



"District of Distinction"
Serving the Public –
Respecting the Environment

EL TORO WATER DISTRICT BUDGET 2015/2016



EL TORO WATER DISTRICT
BOARD OF DIRECTORS
2015-2016

M. SCOTT GOLDMAN, PRESIDENT
WILLIAM H. KAHN, VICE-PRESIDENT
JOSE F. VERGARA, TREASURER
FREDERICK J. ADJARIAN, DIRECTOR
MARK MONIN, DIRECTOR

OFFICERS

ROBERT R. HILL, GENERAL MANAGER
MICHAEL P. GRANDY, CFO

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Community Outreach



Budget Overview

MISSION STATEMENT

The mission of the El Toro Water District is to plan and invest appropriately to provide its customers a safe, adequate and reliable supply of water, wastewater and recycled water service in an environmentally and economically responsible way.

FINANCIAL OBJECTIVES

Fiscal 2015-16

- ◆ Establish a revenue cash flow plan that is sufficient to fund the operating budget including the capital replacement & refurbishment program.
- ◆ Establish a reliable, stable and predictable rate adjustment strategy that minimizes impact to customers
- ◆ Maintain a minimum reserve level sufficient to fund legal, board mandated and working capital requirements.
- ◆ Employ cost containment and reduction strategies and practices as appropriate to cost effectively maintain reliable service levels.

BUDGET ASSUMPTIONS

FISCAL YEAR 2015-16

Revenue:

- WATER SALES is based on the purchase of 7,650 acre-feet (af) of water and delivery of 7,350 af to customers. This is in line with state mandates and MWDOC allocations which, among other things require the implementation of a Drought Factor as a part of the Cost of Service Study.
- WATER USAGE CHARGE to cover purchasing water from Metropolitan Water District through Municipal Water District of Orange County has been increased effective July 1, 2015 to match the costs charged to the District for that water. The local water use charge, which covers the District's costs to deliver water, has not increased; however, effective July 1, 2010 the amount was integrated into the overall water usage charge in connection with the Water Budget-Based Tiered Conservation Rate Structure. The allocation of costs within the various budget tiers has been further refined as explained in the most recent independently prepared Cost of Service Study.
- WATER SERVICE CHARGE (Water System Operations & Maintenance "O & M") has not increased since July 1, 2014 and is supported by an independent Cost of Service Study.
- RECYCLED WATER SALES are projected on the average annual sales to the Golden Rain Foundation and the initial sales generated by the Recycled Water Expansion Project. The rate for tertiary disinfected recycled water has been set based on the Cost of Service Study and is approximately 90% of the then current Tier II portable water rate.
- NON-RATE REVENUE reflects shared maintenance of joint facilities with neighboring agencies, communication site leases and other miscellaneous revenues.
- PROPERTY TAX REVENUE represents our share of the 1% general property taxes paid to the State.
- SEWER USAGE AND FIXED RATE the Sewer Usage and Fixed Rate has been increased effective July 1, 2015 to reflect the current cost of maintaining the system and is supported by an independent Cost of Service Study.
- INTEREST INCOME is expected to decrease as a result of reduced reserves.
- CAPITAL REPLACEMENT & REFURBISHMENT WATER AND SEWER CHARGE is designed to assist in covering the cost of water and sewer capital R&R during the year. No changes to this rate are contemplated.

BUDGET ASSUMPTIONS

FISCAL YEAR 2015-16

Revenue (continued):

- Rate increases will comply with all applicable state constitutional and statutory mandates.

BUDGET ASSUMPTIONS

FISCAL YEAR 2015-16

Expenses:

- PURCHASED WATER costs are affected by the anticipated reduction in water sales along with increased rates charged by Metropolitan Water District of Southern California and Municipal Water District of Orange County.
- ENERGY (electrical power) costs have been increased based on expected system operations and information provided by electrical power providers.
- SOCWA OPERATIONS costs for regional bio-solids and effluent treatment disposal have decreased slightly.
- LABOR/BENEFITS COST are projected to increase. The increase is driven by continued implementation of the succession plan, increases in medical premiums, the District's contributions to the retirement savings plan (401k), the "On-Call" premium along with administration of a Performance Based Merit Program. The proposed increases are partially offset by increased employee contributions to medical benefits.
- OPERATING COSTS exclusive of purchased water and labor are increasing compared to previous year's budget.

BUDGET ASSUMPTIONS

FISCAL YEAR 2015-16

CAPITAL REPLACEMENT & REFURBISHMENT PROGRAM:

Five-Year Capital Replacement & Refurbishment Program

Staff continues to evaluate and update the on-going five-year Water and Sewer Capital Replacement & Refurbishment Plan (CR&R) to preserve its water and sewer infrastructure investment, meet regulatory requirements and ensure a continuous high level of service. CR&R expenditures for fiscal year 2015/16 total \$3,798,527. The 2015/16 CR&R costs will be funded by 1) revenue generated by the CR&R charge, 2) loan proceeds and 3) Tier III & IV restricted reserves.

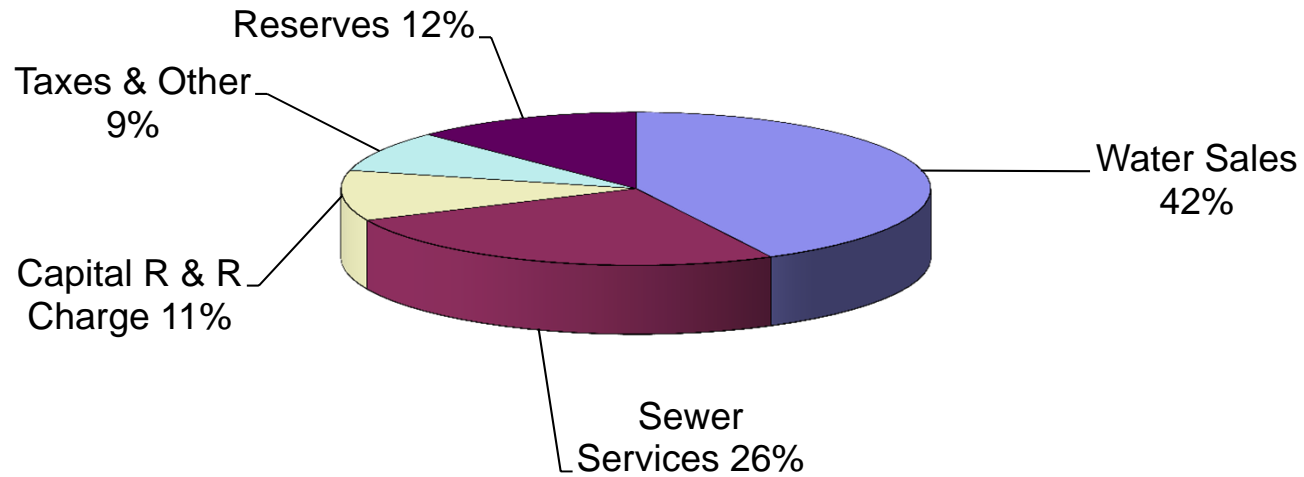
RESERVES:

The District maintains two categories of reserves: (1) those legally required to be held as the result of contractual agreement (2) Board Mandated reserves. Board Mandated reserves include (1) Capital Replacement & Refurbishment Program reserves for projects approved by the Board of Directors, (2) rate stabilization reserves, (3) operating reserves and (4) working capital. The current minimum reserve level for Board Mandated reserves, established by Board policy, is \$8.5 million. The District's fiscal year 2015-16 Budget includes a provision to utilize reserves to fund a portion of the five-year Capital Replacement & Refurbishment Plan.

EL TORO WATER DISTRICT

Where The Money Comes From

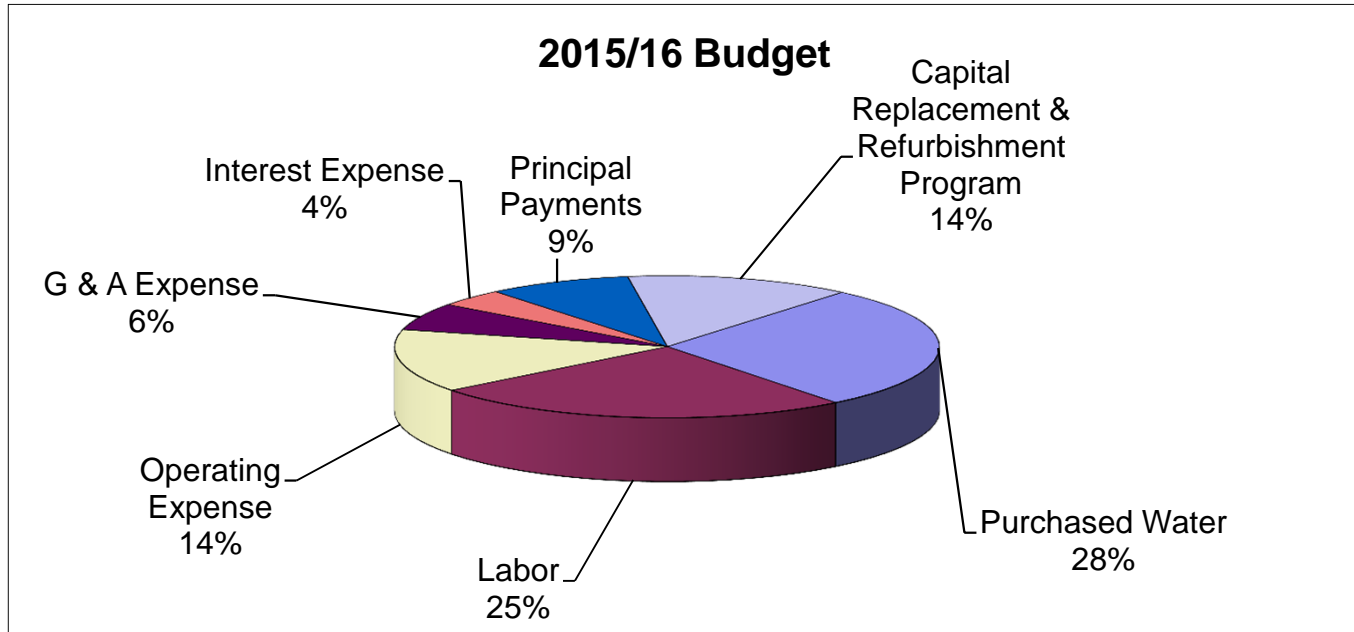
2015/16 Budget



Water Sales	\$11,996,805
Sewer Services	7,275,000
Capital R & R Charge	3,000,000
Taxes & Other	2,454,873
Reserves	3,531,443
	<hr/>
	\$28,258,121

EL TORO WATER DISTRICT

Where The Money Goes



Purchased Water	\$7,997,953
Labor	7,077,652
Operating Expense	4,066,509
G & A Expense	1,766,000
Interest Expense	1,138,577
Principal Payments	2,412,903
Capital Replacement & Refurbishment Program	3,798,527
	<hr/>
	\$28,258,121

Collections TV Van



Operations

**EL TORO WATER DISTRICT
ORGANIZATION CHART 2015 - 2016**

Department	Positions
<u>Administrative Services</u>	
General Manager	1
Chief Financial Officer/Assist GM	1
Director of Operations & Eng	1
Public Relations/EP Admin	1
Human Resources Manager	1
Exec.Assistant to BOD & GM	1
Office Assistant	1
Total	<u>7</u>
<u>Information Systems</u>	
Information Technology Manager	1
Total	<u>1</u>
<u>Accounting</u>	
Controller	1
Accountant	2
Supervisor Accounting	1
Total	<u>4</u>
<u>Purchasing/Receiving</u>	
Purchasing Agent	1
Total	<u>1</u>
<u>Customer Service - Office</u>	
C.S. Admin. Coordinator	1
C.S. Office Rep. II / Senior	2
Billing Clerk II	1
Total	<u>4</u>
<u>Customer Service - Field</u>	
Crew Chief	1
C.S. Field Rep. I	1
C.S. Field Rep. II	1
Total	<u>3</u>
<u>Engineering</u>	
Engineer Associate	1
Project Engineer	1
Recycled Water Coordinator	1
Compliance Program Coordinator	1
Total	<u>4</u>

Department	Positions
<u>Transmission & Distribution Crew</u>	
Foreman	1
Crew Chief	2
Maintenance Man III	1
Maintenance Man I	4
Total	<u>8</u>
<u>Pumping Crew</u>	
Foreman	1
Crew Chief	1
Maintenance Man III	3
Maintenance Man II	3
Electrical Sys/SCADA Supv	1
Total	<u>9</u>
<u>Treatment Plant</u>	
Chief Plant Operator	1
Truck Driver	2
Waste Water Operator III	3
Waste Water Operator II	1
Lab Supervisor	1
Lab Technician II	1
Total	<u>9</u>
<u>Collections & Transmissions</u>	
Industrial Waste Inspector	1
Crew Chief	1
Maintenance Man III	1
Maintenance Man I	2
Total	<u>5</u>
<u>Automotive</u>	
Senior Mechanic	1
Total	<u>1</u>
Open	1
Total	<u>1</u>
<u>Total Positions</u>	<u>57</u>

EL TORO WATER DISTRICT
LABOR / BENEFITS COMPARISON
2015-16

	Budget 2013/14	Budget 2014/15	Budget 2015/16	Change
Labor	\$4,635,358	\$4,906,930	\$5,089,587	\$182,657
Benefits	1,572,525	1,681,856	1,841,099	\$159,243
Workers Compensation and Unemployment Ins.	144,223	140,303	146,966	\$6,663
	<u>\$6,352,106</u>	<u>\$6,729,089</u>	<u>\$7,077,652</u>	<u>\$348,563</u>
Benefits as % of Labor	24.76%	24.99%	26.01%	

EL TORO WATER DISTRICT

BUDGET COMPARISON - Income Statement

Fiscal Years Ending June 30

	Budget 2013/14	Budget 2014/15	Budget 2015/16
Operating Revenue			
Water	\$12,163,009	\$12,834,906	\$11,996,805
Sewer	6,260,029	6,790,000	7,275,000
Capital Facilities Charge	3,000,000	3,000,000	3,000,000
Tertiary	0	0	1,171,873
Total Operating Revenue	21,423,038	22,624,906	23,443,678
Operating Expense			
Labor	6,352,106	6,729,089	7,077,652
Source of Supply	996,954	1,019,427	1,027,474
Purchased Water	8,342,158	8,701,171	7,997,953
Pumping Expense	497,984	501,895	609,428
Treatment Expense	819,620	890,119	925,150
Tertiary Treatment Expense	0	0	120,900
Trans. & Dist. Expense	699,306	718,738	738,198
Operating Support	513,704	528,807	644,859
Customer Accounts Expense	37,500	8,500	500
General & Administrative	1,552,122	1,668,800	1,766,000
Depreciation & Amortization	2,906,850	2,906,845	2,906,845
Total Operating Expense	22,718,304	23,673,392	23,814,959
Operating Income	(1,295,266)	(1,048,486)	(371,281)
Non Operating Revenue	1,341,874	1,575,244	1,283,000
Non Operating Expense	(461,990)	(137,000)	(1,138,577)
Internal Resources	2,454,713	910,513	3,531,443
Total Non Operating	3,334,597	2,348,757	3,675,866
Excess of Revenues and Cash Flows Over Expense	\$ 2,039,331	\$ 1,300,271	\$ 3,304,585

EL TORO WATER DISTRICT

BUDGET COMPARISON - Operating Expenses

Fiscal Years Ending June 30

Operating Expense	Budget 2013/14	Budget 2014/15	Budget 2015/16
Labor	\$6,352,106	\$6,729,089	\$7,077,652
Purchased Water	8,342,158	8,701,171	8,370,953
Source of Supply	996,954	1,019,427	1,027,474
Pumping Expense	497,984	501,895	609,428
Treatment Expense	819,620	890,119	925,150
Trans. & Dist. Expense	699,306	718,738	738,198
Operating Support	513,703	528,806	644,859
Customer Accounts Expense	37,500	8,500	500
General & Administrative	1,552,122	1,668,800	1,766,000
Depreciation & Amortization	2,906,850	2,906,845	2,906,845
Total Operating Expense	<u>\$22,718,303</u>	<u>\$23,673,391</u>	<u>\$24,067,059</u>

EL TORO WATER DISTRICT

BUDGET COMPARISON - Source of Supply

Fiscal Years Ending June 30

	<u>Budget 2013/14</u>	<u>Budget 2014/15</u>	<u>Budget 2015/16</u>
SOCWA	\$895,745	\$926,468	\$920,000
Sources of Supply	101,209	92,959	107,474
Source of Supply	<u>\$996,954</u>	<u>\$1,019,427</u>	<u>\$1,027,474</u>
 Purchased Water	 <u>\$8,342,158</u>	 <u>\$8,701,171</u>	 <u>\$7,997,953</u>

EL TORO WATER DISTRICT

BUDGET COMPARISON - Pumping

Fiscal Years Ending June 30

	<u>Budget 2013/14</u>	<u>Budget 2014/15</u>	<u>Budget 2015/16</u>
Fuel & Power	\$292,500	\$311,761	\$348,100
Operating & Maintenance Exp.	<u>205,484</u>	<u>190,134</u>	<u>261,328</u>
	<u>\$497,984</u>	<u>\$501,895</u>	<u>\$609,428</u>

EL TORO WATER DISTRICT

BUDGET COMPARISON - Treatment

Fiscal Years Ending June 30

	Budget 2013/14	Budget 2014/15	Budget 2015/16
Fuel & Power	\$577,200	\$613,219	\$695,200
Operating & Maintenance Exp.	242,420	276,900	229,950
	\$819,620	\$890,119	\$925,150

EL TORO WATER DISTRICT

BUDGET COMPARISON - Tertiary Treatment

Fiscal Years Ending June 30

	<u>Budget 2013/14</u>	<u>Budget 2014/15</u>	<u>Budget 2015/16</u>
Fuel & Power	\$0	\$0	\$87,400
Operating & Maintenance Exp.	<u>0</u>	<u>0</u>	<u>33,500</u>
	<u>\$0</u>	<u>\$0</u>	<u>\$120,900</u>

EL TORO WATER DISTRICT

BUDGET COMPARISON - Transmission & Distribution

Fiscal Years Ending June 30

	Budget 2013/14	Budget 2014/15	Budget 2015/16
Operating & Maintenance Exp.	<u>\$699,306</u>	<u>\$718,738</u>	<u>\$738,198</u>
	<u>\$699,306</u>	<u>\$718,738</u>	<u>\$738,198</u>

EL TORO WATER DISTRICT

BUDGET COMPARISON - Operations Support

Fiscal Years Ending June 30

	Budget 2013/14	Budget 2014/15	Budget 2015/16
Vehicle Maintenance	\$305,390	\$303,893	\$344,845
Warehouse & Facilities	208,314	224,914	300,014
	<u>\$513,704</u>	<u>\$528,807</u>	<u>\$644,859</u>

EL TORO WATER DISTRICT

BUDGET COMPARISON - Customer Accounts

Fiscal Years Ending June 30

	Budget 2013/14	Budget 2014/15	Budget 2015/16
Conservation Programs	<u>\$37,500</u>	<u>\$8,500</u>	<u>\$500</u>
Total Customer Accounts	<u><u>\$37,500</u></u>	<u><u>\$8,500</u></u>	<u><u>\$500</u></u>

EL TORO WATER DISTRICT

BUDGET COMPARISON - General & Administration

Fiscal Years Ending June 30

	Budget 2013/14	Budget 2014/15	Budget 2015/16
Insurance & Damages	\$439,000	\$408,500	\$400,000
Director's Fees	100,000	100,000	100,000
Meetings & Conventions	35,000	35,000	55,000
Legal Fees	100,000	125,000	150,000
Public Relations	113,000	152,000	202,500
General Plant Maintenance	63,322	86,000	116,000
Utilities, Building Security, Janitorial	78,700	88,800	102,300
Auditing Fee	29,000	30,000	30,000
Dues and Memberships	76,000	78,000	80,000
Voice and Data Communications	70,000	70,000	70,000
Publications and Subscriptions	3,000	3,000	3,000
Printing and Reproduction	25,000	25,000	25,000
Equipment Rental	15,000	10,000	11,000
Other Employee Costs	25,000	25,000	25,000
Bank and Paycheck Services	39,600	44,000	48,000
Bad Debts	30,000	30,000	30,000
Employee Events, Education, and Service Awards	14,500	14,500	14,700
Temporary Help	25,000	25,000	25,000
Computer Supplies	75,000	75,000	75,000
Office Supplies	18,000	18,000	20,500
Property Taxes	3,000	6,000	6,000
Elections/Other	0	45,000	0
Outside Contractors and Consultants	165,000	165,000	166,500
Postage	10,000	10,000	10,500
Total General & Administrative	\$1,552,122	\$1,668,800	\$1,766,000
Depreciation & Amortization	\$2,906,850	\$2,906,845	\$2,906,845

EL TORO WATER DISTRICT

BUDGET COMPARISON - Non-Operating Income & Expense

Fiscal Years Ending June 30

	<u>Budget 2013/14</u>	<u>Budget 2014/15</u>	<u>Budget 2015/16</u>
Tax Revenue	\$700,000	\$740,000	\$740,000
Interest Income	84,000	80,000	50,000
Other Revenue	<u>557,874</u>	<u>755,244</u>	<u>493,000</u>
Total Non-Operating Revenue	<u><u>\$1,341,874</u></u>	<u><u>\$1,575,244</u></u>	<u><u>\$1,283,000</u></u>
Interest Expense	<u>\$461,990</u>	<u>\$137,000</u>	<u>\$1,138,577</u>
Total Non-Operating Expense	<u><u>\$461,990</u></u>	<u><u>\$137,000</u></u>	<u><u>\$1,138,577</u></u>

Tertiary Treatment Plant



**5 – Year Capital
R & R Program**

**EL TORO WATER DISTRICT
FIVE YEAR CAPITAL IMPROVEMENT PLAN
PROJECTS
F.Y. 2015/16 - 2019/2020**

ITEM #	DESCRIPTION	2015/16	2016/17	2017/18	2018/19	2019/20	TOTAL	WATER	SEWER
<u>Source of Supply / Storage</u>									
1	R-2 Reservoir Interior Recoating (E/C)				250,000		250,000	250,000	
2	R-2 Reservoir Exterior Recoating (E/C)				75,000		75,000	75,000	
3	Replace R-6 Sodium Hypochlorite Tanks			200,000			200,000	200,000	
4	R-1 / R-2 Reservoir Management System (C)	500,000					500,000	500,000	
4a	R-1 / R-2 Reservoir Management System Budget Carryover	(500,000)					(500,000)	(500,000)	
5	JRWSS Capital Budget	24,562	139,702	4,800	390		169,454	169,454	
<i>Total Source of Supply</i>		24,562	139,702	204,800	325,390	0	694,454	694,454	0
<u>Recycled Water</u>									
1	Recycled Water Expansion Project Retrofits	3,000,000					3,000,000	3,000,000	
1a	Recycled Water Expansion Project Funding - Restricted Reserves	(2,400,000)					(2,400,000)	(2,400,000)	
1b	Recycled Water Expansion Project Funding - MWD Rebates	(600,000)					(600,000)	(600,000)	
2	Recycled Water Phase II Funding Consultant Assistance	100,000					100,000	100,000	
3	ETWD / MNWD Recycled Water Master Plan	50,000					50,000	50,000	
<i>Total Treatment (Water)</i>		150,000	0	0	0	0	150,000	150,000	0
<u>Pumping (Water)</u>									
1	P-3 New MCC with TS, Nema 3R Main & Generator Installation.			320,000			320,000	320,000	
2	Water Stations PLC Upgrade to Control Logix	20,000	25,000	25,000	25,000	25,000	120,000	120,000	
2a	Water Stations PLC Upgrade to Control Logix Budget Carryover	(20,000)					(20,000)	(20,000)	
3	Baker Pump Station	950,390					950,390	950,390	
3a	Baker Pump Station Budget Carryover	(775,390)					(775,390)	(775,390)	
<i>Total Pumping (Water)</i>		175,000	25,000	345,000	25,000	25,000	595,000	595,000	0
<u>Pumping (Sanitation)</u>									
1	Oso Improvement Project	1,500,000					1,500,000		1,500,000
1a	Oso Improvement Project Budget Carryover	(656,000)					(656,000)		(656,000)
2	Aliso Creek Lift Station Skid Pump and Piping					200,000	200,000		200,000
3	Also Creek Lift Station Spare Grinder			45,000			45,000		45,000
4	Sewer Stations PLC Upgrade to Control Logix	26,000	25,000	25,000	25,000	25,000	126,000		126,000
5	Sewer Stations PLC Upgrade to Control Logix Budget Carryover	(26,000)					(26,000)		(26,000)
6	4920 Siphon Stabilization				150,000		150,000		150,000
<i>Total Pumping (Sanitation)</i>		844,000	25,000	70,000	175,000	225,000	1,339,000	0	1,339,000

**EL TORO WATER DISTRICT
FIVE YEAR CAPITAL IMPROVEMENT PLAN
PROJECTS
F.Y. 2015/16 - 2019/2020**

ITEM #	DESCRIPTION	2015/16	2016/17	2017/18	2018/19	2019/20	TOTAL	WATER	SEWER
<u><i>Treatment (Sanitation)</i></u>									
1	WRP Main Electrical Power Breaker Upgrade					35,000	35,000		35,000
2	Grit Chamber Rehab/Re-Coating					85,000	85,000		85,000
3	New Scum Station for Clarifiers #3 & #4		35,000				35,000		35,000
4	Turbo Blower for the Aeration System	300,000					300,000		300,000
5	Secondary Clarifier Component Replacement			150,000		150,000	300,000		300,000
6	New MCC S-D Electrical Cabinet & Breakers (DAF Unit #1)		30,000				30,000		30,000
7	Reconstruct (west side) Drainage Swayle at the Holding Pond			65,000			65,000		65,000
8	WAC Cleaning (Grit Removal)				55,000		55,000		55,000
9	HACH (WIMS) Maint. Job Cal Database Management Software System			10,500			10,500		10,500
							0		0
	<i>Total Treatment (Sanitation)</i>	300,000	65,000	225,500	55,000	270,000	915,500	0	915,500
<u><i>Outside Treatment (SOCWA)</i></u>									
1	PC-17 (R)	1,757,437	351,989	114,212	510,598	357,586	3,091,822		3,091,822
1a	PC-17 (R) Budget Carryover	(235,822)					(235,822)		(235,822)
2	PC-21	212,500	236,900	500,000			949,400		949,400
3	PC-24	8,150		12,970			21,120		21,120
	<i>Total Treatment (SOCWA)</i>	1,742,265	588,889	627,182	510,598	357,586	3,826,520	0	3,826,520
<u><i>Transmission & Distribution</i></u>									
1	Gate 11 Hydraulic Improvement Project					180,000	180,000	180,000	
2	Automated Meter Reading	20,000					20,000	20,000	
	<i>Total Mainline</i>	20,000	0	0	0	180,000	200,000	200,000	
<u><i>General Building</i></u>									
1	Master Plan Update					200,000	200,000	100,000	100,000
2	Main Office Demonstration Garden	250,000					250,000	125,000	125,000
2a	Main Office Demonstration Garden Budget Carryover	(125,000)					(125,000)	(62,500)	(62,500)
3	Field Ops - Carpeting, Window Coverings		30,000				30,000	15,000	15,000
	<i>Total General Building</i>	125,000	30,000	0	0	200,000	355,000	177,500	177,500

**EL TORO WATER DISTRICT
FIVE YEAR CAPITAL IMPROVEMENT PLAN
PROJECTS
F.Y. 2015/16 - 2019/2020**

ITEM #	DESCRIPTION	2015/16	2016/17	2017/18	2018/19	2019/20	TOTAL	WATER	SEWER
	<u>Contingency</u>								
1	Contingency	50,000	100,000	250,000	325,000	550,000	1,275,000	637,500	637,500
2	Inflation @ 5%		7,250	44,126	31,973	52,093	135,442	67,721	67,721
	<i>Total Contingency</i>	50,000	107,250	294,126	356,973	602,093	1,410,442	705,221	705,221
	Total Capital Projects	3,430,827	980,841	1,766,608	1,447,961	1,859,679	9,485,916	2,522,175	6,963,741
	WATER	457,062	233,327	696,863	528,876	606,047	2,522,175	2,522,175	
	SEWER	2,973,765	747,514	1,069,745	919,085	1,253,632	6,963,741		6,963,741
	<u>Total Capital Projects</u>	<u>3,430,827</u>	<u>980,841</u>	<u>1,766,608</u>	<u>1,447,961</u>	<u>1,859,679</u>	<u>9,485,916</u>	<u>2,522,175</u>	<u>6,963,741</u>
	<u>Total Capital Equipment</u>	<u>367,700</u>	<u>1,428,775</u>	<u>549,963</u>	<u>1,028,247</u>	<u>638,023</u>	<u>4,012,708</u>	<u>1,672,154</u>	<u>2,340,554</u>
	<u>Total Capital Budget</u>	<u>3,798,527</u>	<u>2,409,616</u>	<u>2,316,571</u>	<u>2,476,208</u>	<u>2,497,702</u>	<u>13,498,624</u>	<u>4,194,329</u>	<u>9,304,295</u>
	WATER	597,062	779,965	936,844	960,400	920,058	4,194,329	4,194,329	
	SEWER	3,201,465	1,629,652	1,379,726	1,515,808	1,577,644	9,304,295		9,304,295

**EL TORO WATER DISTRICT
FIVE YEAR CAPITAL IMPROVEMENT PLAN
EQUIPMENT
F.Y. 2015/16 - 2019/2020**


ITEM #	DESCRIPTION	2015/16	2016/17	2017/18	2018/19	2019/20	TOTAL	WATER	SEWER
<u><i>Pumping (Water) Equipment</i></u>									
1	Chlorine Injection Trailer Replacement			20,000			20,000	20,000	
	<i>Total Pumping (Water)</i>	0	0	20,000			20,000	20,000	0
<u><i>Pumping (Sanitation) Equipment</i></u>									
1	4920 Generator			5,000			5,000		5,000
	<i>Total Pumping (Sanitation)</i>	0	0	5,000	0	0	5,000	0	5,000
<u><i>Treatment (Sanitation) Equipment</i></u>									
1	Aeration Basin Diffusers	9,200			9,200		18,400		18,400
2	RAS Pumps Upgrade			25,000		25,000	50,000		50,000
3	One Set of Stairs/Handrails to be Installed at each Biofilter		10,000				10,000		10,000
4	OOPS Butterfly Valves			10,000			10,000		10,000
5	Rotostrainer Drum Replacement		30,000				30,000		30,000
6	Effluent Pump Station Pump Replacements				100,000		100,000		100,000
7	Convert EQ Basin Influent Gates to MOV Control	15,000					15,000		15,000
8	Kubota Utility Vehicle for the Plant		10,500				10,500		10,500
9	MCC-GB2 (1,200) AMP Breaker Replacement	16,500					16,500		16,500
10	Portable Trailer Mounted 6.0 inch Pump with Suction & Discharge Hose			40,000			40,000		40,000
11	Air Cleaning System for the Aeration Basin's Dissolved Oxygen Sensors	15,000					15,000		15,000
	<i>Total Treatment (Sanitation)</i>	55,700	50,500	75,000	109,200	25,000	315,400	0	315,400
<u><i>Laboratory</i></u>									
1	Laboratory Refrigerator	10,000					10,000		10,000
2	Laboratory Autoclave	12,000					12,000		12,000
3	Ion Chromatography System		30,000				30,000		30,000
	<i>Total Laboratory</i>	22,000	30,000	0			52,000	0	52,000

**EL TORO WATER DISTRICT
FIVE YEAR CAPITAL IMPROVEMENT PLAN
EQUIPMENT
F.Y. 2015/16 - 2019/2020**

ITEM #	DESCRIPTION	2015/16	2016/17	2017/18	2018/19	2019/20	TOTAL	WATER	SEWER
<u>Collection Equipment</u>									
1	P332 Flexiprobe Inspection System - CUES		20,000				20,000		20,000
2	P350 Flexiprobe Inspection System - CUES				46,000		46,000		46,000
3	24" Smart Covers Manhole Covers	10,000	10,000	10,000	10,000	10,000	50,000		50,000
4	Backup Tractor & TV Camera					45,000	45,000		45,000
5	Portable Motorized Hydro Jetter		70,000				70,000		70,000
6	Arrow Board Trailer		15,000				15,000		15,000
Total Collection		10,000	115,000	10,000	56,000	55,000	246,000	0	246,000
<u>Earthquake / Emergency Preparedness</u>									
1	Yard Generator Enclosure		65,000				65,000	32,500	32,500
Total Earthquake/Emerg. Preparedness		0	65,000	0	0	0	65,000	32,500	32,500
<u>Vehicles/Vehicle Equipment</u>									
1	Vehicle Replacement	65,000	100,000	75,000	75,000	75,000	390,000	195,000	195,000
2	WRP Tractor		175,000				175,000		175,000
3	Dump Truck Replacement (Unit 50)		165,000				165,000	82,500	82,500
4	Hydro Excavator				450,000		450,000	225,000	225,000
5	Warehouse Forklift		50,000				50,000	25,000	25,000
6	Portable Building		10,000				10,000	5,000	5,000
7	1991 Small Dump Truck (Unit 4)		50,000				50,000	25,000	25,000
8	2001 F-450 Hydrant and Valve Truck (Unit 60)					70,000	70,000	70,000	
9	Mechanics Service Truck (Unit 91)		110,000				110,000	55,000	55,000
Total Vehicles / Vehicle Equipment		65,000	660,000	75,000	525,000	145,000	1,470,000	682,500	787,500
<u>Construction/Mechanical/Electical Equipment</u>									
1	Backhoe		160,000				160,000	80,000	80,000
2	Valve Turning Machine Trailer or Skid Mounted		35,000				35,000	35,000	
Total Consruction Equipment		0	195,000	0	0	0	195,000	115,000	80,000
<u>Office Equipment/Furniture</u>									
1	GIS / IMS	150,000	150,000	100,000	0	0	400,000	200,000	200,000
2	Field Ops - Ice Machine and enclosure	15,000					15,000	7,500	7,500
Total Office Equipment / Furniture		165,000	150,000	100,000	0	0	415,000	207,500	207,500

**EL TORO WATER DISTRICT
FIVE YEAR CAPITAL IMPROVEMENT PLAN
EQUIPMENT
F.Y. 2015/16 - 2019/2020**

ITEM #	DESCRIPTION	2015/16	2016/17	2017/18	2018/19	2019/20	TOTAL	WATER	SEWER
	<u>Contingency</u>								
1	Contingency	50,000	100,000	250,000	300,000	400,000	1,100,000	550,000	550,000
2	Inflation @ 5%		63,275	14,963	38,047	13,023	129,308	64,654	64,654
	<i>Total Miscellaneous</i>	50,000	163,275	264,963	338,047	413,023	1,229,308	614,654	614,654
	<u>Total Capital Equipment</u>	\$367,700	\$1,428,775	\$549,963	\$1,028,247	\$638,023	\$4,012,708	1,672,154	2,340,554
	WATER	140,000	546,638	239,981	431,524	314,012	1,672,154	1,672,154	
	SEWER	227,700	882,138	309,981	596,724	324,012	2,340,554		2,340,554
	<u>Total Capital Equipment</u>	\$367,700	\$1,428,775	\$549,963	\$1,028,247	\$638,023	\$4,012,708	1,672,154	2,340,554
	<u>Total Capital Projects</u>	\$3,430,827	\$980,841	\$1,766,608	\$1,447,961	\$1,859,679	\$9,485,916	2,522,175	6,963,741
	<u>Total Capital Budget</u>	\$3,798,527	\$2,409,616	\$2,316,571	\$2,476,208	\$2,497,702	\$13,498,624	4,194,329	9,304,295
	WATER	597,062	779,965	936,844	960,400	920,058	4,194,329		
	SEWER	3,201,465	1,629,652	1,379,726	1,515,808	1,577,644	9,304,295		

A photograph of a recycled water pump station. In the foreground, a blue sign with white text and a wavy bottom edge reads "RECYCLED WATER PUMP STATION". Behind the sign, several large, grey, cylindrical pump units are visible, each with a black discharge pipe. To the right, a large, horizontal, blue pipe with multiple valves and flanges runs across the frame. The background features a grassy hill with trees and a clear blue sky. The entire image is framed by a thin black border.

**Recycled Water
Pumps and
Discharge Piping**

**RECYCLED
WATER PUMP
STATION**

**2015/2016
Capital Replacement and
Refurbishment Program**

2014/15 CAPITAL REPLACEMENT & REFURBISHMENT PROGRAM

Projects

Source of Supply / Storage

1	R-1 / R-2 Reservoir Management System (C)	500,000
1a	R-1 / R-2 Reservoir Management System Budget Carryover	(500,000)
2	JRWSS Capital Budget	24,562
<i>Total Source of Supply</i>		24,562

Recycled Water

3	Recycled Water Retrofits	3,000,000
3a	Recycled Water Retrofits Funding - Restricted Reserves	(2,400,000)
3b	Recycled Water Retrofits Funding - MWD Rebates	(600,000)
4	Recycled Water Phase II Funding Consultant Assistance	100,000
5	ETWD / MNWD Recycled Water Master Plan	50,000
<i>Total Recycled Water</i>		150,000

Pumping (Water)

6	Water Stations PLC Upgrade	20,000
6a	Water Stations PLC Upgrade Budget Carryover	(20,000)
7	Baker Pump Station	950,390
7a	Baker Pump Station Budget Carryover	(775,390)
<i>Total Pumping (Water)</i>		175,000

Pumping (Sanitation)

8	Oso Improvement Project	1,500,000
8a	Oso Improvement Project Budget Carryover	(656,000)
9	Sewer Stations PLC Upgrade	26,000
9a	Sewer Stations PLC Upgrade Carryover	(26,000)
<i>Total Pumping (Sanitation)</i>		844,000

Treatment (Sanitation)

10	Turbo Blower for the Aeration System	300,000
<i>Total Treatment (Sanitation)</i>		300,000

Outside Treatment (SOCWA)

11	PC-17 (R)	1,757,437
11a	PC-17 (R) Budget Carryover	(235,822)
12	PC-21	212,500
13	PC-24	8,150
<i>Total Treatment (SOCWA)</i>		1,742,265

Transmission & Distribution

14	Automated Meter Reading	20,000
<i>Total Mainline</i>		20,000

General Building

15	Main Office Demonstration Garden	250,000
15a	Main Office Demonstration Garden Budget Carryover	(125,000)
<i>Total General Building</i>		125,000

Contingency

16	Short Term Contingency	50,000
<i>Total Contingency</i>		50,000

Total Capital Projects \$3,430,827

Equipment

Treatment (Sanitation) Equipment

1	Aeration Basin Diffusers	9,200
2	Convert EQ Basin Influent Gates to MOV Control	15,000
3	MCC-GB2 (1,200) AMP Breaker Replacement	16,500
4	Air Cleaning System for Aeration Basin DO Sensors	15,000
<i>Total Treatment (Sanitation)</i>		55,700

Laboratory

5	Laboratory Refrigerator	10,000
6	Laboratory Autoclave	12,000
<i>Total Laboratory</i>		22,000

Collection Equipment

7	24" Smart Covers Manhole Covers	10,000
<i>Total Collection</i>		10,000

Vehicles/Vehicle Equipment

8	Vehicle Replacement	65,000
<i>Total Vehicles / Vehicle Equipment</i>		65,000

Office Equipment/Furniture

9	GIS / IMS	150,000
10	Field Ops - Ice Machine and enclosure	15,000
<i>Total Office Equipment / Furniture</i>		165,000

Contingency

11	Short Term Contingency	50,000
<i>Total Miscellaneous</i>		50,000

Total Capital Equipment \$367,700

Total Capital Projects 3,430,827

Total Capital Equipment 367,700

Total Capital Budget 3,798,527

LEGEND

WATER

SEWER

BOTH

An aerial rendering of the Baker Water Treatment Plant project. The image shows a large industrial facility with several buildings and tanks. In the upper left, there are two large white circular tanks. Below them are three buildings with orange roofs: one labeled 'CHEMICAL BUILDING', one labeled 'MF FEED PUMP STATION' with a blue rectangular feature, and a larger one labeled 'TREATMENT BUILDING'. The facility is surrounded by greenery and a road. In the bottom right, there is a residential area with houses.

Baker Water Treatment Plant Project

**2015/2016
Capital Facility Project
Descriptions > \$20,000**

PROJECT TITLE: R-1/R-2 RESERVOIR MANAGEMENT SYSTEM



CAPITAL PLAN CLASSIFICATION: SOURCE OF SUPPLY / STORAGE - WATER (PROJECT #1)

LOCATION: R-1 & R-2 RESERVOIR SITE

PROJECT BASIS: Water Quality; Reliability; Safety; Regulatory Compliance

DESCRIPTION: Over the last several years the District has installed reservoir management systems in three of its five storage tanks in an effort to preserve critical chlorine residuals as well as mitigate the development of Nitrites and disinfection by-products in the stored water. The R-1 and R-2 Reservoirs are the only remaining tanks lacking the RMS technology. These two tanks continue to experience subpar chlorine residuals as well as numerous nitrite issues. The discharge of the water then carries the water quality problems throughout the local distribution network. The proposed system will preserve water quality in the tanks and in the local distribution system as well as maximize the benefit of reservoir management systems in the downstream tanks and help position the District for continued compliance with the recent Stage 2 Disinfection Byproducts Rule. The project design is complete. The 2015/16 budget has been carried over from a previous budget year to fund construction of the project.

PROJECT BUDGET: \$500,000 (Carryover from 2014/15 Capital Budget)

BASIS OF COST ESTIMATE: Cost estimate developed during project design.

PROJECT TITLE: JOINT REGIONAL WATER SUPPLY SYSTEM

**CAPITAL PLAN
CLASSIFICATION:** SOURCE OF SUPPLY / STORAGE
(PROJECT #5)

LOCATION: JOINT TRANSMISSION MAIN – REACH 2

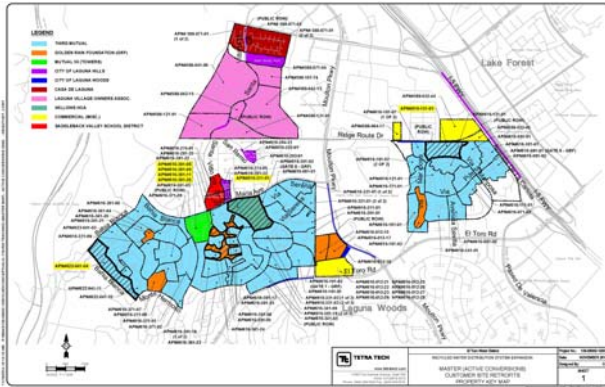
PROJECT BASIS: End of Useful Life; Reliability

DESCRIPTION: The El Toro Water District owns 2 cfs capacity in the Joint Regional Water Supply System operated by the South Coast Water District. The District's capital obligation associated with the Joint Regional Water Supply System and the Joint Transmission Main is based on capacity ownership in the specific reaches of the system. The primary projects driving the ETWD share of the JRWSS capital cost in the 2015/16 fiscal year are associated with Reach 2 of the Joint Transmission Main per the JRWSS capital budget.

PROJECT BUDGET: \$24,562

**BASIS OF
COST ESTIMATE:** JRWSS Budget

PROJECT TITLE: RECYCLED WATER RETROFITS



CAPITAL PLAN CLASSIFICATION:

RECYCLED WATER
(PROJECT #3/3a/3B)

LOCATION:

SYSTEM WIDE

PROJECT BASIS:

Water Supply Reliability

DESCRIPTION:

Construction of the Recycled Water Tertiary Treatment Plant and Distribution System is complete. The effort to convert over 200 dedicated irrigation meters to recycled water is currently underway. The estimated total project cost for the on-site conversion costs is \$3,000,000.

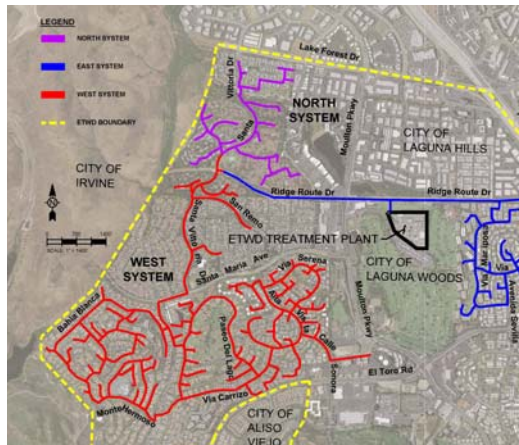
PROJECT BUDGET:

\$3,000,000 (funded by Restricted Reserves and MWD Rebates)

BASIS OF COST ESTIMATE:

Staff estimate

**PROJECT TITLE: RECYCLED WATER PHASE II
CONSULTANT FUNDING ASSISTANCE**



**CAPITAL PLAN
CLASSIFICATION:** RECYCLED WATER
(PROJECT #4)

LOCATION: SYSTEM WIDE

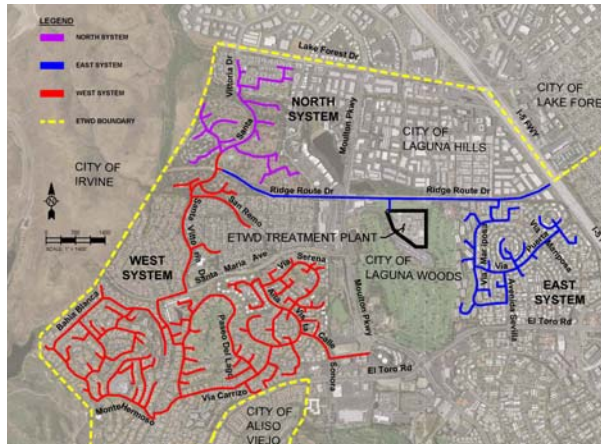
PROJECT BASIS: Water Supply Reliability

DESCRIPTION: It is anticipated that funding opportunities for the future expansion of the Recycled Water Distribution System may develop based on existing funding sources as well as possible funding decisions made to deal with the on-going drought conditions. The subject project will provide consulting assistance to help the District obtain funding for the Recycled Water Phase II project.

PROJECT BUDGET: \$100,000

**BASIS OF
COST ESTIMATE:** Staff estimate

PROJECT TITLE: ETWD / MNWD RECYCLED WATER MASTER PLAN



CAPITAL PLAN CLASSIFICATION:

RECYCLED WATER
(PROJECT #5)

LOCATION:

VARIOUS LOCATIONS

PROJECT BASIS:

Water Supply Reliability

DESCRIPTION:

The El Toro Water District, along with most of the other water purveyors in South Orange County, is continuing to seek new opportunities to enhance water supply reliability. There is a keen interest in evaluating regional projects that might enhance the supply of recycled water to the benefit of all concerned. Moulton Niguel Water District is planning to perform a Recycled Water Master Plan. The subject project will provide funding for the District's participation in the MNWD effort in order to identify potential mutually beneficial projects including recycled water seasonal storage and expansion of the District's recycled water distribution system.

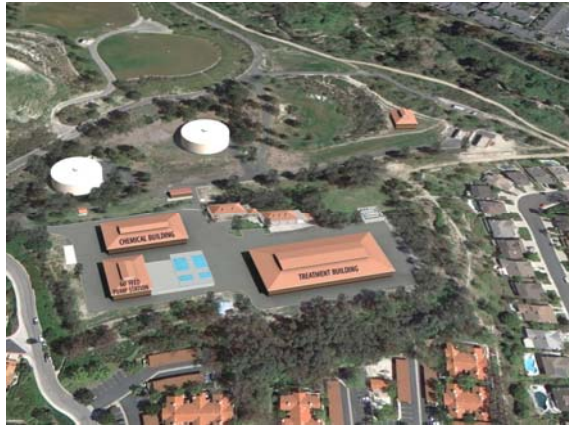
PROJECT BUDGET:

\$50,000

BASIS OF COST ESTIMATE:

Staff estimate.

PROJECT TITLE: BAKER PUMP STATION



**CAPITAL PLAN
CLASSIFICATION:** PUMPING WATER
 (PROJECT #7)

LOCATION: SECOND STREET / EL TORO ROAD, LAKE FOREST

PROJECT BASIS: Reliability

DESCRIPTION: After considering a number of alternatives it was determined the optimum conveyance system alternative for Baker Water Treatment Plant product water is an interconnection between the IRWD distribution system and the District's R-6 pressure zone. The District has previously entered into an Interconnection Agreement with IRWD in which Baker WTP product water will be conveyed through the IRWD distribution system to a new interconnection/pump station located in the R-6 pressure zone near the intersection of El Toro Road and 2nd Street in Lake Forest. The Interconnection will require ETWD design and construct improvements to the pump station as well as construction pipeline improvements within the ETWD system. Design of the project is underway. The 2015/16 budget will carry over and supplement the 2014/15 budget to complete both design and construction of the project.

PROJECT BUDGET: \$175,000 (2015/16 Additional Budget)
 \$775,390 (Carryover from 2014/15)
 \$950,390 (Total 2015/16 Budget)

**BASIS OF
COST ESTIMATE:** Staff Estimate based on consultant estimate.

PROJECT TITLE: OSO LIFT STATION IMPROVEMENT PROJECT



**CAPITAL PLAN
CLASSIFICATION:**

PUMPING - SEWER
(PROJECT #8)

LOCATION:

OSO LIFT STATION

PROJECT BASIS:

End of Useful Life; Protect Facilities; Reliability; Safety;
Energy Efficiency; Environmental Protection

DESCRIPTION:

The Oso Lift Station conveys raw wastewater from the western edge of the District's service area. The pumps are over 25 years old while the motors are over 30 years old. Both are worn out and inefficient. The current configuration utilizes an extended driveshaft between the motors on the upper level and the pumps on the lower level. The lower level is extremely small making maintenance of these pumps both difficult and hazardous. The safety of the maintenance of this facility will be significantly enhanced by the proposed project. The proposed project will replace the existing worn-out pumps with new submersible pumps. The project also contemplates the negotiation with the Moulton Niguel Water District for the addition of an emergency overflow connection to a nearby MNWD lift station to enhance reliability. The elimination of the extended driveshaft and the replacement of the aged pumps with new submersible pumps will make the Oso Lift Station consistent with other ETWD sewer pumping facilities. An engineering evaluation is currently underway. The 2015/16 budget will carry over and supplement the 2014/15 budget to complete both design and construction of the project.

PROJECT BUDGET:

\$200,000 (2015/16 Additional Budget)
\$656,000 (Carryover from 2014/15)
\$856,000 (Total 2015/16 Budget)

**BASIS OF
COST ESTIMATE:**

Staff Estimate.

PROJECT TITLE: SEWER STATIONS PLC UPGRADE TO CONTROL LOGIX



**CAPITAL PLAN
CLASSIFICATION:**

TREATMENT - SEWER
(PROJECT #9)

LOCATION:

VARIOUS LOCATIONS

PROJECT BASIS:

End of Useful Life; Reliability; Environmental Protection

DESCRIPTION:

The District's remote sewer facilities are controlled at the site by programmable logic controllers (PLC). The PLCs provide local control, communication to Central and are fully capable of controlling and operating the facility in the event of a communication failure. The existing PLCs are from the Allen Bradley PLC5 family of controllers. Allen Bradley has stopped manufacturing and supporting the PLC5s. The technology is over 20 years old and spare parts are no longer available. The latest Allen Bradley PLC technology is the Control Logix 6.1L which the District has migrated to at several sites. The systematic replacement of the PLC5s and migration to the Control Logix PLCs is an essential, critical element for the continued reliability and operation of all of the District water and sewer stations. The project budget has been carried over from the 2014/15 Capital Budget.

PROJECT BUDGET:

\$26,000 (Carryover from 2014/15 Capital Budget)

**BASIS OF
COST ESTIMATE:**

Staff Estimate based on similar previous projects.

PROJECT TITLE: TURBO BLOWER FOR THE AERATION SYSTEM



CAPITAL PLAN CLASSIFICATION:

TREATMENT - SEWER
(PROJECT #10)

LOCATION:

WATER RECYCLING PLANT

PROJECT BASIS:

Increase Life Expectancy of Process Equipment: Reliability of Facilities; Electrical Efficiency

DESCRIPTION:

This project will replace one of the three existing, inefficient 300 HP Centrifugal Aeration Basin Blowers with a new efficient high speed Turbo Blower. The new Turbo Blower would become the main work load blower, while the remaining two centrifugal blowers would serve as back-up equipment. A new Turbo Blower would provide the needed turn down at times when the demand for dissolved oxygen is lower. The existing blowers have only limited turn down capability without surging and tripping out. The new technology of the Turbo Blowers would provide power consumption savings at the WRP. This project is expected to qualify for an SCE incentive, the amount of which has yet to be determined. The scope of work for this project will include the purchase of a new Turbo Blower, the mechanical installation of the new blower, the repair of an air leak to the Blower Building's main discharge header, and the electrical installation of the new blower.

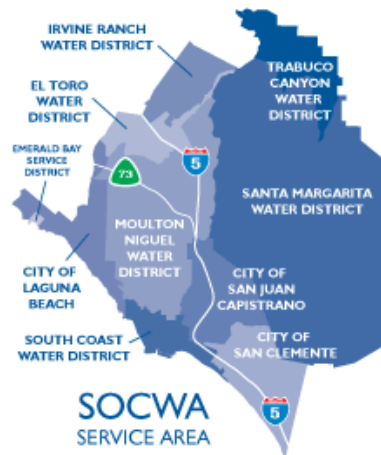
PROJECT BUDGET:

\$300,000

BASIS OF COST ESTIMATE:

Staff estimate based on previous quotes, similar previous work and verbal discussion with vendors, contractors and SCE.

PROJECT TITLE: SOCWA



**CAPITAL PLAN
CLASSIFICATION:**

OUTSIDE TREATMENT - SOCWA
(PROJECT #11)

LOCATION:

SOCWA

PROJECT BASIS:

End of Useful Life; Reliability; Environmental Protection;
Regulatory Compliance

DESCRIPTION:

The District contribution to support the South Orange County Wastewater Authority capital budget is based on capacity ownership in the various Project Committees. SOCWA collects funding to support the capital improvements on a cash flow basis. The funds collected are intended to support actual costs rather than project budgets. The primary project driving the ETWD share of the SOCWA capital cost in the 2015/16 fiscal year is the construction of the Cogeneration Engine replacement at the Regional Treatment Plant. The ETWD share of this project is nearly \$1.8 million. SOCWA will also be performing repairs to the Effluent Transmission Main for which the District share is \$212,500.

The 2015/16 budget will carry over and supplement the 2014/15 budget to fund the District's SOCWA capital obligations.

PROJECT BUDGET:

\$1,742,265 (2015/16 Additional Budget)
\$235,822 (Carryover from 2014/15)
\$1,978,087 (Total 2015/16 Budget)

**BASIS OF
COST ESTIMATE:**

SOCWA Budget

PROJECT TITLE: MAIN OFFICE DEMONSTRATION GARDEN (PHASE II & III)



**CAPITAL PLAN
CLASSIFICATION:**

GENERAL BUILDING
(PROJECT #15)

LOCATION:

MAIN ADMINISTRATION OFFICE

PROJECT BASIS:

End of Useful Life; Reliability; Environmental Protection

DESCRIPTION:

The District has been working with a landscape architect to develop a California Friendly and drought tolerant landscape. The project will rehabilitate the front landscaping on the east and west sides of the Main Office driveway entrance along the frontage turf area for the entire length of the property adjacent to Los Alisos Boulevard. In keeping with the District's objective to promote the efficient use of water in its service area the landscaping will be designed as a demonstration garden that will include colorful drought tolerant California friendly and native species. The project will also incorporate other features including boulders, dry creek bed concepts, mulch and synthetic turf. The irrigation system will include a weather based irrigation timer and water saving irrigation system.

The Project was designed and bid during the 2014/15 fiscal year. Unfortunately, only one bid was received and the bid amount was twice the landscape architects construction estimate. Staff plans to initiate a Value Engineering effort with the landscape architect and a landscape contractor to establish a project scope that will accomplish our objective at a reasonable and affordable cost.

District staff is working to obtain any available grant/rebate funding through MET, MWDOC and/or State/Federal programs for the project.

PROJECT BUDGET:

\$125,000 (2015/16 Additional Budget)
\$125,000 (Carryover from 2014/15)
\$250,000 (Total 2015/16 Budget)

**BASIS OF
COST ESTIMATE:**

Staff Estimate

PROJECT TITLE: VEHICLE REPLACEMENTS



**CAPITAL PLAN
CLASSIFICATION:**

**VEHICLES / VEHICLE EQUIPMENT
(EQUIPMENT #8)**

PROJECT BASIS:

End of Useful Life

DESCRIPTION:

The El Toro Water District fleet includes 50 vehicles ranging from small pickup trucks to large crew trucks and dump trucks. The District's Senior Mechanic does an excellent job preserving and extending the useful life of each vehicle to the maximum extent possible. As vehicles age and accumulate significant mileage they are replaced or rotated to less intensive duty to further extend their usefulness. The proposed budget contemplates the purchase of three new Ford pick-up trucks.

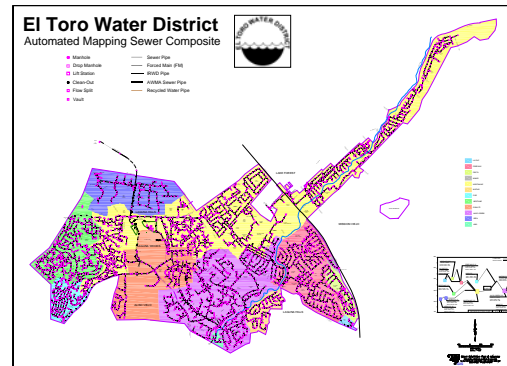
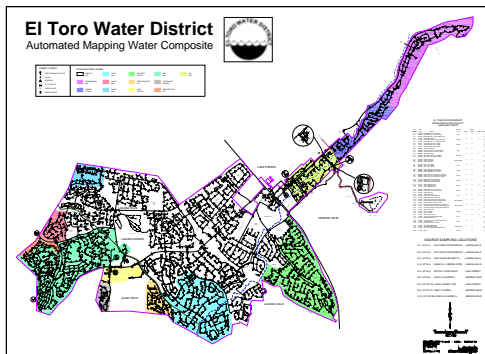
PROJECT BUDGET:

\$65,000

**BASIS OF
COST ESTIMATE:**

The cost estimate was developed by the ETWD Mechanic and is inclusive of vehicle purchase costs, tax and license fees as well as associated costs to outfit the vehicles for District service.

PROJECT TITLE: GIS / IMS



**CAPITAL PLAN
CLASSIFICATION:**

OFFICE EQUIPMENT / FURNITURE
(EQUIPMENT #15)

LOCATION:

MAIN OFFICE

PROJECT BASIS:

Operational Efficiency, Maintenance Efficiency

DESCRIPTION:

The proposed project continues the implementation phase of an integrated Geographical Information System (GIS) and Computer Maintenance/Asset Management System. The project contemplates the further development of certain applications.

As the District expands and improves its GIS, budget will be necessary to meet staff goals. Data updates, updated aerial photography, the yearly ESRI SUELA and the Spatial Wave ELA payments will all be necessary in the upcoming budget and well as additional workflow application development and additional hardware for the field personnel. Water Conservation Data from Eagle Aerial will be explored for relevance and usability as well as initial implementation stages of a full CMMS.

PROJECT BUDGET:

\$150,000

**BASIS OF
COST ESTIMATE:**

Staff Estimate
