EL TORO WATER DISTRICT BUDGET 2020/2021

District of Distinction" Serving the Public – Respecting the Environment

ETWD Demonstration Garden

EL TORO WATER DISTRICT BOARD OF DIRECTORS 2020-2021

MARK MONIN, PRESIDENT MIKE GASKINS, VICE-PRESIDENT JOSE F. VERGARA, DIRECTOR KATHRYN FRESHLEY, DIRECTOR KAY HAVENS, DIRECTOR

OFFICERS

DENNIS P. CAFFERTY, GENERAL MANAGER/DISTRICT ENGINEER

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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 2020-21

- 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 legally restricted reserves, board mandated reserves 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 2020-21

Revenue:

- POTABLE WATER SALES is based on the purchase of 7,000 acre-feet (af) of water and delivery of 6,700 af to customers.
- POTABLE WATER USAGE CHARGE to cover purchasing water from Metropolitan Water District through Municipal Water District of Orange County and from the Baker Water Treatment Plant will be increased effective September 1, 2020 and is supported by an independently prepared Cost of Service Study Report.
- POTABLE WATER SERVICE CHARGE (Water System Operations & Maintenance "O&M") will increase effective September 1, 2020 and is supported by an independently prepared Cost of Service Study Report.
- RECYCLED WATER SERVICE CHARGE (Recycled Water System Operations & Maintenance "O&M") will increase effective September 1, 2020 and is supported by an independently prepared Cost of Service Study Report.
- RECYCLED WATER USAGE CHARGE will be increased effective September 1, 2020 and is supported by an independently prepared Cost of Service Study Report.
- NON-RATE REVENUE reflects shared maintenance of joint facilities with neighboring agencies, communication site leases and other miscellaneous revenues.
- PROPERTY TAX REVENUE represents the District's share of the 1% general property taxes paid to the State.
- SEWER USAGE AND FIXED RATE the Sewer Usage and Fixed Rate will not be increased.
- INTEREST INCOME is expected to increase as a result of increase in the interest rate.
- CAPITAL REPLACEMENT & REFURBISHMENT WATER, SEWER & RECYCLED WATER CHARGES are designed to assist in covering the cost of water, sewer and recycled water capital R&R expenditures during the fiscal year. No changes to these charges for the 2020/21 fiscal year are contemplated.
- Rate increases will comply with all applicable state constitutional and statutory mandates.

BUDGET ASSUMPTIONS

FISCAL YEAR 2020-21

Expenses:

- PURCHASED WATER costs are affected by the anticipated increase in potable water sales along with increased rates charged by Metropolitan Water District of Southern California and Municipal Water District of Orange County and increased O&M costs associated with the District's capacity in the Baker Water Treatment Plant.
- ENERGY (electrical power) costs have been decreased based on expected system operations, capital improvements and analysis of actual Southern California Edison rates and charges.
- SOCWA OPERATIONS costs for regional bio-solids and effluent treatment and disposal have increased based on the adopted SOCWA 2020/21 budget.
- LABOR/BENEFITS COST are projected to increase slightly. The increase is driven by continued implementation of the District's Succession Plan, increases in medical premiums, the District's contributions to the employees 401(k) Retirement Savings Plan and administration of a Performance Based Merit Program. The proposed increases are partially offset by employee contributions to medical benefits.
- OPERATING COSTS exclusive of purchased water, interest, labor and depreciation have increased by approximately 3% compared to 2019/20.

BUDGET ASSUMPTIONS

FISCAL YEAR 2020-21

CAPITAL REPLACEMENT & REFURBISHMENT PROGRAM:

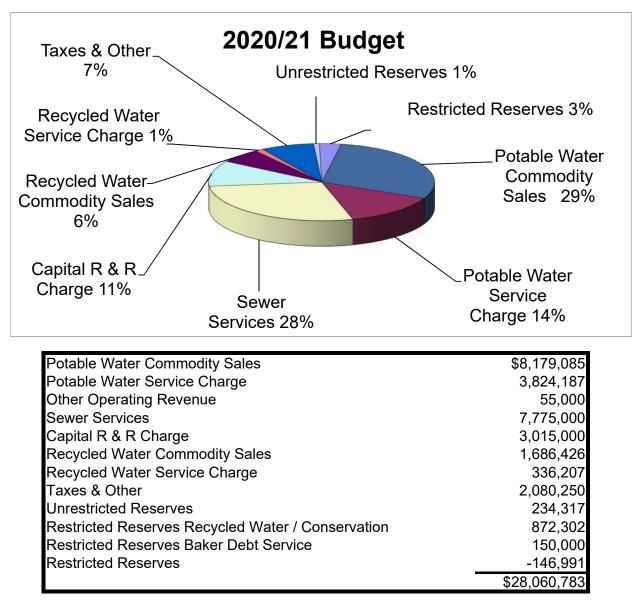
Five-Year Capital Replacement & Refurbishment Program

Staff continues to evaluate and update the on-going five-year Water, Sewer and Recycled 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. Water and Sewer CR&R expenditures for fiscal year 2020/21 total \$2,360,00. The 2020/21 CR&R costs will be funded by revenue generated by the CR&R charge. Revenue generated from the Recycled Water CR&R charge amounts to \$154,000. This revenue will be used to offset the cost of the Recycled Water program debt service.

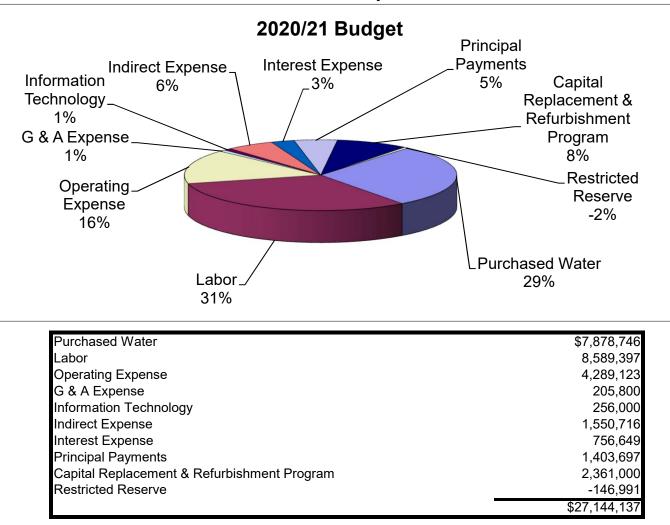
RESERVES:

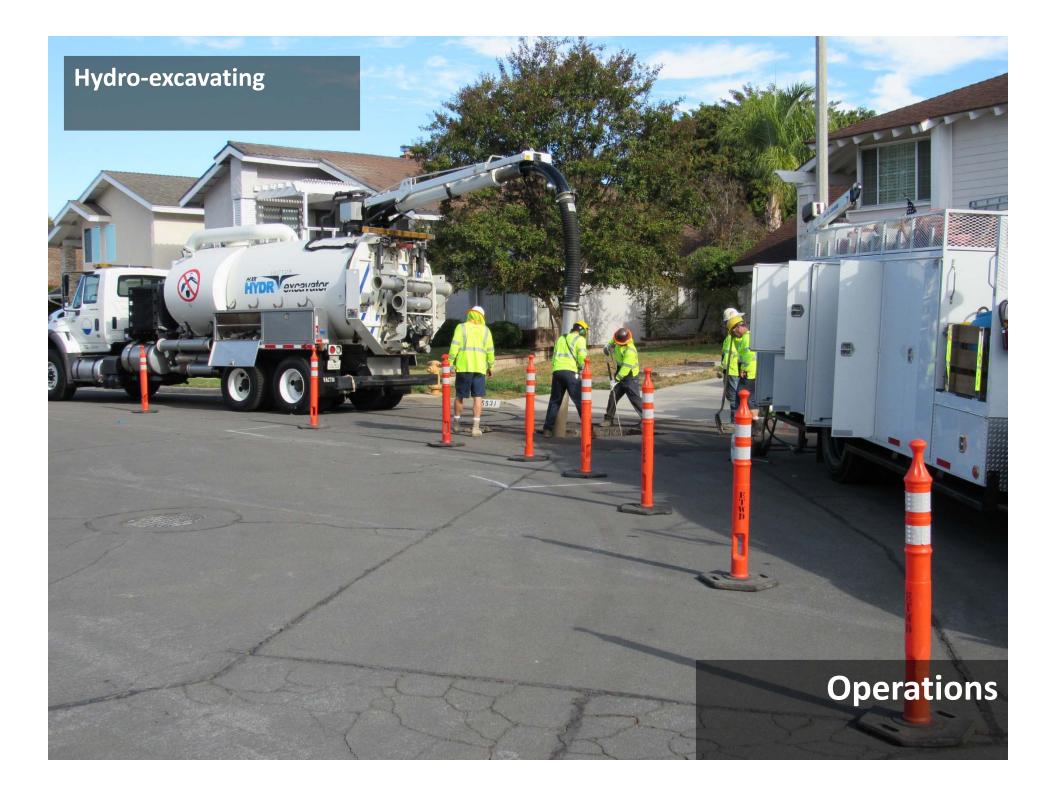
The District maintains three categories of reserves: (1) those legally required to be held as the result of contractual agreement (2) Board Mandated reserves (3) Board Restricted reserves. Board Mandated reserves include (1) Capital reserves, (2) rate stabilization reserves, (3) operating reserves and (4) working capital. The current minimum reserve level for Board Mandated reserves, established by Board policy, is \$8.5 million. In an effort to mitigate the magnitude of the necessary rate increase, The District's fiscal year 2020-21 Budget includes a provision to utilize reserves to fund a portion of the operating expense.

Where The Money Comes From



Where The Money Goes





EL TORO WATER DISTRICT **ORGANIZATION CHART 2020 - 2021**

	Positions	
Department		Department
Administrative Services		Operations
General Manager	1	Operations Superintendent
Human Resources Manager	1	Compliance Program Coordi
Public Relations / EP Admin	1	Total
Exec.Assistant to BOD & GM	1	
Office Assistant	1	Transmission & Distribution
	5	Foreman
	C C	Crew Chief
Information Systems		Maintenance Worker III
Information Technology Manager	1	Maintenance Worker II
Total	1	Maintenance Worker I
Total	I	Total
Accounting		
Manager Finance / Controller	1	
Accountant / Sr Accountant	2	<u>Pumping Crew</u>
Supervisor Accounting	1	Foreman
Total	4	Crew Chief
		Maintenance Worker III
Purchasing/Receiving		Maintenance Worker II
Purchasing Agent	1	Maintenance Worker I
Total	1	Total
Customer Service - Office		Treatment Plant
C.S / Billing Supervisor	1	Chief Plant Operator
C.S. Office Rep. II / Senior	2	Truck Driver
Billing Clerk	1	Waste Water Operator III
Total	4	Waste Water Operator II
Total	4	
Quatemar Service Field		Waste Water Operator I
Customer Service - Field	4	Lab Supervisor
Crew Chief	1	Lab Technician I
C.S. Field Rep. II	1	Total
C.S. Field Rep. I	1	
Total	3	
		Collections & Transmissio
<u>Engineering</u>		Industrial Waste Inspector
Principal Engineer	1	Crew Chief
Project Engineer	1	Coll. Maintenance Worker III
Engineer Associate	1	Coll. Maintenance Worker II
Inspector	1	Coll. Maintenance Worker I
Cross Connection Control Prog Supv	1	Total
Total	5	
		<u>Automotive</u>
Electrical		Senior Mechanic
Electrical Sys/SCADA Supv	1	Total
Electrical Systems / SCADA Technician III	1	
Total	2	
, etai	-	Total Positions

Positions

1

npliance Program Coordinator	1
Total	2
nsmission & Distribution Crev	v
eman	<u> </u>
w Chief	2
ntenance Worker III	0
ntenance Worker II	3
ntenance Worker I	3
Total	9
nping Crew	
eman	1
w Chief	2
ntenance Worker III	3
ntenance Worker II	1
ntenance Worker I	1
Total	8
atment Plant	
ef Plant Operator	1
ck Driver	2
ste Water Operator III	3
ste Water Operator II	1
ste Water Operator I	1
Supervisor	1
Technician I	1
Total	10
lections & Transmissions	
strial Waste Inspector	1
w Chief	1
. Maintenance Worker III	1
. Maintenance Worker II	0
. Maintenance Worker I	2
Total	5
omotive	
ior Mechanic	1
Total	1
Total Positions	<u>60</u>

BUDGET COMPARISON - Income Statement

C C C C C C C C C C C C C C C C C C C	Budget 2018/19	Budget 2019/20	Budget 2020/21
Operating Revenue			
Water	\$12,835,373	\$13,032,945	\$12,783,583
Sewer	7,800,000	7,775,000	7,775,000
Capital Facilities Charge	3,015,000	3,014,656	3,015,000
Tertiary	1,920,000	2,005,133	2,000,054
Total Operating Revenue	25,570,373	25,827,734	25,573,637
Operating Expense			
General Operating Expense	9,018,483	9,281,786	9,414,295
Water Enterprise Operating Expense	8,976,271	9,045,392	8,886,502
Sewer Enterprise Operating Expense	2,349,926	2,377,623	2,370,769
Recycled Water Operating Expense	256,950	302,400	291,500
Total Operating Expense	20,601,630	21,007,201	20,963,066
Operating Income	4,968,743	4,820,533	4,610,571
Non Operating Revenue	1,692,750	1,820,440	2,080,250
Interest Expense	(769,061)	(731,557)	(756,649)
Information Technology	(262,500)	(299,000)	(256,000)
Indirect Expense	(1,468,100)	(1,390,020)	(1,550,716)
Depreciation & Amortization	(4,306,850)	(4,476,850)	(4,906,850)
Total Non Operating	(5,113,761)	(5,076,987)	(5,389,965)
Excess of Operating Revenues and Cash Flows Over Expense	\$ (145,018)	\$ (256,454)	\$ (779,394)
Capital Improvement Program Expenditures	(2,384,000)	(2,367,656)	(2,361,000)
Depreciation & Amortization (Non-Cash)	4,306,850	4,476,850	4,906,850
Debt Service Principle Payments	(1,776,305)	(2,224,072)	(1,403,699)
Restricted Reserves used for Baker Debt Service	100,000	(2,224,072)	(1,403,099)
Restricted Reserves	(582,151)	(183,853)	146,991
Total Deficit	(480,624)	(455,185)	659,748

BUDGET COMPARISON - General Operations Expenses

	Budget 2018/19	Budget 2019/20	Budget 2020/21
General Operations Expense			
Labor	\$8,287,837	\$8,546,083	\$8,589,397
Operations Support	232,911	256,466	332,913
Vehicle Maintenance	237,885	271,337	286,185
General & Administrative	259,850	207,900	205,800
Total General Operations Expense	\$9,018,483	\$9,281,786	\$9,414,295

BUDGET COMPARISON - Information Technology Expenses

	Budget 2018/19	Budget 2019/20	Budget 2020/21
General Operations Expense			
Data Processing Supply & Accessories	\$36,500	\$23,000	\$25,000
Data Processing Equipment	40,000	36,000	30,000
Data Processing Consultants	25,000	75,000	40,000
Software Maintenance & Licenses	161,000	165,000	161,000
Total General Operations Expense	\$262,500	\$299,000	\$256,000

EL TORO WATER DISTRICT LABOR / BENEFITS COMPARISON

	Budget 2018/19	Budget 2019/20	Budget 2020/21	Change
Labor	\$5,893,903	\$6,171,106	\$6,185,467	\$14,361
Benefits	2,233,934	2,239,977	2,262,180	22,203
Workers Compensation and Unemployment Ins.	160,000	135,000	141,750	6,750
Total Labor	\$8,287,837	\$8,546,083	\$8,589,397	\$43,314
Benefits as % of Labor	26.95%	26.21%	26.34%	

BUDGET COMPARISON - Adminstration

	Budget 2018/19	Budget 2019/20	Budget 2020/21
Electricity	\$39,900	\$40,200	\$38,400
Repair Parts and Materials	1,000	1,000	1,000
Equipment Maintenance and Repair	500	2,500	500
Structure Maintenance and Repair	10,000	10,000	10,000
Consultants	100,000	45,000	45,000
Contractors	56,200	56,200	56,200
Equipment Rental	12,000	12,700	12,700
Operating Supplies	3,500	3,500	3,500
Temporary Help	7,500	7,500	7,500
Other Employee Costs	22,000	22,300	24,000
Employee and Training	7,250	7,000	7,000
Total General & Administrative	\$259,850	\$207,900	\$205,800

BUDGET COMPARISON - Indirect Expenses

·	Budget 2018/19	Budget 2019/20	Budget 2020/21
Insurance and Damages	\$470,650	\$535,000	\$285,631
Retiree Medical Insurance	0	0	294,645
Advertising and Publicity	2,500	2,000	2,000
Annual Events	5,350	6,000	6,000
Auditing Fee	30,000	30,000	25,700
Bad Debts	20,000	20,000	20,000
Bank and Paycheck Services	56,500	57,000	63,000
Director's Fees	105,000	110,000	120,000
Dues and Memberships	82,000	93,390	87,340
Elections/Other	30,000	0	35,000
Employee Service Awards	5,800	3,800	4,100
Janitorial	33,800	33,800	37,600
Legal Fees	150,000	100,000	107,300
Meetings and Conventions - Administration	39,000	39,000	39,000
Meetings and Conventions - Directors	28,000	29,690	42,500
Office Supplies	23,000	19,800	19,800
Postage	20,500	20,500	20,500
Printing and Reproduction	21,000	18,000	18,600
Property Taxes	5,500	5,500	8,600
Public Relations	223,200	150,000	184,700
Publications and Subscriptions	3,000	3,000	3,000
Voice and Data Communications	102,000	105,540	115,000
Utilities	11,300	8,000	10,700
Total Indirect Expenses	\$1,468,100	\$1,390,020	\$1,550,716
Depreciation and Amortization	\$4,306,850	\$4,476,850	\$4,906,850

BUDGET COMPARISON - Water Enterprise Operating Expenses

	Budget 2018/19	Budget 2019/20	Budget 2020/21
Water Enterprise Operations Expense			
Source of Supply	\$134,999	\$151,504	\$145,245
Purchased Water	8,027,968	8,041,949	7,878,746
Pumping Expense	247,971	256,281	263,623
Treatment Expense	49,641	40,851	35,341
Trans. & Dist. Expense	515,692	554,807	563,547
Customer Accounts Expense	0	0	0
Total Water Enterprise Operations Expense	\$8,976,271	\$9,045,392	\$8,886,502

BUDGET COMPARISON - Sewer Enterprise Operating Expenses

	Budget 2018/19	Budget 2019/20	Budget 2020/21
Sewer Enterprise Operations Expense			
SOCWA	\$906,250	\$900,000	\$950,000
Pumping Expense	369,848	335,724	305,835
Treatment Expense	789,578	862,449	920,459
Trans. & Dist. Expense	284,250	279,450	194,475
Total Sewer Enterprise Operations Expense	\$2,349,926	\$2,377,623	\$2,370,769

BUDGET COMPARISON - Recycled Water Operating Expenses

	Budget 2018/19	Budget 2019/20	Budget 2020/21
Recycled Water Operations Expense			
Tertiary Treatment Expense	\$256,950	\$296,400	\$285,500
Trans. & Dist. Expense	0	6,000	6,000
Total Recycled Water Operations Expense	\$256,950	\$302,400	\$291,500

BUDGET COMPARISON - Non-Operating Income & Expense

	Budget 2018/19	Budget 2019/20	Budget 2020/21
Tax Revenue	\$875,000	\$925,000	\$1,053,500
Interest Income	135,000	200,000	350,000
Other Revenue	682,750	695,440	676,750
Total Non-Operating Revenue	\$1,692,750	\$1,820,440	\$2,080,250
Interest Expense	\$769,061	\$731,557	\$756,649
Total Non-Operating Expense	\$769,061	\$731,557	\$756,649



EL TORO WATER DISTRICT FIVE YEAR CAPITAL IMPROVEMENT PLAN F.Y. 2020/21 - 2024/25

ITEM #	DESCRIPTION	2020/21	2021/22	2022/23	2023/24	2024/25	TOTAL	WATER	SEWER
	Source of Supply / Storage Projects								
1	R-2 Reservoir Interior Recoating (E/C)	262,500					262,500	262,500	
2	R-2 Reservoir Exterior Recoating (E/C)	80,000					80,000	80,000	
3	JRWSS Capital Budget	48,174	1,287	2,202	60,507	7,287	119,457	119,457	
3	JRWSS Capital Budget Carry Over	(30,000)					(30,000)	(30,000)	
4	Baker WTP Replacement Fund	52,795	52,795	52,795	52,795	52,795	263,975	263,975	
5	R-6 Chlorine & Ammonia Chemical Feed Pump Replacement				110,000		110,000	110,000	
	Total Source of Supply / Storage Projects	413,469	54,082	54,997	223,302	60,082	805,932	805,932	0
	Pumping (Water) Projects								
1	Water Stations PLC Upgrade to Control Logix		25,000	25,000	25,000		75,000	75,000	
	Total Pumping (Water) Projects	0	25,000	25,000	25,000	0	75,000	75,000	0
	Pumping (Water) Equipment								
1	Cherry Booster Station Pump Replacement				100,000		100,000	100,000	
2	Shenandoah Booster Station Pump Replacement				100,000		100,000	100,000	
3	P-4 Pump Replacement Project			43,500			43,500	43,500	
	Total Pumping (Water) Equipment	0	0	43,500	200,000	0	243,500	243,500	0
	Pumping (Sanitation) Projects								
1	Sewer Stations PLC Upgrade to Control Logix		25,000	25,000	25,000		75,000		75,000
2	4920 Siphon Stabilization	150,000					150,000		150,000
	Total Pumping (Sanitation) Projects	150,000	25,000	25,000	25,000	0	225,000	0	225,000
	Pumping (Sanitation) Equipment								
1	Aliso Creek Emergency Generator 350 KW (Unit 215)		200,000				200,000		200.000
2	La Paz MCC and PLC Upgrade	140,000	200,000				200,000 140,000		140,000
-	Total Pumping (Sanitation) Equipment	140,000	200.000	0	0	0	340.000	0	340,000
	Town Tumping (Summuon) Equipment	110,000	200,000	0	Ū	v	0 10,000	0	210,000
	Treatment (Sanitation) Projects								
1	WRP Main Electrical Power Breaker Upgrade	80,000					80,000		80,000
2	Secondary Clarifier # 1 Component Replacement		150,000				150,000		150,000
3	Secondary Clarifier # 4 Component Replacement				150,000		150,000		150,000
4	New MCC S-D Electrical Cabinet & Breakers (DAF Unit #1)	30,000					30,000		30,000
5	HACH (WIMS)	42,500					42,500		42,500
6	DAF Unit #2 Rehabilitation Project		135,000				135,000		135,000
7	HACH (WIMS) Maint. Job Cal Database Management Software System			12,500			12,500		12,500
	Total Treatment (Sanitation) Projects	152,500	285,000	12,500	150,000	0	600,000	0	600,000

EL TORO WATER DISTRICT FIVE YEAR CAPITAL IMPROVEMENT PLAN F.Y. 2020/21 - 2024/25

ITEM #	DESCRIPTION	2020/21	2021/22	2022/23	2023/24	2024/25	TOTAL	WATER	SEWER
	<u>Treatment (Sanitation) Equipment</u>								
1	Aeration Basin Diffusers	170,000					170,000		170,000
2	Rotostrainer Drum Replacement	30,000					30,000		30,000
3	Effluent Pump Station Pump Replacements	100,000					100,000		100,000
	Total Treatment (Sanitation) Equipment	300,000	0	0	0	0	300,000	0	300,000
	Laboratory Equipment								
1	Ion Chromatography		45,000				45,000	22,500	22,500
	Total Laboratory Equipment	0	45,000	0	0	0	45,000	22,500	22,500
	Outside Treatment (SOCWA)						_		
1	SOCWA Capital Budget	1,296,413	717,084	313,000	875,000	4,269,000	7,470,497		7,470,497
1	SOCWA Reserve Funding	(288,413)				(1,311,587)	(1,600,000)		(1,600,000)
	Total Treatment (SOCWA)	1,008,000	717,084	313,000	875,000	2,957,413	5,870,497	0	5,870,497
	Transmission & Distribution Projects								
1	AMI Implementation		200,000	200,000	200,000		600,000	600,000	
	Total Transmission & Distribution (Water) Projects	0	200,000	200,000	200,000	0	600,000	600,000	
	Collection Equipment								
1	P332 Flexiprobe (Push Camera) Inspection System - PearPoint		20,000	10.000			20,000		20,000
2	P350 Flexiprobe (Mobile-Portable Camera) Inspection System - PearPoint			40,000			40,000		40,000
	Total Collection Equipment	0	20,000	40,000	0	0	60,000	0	60,000
	XII LANDI LA PARTICIA								
1	<u>Vehicles/Vehicle Equipment</u>		100.000	75,000	75 000		250,000	125,000	125,000
	Vehicle Replacement Hydro Excavator		100,000	75,000 480,000	75,000		250,000 480,000	125,000 480,000	125,000
3	Warehouse Forklift		50,000	480,000			480,000 50,000	480,000 25,000	25,000
4	F-550 w/ Valve Maintenance Skid		50,000		150,000		150,000	25,000 150,000	25,000
5	Vactor 2100 Combo Machine (Replace Unit 80)			500,000	130,000		500,000	130,000	500,000
6	Boom Truck (Diesel - Regulatory Compliance)			200,000			200,000	100,000	100,000
7	Forklift WRP (Diesel - Regulatory Compliance)		85,000	200,000			200,000 85,000	42,500	42,500
8	10-Wheel Dump Truck (Unit #50, Regulatory Compliance)		03,000	175,000			175,000	42,500 87,500	42,500
9	Zieman Trailer		36,000	175,000			36,000	18,000	18,000
	Replace Pony Pump and Motor on Sludge Tanker		35,000				35,000	10,000	35,000
10	Total Vehicles / Vehicle Equipment	0	306,000	1,430,000	225,000	0	1,961,000	1.028.000	933,000
	Total venicles / Venicle Equipment	0	500,000	1,450,000	223,000	0	1,201,000	1,020,000	955,000

EL TORO WATER DISTRICT FIVE YEAR CAPITAL IMPROVEMENT PLAN F.Y. 2020/21 - 2024/25

1 Backhoe 150,000 75,000 <th>ITEM #</th> <th></th> <th>2020/21</th> <th>2021/22</th> <th>2022/23</th> <th>2023/24</th> <th>2024/25</th> <th>TOTAL</th> <th>WATER</th> <th>SEWER</th>	ITEM #		2020/21	2021/22	2022/23	2023/24	2024/25	TOTAL	WATER	SEWER
Total Construction Equipment 0 150,000 0 0 150,000 75,000 75,000 1 Main Office Field Office IVAC Replacement & Improvement Project 240,000 120,000 78,00 78,00 0 0 0 0 0 0 0 0 162,50 150,00		Construction/Mechanical/Electical Equipment						_		
General Building Projects 240,000 220,000 120,000 6,000 5,000 32,500 16,250 16	1	Backhoe		,				,	75,000	75,000
1 Main Office / Field Office IVAC Replacement & Improvement Project 240,000 120,000 160,000 600 600 600 600 50,000 120,000 155,000 155,000 155,000 155,000 155,000 155,000 155,000 155,000 155,000 155,000 150,000 160,000 160,000 160,000 160,000 160,000 160,000 160,000 160,000 160,000 16		Total Construction Equipment	0	150,000	0	0	0	150,000	75,000	75,000
1 Main Office / Field Office IVAC Replacement & Improvement Project 240,000 120,000 160,000 600 600 600 600 50,000 120,000 155,000 155,000 155,000 155,000 155,000 155,000 155,000 155,000 155,000 155,000 150,000 160,000 160,000 160,000 160,000 160,000 160,000 160,000 160,000 160,000 16		General Building Projects								
1 HVAC Carryover Funding (82,500) (82,500) (82,500) (41,550) (14,550) (15,550) (15,550) (15,550) (15,550) (15,550) (15,550) (15,550) (15,550) (15,560) (15,500)	1		240,000					240,000	120,000	120,000
Total General Building Projects 157,500 0 0 0 0 157,500 78,750 78,750 Office Equipment/Furniture 32,500 32,500 32,500 16,250 115,000 7,500 7,500 7,500 7,500 7,500 7,500 7,500 7,500 7,500 7,500 7,500 1,500 116,250 142,283 142,283 142,283 142,283 142,283 142,283 142,283	1	HVAC Carryover Funding	(82,500)						(41,250)	(41,250)
1 SCADA Server Upgrade WRP 32,500 32,500 16,250 16,250 16,250 2 Replace Risch 3035 Printers Field Admin, Warehouse & WRP 12,000 50,000 30,000 50,000 50,000 3 Replace Risch Replacement of (3) IIP 220 Network Switches 50,000 30,000 15,000 15,000 95,000 6 Replace Admin Color Kich Roh Sol Multipurpose Machine 15,000 7,000 0 0 146,500 48,250 98,255 7,000 7,000 0 0 146,500 48,250 98,255 Cantingency Total Office Equipment / Furniture 44,500 55,000 37,000 0 0 146,500 106,500 106,500 1 Contingency 34,031 241,834 124,003 424,698 0 824,566 412,283 412,283 1 Contingency 34,031 307,834 219,000 2,400,000 2,400,000 2,400,000 3,017,495 13,876 518,783 1 Total Capital Budget 2,400,000 2,400,000 2,400,000 3,017,495 3,852,715 9,121,785 <			× / /	0	0	0	0	157,500	× / /	78,750
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3 Replacement of (3) HP 2920 Network Switches 50,000 50,000 50,000 50,000 4 Network Switch Replacement 30,000 30,000 75,073 75,015			,							6,000
4 Network Switch Replacement 30,000 15,000 7,500 7,500 5 Replace Admin Color Ricch 6501 Multipurpose Machine 15,000 7,500 7,500 3,5000 30,000 0 0 15,000 7,500 3,500 30,000 3,5000 30,000 0 0 3,500		•	,	50.000				· · · · ·		50,000
5 Replace Admin Color Ricoh 6501 Multipurpose Machine 15,000 7,000 7,000 7,000 3,500 3,	-				30,000				15,000	15,000
6 Replace Board Room Projector 7,000 7,000 3,500 3,500 Contingency Total Office Equipment / Furniture 44,500 65,000 37,000 0 0 146,500 48,250 98,25 Contingency 34,031 241,834 124,003 424,698 0 824,566 412,283 412,283 412,283 2 Inflation @ 5% 0 66,000 95,000 52,000 0 213,000 106,500 106,500 2 Inflation @ 5% 0 66,000 95,000 2,400,000 2,400,000 2,400,000 3,017,495 12,617,495 3,495,715 9,121,788 1 Cotal Capital Budget 2,400,000 2,400,000 2,400,000 2,400,000 3,017,495 8,852,712 1,819,074 7,033,639 WATER 500,727 356,041 334,748 567,477 60,082 1,819,074 7,033,639 WATER 501,516 939,917 1,660,002 663,349 0 3,766,642 2,085,14	5	*		15.000				· · · · ·		7,500
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2 Inflation @ 5% 0 66,000 95,000 52,000 0 213,000 106,500 106,500 Total Contingency 34,031 307,834 219,003 476,698 0 1,037,566 518,783 518,783 Total Capital Budget 2,400,000 2,400,000 2,400,000 2,400,000 3,017,495 12,617,495 3,495,715 9,121,78 Total Capital Projects 1,898,485 1,460,083 739,999 1,736,651 3,017,495 8,852,712 1,819,074 7,033,633 WATER 500,727 356,041 334,748 567,477 60,082 1,819,074 7,033,633 Total Capital Equipment 501,516 939,917 1,660,002 663,349 0 3,764,783 1,676,642 2,088,14 WATER 30,758 342,459 821,751 506,675 0 1,701,642 2,003,142 WATER 30,758 342,459 838,251 156,675 0 2,017,495 3,495,715 9,121,78 WATER 30,758			,	,	,			, , , , , , , , , , , , , , , , , , ,		
2 Inflation @ 5% 0 66,000 95,000 52,000 0 213,000 106,500 106,500 Total Contingency 34,031 307,834 219,003 476,698 0 1,037,566 518,783 518,783 Total Capital Budget 2,400,000 2,400,000 2,400,000 2,400,000 3,017,495 12,617,495 3,495,715 9,121,78 Total Capital Projects 1,898,485 1,460,083 739,999 1,736,651 3,017,495 8,852,712 1,819,074 7,033,633 WATER 500,727 356,041 334,748 567,477 60,082 1,819,074 7,033,633 Total Capital Equipment 501,516 939,917 1,660,002 663,349 0 3,764,783 1,676,642 2,088,14 WATER 30,758 342,459 821,751 506,675 0 1,701,642 2,003,142 WATER 30,758 342,459 838,251 156,675 0 2,017,495 3,495,715 9,121,78 WATER 30,758	1		34,031	241,834	124,003	424,698	0	824,566	412,283	412,283
Total Capital Budget 2,400,000 2,400,000 2,400,000 2,400,000 3,017,495 12,617,495 3,495,715 9,121,78 Total Capital Projects 1,898,485 1,460,083 739,999 1,736,651 3,017,495 8,852,712 1,819,074 7,033,639 WATER 500,727 356,041 334,748 567,477 60,082 1,819,074 7,033,639 Total Capital Equipment 501,516 939,917 1,660,002 663,349 0 3,764,783 1,676,642 2,088,14 WATER 30,758 342,459 821,751 506,675 0 1,701,642 2,088,14 WATER 30,758 342,459 821,751 506,675 0 1,701,642 2,088,14 WATER 30,758 342,459 838,251 156,675 0 1,701,642 2,063,142 Total Capital Budget 2,400,000 2,400,000 2,400,000 3,017,495 12,617,495 3,495,715 9,121,78 WATER 531,485 698,499 1,156,499 1,074,151<	2			66,000	95,000		0	213,000	106,500	106,500
Total Capital Projects 1,898,485 1,460,083 739,999 1,736,651 3,017,495 8,852,712 1,819,074 7,033,633 WATER 500,727 356,041 334,748 567,477 60,082 1,819,074 7,033,633 SEWER 1,397,758 1,104,043 405,251 1,169,175 2,957,413 7,033,639 Total Capital Equipment 501,516 939,917 1,660,002 663,349 0 3,764,783 1,676,642 2,088,14 WATER 30,758 342,459 821,751 506,675 0 1,701,642 2,088,14 WATER 2,400,000 2,400,000 2,400,000 3,017,495 12,617,495 3,495,715 9,121,78 WATER 531,485 698,499 1,156,499 1,074,151 60,082 3,520,715 9,121,78		Total Contingency	34,031	307,834	219,003	476,698	0	1,037,566	518,783	518,783
Total Capital Projects 1,898,485 1,460,083 739,999 1,736,651 3,017,495 8,852,712 1,819,074 7,033,633 WATER 500,727 356,041 334,748 567,477 60,082 1,819,074 7,033,633 SEWER 1,397,758 1,104,043 405,251 1,169,175 2,957,413 7,033,639 Total Capital Equipment 501,516 939,917 1,660,002 663,349 0 3,764,783 1,676,642 2,088,14 WATER 30,758 342,459 821,751 506,675 0 1,701,642 2,088,14 WATER 2,400,000 2,400,000 2,400,000 3,017,495 12,617,495 3,495,715 9,121,78 WATER 531,485 698,499 1,156,499 1,074,151 60,082 3,520,715 9,121,78										
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WATER 500,727 356,041 334,748 567,477 60,082 1,819,074 SEWER 1,397,758 1,104,043 405,251 1,169,175 2,957,413 7,033,639 Total Capital Equipment 501,516 939,917 1,660,002 663,349 0 3,764,783 1,676,642 2,088,14 WATER 30,758 342,459 821,751 506,675 0 1,701,642 SEWER 470,758 597,459 838,251 156,675 0 2,063,142 Total Capital Budget 2,400,000 2,400,000 2,400,000 3,017,495 12,617,495 3,495,715 9,121,784 WATER 531,485 698,499 1,156,499 1,074,151 60,082 3,520,715 9,121,784										
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SEWER 1,397,758 1,104,043 405,251 1,169,175 2,957,413 7,033,639 Total Capital Equipment 501,516 939,917 1,660,002 663,349 0 3,764,783 1,676,642 2,088,14 WATER 30,758 342,459 821,751 506,675 0 1,701,642 2,088,142 WATER 30,758 342,459 821,751 506,675 0 1,701,642 2,088,142 Total Capital Budget 2,400,000 2,400,000 2,400,000 3,017,495 12,617,495 3,495,715 9,121,78 WATER 531,485 698,499 1,156,499 1,074,151 60,082 3,520,715		WATER	500 727	356 041	334 748	567 477	60 082	1 819 074		
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WATER 30,758 342,459 821,751 506,675 0 1,701,642 SEWER 470,758 597,459 838,251 156,675 0 2,063,142 Total Capital Budget 2,400,000 2,400,000 2,400,000 2,400,000 3,017,495 12,617,495 3,495,715 9,121,78 WATER 531,485 698,499 1,156,499 1,074,151 60,082 3,520,715		52 (rEA	1,027,700	1,10 1,0 10	100,201	1,10,,175	2,957,110	1,000,000		
SEWER 470,758 597,459 838,251 156,675 0 2,063,142 Total Capital Budget 2,400,000 2,400,000 2,400,000 2,400,000 3,017,495 12,617,495 3,495,715 9,121,784 WATER 531,485 698,499 1,156,499 1,074,151 60,082 3,520,715		Total Capital Equipment	501,516	939,917	1,660,002	663,349	0	3,764,783	1,676,642	2,088,142
SEWER 470,758 597,459 838,251 156,675 0 2,063,142 Total Capital Budget 2,400,000 2,400,000 2,400,000 2,400,000 3,017,495 12,617,495 3,495,715 9,121,784 WATER 531,485 698,499 1,156,499 1,074,151 60,082 3,520,715		WATEP	30 758	312 159	821 751	506 675	0	1 701 642		
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WATER 531,485 698,499 1,156,499 1,074,151 60,082 3,520,715		5E WER	710,130	571,757	050,251	150,075	U	2,003,142		
		Total Capital Budget	2,400,000	2,400,000	2,400,000	2,400,000	3,017,495	12,617,495	3,495,715	9,121,780
		WATER	531.485	698.499	1,156.499	1.074.151	60.082	3.520.715		
		SEWER	1,868,516	1,701,501	1,243,502	1,325,849	2,957,413	9,096,780		



Water Recycling Plant

Aeration Basins

2020/21 CAPITAL REPLACEMENT & REFURBISHMENT PROGRAM

<u>Projects</u>

<u>Equipment</u>

Source of Supply / Storage Projects		Pumping (Sanitation) Equipment
R-2 Reservoir Interior Recoating (E/C)	262,500	1 La Paz MCC and PLC Upgrade - Engineering
R-2 Reservoir Exterior Recoating (E/C)	80,000	Total Pumping (Sanitation)
JRWSS Capital Budget	48,174	
JRWSS Capital Budget Carry Over	(30,000)	Treatment (Sanitation) Equipment
Baker WTP Replacement Fund	52,795	2 Aeration Basin No. 1 Diffusers
Total Source of Supply	413,469	3 Rotostrainer Drum Replacement
		4 Effluent Pump Station Pump Replacement
Pumping (Sanitation) Projects		Total Treatment (Sanitation)
4920 Siphon Stabilization	150,000	
Total Pumping (Sanitation)	150,000	Office Equipment/Furniture
		5 SCADA Server Upgrade WRP
Treatment (Sanitation) Projects		6 Replace Ricoh 3035 Printers - FAO, Warehouse & WRP
WRP Main Electrical Power Breaker Upgrade	80,000	Total Consruction Equipment
New MCC S-D Electrical Cabiner & Breakers (DAF Unit #1)	30,000	
HACH WIMS	42,500	<u>Contingency</u>
Total Treatment (Sanitation)	152,500	7 Contingency
		Total Contingency
Outside Treatment (SOCWA)		
SOCWA Capital Budget	1,296,413	
SOCWA Reserve Funding	(288,413)	Total Capital Equipment
Total Treatment (SOCWA)	1,008,000	-
Coursel Duilding Duringto		
<u>General Building Projects</u> Main Office / Field Office HVAC Replacement & Improvement Project	240,000	Total Capital Projects
0 HVAC Carryover Funding	(82,500)	· · · · · · · · · · · · · · · · · · ·
Total General Building	157,500	Total Capital Equipment
		Total Operated Developed
<u>Contingency</u>		Total Capital Budget
1 Contingency	17,016	
Total Contingency	17,016	
Total Capital Projects	\$1,898,485	

LEGEND
WATER
SEWER
BOTH

140,000 140,000

170,000 30,000 100,000 300,000

> 32,500 12,000 44,500

17,016

17,016

\$50<u>1,5</u>16

1,898,485 501,516 2,400,000



Oso Lift Station

In SIDE

PROJECT TITLE: R-2 RESERVOIR INTERIOR AND EXTERIOR RECOATING



CAPITAL PLANSOURCE OF SUPPLY / STORAGE PROJECTSCLASSIFICATION:(PROJECTS #1 & #2)

PROJECT BASIS: Reliability, Storage

DESCRIPTION:

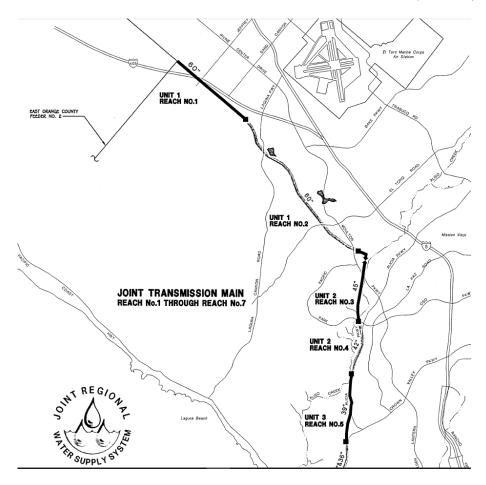
As part of the normal maintenance schedule, the R-2 reservoir received exterior and interior inspection for service coatings and liners. Previous inspections occurred in 2015 and 2017. The results of the prior inspections noticed some corrosion but recommended to monitor these localized nodules. The 2019 inspection report concluded that the corrosion inside the tank, while occurring in localized spots, had reached the point of needing to be recoated.

The report further recommended to replace the existing steel ladder with fiberglass, and other minor components. This project will include both interior and exterior recoating.

PROJECT BUDGET: \$342,500

BASIS OF	
COST ESTIMATE:	Vendor Quotes

PROJECT TITLE: JOINT REGIONAL WATER SUPPLY SYSTEM (JRWSS)



CAPITAL PLANSOURCE OF SUPPLY / STORAGE PROJECTSCLASSIFICATION:(PROJECT #3)

PROJECT BASIS: 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 are associated with Reach 1 of the Joint Transmission Main per the JRWSS capital budget.

PROJECT BUDGET: \$48,174 (\$30,000 carryover)

BASIS OFCOST ESTIMATE:JRWSS Budget provided by South Coast Water District

PROJECT TITLE: BAKER WTP REPLACEMENT FUND



CAPITAL PLAN CLASSIFICATION:	SOURCE OF SUPPLY / STORAGE PROJECTS (PROJECT #4)
PROJECT BASIS:	Reliability
DESCRIPTION:	The Baker WTP Project Agreement established a Replacement Fund to provide for ongoing capital replacements of the Baker WTP equipment. The District pays a proportionate share of the Replacement Fund based on its owned capacity in the Baker Water Treatment Plant.
PROJECT BUDGET:	\$52,795
BASIS OF COST ESTIMATE:	Baker Treatment Plant Budget provided by Irvine Ranch Water District.

PROJECT TITLE: 4920 SIPHONS STABILIZATION



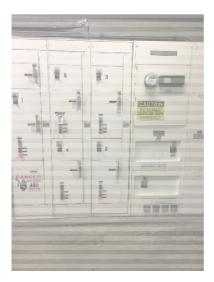
CAPITAL PLAN CLASSIFICATION:	PUMPING (SANITATION) PROJECTS (PROJECT #2)
LOCATION:	4920 LIFT STATION SIPHONS
PROJECT BASIS:	Preservation of Infrastructure, Reliability, Environmental Protection
DESCRIPTION:	The dual 6-inch sewer siphons crossing Aliso Creek are in an unknown condition. Staff believes there was a previous project to blanket the top of the pipelines in concrete along the natural path of the creek. Staff recently noticed a hole in the concrete, suggesting that there may be undermining of the concrete blanket. However, field evaluations have not been conclusive on the condition of the pipe themselves.
	Due to the critical environmental nature of this project, there will need to be more investigation as to the purpose of the concrete in the creek and its effectiveness as protection for the pipelines. Staff will hire a consultant with specialty inspection in order to determine appropriate construction rehabilitation requirements.
PROJECT BUDGET:	\$150,000
BASIS OF COST ESTIMATE:	Staff estimate based on previous studies and estimated rehabilitation costs.

PROJECT TITLE: LA PAZ MCC AND PLC UPGRADE



CAPITAL PLAN CLASSIFICATION:	PUMPING (SANITATION) EQUIPMENT (PROJECT #2)
LOCATION:	LA PAZ LIFT STATION
PROJECT BASIS:	Preservation of Infrastructure, Reliability, Environmental Protection
DESCRIPTION:	The existing lift station facility was installed in 1968 and upgraded in 1971. The MCC is reaching the end of its useful life and is no longer supported. Internal components, including electrical gear parts, are no longer readily available. The electrical panels appear to be leaning toward the freeway on-ramp, down the hill. The proposed project will install a new MCC for pump/motor controls, as well as fix the apparent geotechnical issue with the existing panels, and upgrade to current arc flash standards.
PROJECT BUDGET:	\$140,000
BASIS OF COST ESTIMATE:	Staff estimate based on vendor's component pricing and estimated installation costs.

PROJECT TITLE: WRP MAIN ELECTRICAL POWER BREAKER UPGRADE



CAPITAL PLAN CLASSIFICATION:	TREATMENT (SANITATION) PROJECTS (PROJECT #1)
LOCATION:	WATER RECYCLING PLANT
PROJECT BASIS:	Preservation of Infrastructure, Reliability, Environmental Protection
DESCRIPTION:	The main breaker has started showing signs of failure and staff is strongly recommending to replace it. Recently, when the turbo blower failed, it tripped the main breaker. Staff had a very difficult time resetting the breaker. Staff believes that at some point, if the breaker trips, it may not reset, which would be a significant problem to the plant operations.
PROJECT BUDGET:	\$80,000
BASIS OF COST ESTIMATE:	Staff estimate based on components pricing and estimated installation costs.

PROJECT TITLE: WRP AERATION BASIN DIFFUSER PROJECT





CAPITAL PLAN CLASSIFICATION:	TREATMENT (SANITATION) EQUIPMENT (PROJECT #1)
LOCATION:	WATER RECYCLING PLANT
PROJECT BASIS:	Preservation of Infrastructure, Reliability, Environmental Protection
DESCRIPTION:	As part of WRP secondary treatment, aeration basins (AB) are an integral part of the biological treatment process. The WRP currently operates two of three ABs and a recent study recommended to have all three ABs in service. Staff initiated refurbishment of diffusers in AB No. 1 and discovered that components have become obsolete and are no longer available for purchase. AB 2 and 3 will need replacement parts in the near future as well. Staff hired a consultant to evaluate the latest diffuser types and provide a recommendation. With the final recommendations from the consultant, staff will be able to move forward with a competitive bid process for construction of the new aeration diffuser components.
PROJECT BUDGET:	\$170,000
BASIS OF COST ESTIMATE:	Staff estimate based on vendor and contractor quotes.

PROJECT TITLE: WRP EFFLUENT PUMP STATION REPLACEMENT PROJECT



CAPITAL PLAN CLASSIFICATION:	TREATMENT (SANITATION) EQUIPMENT (PROJECT #3)
LOCATION:	WATER RECYCLING PLANT EFFLUENT PUMP STATION
PROJECT BASIS:	Preservation of Infrastructure, Reliability, Environmental Protection
DESCRIPTION:	The Effluent Pump Station is a vital part of the treatment process. In the case of an ocean outfall pipeline failure or an ocean outfall pump station failure, effluent can be safely conveyed to the emergency effluent holding pond via this pump station. This pump station also provides the ability to divert some flow to the holding pond during heavier rain storm events, which relieves the overall stress to the ocean outfall pipeline and helps prevent its failure.
	The pump station's equipment is reaching the end of its useful life expectancy. This project would install new pumps with mechanical seals, drive shafts, high efficiency motors, inlet isolation valves, check valves, discharge isolation valves, and various components. The project would also include the purchase and installation of a new forward & reverse flow meter, to improve the metering of effluent, either pumped to the holding pond or allowed to gravity flow back into the Plant.
PROJECT BUDGET:	\$100,000
BASIS OF	
COST ESTIMATE:	Staff estimate based on components pricing and estimated installation costs.

PROJECT TITLE: SOCWA



CAPITAL PLAN CLASSIFICATION:	OUTSIDE TREATMENT - SOCWA (PROJECT #1)
LOCATION:	SOCWA
PROJECT BASIS:	End of Useful Life; Reliability; Environmental Protection; Regulatory Compliance
DESCRIPTION:	The District's share of 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.
PROJECT BUDGET:	\$ 1,296,413
BASIS OF COST ESTIMATE:	SOCWA Budget

PROJECT TITLE: MAIN / FIELD OFFICES HVAC REPLACEMENT PROJECTS





CAPITAL PLAN CLASSIFICATION:	GENERAL BUILDING PROJECTS (PROJECT #1)
LOCATION:	MAIN OFFICE, FIELD ADMIN OFFICE
PROJECT BASIS:	General Maintenance
DESCRIPTION:	The HVAC systems in the Main Office and Field Administrative Office are comprised of multiple Air Conditioning units on the roof. Typically, each unit is replaced as it reaches the end of its useful life.
	At this time, each office requires one unit to be replaced. This is the proposed project for the Field Admin building. However, there will also need to be some ducting repair work to maximize efficiency.
	In the Main Office, due to unforeseen structural repairs needed in order to bring the structural members of the roof to code for the new units, staff has explored alternatives from the roof units. An alternative approach is being considered, with all units being removed from the roof and replaced with a ground level system. The new proposed method would include updated ducting and power supply.
PROJECT BUDGET:	\$240,000 (\$82,500 carryover)
BASIS OF COST ESTIMATE:	Staff estimate based on components pricing and estimated installation costs.