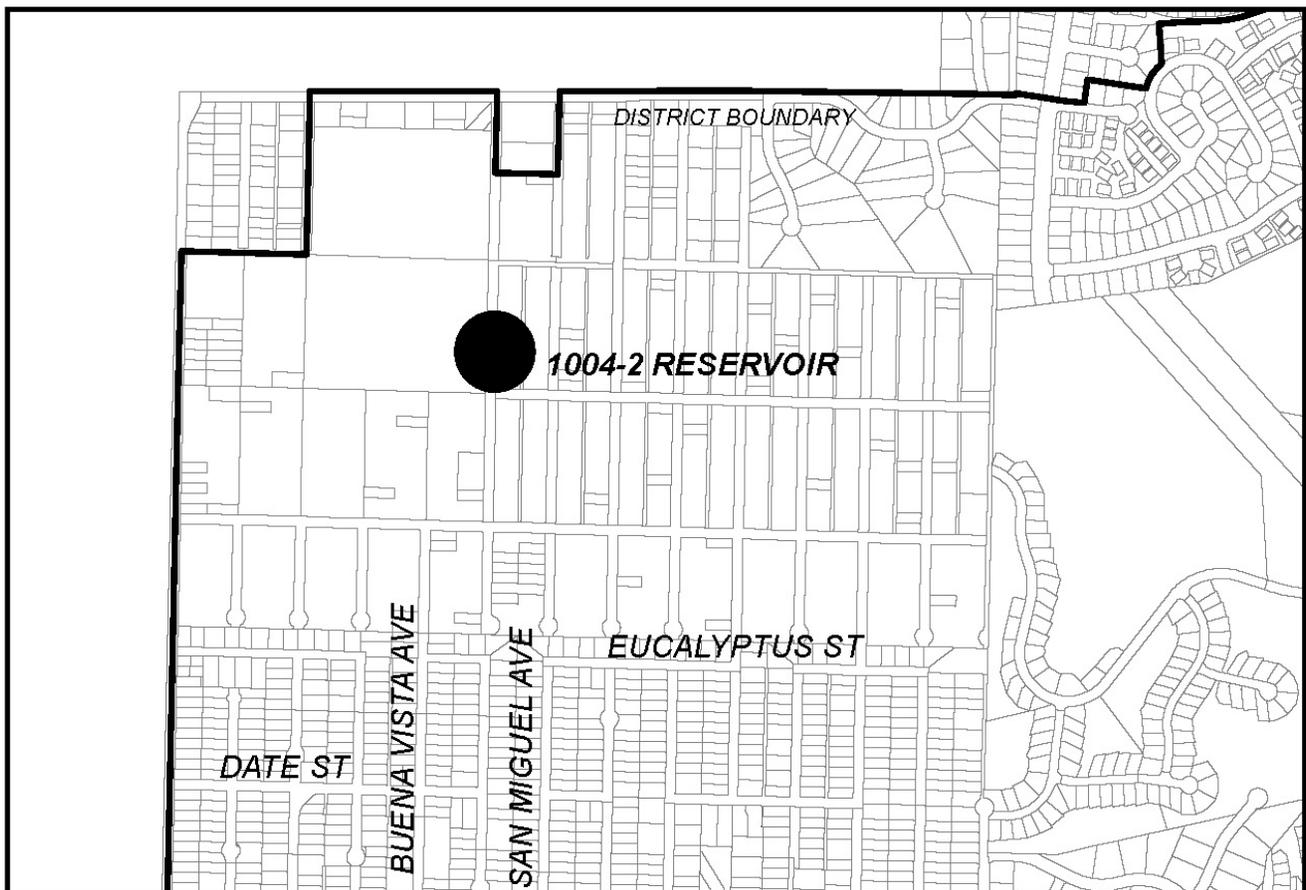
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	1/4/2021	6/30/2021	\$10
DESIGN:	7/1/2021	9/30/2021	\$65
CONSTRUCTION:	10/1/2021	6/30/2022	\$490

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 316



Submitted By: Jolene Fielding

Date: 5/11/2015

PROJECT TITLE:	Sweetwater River Wooden Trestle Improvement for the Recycled Water Force main	CIP Number: R2109					
		DIRECTOR DIVISION: 3					
PROJECT MANAGER:	Stephen Beppler	I.D. LOCATION: 22/27					
ORIGINAL APPROVED DATE:	5/14/2014	PRIORITY: 2					
RELATED CIP PROJECTS:		BUDGET AMOUNT: \$600,000					
DESCRIPTION OF PROJECT:							
Modification of the wooden trestle to reduce the potential damage of a wildfire event to the structure.							
JUSTIFICATION OF PROJECT:							
The existing wooden trestle over the Sweetwater River supports a 14-inch steel force main for recycled water. The 200 foot long wooden trestle was built in 1980 and a recent assessment has recommended a brush management plan be prepared to extend into the adjacent San Diego National Wildlife Refuge. The report also recommends the installation of a heat shield, installation of a fire suppression system, or modification of the existing structure to reduce the threat of wildfire to the structure.							
COMMENTS:							
FUND DETAILS:							
FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total		
Replacement	0 %	0 %	100 %	0 %	100 %		
TOTAL:	0 %	0 %	100 %	0 %	100 %		
EXPENDITURE SCHEDULE (X \$1,000):							
PRIOR YEARS:	FY	FY	FY	FY	FY	FY	FY
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$106	\$400	\$10	\$0	\$0	\$0	\$516

CIP Number: R2109

PROJECT SCHEDULE:

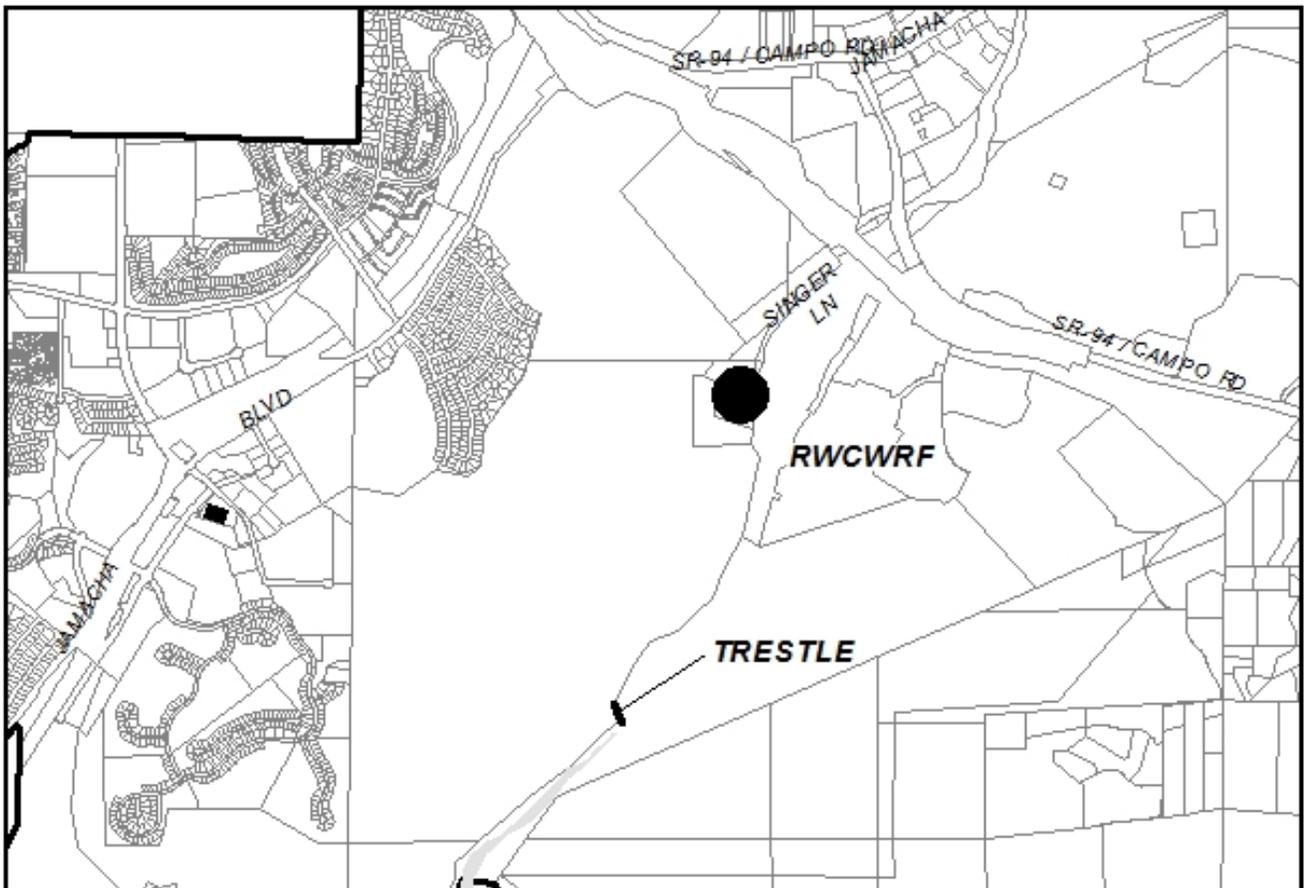
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2014	6/30/2015	\$100
DESIGN:	7/1/2015	6/30/2016	\$100
CONSTRUCTION:	7/1/2016	6/30/2017	\$400

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 319



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: RWCWRF - 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: \$600,000

DESCRIPTION OF PROJECT:

Replace and upgrade the RAS pumps to 360 GPM to improve process control of the plant.

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$350	\$250	\$0	\$0	\$0	\$0	\$600

CIP Number: R2111

PROJECT SCHEDULE:

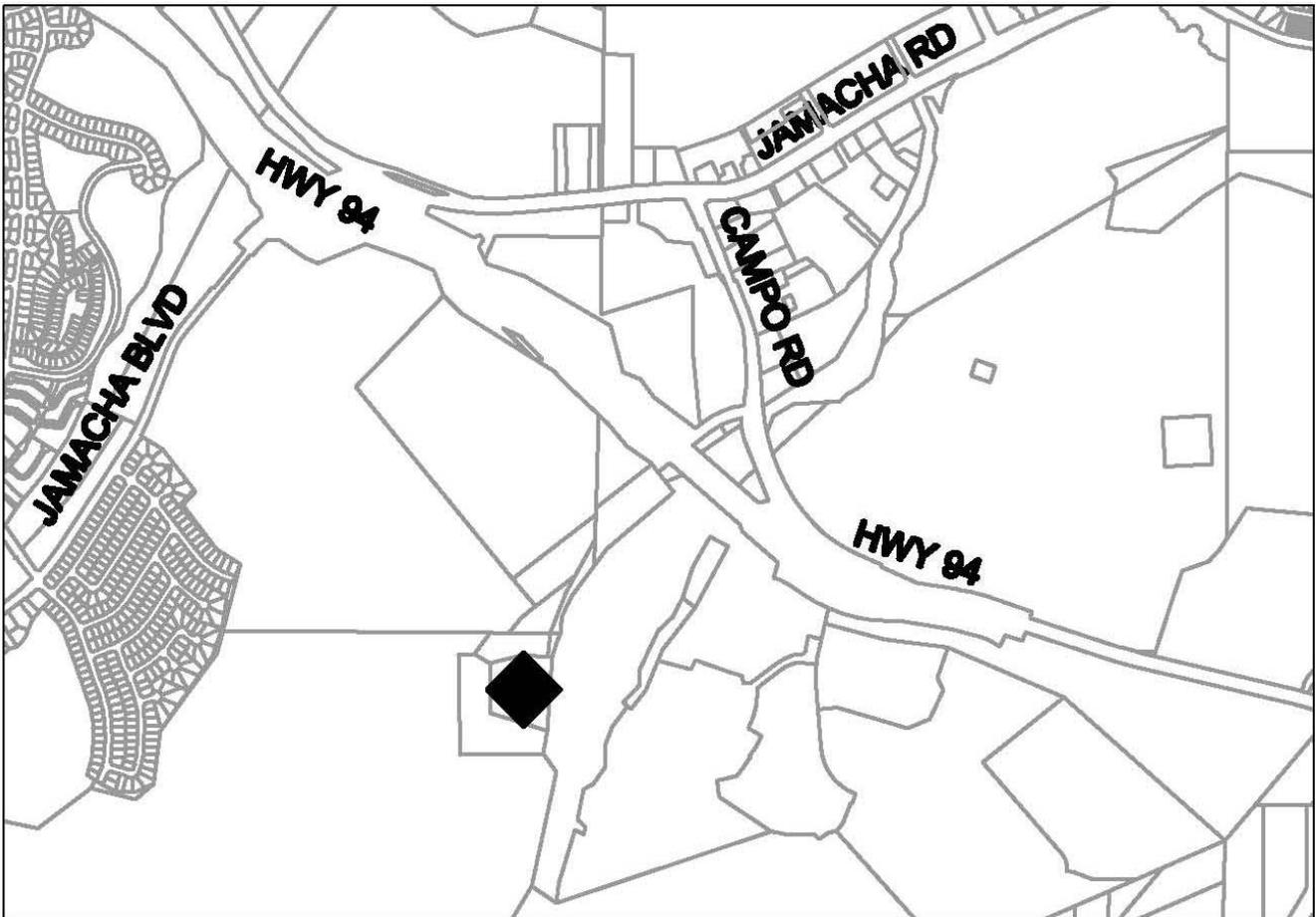
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2013	6/30/2014	\$10
DESIGN:	7/1/2014	6/30/2015	\$75
CONSTRUCTION:	7/1/2015	6/30/2016	\$515

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 319



Submitted By: Jolene Fielding

Date: 5/7/2015

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE: 450-1 Disinfection Facility Rehabilitation	CIP Number: R2112
PROJECT MANAGER: Kevin Cameron	DIRECTOR DIVISION: 2
ORIGINAL APPROVED DATE:	I.D. LOCATION: 22
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$265,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: R2112

PROJECT SCHEDULE:

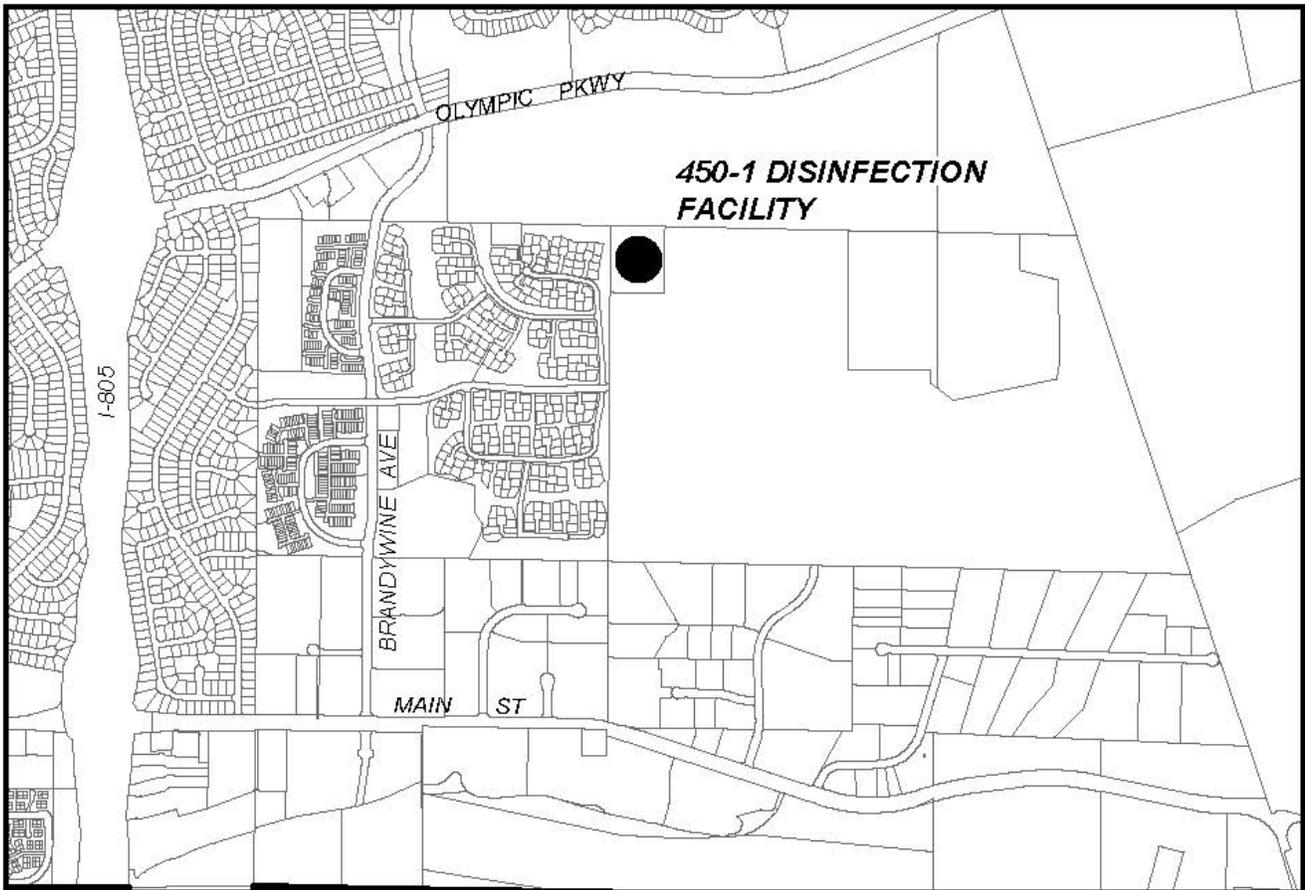
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2014	6/30/2014	\$5
DESIGN:	7/1/2014	6/30/2015	\$50
CONSTRUCTION:	7/1/2016	6/30/2017	\$200

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 66



Submitted By: Jolene Fielding

Date: 5/7/2015

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE: RecPL - 14-Inch, 927 Zone, Forcemain Assessment and Repair	CIP Number: R2116
PROJECT MANAGER: Jeff Marchioro	DIRECTOR DIVISION: 3
ORIGINAL APPROVED DATE:	I.D. LOCATION: 22
RELATED CIP PROJECTS:	PRIORITY: 1
	BUDGET AMOUNT: \$1,750,000

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

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

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

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: R2116

PROJECT SCHEDULE:

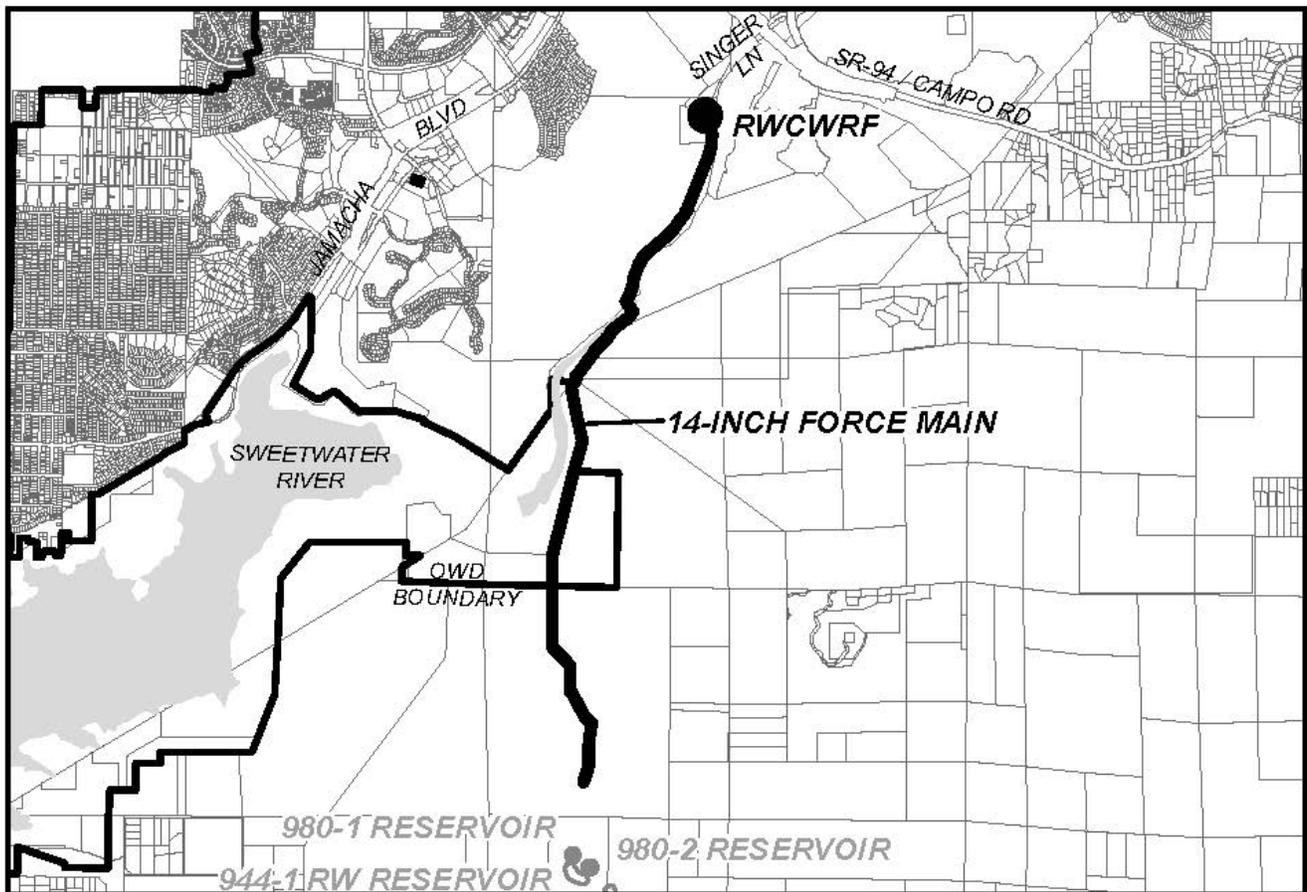
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2014	3/31/2017	\$500
DESIGN:	1/1/2015	6/30/2017	\$200
CONSTRUCTION:	1/1/2015	6/30/2019	\$1,050

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

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



Submitted By: Rita Bell

Date: 5/12/2015

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:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$0	\$10	\$245	\$245	\$0	\$0	\$500

CIP Number: R2120

PROJECT SCHEDULE:

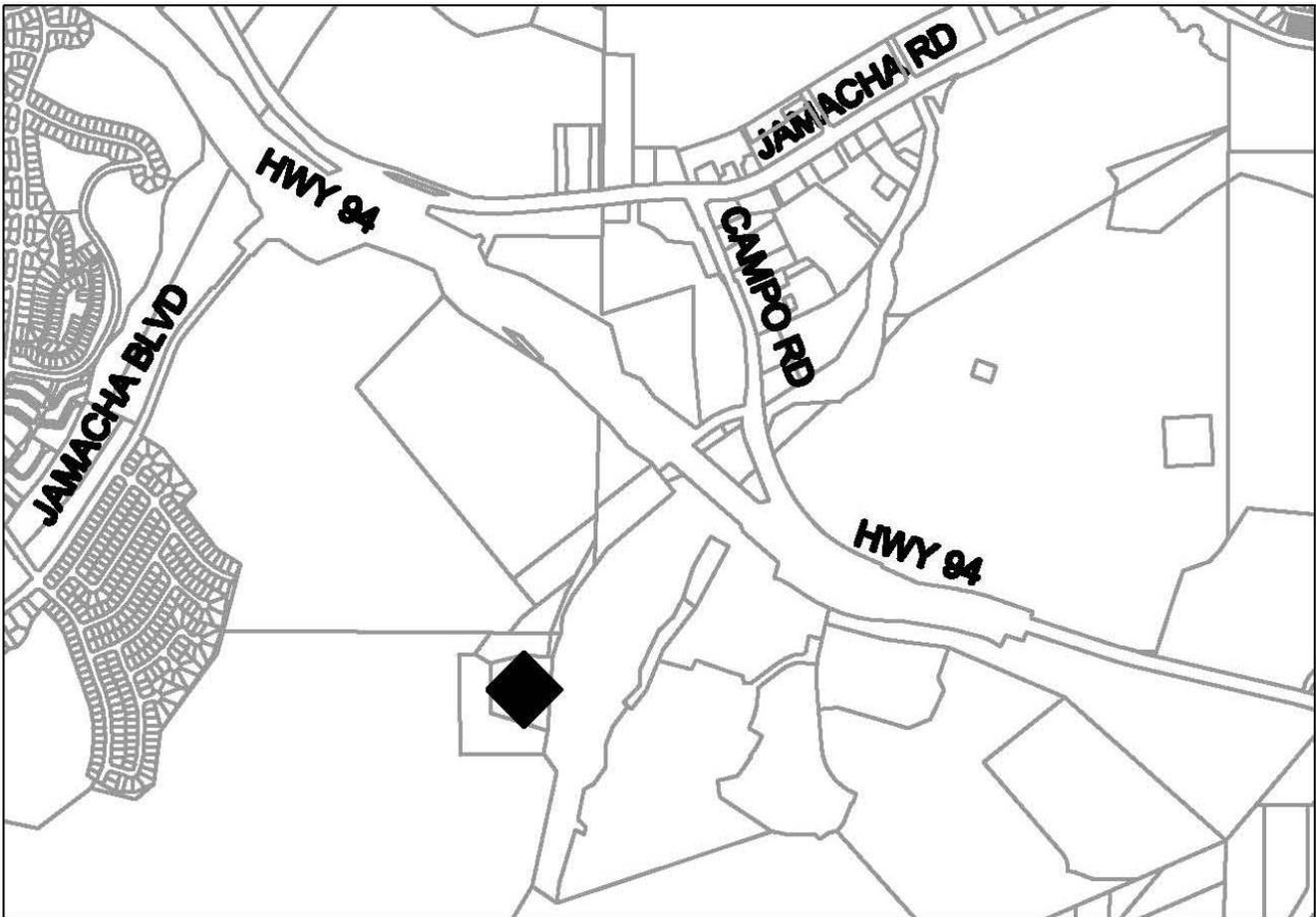
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2015	2/1/2016	\$10
DESIGN:	1/1/2016	10/31/2016	\$40
CONSTRUCTION:	10/1/2016	3/1/2018	\$450

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 319



Submitted By: Jolene Fielding

Date: 5/7/2015

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

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

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: S2012

PROJECT SCHEDULE:

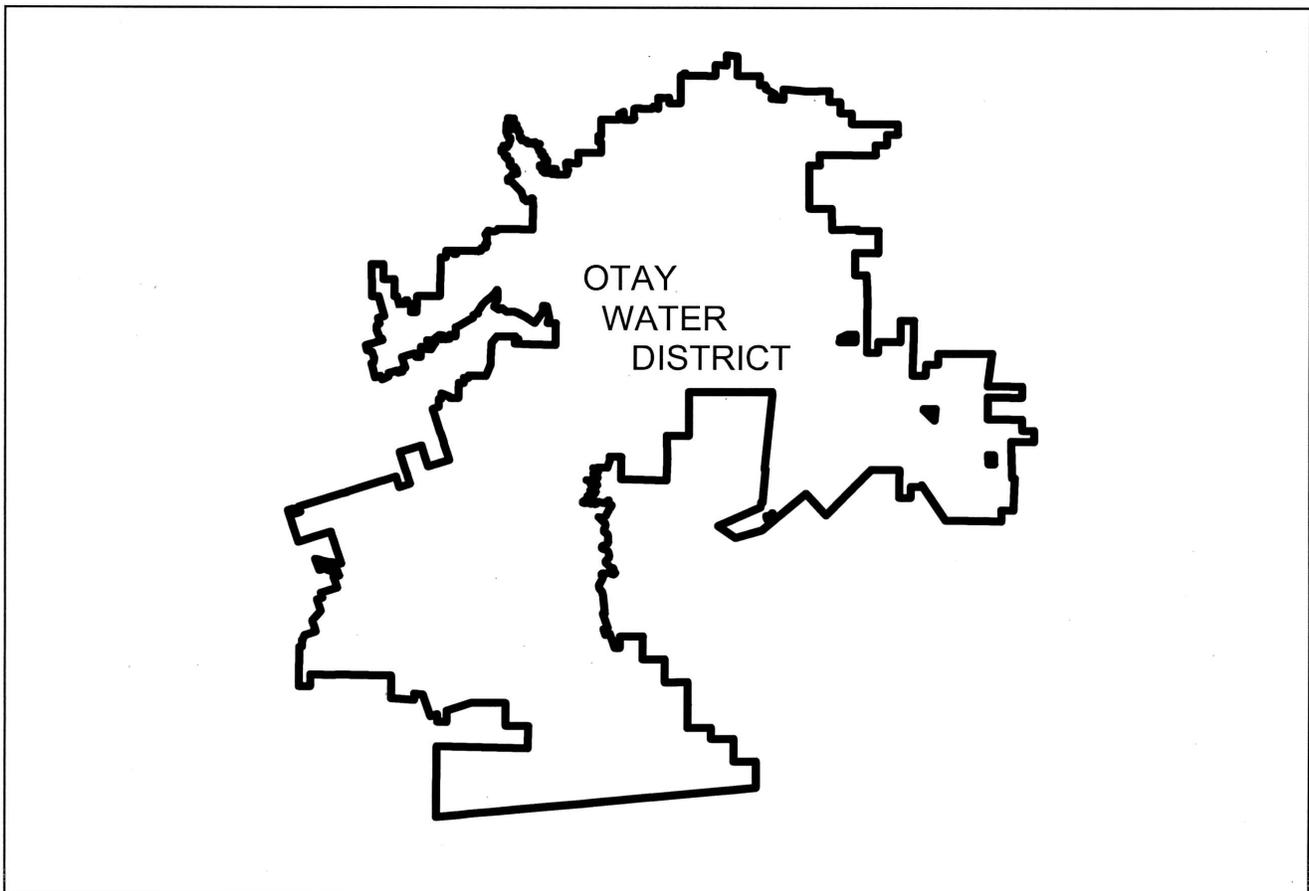
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:			\$0
DESIGN:			\$0
CONSTRUCTION:	7/1/2003	6/30/2025	\$3,550

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/11/2015

PROJECT TITLE: Campo Road Sewer Main Replacement

CIP Number: S2024

DIRECTOR DIVISION: 3

PROJECT MANAGER: Stephen Beppler

I.D. LOCATION: 18

ORIGINAL APPROVED DATE: 5/17/2010

PRIORITY: 2

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$5,500,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

FUNDING SOURCE:	Expansion	Betterment	Replacement	New Water Supply	Total
Betterment ID 18	0 %	50 %	0 %	0 %	50 %
Replacement	0 %	0 %	50 %	0 %	50 %
TOTAL:	0 %	50 %	50 %	0 %	100 %

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
	\$600	\$500	\$3,400	\$1,000	\$0	\$0	\$0
							\$5,500

CIP Number: S2024

PROJECT SCHEDULE:

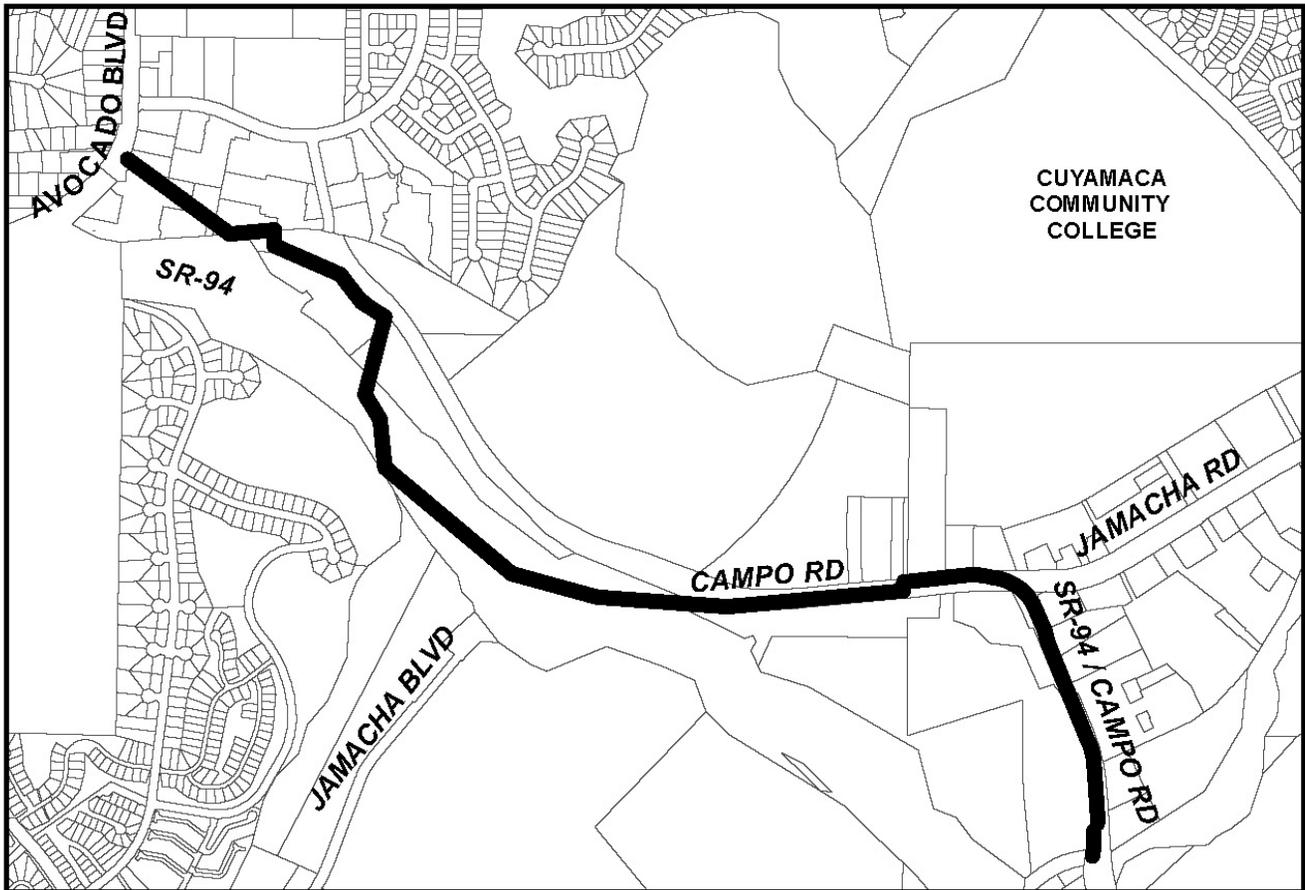
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2010	6/1/2014	\$100
DESIGN:	1/1/2015	4/1/2016	\$900
CONSTRUCTION:	4/1/2016	6/30/2018	\$4,500

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 330



Submitted By: Jolene Fielding

Date: 5/6/2015

PROJECT TITLE: Rancho San Diego Pump Station Rehabilitation

CIP Number: S2027

PROJECT MANAGER: Stephen Beppler

DIRECTOR DIVISION: 3

ORIGINAL APPROVED DATE: 5/16/2011

I.D. LOCATION: 18

RELATED CIP PROJECTS:

PRIORITY: 1

BUDGET AMOUNT: \$3,500,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: S2027

PROJECT SCHEDULE:

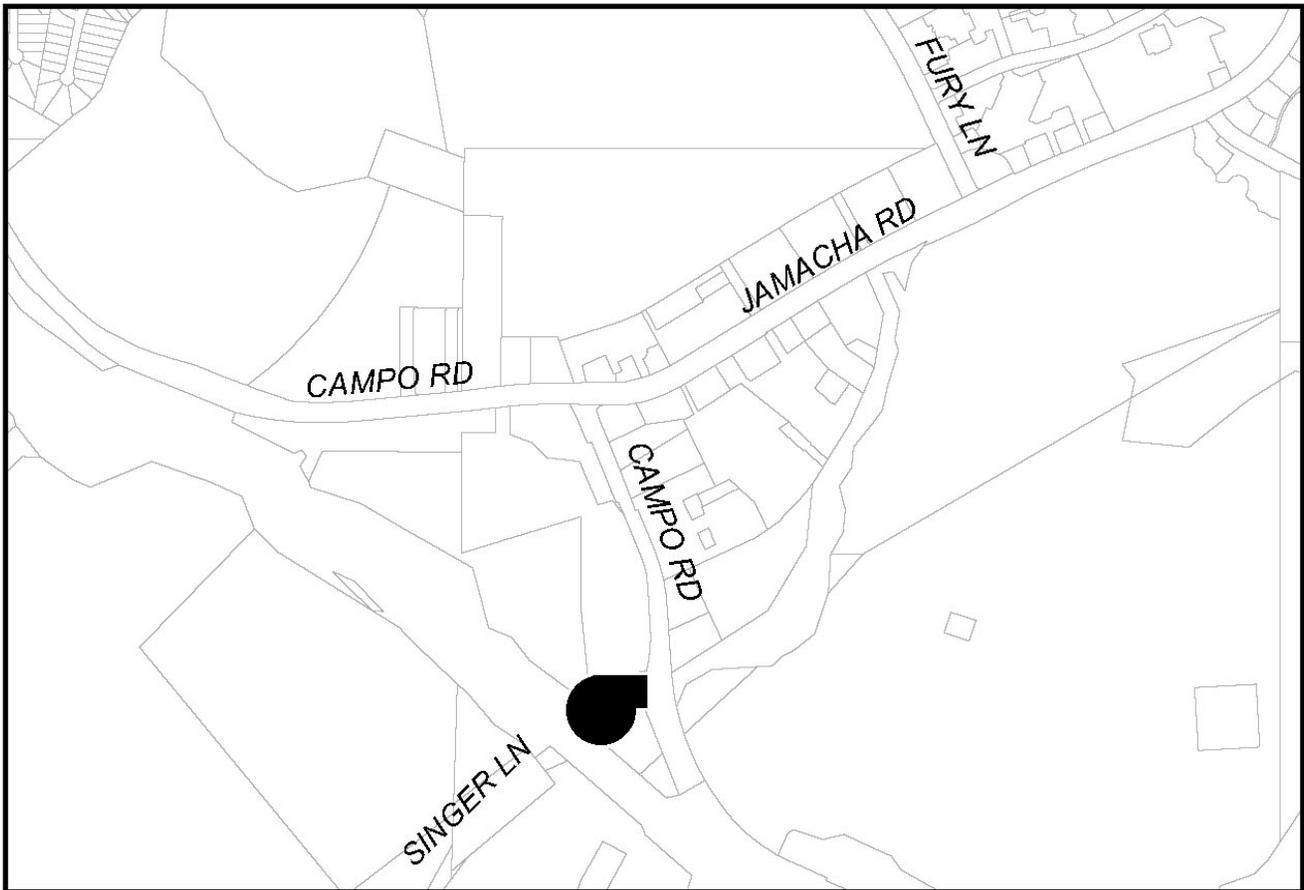
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2011	7/1/2013	\$50
DESIGN:	7/1/2013	6/30/2015	\$500
CONSTRUCTION:	7/1/2015	6/30/2019	\$2,950

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 331



Submitted By: Rita Bell

Date: 4/27/2015

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

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

Project being designed and constructed in phases based upon area and type of repair. Calavo Basin Phase 1 under construction in Spring 2015. Rancho San Diego (RSD) Basin Phase 1 and Trenchless Repair under design Spring 2015, construction FY2016. Future phases of Calavo and RSD to follow in subsequent FYs.

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

PRIOR YEARS:	FY						
TOTAL	2016	2017	2018	2019	2020	2021	Total
\$1,400	\$900	\$800	\$800	\$800	\$800	\$500	\$6,000

CIP Number: S2033

PROJECT SCHEDULE:

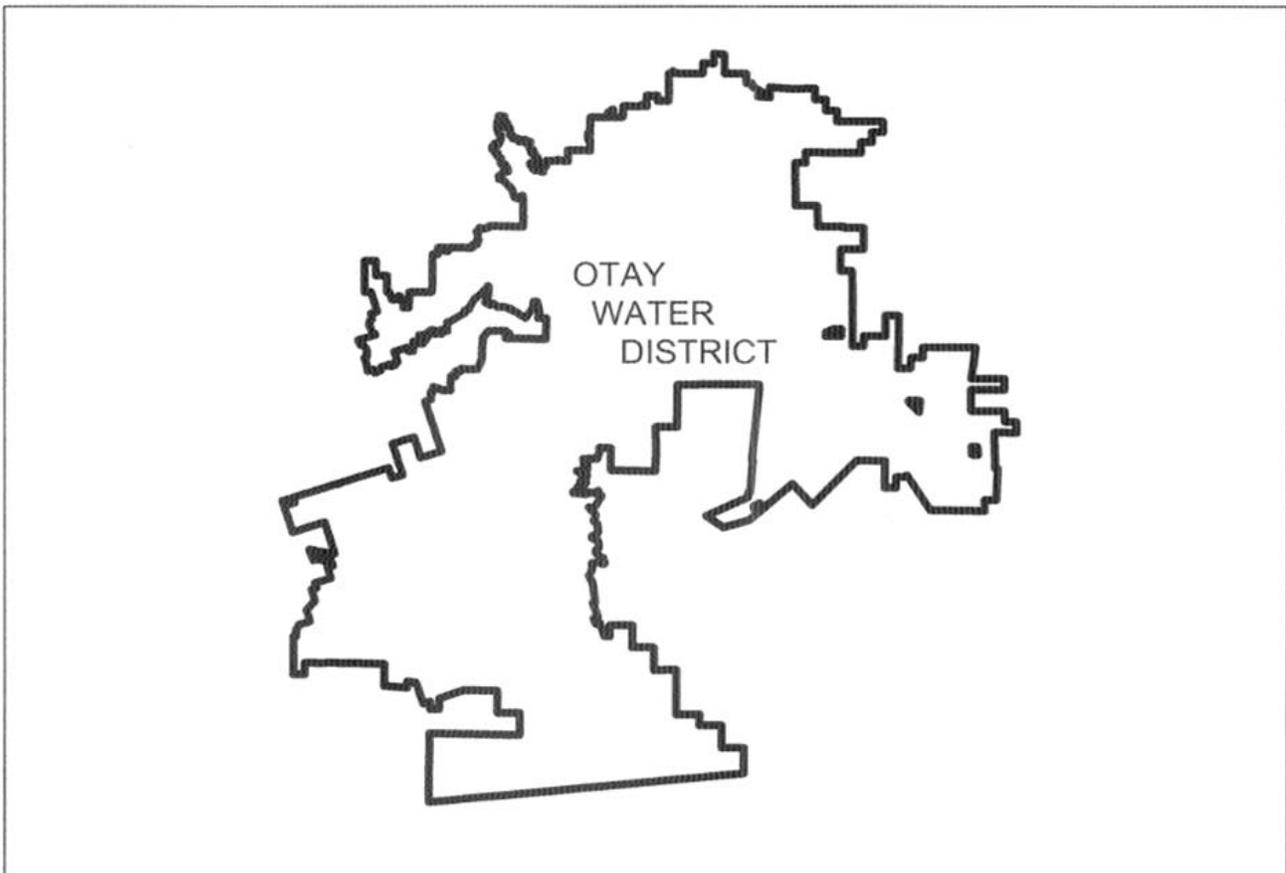
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/2011	1/1/2016	\$400
DESIGN:	3/1/2013	1/1/2017	\$1,000
CONSTRUCTION:	6/30/2014	6/30/2021	\$4,600

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: Vehicle Capital Purchases

CIP Number: P2282

DIRECTOR DIVISION: 0

PROJECT MANAGER: Doug Rahders

I.D. LOCATION: District Wide

ORIGINAL APPROVED DATE: 6/3/1996

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$5,191,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

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

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2282

PROJECT SCHEDULE:

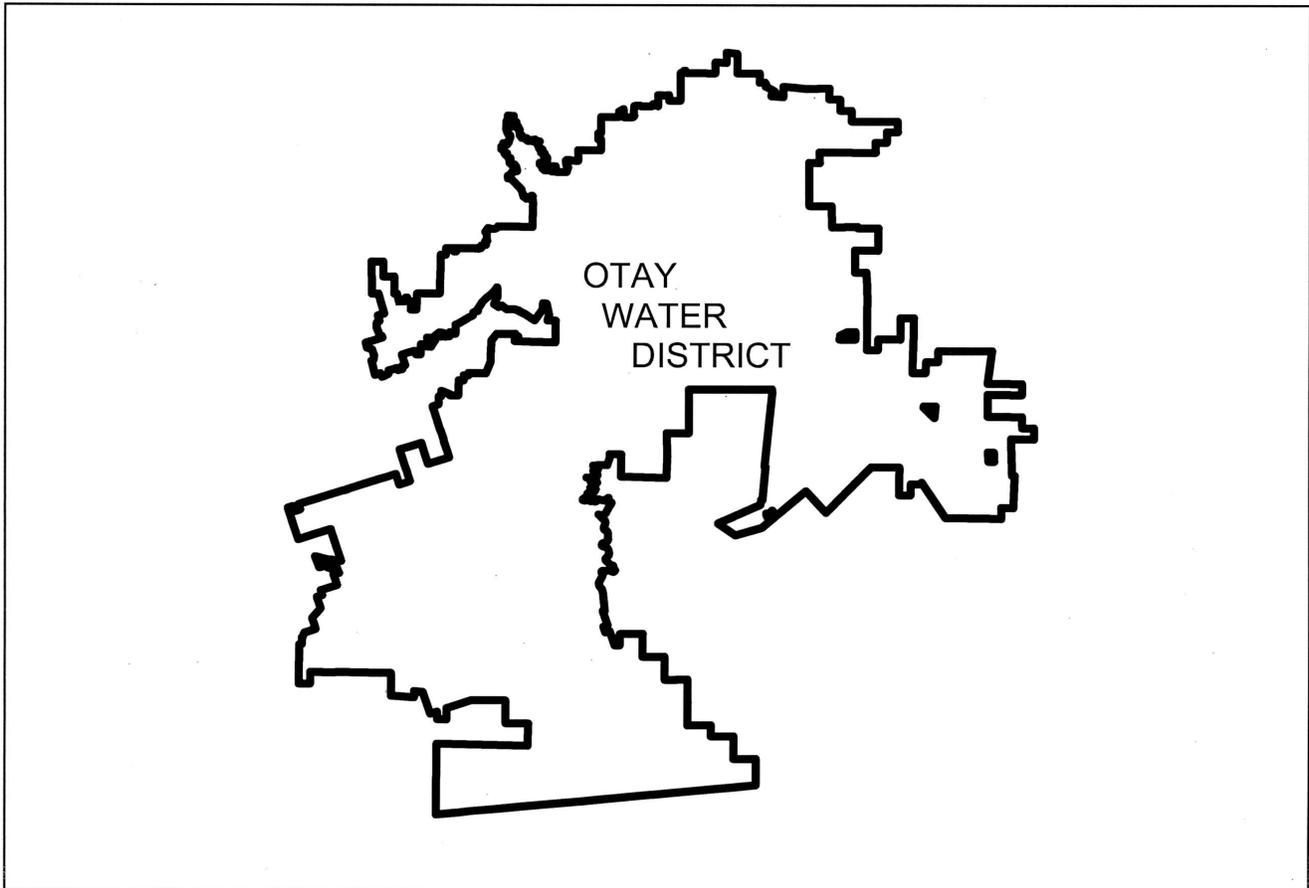
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	12/1/2000	6/30/2021	\$5,191
DESIGN:			\$0
CONSTRUCTION:			\$0

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book:



Submitted By: Rita Bell

Date: 4/29/2015

PROJECT TITLE: Field Equipment Capital Purchases

CIP Number: P2286

DIRECTOR DIVISION: 0

PROJECT MANAGER: Doug Rahders

I.D. LOCATION: District Wide

ORIGINAL APPROVED DATE: 6/3/1996

PRIORITY: 1

RELATED CIP PROJECTS:

BUDGET AMOUNT: \$1,808,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2286

PROJECT SCHEDULE:

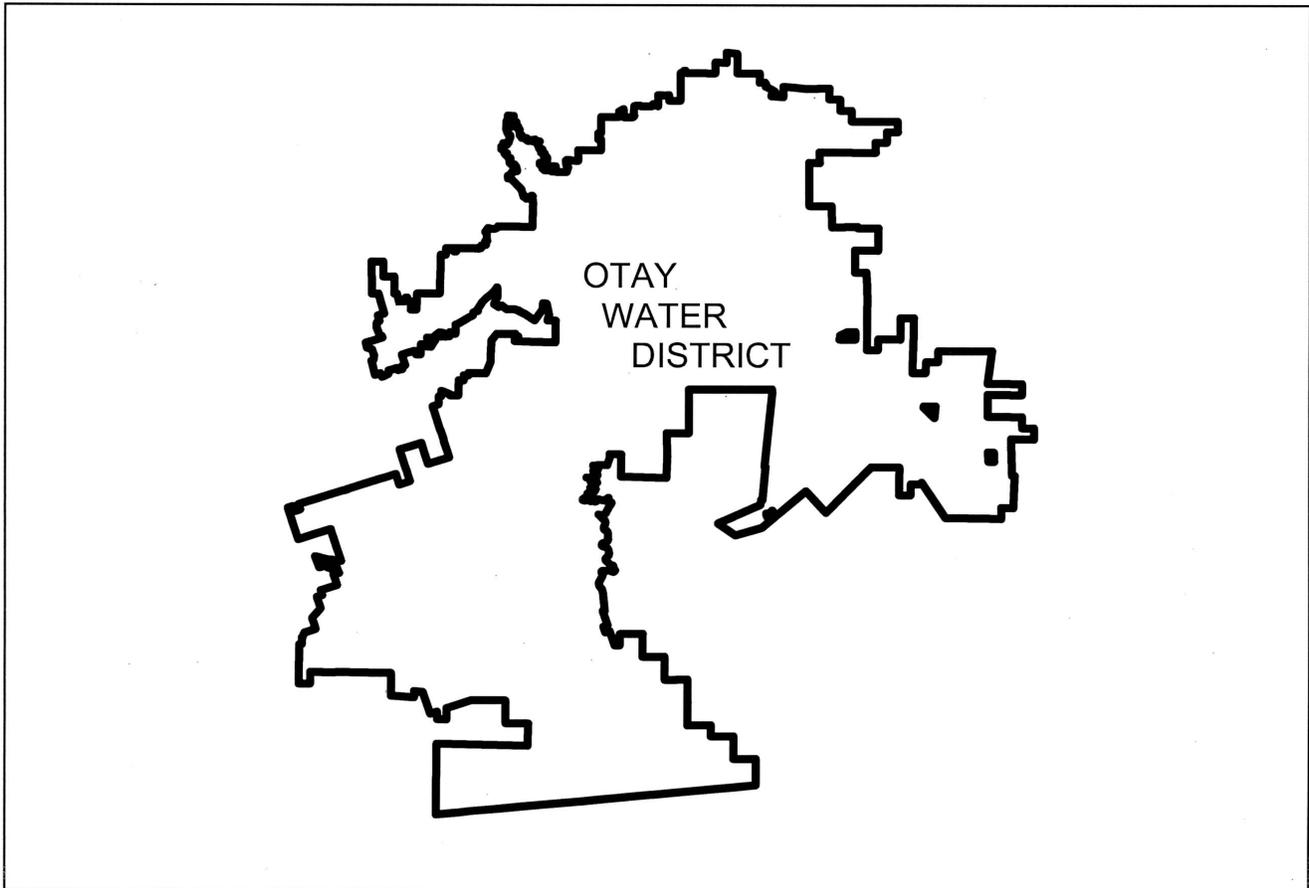
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	7/1/1996	6/30/2021	\$1,808
DESIGN:			\$0
CONSTRUCTION:			\$0

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/7/2015

PROJECT TITLE: APCD Engine Replacements and Retrofits		CIP Number: P2366	
		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:	\$3,835,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

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

COMMENTS:

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

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2366

PROJECT SCHEDULE:

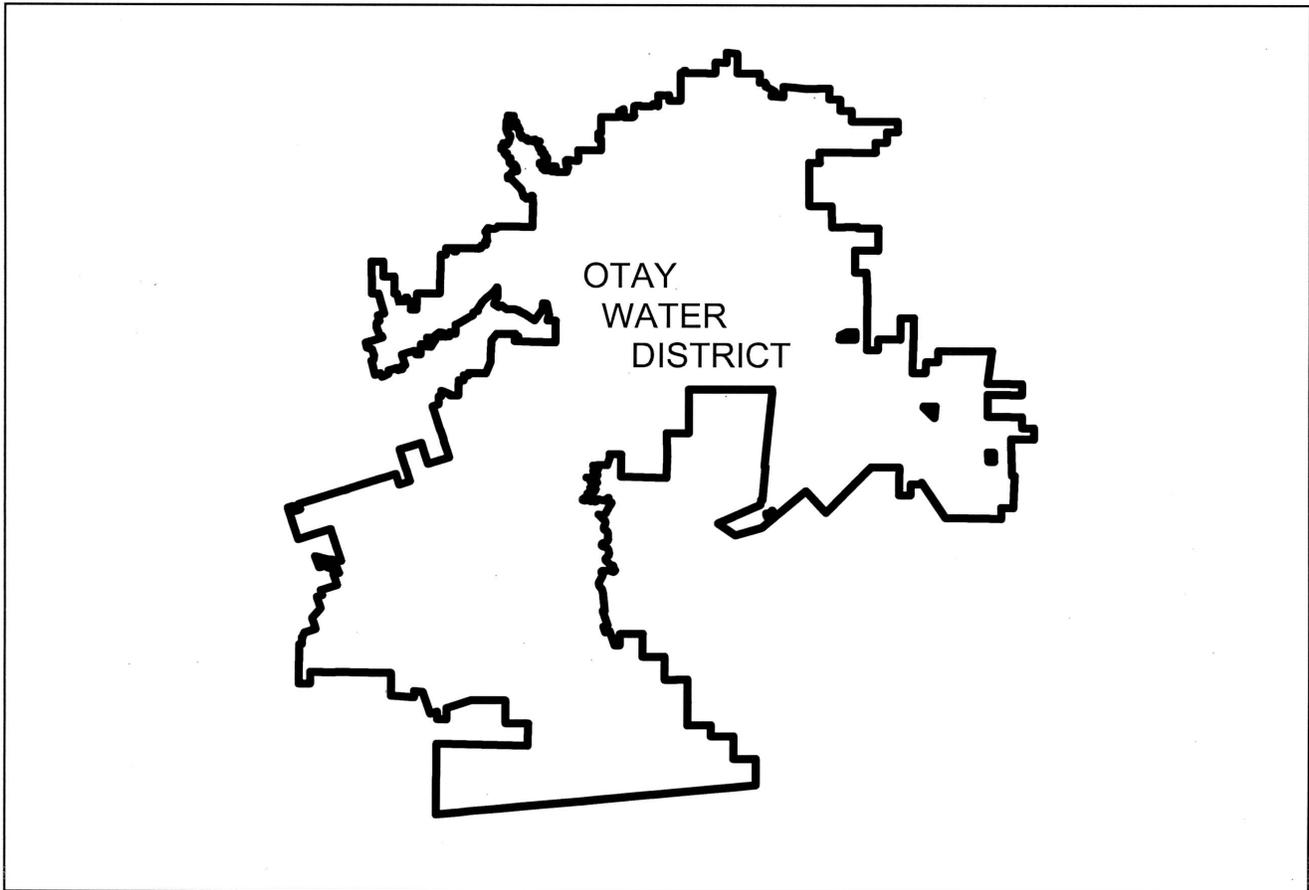
PROJECT PHASE:	ESTIMATED START DATE	ESTIMATED FINISHED DATE	ESTIMATED COST (X \$1,000):
PLANNING:	12/1/2000	6/1/2001	\$113
DESIGN:	7/1/2001	6/1/2010	\$312
CONSTRUCTION:	7/1/2010	6/1/2020	\$3,410

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book:



Submitted By: Jolene Fielding

Date: 5/7/2015

**OTAY WATER DISTRICT
CAPITAL IMPROVEMENT PROGRAM**

PROJECT TITLE: HWY 94 Upsized Utility Relocations at Melody Lane	CIP Number: P2556
PROJECT MANAGER: Stephen Beppler	DIRECTOR DIVISION: 5
ORIGINAL APPROVED DATE:	I.D. LOCATION: 22
RELATED CIP PROJECTS:	PRIORITY: 2
	BUDGET AMOUNT: \$250,000

DESCRIPTION OF PROJECT:

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

JUSTIFICATION OF PROJECT:

COMMENTS:

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

FUND DETAILS:

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

EXPENDITURE SCHEDULE (X \$1,000):

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

CIP Number: P2556

PROJECT SCHEDULE:

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

PROJECTED INCREMENTAL OPERATING EXPENDITURES SCHEDULE (\$):

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

PROJECT LOCATION:

OWD Map Book: 205 & 309



Submitted By: Jolene Fielding

Date: 5/7/2015

Otay Water District FY2016 Budget Workshop

May 19, 2015

Workshop Agenda

- ▶ Economic Overview (Gary London, The London Group)
- ▶ Strategic Plan Initiatives (Geoff Stevens)
- ▶ Drought and State Mandates (Mark Watton)
- ▶ Water Conservation Option (Joe Beachem)
- ▶ Bond Rating Risks (Kevin Koeppen)
- ▶ Budget Highlights (Joe Beachem)
- ▶ Capital Improvement Budget (Rod Posada)
- ▶ Balanced Operating Budget (Rita Bell)
- ▶ Staffing and Administrative (Adolfo Segura)
- ▶ Materials and Maintenance (Jose Martinez)
- ▶ Summary of Recommendations (Joe Beachem)

Workshop Objectives

- ▶ Review FY 2016 - FY 2018 Strategic Plan
- ▶ Present a \$89.1M Operating Budget
- ▶ Present a \$11.1M CIP Budget
- ▶ Review options for water rate increases at various conservation levels, effective January 1, 2016
 - ▶ Water conservation between 8% to 16%
 - ▶ Review recommended rate increases

Economic Overview

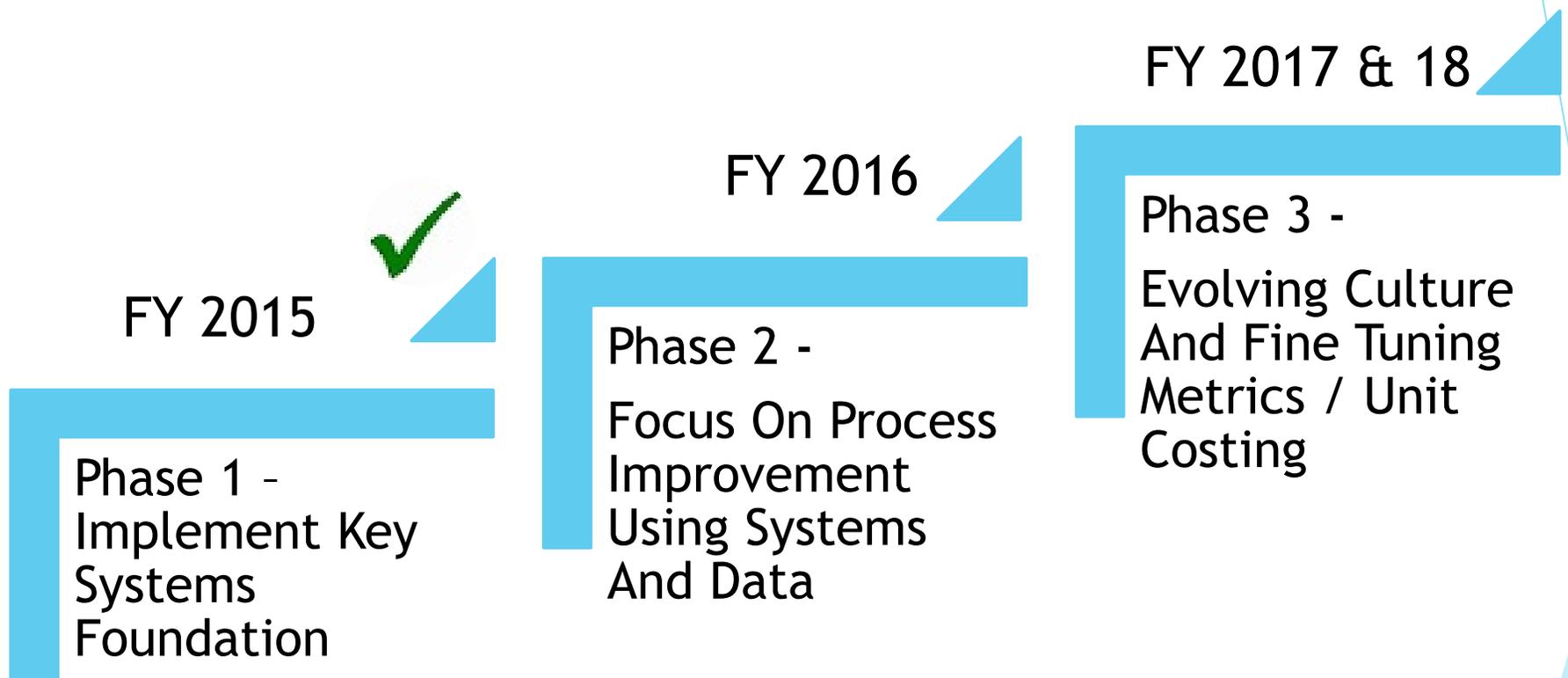
(Gary London, The London Group)

Otay Water District Strategic Plan (2015-2018)

(Geoff Stevens)

Building the foundation and implementing meaningful performance measurement

FY 15 - 18 Strategic Plan Timeline



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 and wastewater services at Competitive rates, with a reputation for outstanding customer service.

STATEMENT OF VALUES

As Otay Water District employees we dedicate ourselves to:

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

Customer: Increase customer confidence in the District

- ▶ Improve and expand communications
- ▶ Provide effective water services

Financial: Manage the financial issues that are critical to the District

- ▶ Improve financial information and systems
- ▶ Maintain District financial strength

Business Processes: Maximize efficiency and effectiveness

- ▶ Actively manage water supply as well as support for water and sewer services
- ▶ Identify and evaluate improvements to enterprise and departmental business processes

Learning and Growth: Provide leadership and management expertise

- ▶ Reinforce a results-oriented and accountable culture
- ▶ Focus on achieving a lean flexible workforce

Projects Completed in 2015

Phase 1

- ✓ SCADA (Communications and Equipment Control)
- ✓ Work Order /AM (Management of all work on District assets)
- ✓ Emergency Preparedness /NIMS (National Incident Management System)

What's in the FY16-18 Plan

34 Strategic Objectives
48 Performance Measures



New Performance Measures Added

3.2.308 - Employees per Account

3.2.309 - Percent of Customers Paying Bills Electronically

Performance Measure Deleted

5.1.500 - Unplanned Disruptions (QualServe) redundant with System Integrity measures and not a good measure for our system

Admin and IT

Objectives

- ▶ 1.1.2.2 Regularly produce and evaluate communications tools and explore the effective use of new media options including: electronic newsletters, auto-dialer services, video streaming, social networks, or web media to ensure the District's outreach efforts are cost-effectively reaching all stakeholders.
- ▶ 3.1.2.5 Enhance District's Facilities Physical Security
- ▶ 3.1.2.17 Evaluate opportunities to combine or transfer similar work functions
- ▶ 3.1.2.28 Streamline Procurement and Contractor On-boarding Process via Web-based eProcurement Technology
- ▶ 3.1.2.30 Streamline Enterprise Confinement Program
- ▶ 4.1.1.4 Negotiate a successor Memorandum of Understanding for represented employees for 2017 and beyond and related compensation and benefits for unrepresented employees with emphasis on making necessary updates to Employee Health Benefits related to Health Care Reform
- ▶ 4.1.1.9 Improve District Emergency Response Program
- ▶ 4.1.1.10 Department Level Manuals and Business Functions
- ▶ 3.1.2.2 Continue to Implement a Mature Asset Management Program
- ▶ 3.1.2.16 Optimize SCADA Program
- ▶ 3.1.2.26 Optimize GPS/GIS Technology
- ▶ 3.1.2.27 Evaluate Eden's Self-service Option with HR Module

Performance Measures

- ▶ 1.1.100 Customer Satisfaction
- ▶ 1.4.104 Health & Safety Severity Rate (QualServe)
- ▶ 1.4.105 Employee Turnover Rate
- ▶ 1.4.106 Training Hours Per Employee
- ▶ 1.4.107 Safety Training Program
- ▶ 4.1.400 Customer Satisfaction with the Website
- ▶ 4.3.401 Network Availability
- ▶ 4.4.402 Website Visits

Engineering

Objectives

- ▶ 3.1.1.1 Evaluate City of San Diego Pure Water Program Planning/Implementation
- ▶ 3.1.1.8 Address Dependency on Imported Water Through Proper Planning
- ▶ 3.1.1.10 Sewer System Business Evaluation
- ▶ 3.1.1.26 Evaluate Efficiencies for Delivering Capital Assets
- ▶ 3.1.1.28 In Conjunction with the City of San Diego, Manage the Infrastructure for a more Efficient Transmission of Recycled Water
- ▶ 3.1.1.29 Evaluate the Viability of Implementing an Indirect Potable Reuse Program
- ▶ 3.1.2.34 Streamline Work Processes in four strategic areas including departmental synergies, technology, procurements, and alignment of business practices
- ▶ 3.1.2.43 Revise Business Practices by Modifying the Master Recycled Water Permit
- ▶ 3.1.2.44 Implement a Habitat Conservation Plan that will Streamline O&M within District Easements

Performance Measures

- ▶ 2.2.200 CIP Project Expenditures vs. Budget
- ▶ 2.2.201 Construction Change Order Incidence (without allowances)
- ▶ 2.3.202 Mark-out Accuracy
- ▶ 2.3.203 Project Closeout Time

Operations

Objectives

- ▶ 2.1.1.10 Electric Power and Fuel Management Practices
- ▶ 2.1.1.11 Optimize Inventory Management
- ▶ 3.1.1.9 Leak Detection and Repair Program
- ▶ 3.1.1.27 Pressure Vessel Maintenance Program
- ▶ 3.1.2.31 Streamline Operations Work Processes
- ▶ 3.1.2.32 Streamline Data Input in Reporting for Field Services
- ▶ 3.1.2.42 Two-Way Emergency Radio Replacement Evaluation

Performance Measures

- ▶ 5.1.501 Technical Quality Complaint (QualServe)
- ▶ 5.2.502 Planned Potable Water Maintenance Ratio in \$ (QualServe)
- ▶ 5.2.503 Planned Recycled Water Maintenance Ratio in \$ (QualServe)
- ▶ 5.2.504 Planned Wastewater Maintenance Ratio in \$ (QualServe)
- ▶ 5.2.505 Direct Cost of Treatment per MGD (QualServe)
- ▶ 5.2.506 O&M Cost per MG Processed of Wastewater (QualServe)
- ▶ 5.2.520 Leak Detection Program
- ▶ 5.3.507 Percent of PMs completed - Fleet Maintenance
- ▶ 5.3.508 Percent of PMs completed - Reclamation Plant
- ▶ 5.3.509 Percent of PMs completed - Pump/Electric Section
- ▶ 5.3.511 System Valve Exercising Program
- ▶ 5.3.512 Water Distribution System Integrity (QualServe)
- ▶ 5.3.513 Planned Water Service Disruption Rate (QualServe)
- ▶ 5.3.514 Potable Water Compliance Rate (QualServe)
- ▶ 5.3.515 Collection System Integrity (QualServe)
- ▶ 5.3.517 Recycled Water System Integrity
- ▶ 5.3.518 Sewer Overflow Rate (QualServe)
- ▶ 5.3.519 Emergency Facility Testing
- ▶ 5.3.525 Critical Valve Exercising
- ▶ 5.4.521 Tank Inspection and Cleaning
- ▶ 5.4.522 Main Flushing and Fire Hydrant Maintenance
- ▶ 5.4.523 Annual Recycled Water Site Inspections
- ▶ 5.4.524 Recycled Water Shutdown Testing

Finance

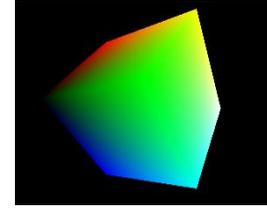
Objectives

- ▶ 1.1.1.1 Enhance Communications with Customers
- ▶ 2.1.2.1 Enhance Cost Benefit Analysis
- ▶ 3.1.1.7 Evaluate and Enhance the District's Water Conservation Programs and Services
- ▶ 3.1.2.8 Improve and Streamline Meter Related Processes
- ▶ 3.1.2.14 Strengthen Internal Audit Program
- ▶ 3.1.2.29 Evaluate Current and New CIS Systems

Performance Measures

- ▶ 1.3.104 Gallons Per Capita Per Day
- ▶ 3.1.300 Answer Rate
- ▶ 3.2.301 O&M Cost per Account
- ▶ 3.2.302 Billing Accuracy (QualServe)
- ▶ 3.2.303 Overtime Percentage
- ▶ 3.2.304 Sewer Rate Ranking
- ▶ 3.2.305 Water Rate Ranking
- ▶ 3.2.306 Debt Coverage Ratio (QualServe)
- ▶ 3.2.307 Reserve Level
- ▶ 3.2.308 Employees Per Account
- ▶ 3.2.309 Percent of Customers Paying Bills Electronically
- ▶ 3.3.308 Distribution System Loss (QualServe)

Next Steps



Utilize SCADA and Work Management for Better Metrics

Continue Focus on Long-term Asset Management

Begin Developing System Derived Measures of Unit Costing

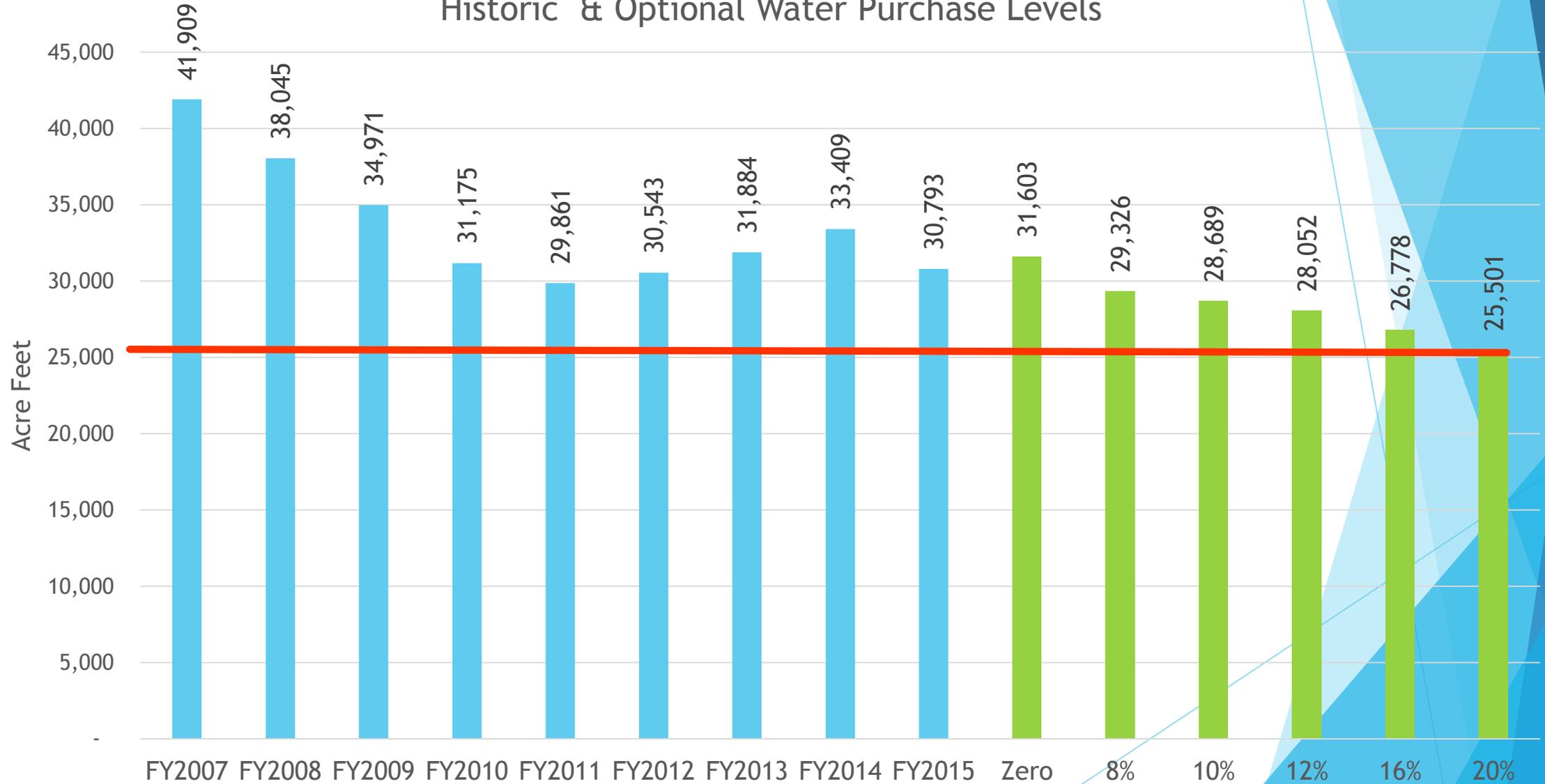
Adding More Complete Trending Data on Performance Measures

Drought and Governor's Mandates

- ▶ On May 5, 2015 the State Water Board adopted California Code of Regulations, title 23, section 866 and re-adopts sections 863, 864, and 865.
- ▶ Based on Residential GPCD for the July to September 2014 period, Otay's conservation target is 20% lower than 2013 usage levels.
- ▶ Ongoing lobbying the Governor regarding the supply vs. Conservation issues

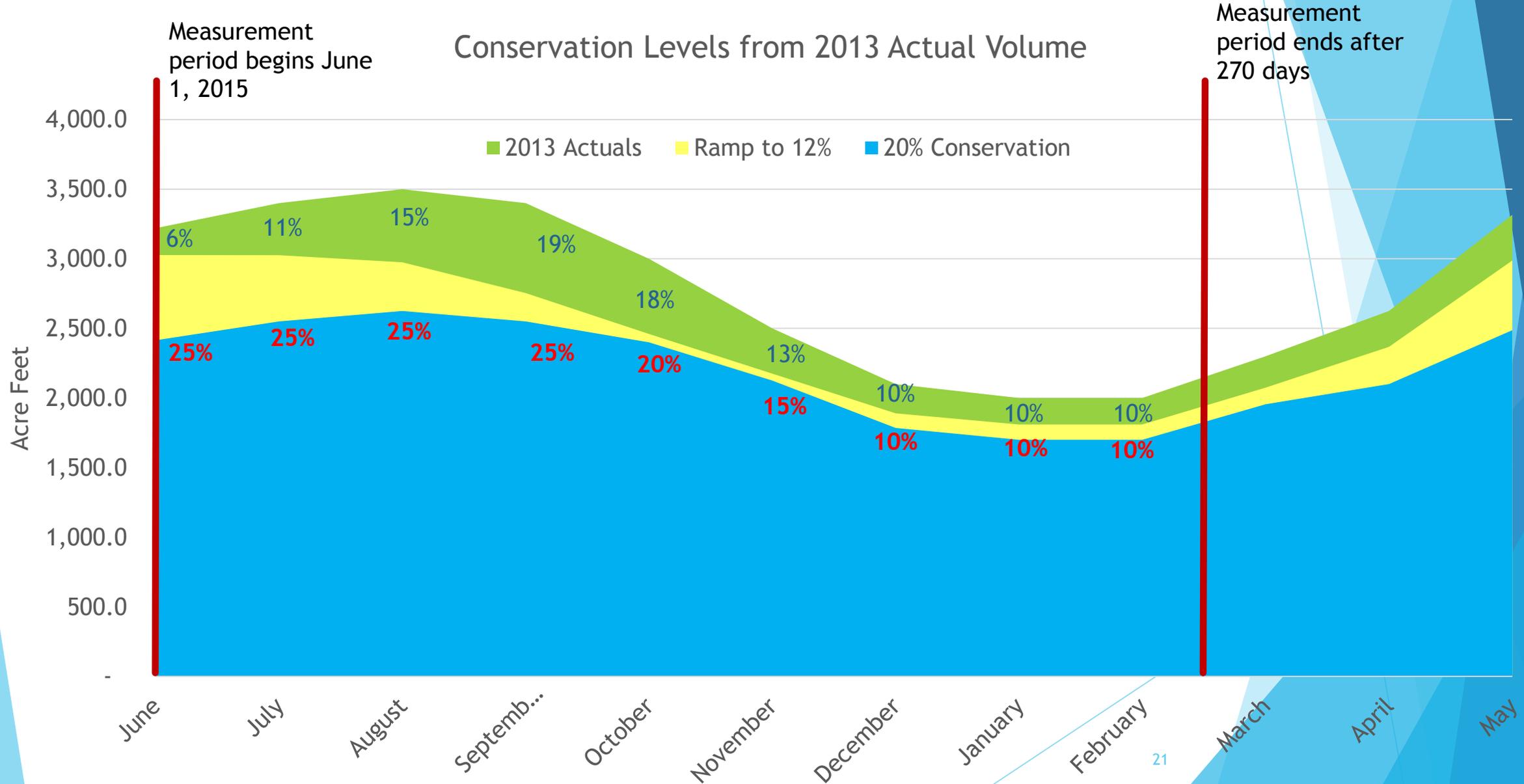
Water Conservation Levels

Historic & Optional Water Purchase Levels



Target Conservation

Conservation Levels from 2013 Actual Volume

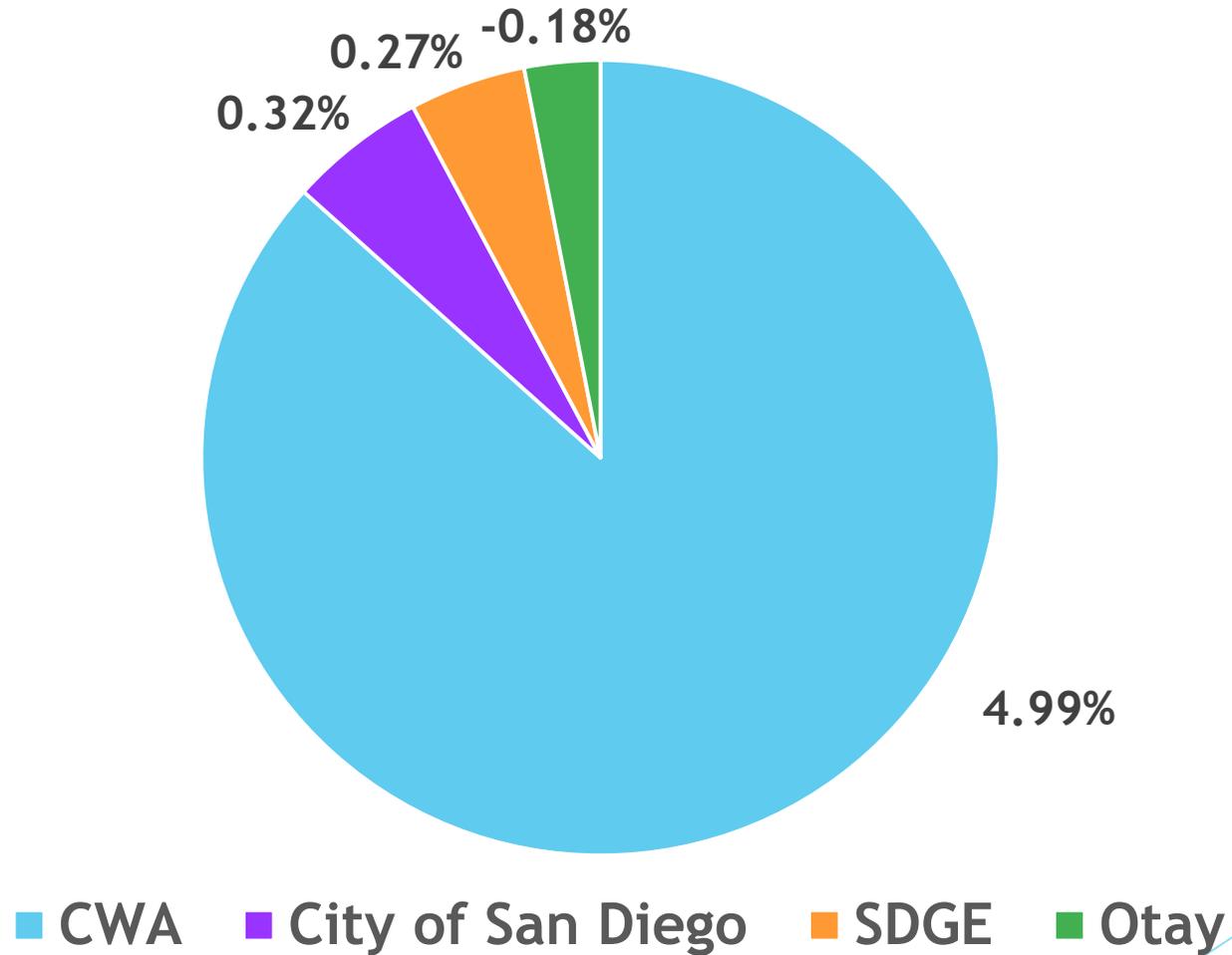


Water Conservation Options

	Proposed Rate Increase	Debt Coverage Ratio (with growth)	Debt Coverage Ratio (without growth)	Critical Conservation Point
0% Conservation	3.9%	175.0%	155.8%	15.6%
8% Conservation	4.7%	162.4%	143.6%	16.5%
10% Conservation	4.8%	151.6%	133.0%	16.6%
12% Conservation	5.4%	141.1%	122.6%	17.2%
16% Conservation	8.6%	141.2%	122.9%	20.5%
20% Conservation	12.0%	140.5%	122.4%	23.8%
Target		150%		
Minimum		125%	100%	

Proposed FY 2016 Water Rate Increase

Otay 5.4% Rate Increase due to Cost Increases



Cost Savings Measures

- ▶ Reduced Water Loss from 5% to 4%
- ▶ Reduced personnel from 140 to 138 FTE
- ▶ Reduced Administrative Expenses and Material Expenses despite increases for conservation efforts and for leak detection

Bond Rating Risk

(Kevin Koeppen)

Bond Covenant

Covenant: The District shall set rates sufficient to yield a debt coverage ratio of 125% (including growth) and 100% (excluding growth).

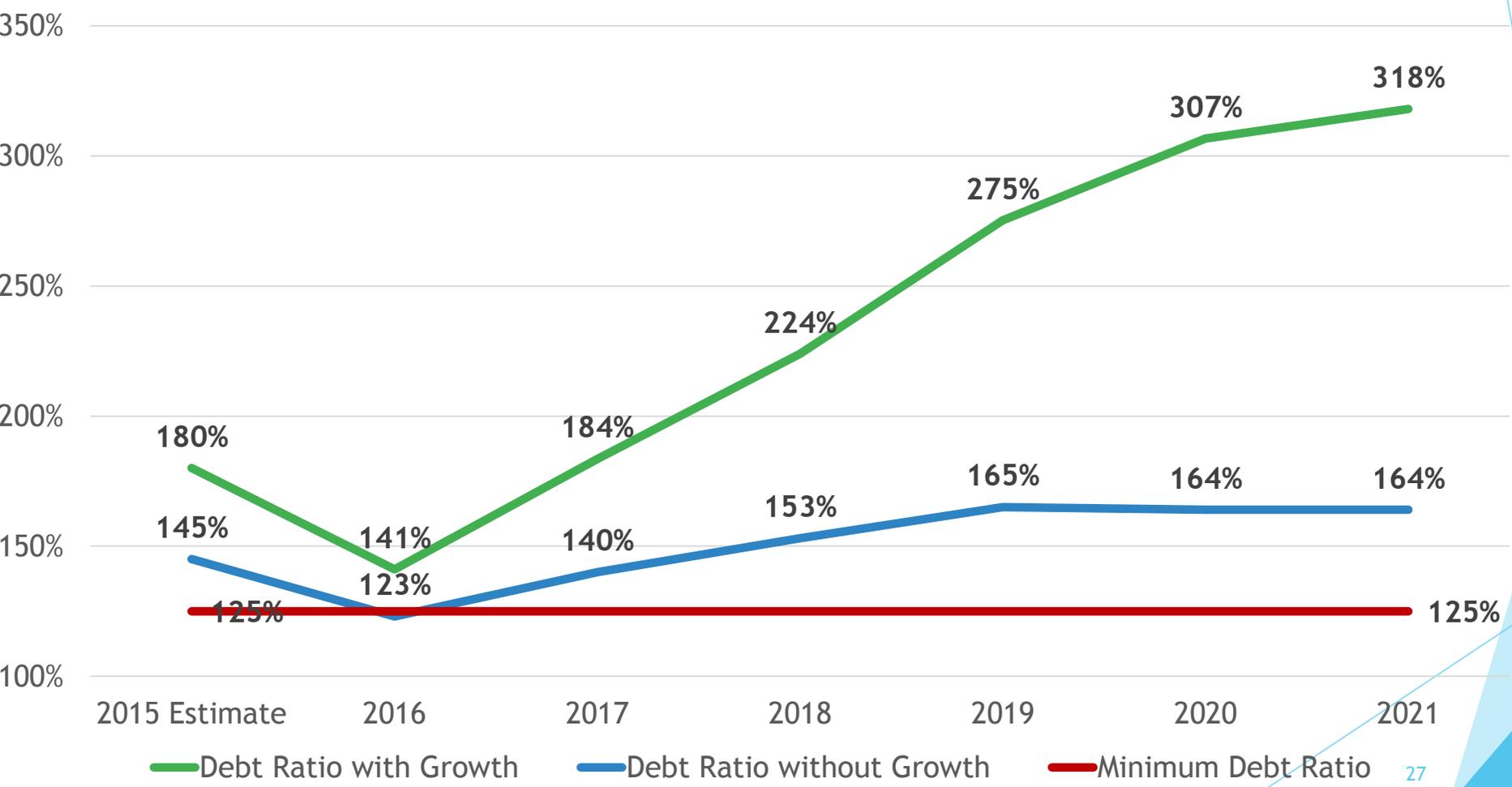
Impact of short-term non-compliance:

- ▶ *Based on the District's rate setting history, liquidity and cash position, our general expectation is there would be little impact if the rate setting process was reasonable and there is a plan to achieve compliance in the following year.*
- ▶ *Additional disclosures and increased communication to impacted parties (bondholders, bond insurers, etc.).*
- ▶ *Rating agencies likely would place the District on watch.*

Impact of multi-year non-compliance:

- ▶ *Bond Insurer or bondholders could require the District increase rates to reach compliance (require District hire rate consultants, if needed require a 218 notice to raise rates).*
- ▶ *Rating agencies would likely downgrade the District's credit rating.*

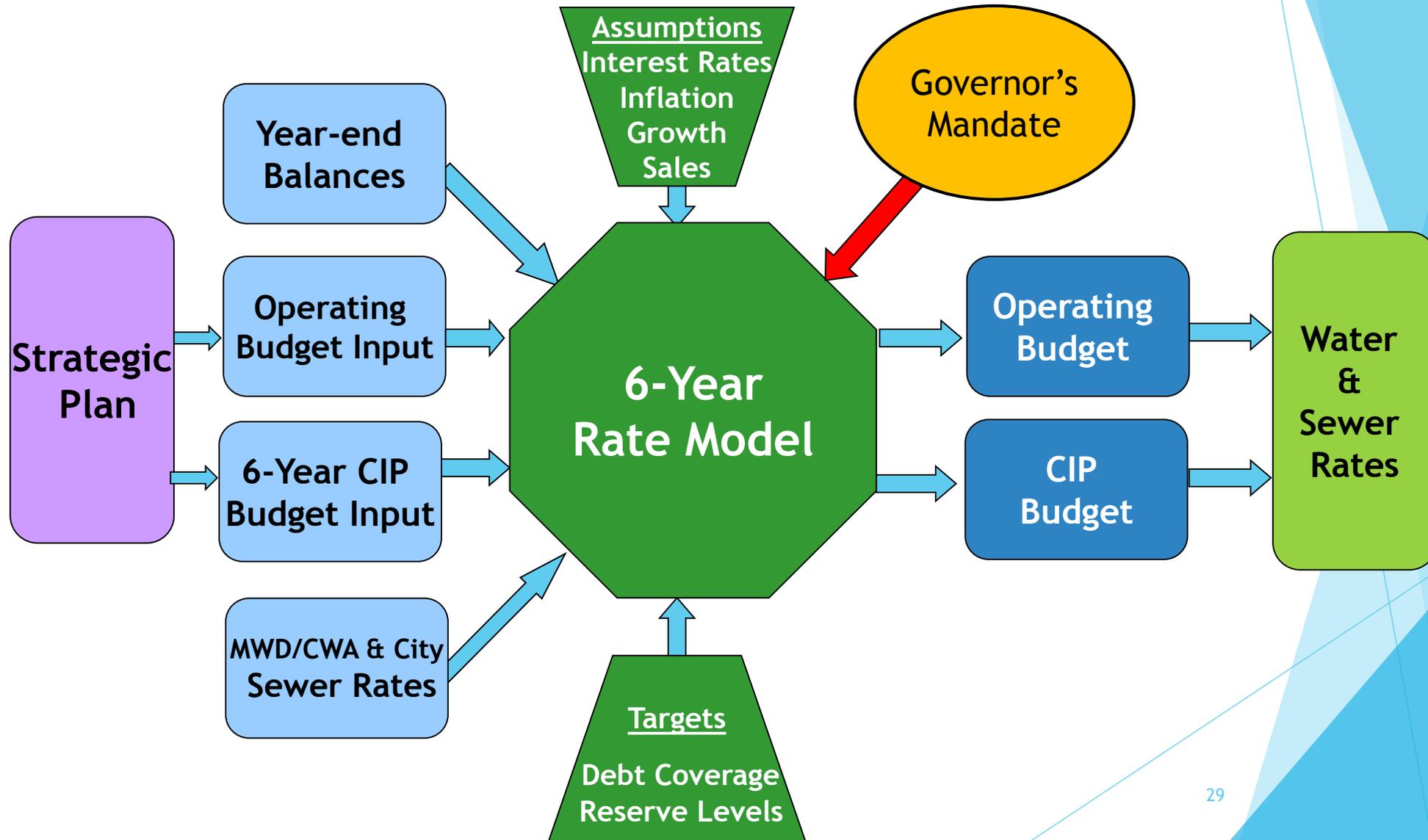
Debt Coverage Ratios (12% Option)



Budget Highlights

(Joe Beachem)

Rate Model and Budget Process



Meeting District Objectives

(Fiscal Year 2016 - 12% Option)

- ▶ Rebuilding the debt coverage target of 150% by 2018
- ▶ Fund the \$89.1M Operating Budget
- ▶ Fund the \$11.1M Capital Budget
- ▶ Use reserves to partially offset rate increase caused by Governor directed conservation
- ▶ Maintaining reserves above minimum

Inter-Fund Transfers

Potable

General Fund to Replacement	\$2.4
Designated Expansion to Replacement	\$3.5
Designated Betterment to Replacement	\$2.1
Designated New Water Supply to Replacement	\$0.7

Recycled

General Fund to Designated Expansion	\$2.2
--------------------------------------	-------

Sewer

Designated Expansion to Betterment	\$0.2
General Fund to Replacement	<u>\$1.6</u>

Total Transfers \$12.6

Net Operating Revenues Transfers

FY 2016

	Potable	Recycled	Sewer	Total
Expansion Reserve	\$0	\$2,691,000	\$0	\$2,691,000
Betterment Reserve	0	1,945,000	455,000	2,400,000
Replacement Reserve	2,351,300	328,000	599,100	3,278,400
Transfer to Sewer Replacement	1,199,300	0	0	1,199,300
Transfer to OPEB	914,100	58,300	33,600	1,006,000
Transfer to New Supply Fund	0	35,000	0	35,000
Total Reserve Funding	\$4,465,500	\$5,047,600	\$1,087,700	\$10,609,700

Last Year vs. This Year

Projected Water Rate Increase							
	2015	2016	2017	2018	2019	2020	2021
FY15	5.8%	4.7%	4.7%	4.6%	4.6%	4.5%	
FY16		5.4%	5.4%	5.4%	3.8%	3.8%	3.8%

Debt Coverage Ratio (No Growth)							
	2015	2016	2017	2018	2019	2020	2021
FY15	152%	169%	166%	169%	179%	192%	
FY16		123%	140%	153%	165%	164%	164%

Projected Sewer Rate Increase							
	2015	2016	2017	2018	2019	2020	2021
FY15	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	
FY16*		0%	0%	0%	0%	0%	0%

* Does not include system fee increase for Single Family Residential.

Operating Budget Highlights

Items holding down rates

- ▶ Lower variable water rate increase from CWA/MWD than anticipated (1.9% projected CY16 vs. 10.1% budgeted; note, this is offset by the new Reliability Fixed Charge of \$1.0M)
- ▶ Reduction in 6-Year CIP of \$7.4 million
- ▶ Reduced water loss from 5% to 4% savings of \$432,000
- ▶ Reduced FTE from 140 to 138
- ▶ Administrative costs decrease of \$31,400
- ▶ Materials & Maintenance costs decrease of \$7,000

Operating Budget Highlights

Items putting upward pressure on rates

- ▶ Water sales reduction of 12% (in volume from 2013 sales)
- ▶ Fixed CWA costs increase of \$1.0 million
- ▶ City of San Diego recycled “take or pay” increase of \$104,300
- ▶ Power cost increase of \$274,400
- ▶ 2016 Salary and benefit costs net increase of \$463,000 while reducing by 2 FTE (Does not include FY2015 COLA)

Sewer Budget Highlights

- ▶ Reduction in anticipated rate increase reflects reduced service providers rates and lower labor charges to operations
- ▶ Typical residential customer will see a \$1.30 monthly increase (final year of the phase-in of the system fee, no other rate increases anticipated in the six year window)
- ▶ \$13.8 million CIP over six years
- ▶ Final payment by Potable to Sewer for prior loan
- ▶ Reserves on target

Capital Improvement Program FY2016-2021

(Rod Posada)

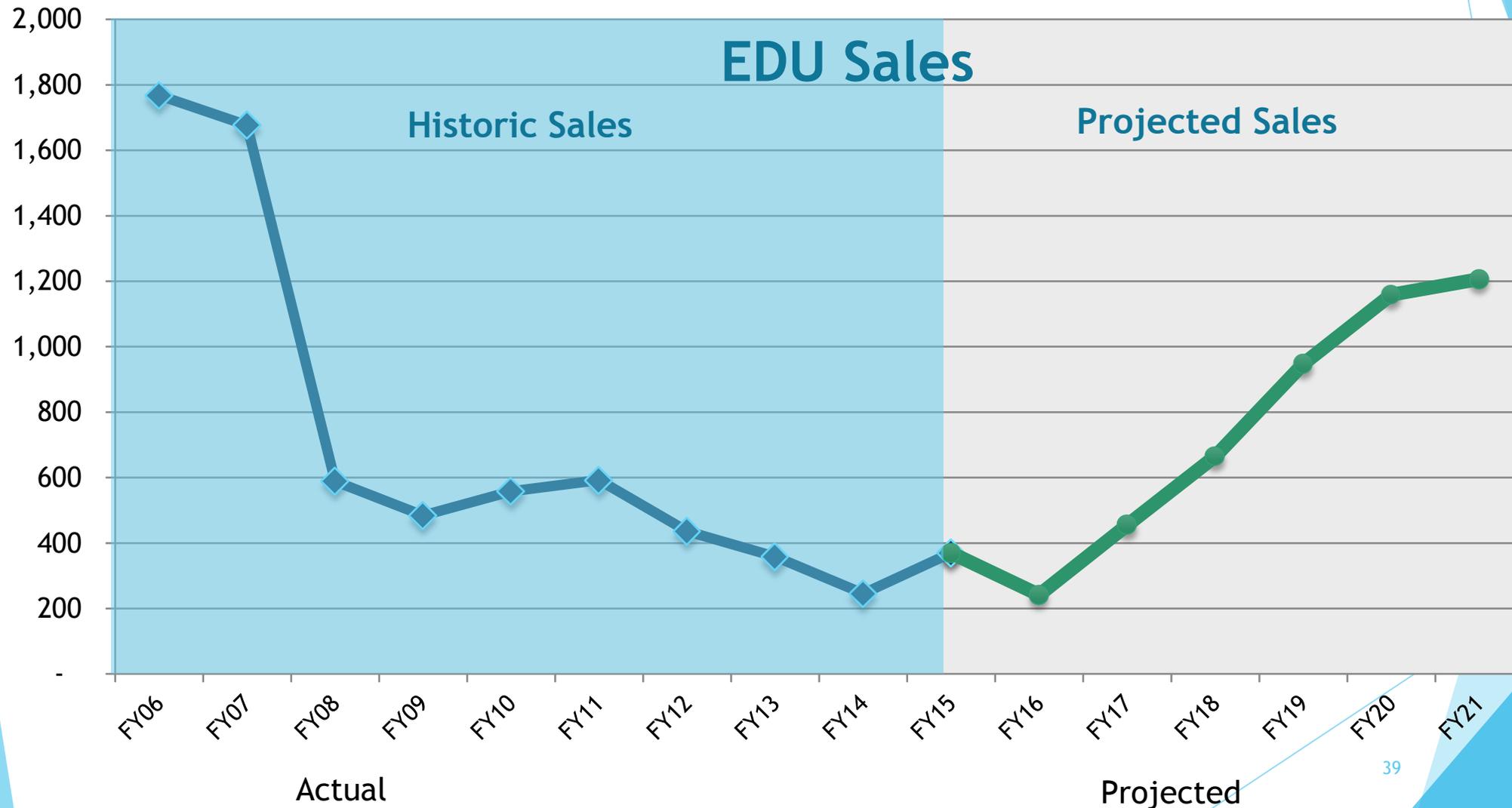
Growth Projections¹

	FISCAL YEARS					
	2016	2017	2018	2019	2020	2021
Single-Family Dwelling Units	149	288	375	618	780	805
Condominium Units	297	202	482	715	780	688
Apartment Units	150	475	885	692	757	714
Non-Residential ² (Permit valuation in millions of dollars)	\$35	\$35	\$35	\$43	\$43	\$43

¹Source: The London Group Realty Advisors Report March 2015 (all dwelling units reflected above do not have a one-to-one ratio with an EDU and are converted to EDUs for budget purposes).

² Office, Retail, Industrial, and Hotels in the Otay Water District Service Area.

Meter Sales and Growth



CIP Budget Guidelines

- ▶ Growth to remain relatively flat for FY 2016.
- ▶ 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 2015

	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Totals	\$ 10.6	\$ 23.4	\$ 27.4	\$ 17.2	\$ 14.5	\$ 10.5
Six-Year Total:						\$103.6

FY 2016

		FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021
Totals		\$ 11.1	\$ 20.1	\$ 20.0	\$ 16.6	\$ 14.0	\$ 14.4
Six-Year Total:							\$96.2

High Profile CIP Projects

Fiscal Year 2016 (\$ Millions)

Campo Road Sewer Replacement (Design)	\$ 0.5
Otay Mesa Desalination Conveyance and Disinfection System (Environmental)	0.3
Sewer System Rehabilitation Projects (Construction)	0.9
711-1 and 711-2 Reservoir Improvements (Design/Construction)	1.4
980-1 Reservoir Improvements (Design/Construction)	1.0
Sweetwater River Wood Trestle Improvements (Construction)	0.4
870-2 Pump Station Replacement (Design)	0.3
624 Pressure Zone PRS's (Construction)	0.5
<u>Total Expenditure Projection</u>	<u>\$ 5.3</u>

High Profile CIP Projects

Fiscal Year 2016 - 2021 CIP

(\$ Millions)

Campo Road Sewer Replacement	\$ 5.1
Otay Mesa Desalination Conveyance and Disinfection System	26.8
870-2 Pump Station Replacement	15.2
Sewer System Rehabilitation Projects	4.6
Reservoir Improvements	11.3
<u>Total Expenditure Projection</u>	<u>\$ 63.0</u>

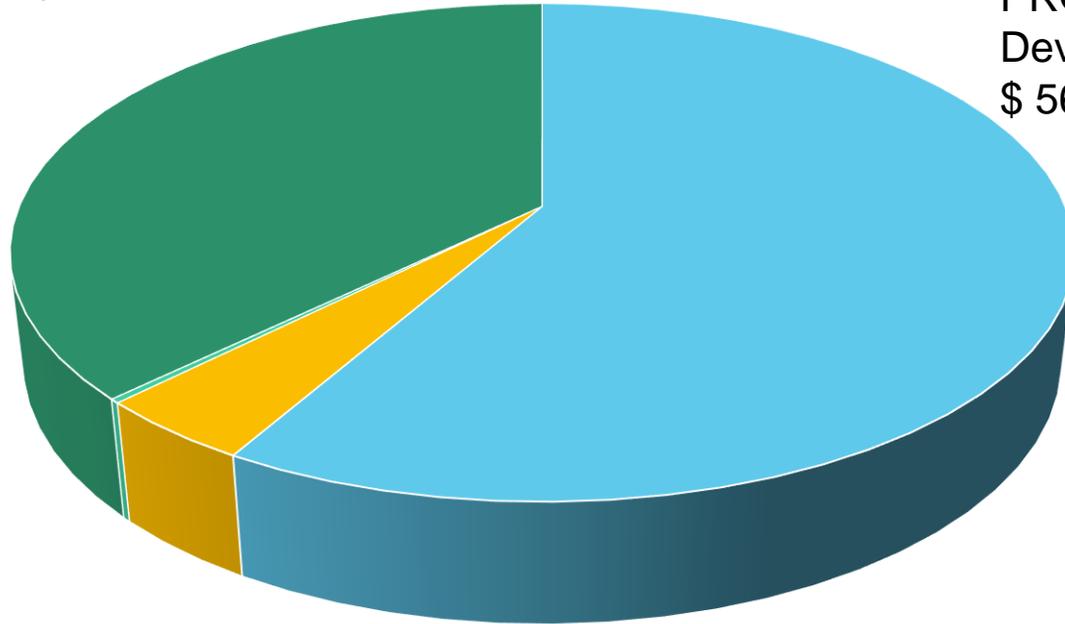
Otay Water District Initiatives

Fiscal Year 2016 - 2021 CIP Expenditure Projections

Total \$96.2 Million

REPLACEMENT / RENEWAL
PROJECTS
\$ 35.9 M

CAPITAL FACILITIES
PROJECTS (includes
Developer Reimbursement)
\$ 56.3 M



CAPITAL PURCHASES
\$ 4.0 M

BALANCED OPERATING BUDGET

(Rita Bell)

FY 2016 Operating Budget

- ▶ Budget Process
- ▶ Budget Objectives
- ▶ Budget Details
- ▶ 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.

Budget Objectives

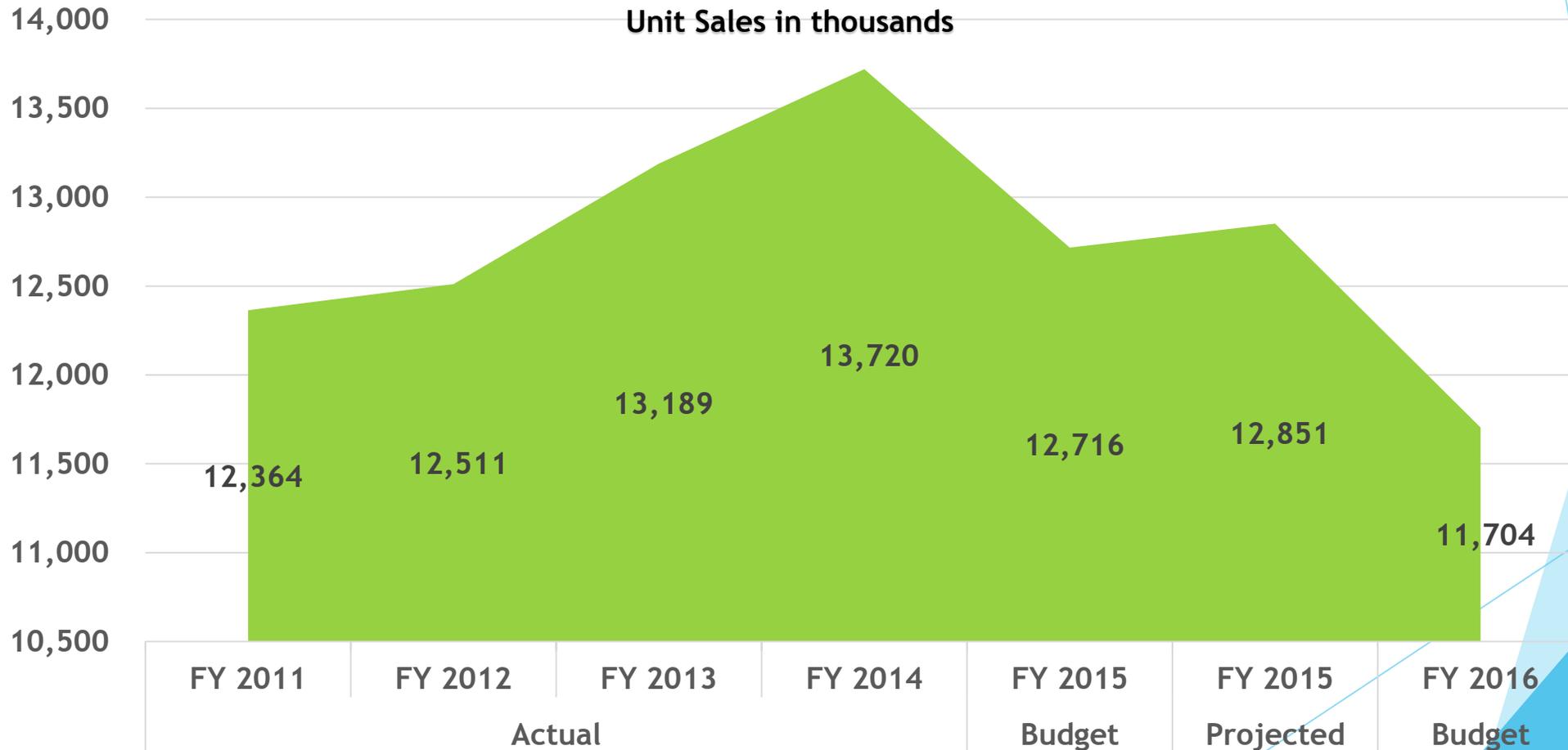
- ▶ Fund efficient operations, CIP and Strategic Plan Objectives
- ▶ Minimize rate impacts
 - ▶ CWA & City of San Diego water cost increases
- ▶ Rate setting built on reasonable projections (conservation mandates, interest rates, inflation, and growth)
- ▶ Maintain above minimum reserve levels and build debt coverage levels to target
- ▶ Maintain water and sewer rate positions relative to other agencies in the region

Sales Projections

- ▶ Sales projections for FY 2016 are based on the actual of FY 2013 sales less 12%.
 - ▶ SWRCB mandated cutback
- ▶ Growth rates for FY 2017 through FY 2021 were developed using The London Group Realty Advisors' input.

Potable Water Sales

Potable Water Sales
With 12% Reduction from FY 2013 Actuals



Potable Sales Revenues

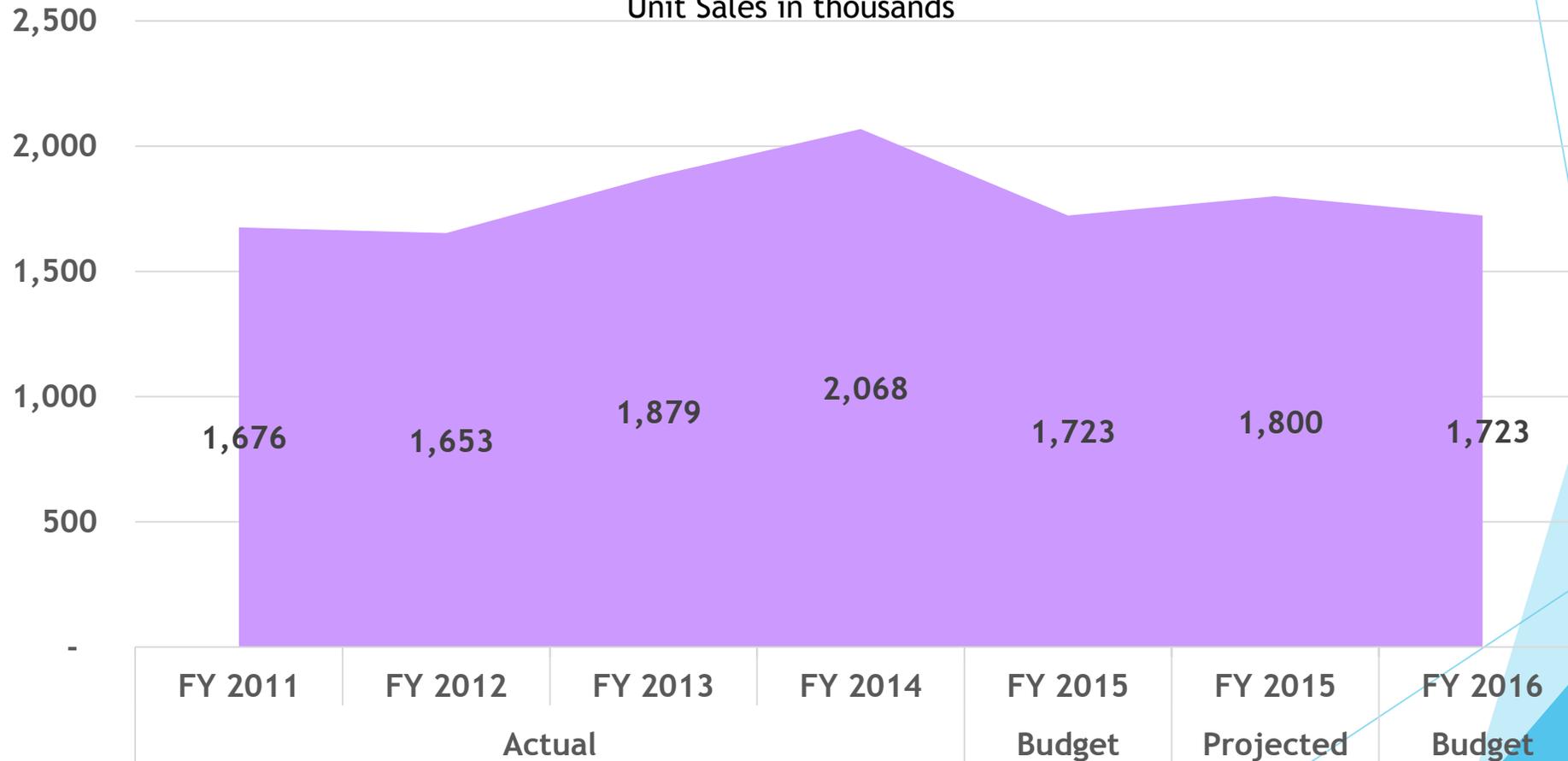
- ▶ Sales dollar increase of \$2,607,600 or 3.9%
 - ▶ \$1,011,700 is due to FY 2015 increases and volume changes
 - ▶ \$1,595,900 is due to FY 2016 assumed rate increases

	FY 2014	FY 2015	FY 2016	Budget to Budget Variance	
	Actual	Budget	Budget	\$	%
Water Sales	\$ 46,856,253	\$ 42,668,000	\$ 41,344,900	\$ (1,323,100)	-3.1%
System Fees	11,152,291	11,184,200	13,151,300	1,967,100	17.6%
Energy Fees	2,114,844	1,958,100	2,311,300	353,200	18.0%
MWD and CWA Fixed Fees	10,309,983	10,399,700	11,946,600	1,546,900	14.9%
Penalties	839,025	823,500	887,000	63,500	7.7%
Total Water Sales	\$ 71,272,396	\$ 67,033,500	\$ 69,641,100	\$ 2,607,600	3.9%

- ▶ Potable water volume decrease of 1,012,300 units or 8.6% from FY2015 to FY2016
- ▶ The typical Single Family Residential bill using 14 units will increase from 81.67 \$to \$85.69 or \$4.02

Recycled Water Sales

Recycled Water Sales
With No Change From FY2015 Budget
Unit Sales in thousands



Recycled Sales Revenues

- ▶ Recycled sales dollar increase of \$284,600 or 3.2%
 - ▶ \$117,400 due to FY 2015 rate increase and volume changes
 - ▶ \$167,200 is due to FY 2016 assumed rate increase

	FY 2014	FY 2015	FY 2016	Budget to Budget Variance	
	Actual	Budget	Budget	\$	%
Water Sales	\$ 7,416,631	\$ 6,506,000	\$ 6,694,500	\$ 188,500	2.9%
System Fees	356,806	438,600	459,500	20,900	4.8%
Energy Fees	383,513	322,300	399,200	76,900	23.9%
MWD and CWA Rebates	1,828,134	1,522,800	1,522,900	100	0.0%
Penalties	29,682	36,900	35,100	(1,800)	-4.9%
Total Recycled Water Sales	\$ 10,014,767	\$ 8,826,600	\$ 9,111,200	\$ 284,600	3.2%

- ▶ Recycled water volume same as FY2015 Budget at 1,723,100 units

Sewer Revenues

- ▶ Sewer Revenues increase of \$198,600 or 6.6% due to the January 1, 2015 rate increase and system fee phase-in from prior year's budget

	Actual	Budget	Budget	Budget to Budget Variance	
	FY 2014	FY 2015	FY 2016	\$	%
Sewer Charges	\$ 2,736,867	\$ 2,977,900	\$ 3,173,000	\$ 195,100	6.6%
Penalties	21,000	29,800	33,300	3,500	11.7%
Total	\$ 2,757,867	\$ 3,007,700	\$ 3,206,300	\$ 198,600	6.6%

Sewer 5-year Summary FY 2016 vs. FY 2015

FY 2016 vs. FY 2015 Benefits:

- ▶ \$3.5 million decrease in 6-year CIP
- ▶ \$2.4 million decrease in operating expenses
- ▶ \$0.3 interest expense savings

Results:

- ▶ No rate increases except for a system fee increase for residential customers
- ▶ \$3.8 million proposed debt issuance avoided

Other Revenues

- ▶ Property Tax Revenue increase of \$135,100 or 4.4%
- ▶ Betterment Fee Revenues decrease of (\$301,800) or (100%)
 - ▶ Due to expiration of betterment fee revenues
- ▶ Capacity Fee Revenues decrease of (\$15,800) or (1.4%)

Water Costs

Water Cost Decrease of (\$1,179,000) or (2.6%)

- ▶ Variable Cost Increases

- ▶ Potable cost decrease of (\$2,189,400) or (6.3%)
- ▶ Recycled cost - no change

- ▶ Fixed Cost Increases

- ▶ Potable cost increase of \$1,010,400 or 9.2%
- ▶ Recycled cost - no change

- ▶ Take or Pay

- ▶ Contractual agreement causing a recycled cost increase of \$104,300 or 18.5%

Sewer Costs

- ▶ Sewer service provider cost decrease of (\$475,900) or (17.5%)
 - ▶ City of San Diego - Waste Water Department O&M cost decrease of (\$205,000)
 - ▶ Spring Valley Sanitation District O&M cost decrease of (\$93,200)
 - ▶ All other costs (primarily labor & benefits) decrease of (\$177,700)

Power Costs

- ▶ Power Cost Increase of \$274,400 or 9.7%
- ▶ Water demand decrease of 8.9% for potable and no change for recycled
- ▶ SDG&E budgeted rate increase 16.7%
 - ▶ The rate per kilowatt hour has increased 12.7% over last year's budgeted rate
 - ▶ The District anticipates another 4% increase in the rate for FY 2016

Staffing Highlights

(Adolfo Segura)

Staffing Highlights

▶ Process

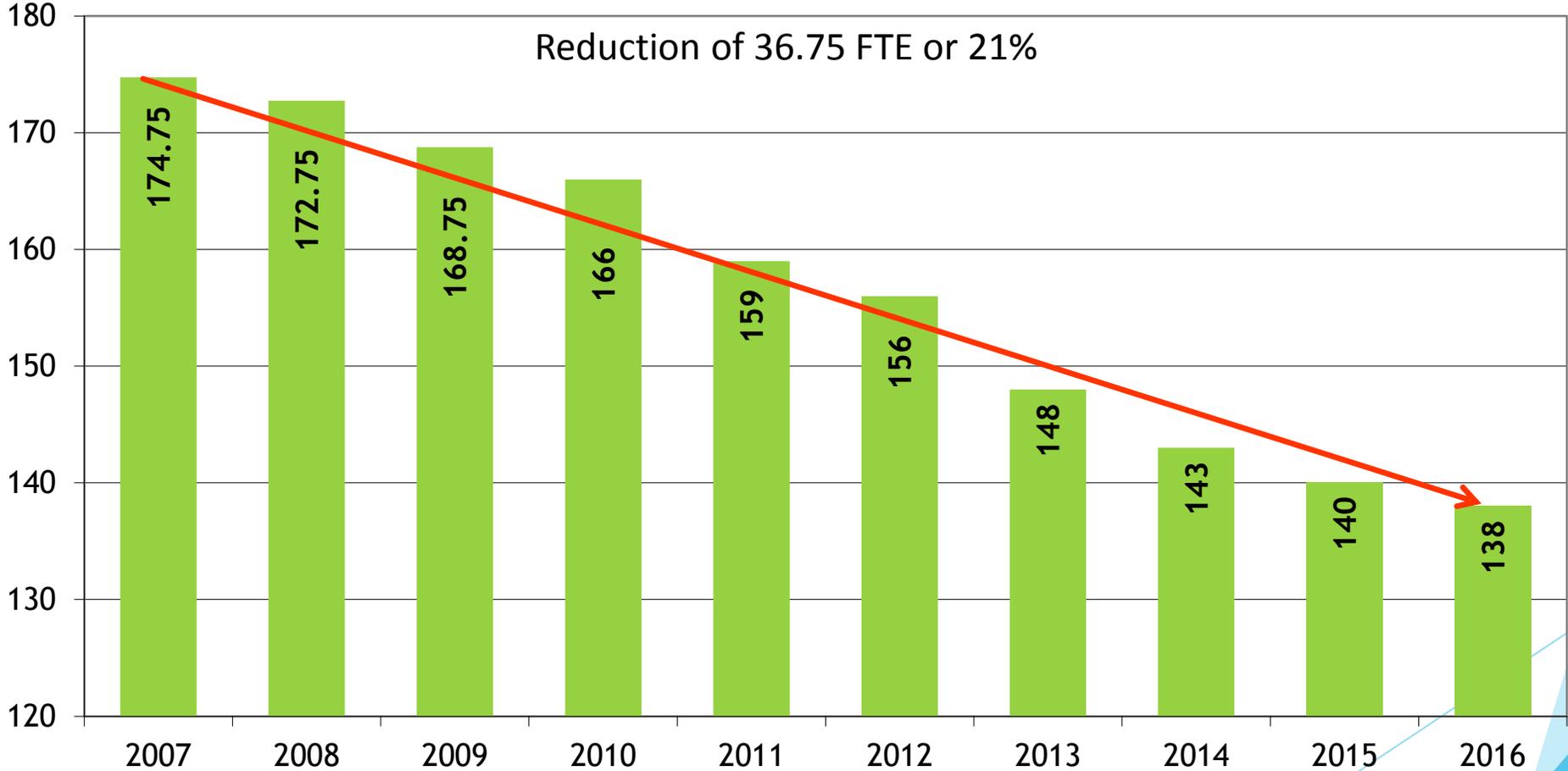
- ▶ The Senior Team and Section Managers continuously analyze workload requirements, cross-training opportunities, automation and areas where we can effectively share or reallocate resources:

▶ Results

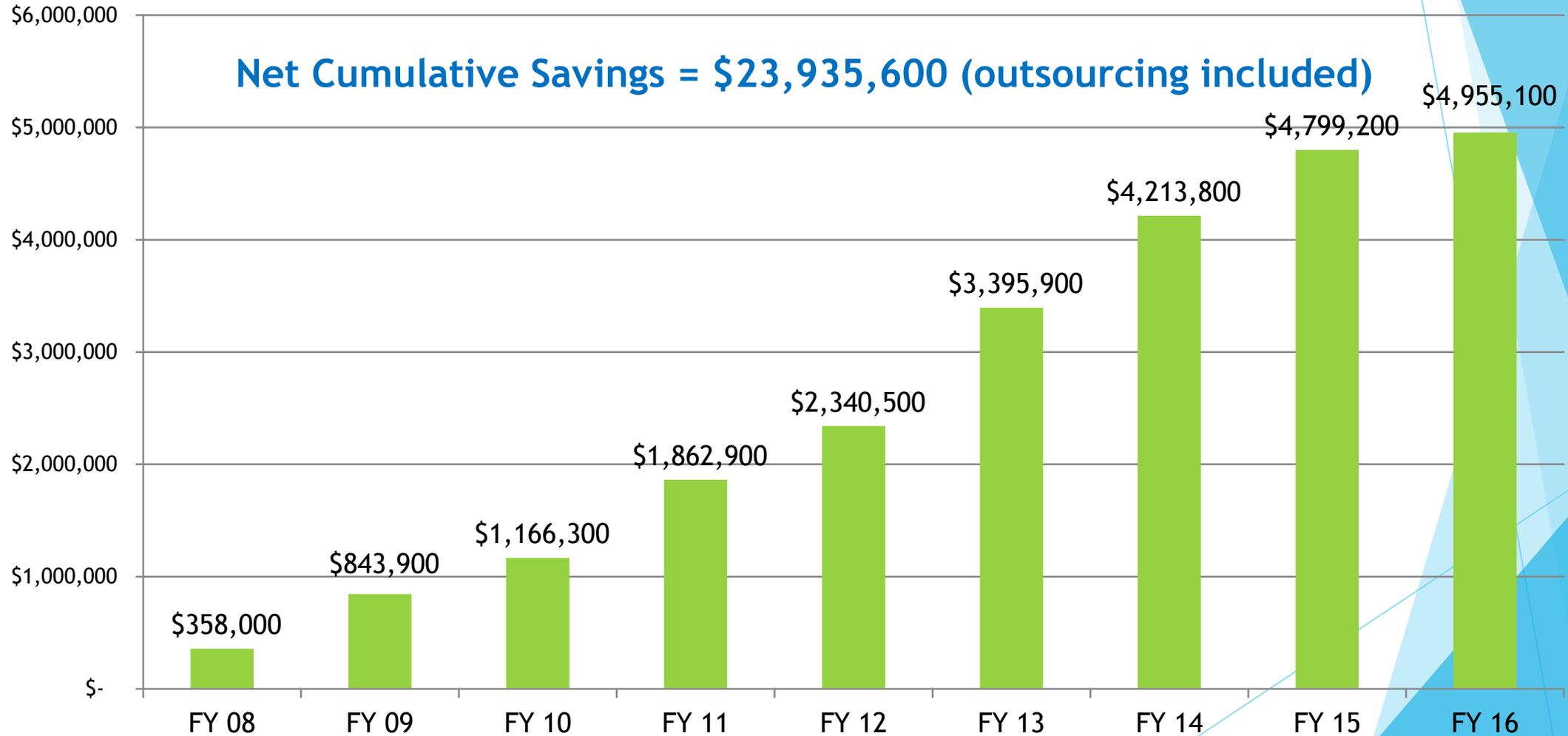
- ▶ Two vacant positions were deleted, reducing FTE from 140 to 138

Staffing Reductions

Employee Count

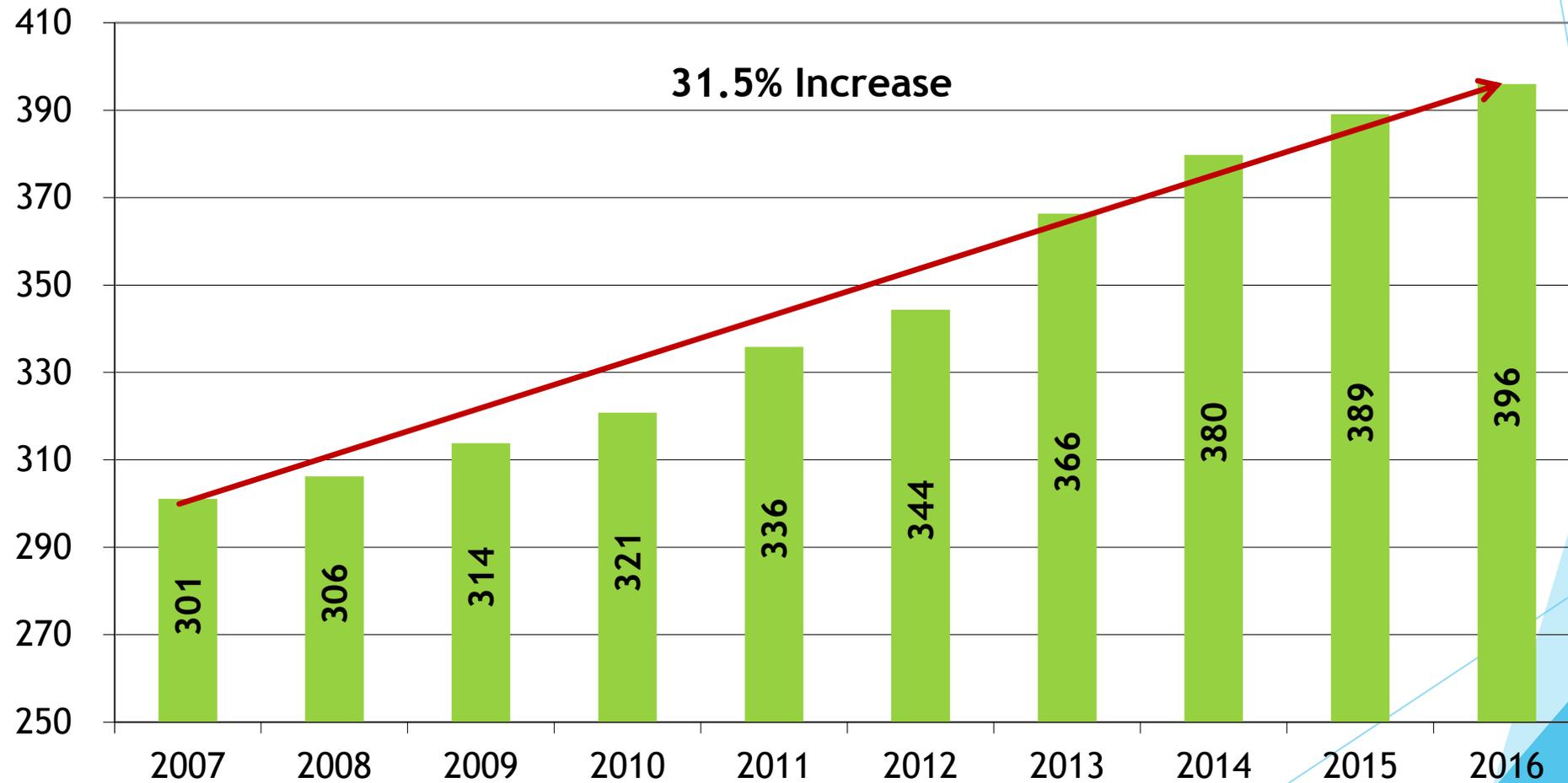


Cumulative Savings Due to Staffing Reductions



Efficiencies

Customers per FTE



Labor Costs

Salary and Benefits Overall Increase of \$463,000

- ▶ Increases in Salary and Benefits
 - ▶ Increase in salaries for negotiated COLA and performance based increases of \$203,200 or 3.3%
 - ▶ Increase in pension costs of \$280,000 or 8.0%
 - ▶ Increase for staff advancements of \$137,000 or 1.3%
 - ▶ Increase in health costs of \$228,600 or 4.9%
 - ▶ Increase in other benefits such as Social Security and Medicare of \$65,300 or 2.2%

Labor Costs (continued)

- ▶ Decreases in Staffing Levels, Salary and Benefits
 - ▶ Decrease in staffing level of (\$106,700) or (1.0%)
 - ▶ Decrease in temporary position of (\$98,500) or (0.9%)
 - ▶ Decrease in allocation to work orders (\$50,800) or (2.1%)
 - ▶ Decrease in overtime, vacancy factor, vacation/sick, and workers compensation of (\$153,100) or (1.2%)
 - ▶ Decrease in OPEB, offset by employee contributions (on track with 2013 actuarial valuation) of (\$42,000) or (2.9%)

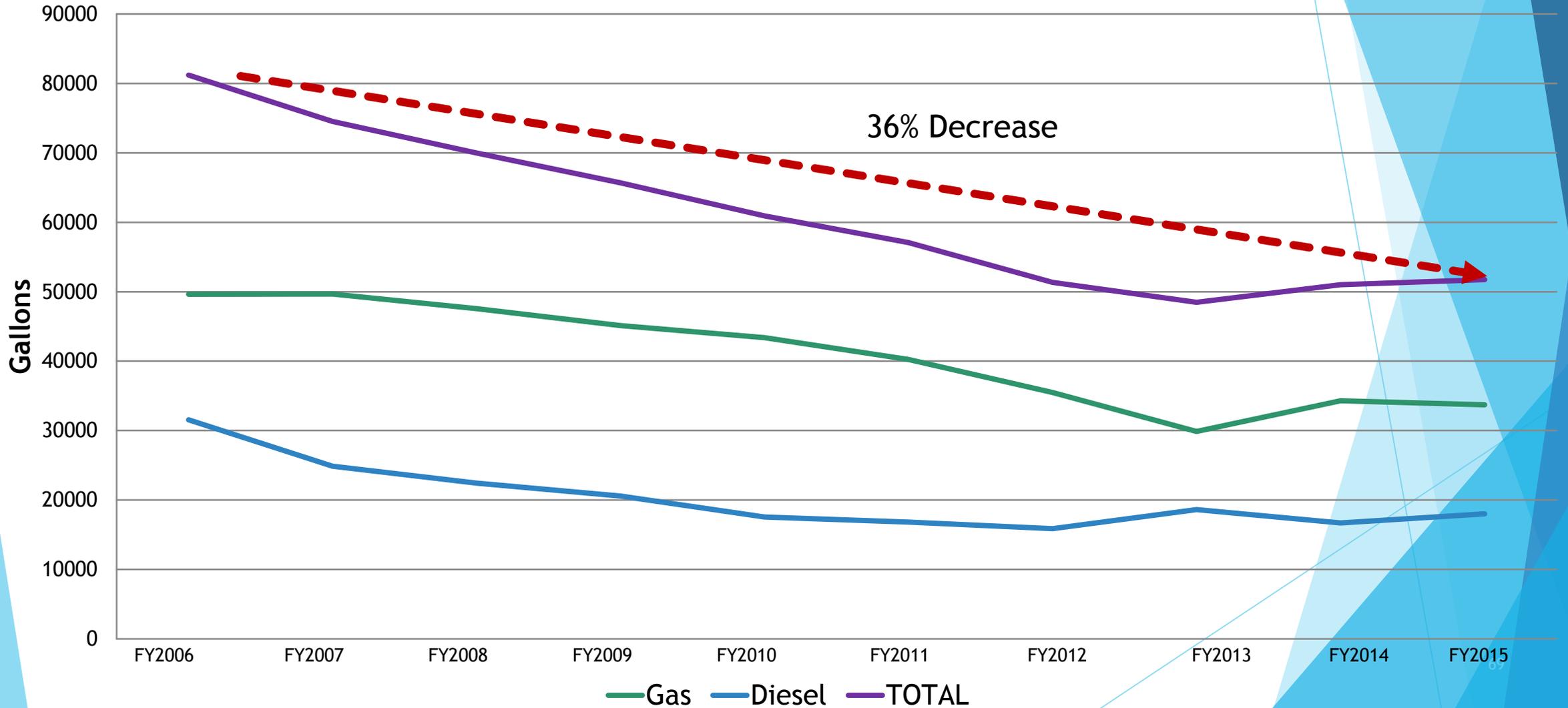
Materials & Maintenance

(Jose Martinez)

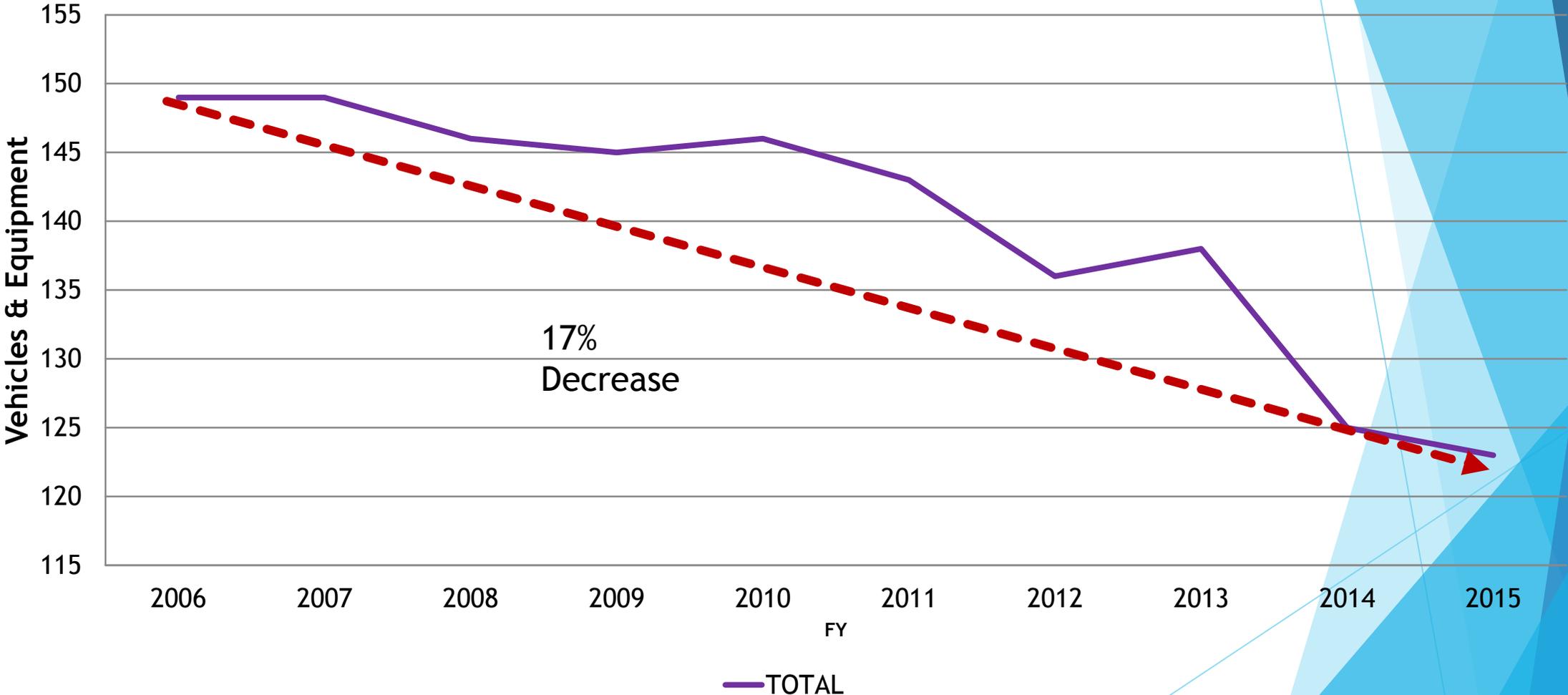
Materials & Maintenance Costs

- ▶ Overall decrease of \$7,000 or (0.2%)
 - ▶ Decrease in Metro O & M of (\$205,300) or (20.1%)
 - ▶ Decrease in Spring Valley Sewer of (\$93,200) or (33.9%)
 - ▶ Decrease in Fuel and Oil of (\$53,700) or (17.6%)
- ▶ Decreases offset by:
 - ▶ Increase in Contracted Services of \$107,200 or 18.2%
 - ▶ Increase in Safety Equipment by \$83,100 or 188.0%
 - ▶ Increase in Other Materials & Supplies by \$58,700 or 44.5%
 - ▶ Increase in Infrastructure Equipment & Supplies of \$96,300 or 18.3%

Fuel Consumption



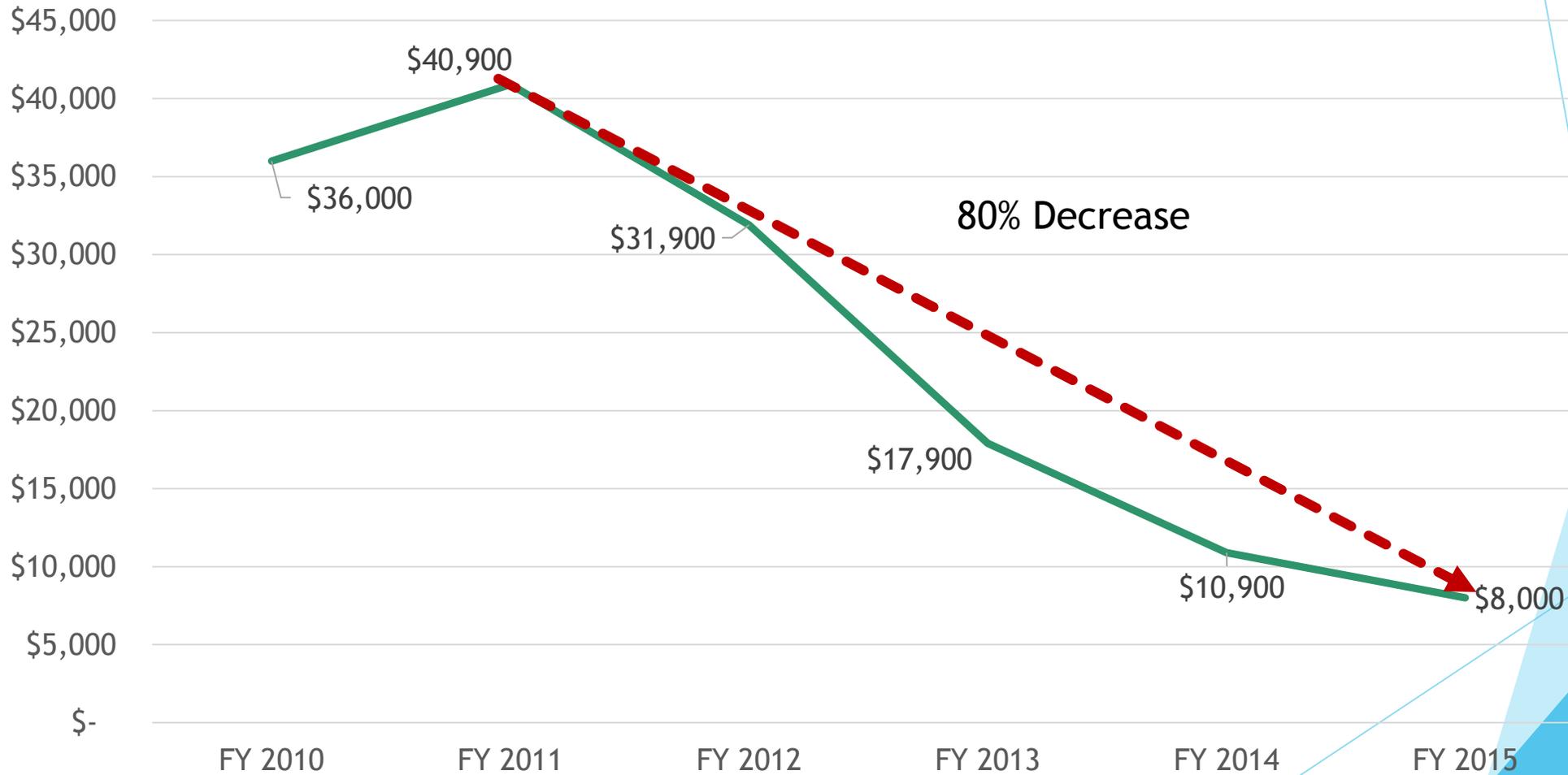
Vehicle and Equipment



70

Recycled Water DEH Charges

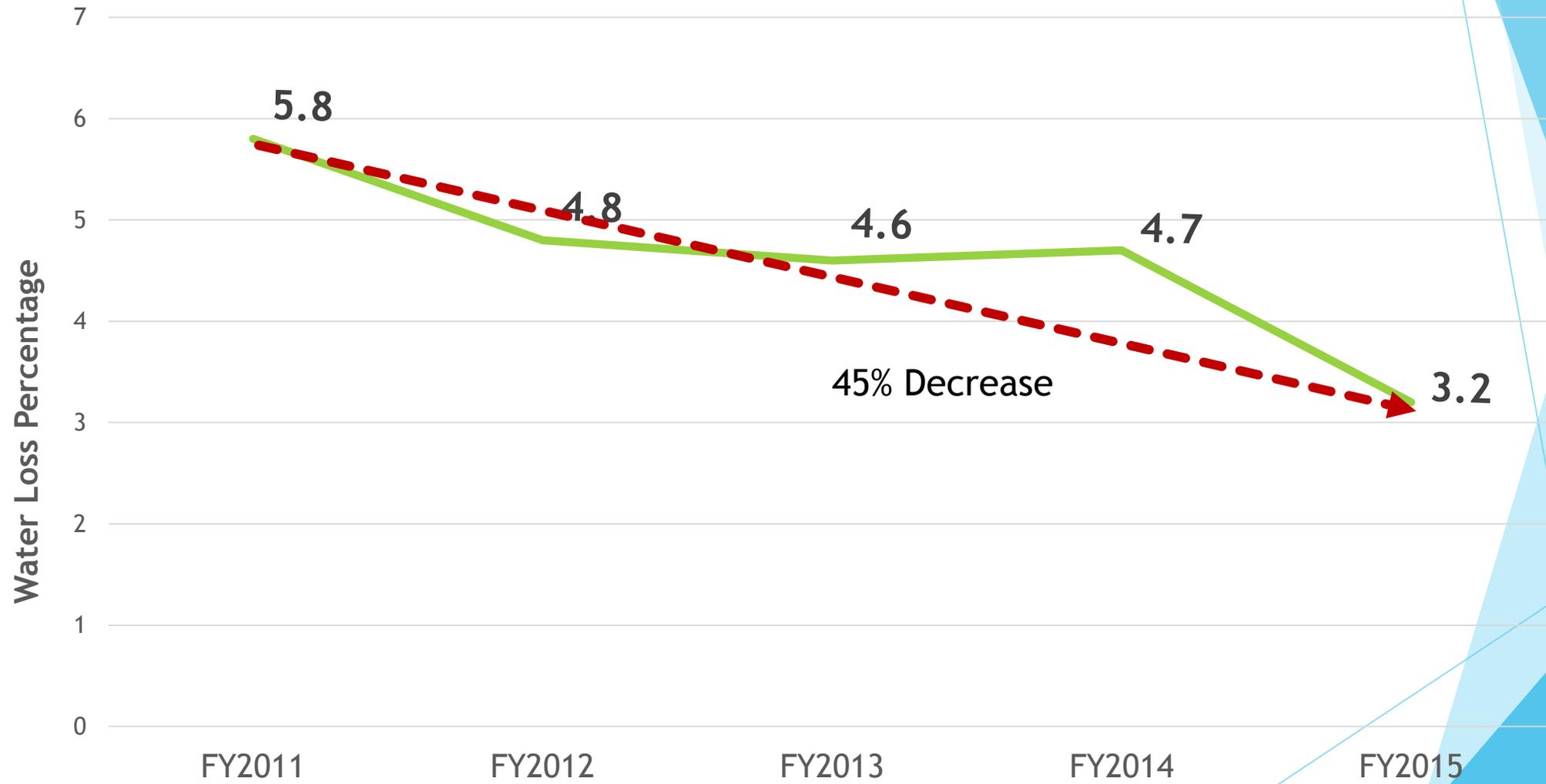
Recycled Inspection Fees



Water Losses

- ▶ The District’s “Leak Detection and Repair Program” is a major component for both **water conservation and asset management**.
- ▶ In conjunction with the District’s “Valve Maintenance Program,” we have been able to reduce and maintain our water losses way below the national average.
- ▶ *AWWA: “A commonly accepted rule-of-thumb for acceptable levels of unaccounted for water is 15%. Nonetheless, the real rule for deciding whether unaccounted for water exists at an acceptable level is an economic one.”*

Historical Water Loss



Administrative Costs

(Rita Bell)

Administrative Costs

- ▶ Overall Decrease (\$31,400) or (0.6%)
 - ▶ Decrease in legal expense of (\$160,000)
 - ▶ Decrease in insurance of (\$45,000)
 - ▶ Decrease in equipment of (\$27,300)
 - ▶ Decrease in fees of (\$25,700)
 - ▶ Decrease in overhead allocation of (\$19,900)

Administrative Costs (continued)

- ▶ **Increases in Administrative Costs**
 - ▶ Increase in Outside Services of \$150,000 (for conservation outreach efforts)
 - ▶ Increase in Leak Detection of \$107,500 (one-time)

Budget Summary

	Potable	Recycled	Sewer	Total
Revenues				
Water Sales	\$69,641,100	\$9,111,200		\$78,752,300
Sewer Revenues			3,206,300	3,206,300
Other Revenues	7,026,300	6,700	97,000	7,130,000
Total Revenues	\$76,667,400	\$9,117,900	\$3,303,300	\$89,088,600
Expenditures				
Water Purchases	\$44,278,700	\$1,705,800		\$47,059,200
Power	2,372,400	563,600	176,800	3,112,800
Labor and Benefits	18,518,100	1,181,600	681,300	20,381,000
Administrative Expenses	4,865,200	321,800	200,800	5,387,800
Materials & Maintenance	2,168,300	287,800	1,156,700	3,612,800
Reserve Funding	4,464,700	5,057,300	1,087,700	10,609,700
Total Expenditures	\$76,667,400	\$9,117,900	\$3,303,300	\$89,088,600

Summary

- ▶ Balanced budget which meets the water and sewer needs of our customers and supports the Strategic Plan.
 - ▶ Supported by a 5.4% average rate increase for water and only a system fee increase for sewer residential customers.
 - ▶ Staff recommends budgeting water conservation levels of 12% (which allows up to 17% conservation) to incorporate into budget for Board consideration at the June 3, 2015 Regular Board Meeting

QUESTIONS?