

RECOMMENDED OPERATING AND CAPITAL 2016 BUDGET ENCINA WASTEWATER AUTHORITY



MISSION STATEMENT

AS AN ENVIRONMENTAL LEADER, EWA PROVIDES RELIABLE AND FISCALLY RESPONSIBLE WATER RESOURCE RECOVERY SERVICES TO THE COMMUNITIES OF NORTHWEST SAN DIEGO COUNTY.

PROUDLY SERVING

CITY OF VISTA

CITY OF CARLSBAD

CITY OF ENCINITAS

VALLECITOS WATER DISTRICT

BUENA SANITATION DISTRICT

LEUCADIA WASTEWATER DISTRICT

ENCINA WASTEWATER AUTHORITY

FY2016 RECOMMENDED OPERATING & CAPITAL BUDGETS

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Date: May 27, 2015

To: Honorable Chair and Members of the Board of Directors
Encina Joint Advisory Committee
Boards and Councils of the Encina Member Agencies

From: Kevin M. Hardy, General Manager

Subject: Transmittal of FY2016 Recommended Operating & Capital Budgets

This letter transmits the Encina Wastewater Authority's (EWA) Recommended Fiscal Year 2016 Operating and Capital budgets. In conformance with the Revised Basic Agreement for Ownership, Operations and Maintenance of the Encina Joint Sewage System, this Recommended budget estimates both the amount of money required to operate, maintain and administer the Joint System during Fiscal Year 2016; and, the proportionate amount to be paid by each Member Agency. Following this transmittal are Policy Briefs intended to provide readers with additional information regarding critical 2020 Business Plan driven investments in: (a) Encina staffing; and, (b) enhancing the reliability of Encina's locally produced energy.

OPERATING BUDGET OVERVIEW

The Recommended FY2016 Operating Budget is comprised of seven (7) operational programs that provide services to the Encina Member Agencies. Each operational program includes direct personnel and non-personnel expenses and related internal service fund (ISF) charges. The Recommended Fiscal Year 2016 budgets reflect management's strategies and objectives to ensure continued achievement within each of the seven (7) Business Values identified in the 2020 Business Plan: Protect the Pacific Ocean; Preserve Public Health; Develop Encina's Water Resources; Conduct Sound Planning; Remain Efficient, Fiscally Responsible, and Innovative; Provide Meaningful Transparency; Invest Appropriately.

The FY2016 Recommended Operating Budget is summarized below:

Operating Program	FY2014 Actual	FY2015 Budget	FY2016 Recommended	% Change
Encina Water Pollution Control Facility	\$ 11,012,498	\$ 11,717,016	\$ 12,279,446	4.8%
Environmental Compliance Source Control	\$ 664,209	\$ 707,724	\$ 737,071	4.1%
Agua Hedionda Pump Station	\$ 269,050	\$ 304,559	\$ 320,703	5.3%
Buena Vista Pump Station	\$ 395,013	\$ 428,362	\$ 438,268	2.3%
Buena Creek Pump Station	\$ 297,139	\$ 330,973	\$ 354,649	7.2%
Carlsbad Water Recycling Facility	\$ 650,499	\$ 852,703	\$ 879,232	3.1%
Raceway Basin Pump Station	\$ 158,216	\$ 192,549	\$ 196,025	1.8%
Sub-Total: Expenses	\$ 13,446,624	\$ 14,533,886	\$ 15,205,395	4.6%
Anticipated Operating Revenue	\$ -	\$ (381,200)	\$ (646,753)	69.7%
Total Operating Budget	\$ 13,446,624	\$ 14,152,686	\$ 14,558,641	2.9%

The FY2016 Recommended Operating Budget reflects EWA’s continuing commitment to provide sustainable and fiscally responsible wastewater services to the communities it serves while maximizing the use of alternative and renewable resources. The Recommended FY2016 EWPCF Operating Budget includes \$250,000 in contingency funding to help each of the Member Agencies make sufficient appropriations for their share of EWA expenditures as part of their annual budgeting processes.

CAPITAL BUDGET OVERVIEW

The Recommended FY2016 Recommended Capital Budget totals approximately \$15.1 million for the three (3) established EWA capital programs summarized below.

Capital Program	FY2014 Actual	FY2015 Budget	FY2016 Recommended	% Change
CAMP Improvement Projects	\$ 3,405,957	\$ 7,114,000	\$ 11,340,000	59.4%
Planned Asset Replacement (PAR)	\$ 633,184	\$ 831,350	\$ 776,500	-6.6%
Acquisitions	\$ 616,703	\$ 904,255	\$ 930,732	2.9%
Allocated Personnel Expenses	\$ 1,845,206	\$ 2,013,213	\$ 2,049,098	1.8%
Total Capital Budget	\$ 6,501,050	\$ 10,862,818	\$ 15,096,330	39.0%

Improvement Projects are planned, scoped, and prioritized through the Comprehensive Asset Management Program (CAMP). The CAMP is updated annually prior to developing the recommended capital budget and considers anticipated changes in regulatory requirements, prospective operational efficiencies, funding availability and other factors.

The Recommended FY2016 Capital Budget includes \$2,049,098 in funding for 12.93 full-time equivalent (FTE) positions. These positions include full- and part-time efforts of EWA executives, professionals, managers, and technical staff who plan, direct, and support EWA’s Capital Program.

Significant Improvement Projects recommended for FY2016 funding include: Aeration Basin Efficiency and Safety Improvements (\$5,594,000); Dryer Safety Upgrades – Phase 2 & 3 (\$1,839,000); Grit and Screenings Handling Facility Rehabilitation (\$800,000).

PAR reflects minor plant rehabilitation efforts undertaken by EWA staff to maintain the \$358 million invested by the Member Agencies in Joint System assets. Recommended PAR Projects total \$776,500.

Recommended Capital Acquisitions total \$930,732 and reflect appropriate investment in plant control and information systems, vehicles, and equipment.

Please join me in recognizing the staff whose efforts produced this document. Administrative Services Manager LeeAnn Warchol and Management Analyst Mike Marshall led the production team with the counsel of Assistant General Manager Mike Steinlicht and the assistance of Financial Management Consultant Joseph Spence. The Executive Leadership Team coordinated the budget development processes within their respective departments. Accounting Technicians Sally Samra and Claudia Barranon made certain our constantly developing ideas were presented clearly, consistently and accurately.

Respectfully Submitted,

Kevin M. Hardy, General Manager



Policy Brief

To: Honorable Chair and Directors
From: Kevin M. Hardy, General Manager
Date: April 7, 2015

Subject: **2020 Business Plan Key Policy Issue No. 18 – 2020 Staffing Plan**

Recommendation: Phase-In four (4) Operator-In-Training positions, a Mechanical Technician, a Sampling Technician, and a Purchasing Specialist at FY 2015-16 costs of \$350,000. Annualized costs of these additional positions is \$700,000.

2020 Business Plan Reference: Key Policy Issue No. 18 – 2020 Staffing Plan

Motivating Regulatory and Operational Standards:

- Continuous compliance with Ocean Discharge, Air Emissions, Biosolids, Recycled Water permits and regulations
- 24/7/365 Treatment Plant and Ocean Outfall reliability
- Comply with State recycled water regulations
- Safe and healthy work environment for Encina’s highly trained and certified workforce
- Maintain strong employee-employer relationships
- Comply with Cal-OSHA, insurer, and infrastructure related site-specific training.

Challenge: In order to comply with current standards, Encina’s personnel planning must consider: (a) minimum Ocean Discharge Permit staffing requirements; (b) the technical certification level of available field personnel; (c) the operational status of Encina’s Solids Processing System and the Carlsbad Water Reclamation Facilities; and, (d) duty- and personally-based limitations on the physical availability of individual staff. To meet required coverage hours, leaders routinely adjust work schedules, schedule overtime, and shift head count based on workload or priority. This makes it difficult for employees to get into a work “routine” i.e., maintain on-task efficiency, meet training expectations, and plan the effective use of earned leave time. These challenges heighten operational risk related to permit compliance, safety, employee performance, and retention. Encina does not currently possess a Staffing Model that considers these factors.

Solution: Implement Phase I of the 2020 Staffing Plan by phasing in seven (7) positions during FY 2015-16 and establish an Encina Operations Staffing Model. This will address overall Encina staffing needs, certain specific staffing requirements, reduce reliance on overtime and employee goodwill, enable staff to meet training requirements, and avoid job burnout.

Staff's best professional judgment is that a more disciplined staffing approach can help ensure that risks associated with operating, maintaining, and administering the Encina Facilities remain in a range acceptable to the Member Agencies.

- Day Shift Operations: 1.0 State Water Resources Control Board Certified (Certified) Grade III Wastewater Treatment Plant (WWTP) Supervisor and 3.0 SWRCB Certified WWTP Operator on-duty during the Day Shift, 7 days-a-week.
- Evening and Night Shifts Operations: 1.0 Certified WWTP Supervisor and 1.0 Certified WWTP Operator on-duty during the Evening and Night shifts, 7 days-a-week.
- Encina Solids Processing: 2.0 Certified WWTP Operator on-duty 24/7 when the Heat Dryer is operational; and, 1.0 Certified WWTP Operator on-duty 24/7 assisted by 1.0 Certified WWTP Operator during the Day and Evening shifts, 7 days-a-week when the Heat Dryer is not operational.
- Remote Facilities: 1.0 Certified WWTP Operator on-duty during the Day Shift, 7 days-a-week.
- Training: EWA's program to comply with State and CSRMA mandated training is approximately 90 hours per year.

Timing Concerns: Since FY 2008, overall Encina staffing is level. During this same timeframe, and despite losing 345 years of Encina work experience, staff has: commissioned 40,000 square feet of work space; doubled the production of renewable electricity; optimized the #PureGreen Heat Dryer; executed the Biosolids Management Plan; broadened the scope of Laboratory services to reflect both internal process changes and external customer needs; implemented the MUNIS enterprise resource planning system; adapted to continuous construction; expanded community outreach efforts. Since the economic downturn in 2010, staff has made every effort to avoid adding head count choosing instead to: routinely alter work schedules; schedule overtime; shift approved head count based on workload or priority; shift work to contractors; use part-time or apprentice workers; and, reduce work standards where so doing would not appreciably increase operational risk.

Impact on Rates: Based on the 160,529 current EDUs reported to Encina by the Encina Member Agencies, the annualized cost of \$700,000 would add about \$0.364 to the average monthly EDU rate.

Ramifications of Not Acting: Failure to adequately staff EWA operated and maintained facilities elevates the risk of increased costs due to staff injuries, environmental impairment, equipment damage, loss of renewable resource revenue, over-reliance on overtime and employee goodwill as staffing strategies, and the loss of experienced staff unwilling to bear the criminal and personal liabilities arising from such circumstances.



Policy Brief

To: Honorable Chair and Directors
From: Kevin M. Hardy, General Manager
Date: April 15, 2015

Subject: **2020 Business Plan Key Policy Issue No. 4 – Local Energy Reliability**

Recommendation: Fund a \$100,000 Local Energy Reliability Study to evaluate alternative solutions to achieve reliable and cost effective primary and backup electrical generation capability in the FY 2015-16 Encina Capital Improvement Program.

2020 Business Plan Reference: Key Policy Issue No. 4 – Local Energy Reliability

Motivating Regulatory and Operational Standards:

- Continuous compliance with Ocean Discharge, Air Emissions, Biosolids, Recycled Water permits and regulations
- Remain efficient, fiscally responsible, and innovative
- Conduct sound planning and invest appropriately
- 24/7/365 infrastructure reliability
- Continuously increase efficiency in all aspects of Encina operations
- Pursue private partnerships when beneficial to Encina

Brief Background: Encina produces over 80% of the electricity required to power the Treatment Plant and Ocean Outfall on-site through its Cogeneration System. This figure is expected to grow to 95% or greater with the commissioning of the Alternative Fuels Receiving Facility. Under normal operating conditions, Encina separates from the SDG&E transmission grid during “peak” and “semi-peak” demand periods and reconnects to the grid during “off-peak” demand periods which results in a significant reduction in electricity purchases and related cost risk. SDG&E also provides Encina’s Ocean Discharge Permit required “backup” electrical generation service to help ensure treatment plant reliability in the event of a Cogeneration System failure.

Challenge: Due to recent California Public Utilities Commission approved rate hikes, staff is estimating Encina’s FY 2015-16 cost to purchase this 20% increment of off-peak electrical power, and provide backup electrical generation in the event the Cogeneration System fails, is \$1,083,457. This figure represents an increase of \$272,145 (+33.5%) compared to actual costs incurred during the fiscal year that ended June 30, 2014. Furthermore, staff analysis shows that nearly 67% of Encina’s purchased electricity costs are now attributable to charges based on Encina’s potential power demand rather

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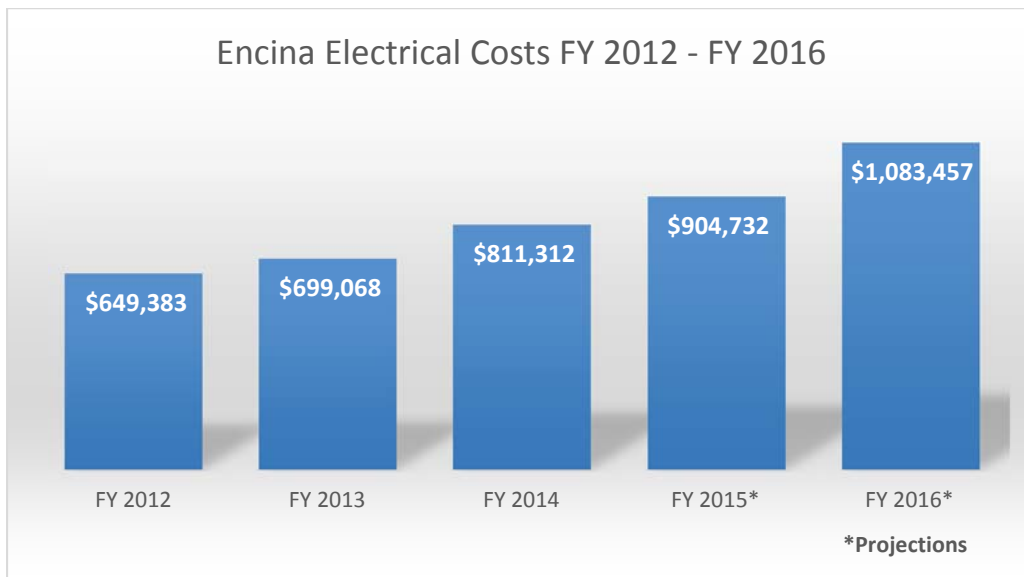
than how much power Encina actually purchases. Currently, staff does not have all the information necessary to make informed capital investment and management decisions to mitigate financial risks related to increasing electricity rates.

Solution: Fund a \$100,000 Energy Reliability Study (Study) to evaluate alternative capital investments, management practices, and partnerships to develop a cost effective portfolio of electrical generation capabilities that can reliably meet Encina's primary and backup power needs. The Study will use Encina's 2011 Energy & Emissions Strategic Plan as a baseline planning tool, use internal rate of return as a primary decision criteria, and include strategies to reduce or eliminate demand based electricity costs. In addition, the Study will evaluate traditional funding mechanisms, emerging public-private partnership concepts, and alternative project delivery methods with the intent of maximizing Member Agency and ratepayer value. Staff will engage with stakeholders, including SDG&E, in this planning process.

Timing Concerns: Acting aggressively on this issue is prudent. At current growth rates, SDG&E charges to Encina could double to \$2MM in three (3) years.

Impact on Rates: Based on the 160,529 current EDUs reported to Encina by the Encina Member Agencies, the recommended study would result in a one-time \$0.623 charge to the average EDU. Appropriate action will result in long-term rate stabilization.

Ramifications of Not Acting: Operational costs associated with continuing to purchase 20% of Encina's required electricity and provide an appropriate backup generation capability will continue to increase at current or accelerating levels. This means current Member Agency rates may not be sufficient to cover future operating costs.



OPERATING BUDGET: REVENUE *and* EXPENSE SUMMARY

Revenue Summary

	2014 Actual	2015 Original	2015 Projected	2016 Recommended	Change	%
City of Vista	\$ 3,415,378	\$ 3,519,417	\$ 3,651,839	\$ 3,698,973	\$ 179,556	5.1%
City of Carlsbad	\$ 3,801,706	\$ 4,197,484	\$ 4,386,101	\$ 4,228,256	\$ 30,772	0.7%
Buena Sanitation District	\$ 1,338,393	\$ 1,387,595	\$ 1,443,144	\$ 1,474,040	\$ 86,445	6.2%
Vallecitos Water District	\$ 2,499,407	\$ 2,612,173	\$ 2,767,115	\$ 2,614,971	\$ 2,798	0.1%
Leucadia Wastewater District	\$ 1,804,515	\$ 1,841,919	\$ 1,959,879	\$ 1,915,644	\$ 73,725	4.0%
City of Encinitas	\$ 587,225	\$ 594,098	\$ 631,233	\$ 626,758	\$ 32,660	5.5%
Sub Total	\$ 13,446,624	\$ 14,152,686	\$ 14,839,311	\$ 14,558,641	\$ 405,955	2.9%
Estimated Revenue		\$ 381,200	\$ 294,765	\$ 646,753	\$ 265,553	69.7%
Total	\$ 13,446,624	\$ 14,533,886	\$ 15,134,076	\$ 15,205,395	\$ 671,509	4.6%

*2014 Actual total is net of revenue

Operating Revenues from Member Agencies by Program

	2014 Actual	2015 Original	2015 Projected	2016 Recommended	Change	%
Encina Water Pollution Control Facilities	\$ 11,012,498	\$ 11,335,816	\$ 12,104,576	\$ 11,632,693	\$ 296,877	2.6%
Source Control	\$ 664,209	\$ 707,724	\$ 644,423	\$ 737,071	\$ 29,347	4.1%
Agua Hedionda Pump Station	\$ 269,050	\$ 304,559	\$ 300,150	\$ 320,703	\$ 16,144	5.3%
Buena Vista Pump Station	\$ 395,013	\$ 428,362	\$ 427,280	\$ 438,268	\$ 9,906	2.3%
Buena Creek Pump Station	\$ 297,139	\$ 330,973	\$ 329,167	\$ 354,649	\$ 23,676	7.2%
Carlsbad Water Recycling Facility	\$ 650,499	\$ 852,703	\$ 859,785	\$ 879,232	\$ 26,529	3.1%
Raceway Basin Pump Station	\$ 158,216	\$ 192,549	\$ 173,930	\$ 196,025	\$ 3,476	1.8%
Total	\$ 13,446,624	\$ 14,152,686	\$ 14,839,311	\$ 14,558,641	\$ 405,955	2.9%

Operating Budget Expense Summary by Program

	2014 Actual	2015 Original	2015 Projected	2016 Recommended	Change	%
Encina Water Pollution Control Facilities	\$ 11,012,498	\$ 11,717,016	\$ 12,399,341	\$ 12,279,446	\$ 562,430	4.8%
Source Control	\$ 664,209	\$ 707,724	\$ 644,423	\$ 737,071	\$ 29,347	4.1%
Agua Hedionda Pump Station	\$ 269,050	\$ 304,559	\$ 300,150	\$ 320,703	\$ 16,144	5.3%
Buena Vista Pump Station	\$ 395,013	\$ 428,362	\$ 427,280	\$ 438,268	\$ 9,906	2.3%
Buena Creek Pump Station	\$ 297,139	\$ 330,973	\$ 329,167	\$ 354,649	\$ 23,676	7.2%
Carlsbad Water Recycling Facility	\$ 650,499	\$ 852,703	\$ 859,785	\$ 879,232	\$ 26,529	3.1%
Raceway Basin Pump Station	\$ 158,216	\$ 192,549	\$ 173,930	\$ 196,025	\$ 3,477	1.8%
Total	\$ 13,446,624	\$ 14,533,886	\$ 15,134,076	\$ 15,205,395	\$ 671,509	4.6%

Combined Operating Budget Expense

	2014 Actual	2015 Original	2015 Projected	2016 Recommended	Change	%
Personnel	\$ 5,211,732	\$ 5,413,607	\$ 5,574,581	\$ 5,668,862	\$ 255,256	4.7%
Non-Personnel	\$ 3,352,572	\$ 4,127,828	\$ 4,453,037	\$ 4,221,545	\$ 93,717	2.3%
Internal Service Fund	\$ 4,882,320	\$ 4,992,451	\$ 5,106,458	\$ 5,314,987	\$ 322,536	6.5%
Total	\$ 13,446,624	\$ 14,533,886	\$ 15,134,076	\$ 15,205,395	\$ 671,509	4.6%

OPERATING BUDGET: REVENUE SUMMARY

City of Vista

	2014		2015		2015		2016		Change	%	
	Actual		Original		Projected		Recommended				
Encina Water Pollution Control Facilities	\$	2,527,266	\$	2,540,185	\$	2,712,453	\$	2,676,514	\$	136,329	5.4%
Source Control	\$	190,050	\$	192,421	\$	175,210	\$	212,139	\$	19,718	10.2%
Agua Hedionda Pump Station	\$	185,914	\$	210,450	\$	207,403	\$	221,606	\$	11,156	5.3%
Buena Vista Pump Station	\$	353,932	\$	383,812	\$	382,842	\$	392,688	\$	8,876	2.3%
Raceway Basin Pump Station	\$	158,216	\$	192,549	\$	173,930	\$	196,025	\$	3,476	1.8%
Total	\$	3,415,378	\$	3,519,417	\$	3,651,839	\$	3,698,973	\$	179,556	5.1%

City of Carlsbad

	2014		2015		2015		2016		Change	%	
	Actual		Original		Projected		Recommended				
Encina Water Pollution Control Facilities	\$	2,827,172	\$	2,987,253	\$	3,189,839	\$	2,985,052	\$	(2,201)	-0.1%
Source Control	\$	199,818	\$	218,869	\$	199,293	\$	219,295	\$	426	0.2%
Agua Hedionda Pump Station	\$	83,136	\$	94,109	\$	92,747	\$	99,097	\$	4,988	5.3%
Buena Vista Pump Station	\$	41,081	\$	44,550	\$	44,437	\$	45,580	\$	1,030	2.3%
Carlsbad Water Recycling Facility	\$	650,499	\$	852,703	\$	859,785	\$	879,232	\$	26,529	3.1%
Total	\$	3,801,706	\$	4,197,484	\$	4,386,101	\$	4,228,256	\$	30,772	0.7%

Buena Sanitation District Facilities

	2014		2015		2015		2016		Change	%	
	Actual		Original		Projected		Recommended				
Encina Water Pollution Control Facilities	\$	949,290	\$	965,681	\$	1,031,171	\$	1,016,596	\$	50,915	5.3%
Source Control	\$	91,964	\$	90,941	\$	82,807	\$	102,795	\$	11,854	13.0%
Buena Creek Pump Station	\$	297,139	\$	330,973	\$	329,167	\$	354,649	\$	23,676	7.2%
Total	\$	1,338,393	\$	1,387,595	\$	1,443,144	\$	1,474,040	\$	86,445	6.2%

Vallecitos Water District

	2014		2015		2015		2016		Change	%	
	Actual		Original		Projected		Recommended				
Encina Water Pollution Control Facilities	\$	2,388,957	\$	2,470,955	\$	2,638,528	\$	2,492,948	\$	21,993	0.9%
Source Control	\$	110,450	\$	141,218	\$	128,587	\$	122,023	\$	(19,195)	-13.6%
Total	\$	2,499,407	\$	2,612,173	\$	2,767,115	\$	2,614,971	\$	2,798	0.1%

Leucadia Wastewater District

	2014		2015		2015		2016		Change	%	
	Actual		Original		Projected		Recommended				
Encina Water Pollution Control Facilities	\$	1,753,506	\$	1,797,705	\$	1,919,620	\$	1,857,929	\$	60,224	3.4%
Source Control	\$	51,009	\$	44,214	\$	40,259	\$	57,716	\$	13,502	30.5%
Total	\$	1,804,515	\$	1,841,919	\$	1,959,879	\$	1,915,644	\$	73,725	4.0%

City of Encinitas

	2014		2015		2015		2016		Change	%	
	Actual		Original		Projected		Recommended				
Encina Water Pollution Control Facilities	\$	566,307	\$	574,037	\$	612,966	\$	603,654	\$	29,617	5.2%
Source Control	\$	20,918	\$	20,061	\$	18,267	\$	23,104	\$	3,043	15.2%
Total	\$	587,225	\$	594,098	\$	631,233	\$	626,758	\$	32,660	5.5%

OPERATING BUDGET: EXPENSE SUMMARY

Encina Water Pollution Control Facilities

	2014		2015		2015		2016				
	Actual		Original		Projected		Recommended	Change	%		
Personnel	\$	3,986,258	\$	3,950,916	\$	4,238,146	\$	4,184,030	\$	233,114	5.9%
Non-Personnel	\$	2,648,616	\$	3,266,157	\$	3,571,975	\$	3,326,282	\$	60,125	1.8%
Internal Service Fund	\$	4,377,624	\$	4,499,943	\$	4,589,220	\$	4,769,134	\$	269,191	6.0%
Total	\$	11,012,498	\$	11,717,016	\$	12,399,341	\$	12,279,446	\$	562,430	4.8%

Environmental Compliance Source Control

	2014		2015		2015		2016				
	Actual		Original		Projected		Recommended	Change	%		
Personnel	\$	433,835	\$	491,658	\$	432,222	\$	503,478	\$	11,820	2.4%
Non-Personnel	\$	23,056	\$	26,250	\$	17,750	\$	18,835	\$	(7,415)	-28.2%
Internal Service Fund	\$	207,318	\$	189,816	\$	194,451	\$	214,758	\$	24,942	13.1%
Total	\$	664,209	\$	707,724	\$	644,423	\$	737,071	\$	29,347	4.1%

Agua Hedionda Pump Station

	2014		2015		2015		2016				
	Actual		Original		Projected		Recommended	Change	%		
Personnel	\$	132,931	\$	144,728	\$	129,348	\$	146,190	\$	1,462	1.0%
Non-Personnel	\$	96,562	\$	118,931	\$	126,921	\$	129,684	\$	10,753	9.0%
Internal Service Fund	\$	39,557	\$	40,900	\$	43,881	\$	44,830	\$	3,929	9.6%
Total	\$	269,050	\$	304,559	\$	300,150	\$	320,703	\$	16,144	5.3%

Buena Vista Pump Station

	2014		2015		2015		2016				
	Actual		Original		Projected		Recommended	Change	%		
Personnel	\$	130,946	\$	143,399	\$	128,938	\$	144,910	\$	1,511	1.1%
Non-Personnel	\$	206,567	\$	226,234	\$	235,334	\$	235,735	\$	9,501	4.2%
Internal Service Fund	\$	57,500	\$	58,729	\$	63,009	\$	57,623	\$	(1,106)	-1.9%
Total	\$	395,013	\$	428,362	\$	427,280	\$	438,268	\$	9,906	2.3%

Buena Creek Pump Station

	2014		2015		2015		2016				
	Actual		Original		Projected		Recommended	Change	%		
Personnel	\$	137,038	\$	148,918	\$	127,501	\$	149,999	\$	1,081	0.7%
Non-Personnel	\$	118,913	\$	140,106	\$	156,659	\$	158,924	\$	18,818	13.4%
Internal Service Fund	\$	41,188	\$	41,949	\$	45,006	\$	45,726	\$	3,777	9.0%
Total	\$	297,139	\$	330,973	\$	329,167	\$	354,649	\$	23,676	7.2%

Carlsbad Water Recycling Facility

	2014		2015		2015		2016				
	Actual		Original		Projected		Recommended	Change	%		
Personnel	\$	293,954	\$	423,983	\$	426,120	\$	429,141	\$	5,157	1.2%
Non-Personnel	\$	221,676	\$	291,727	\$	288,653	\$	296,185	\$	4,458	1.5%
Internal Service Fund	\$	134,869	\$	136,993	\$	145,013	\$	153,907	\$	16,914	12.3%
Total	\$	650,499	\$	852,703	\$	859,785	\$	879,232	\$	26,529	3.1%

Raceway Basin Pump Station

	2014		2015		2015		2016				
	Actual		Original		Projected		Recommended	Change	%		
Personnel	\$	96,770	\$	110,004	\$	92,305	\$	111,115	\$	1,111	1.0%
Non-Personnel	\$	37,182	\$	58,424	\$	55,746	\$	55,901	\$	(2,523)	-4.3%
Internal Service Fund	\$	24,264	\$	24,121	\$	25,878	\$	29,010	\$	4,889	20.3%
Total	\$	158,216	\$	192,549	\$	173,930	\$	196,025	\$	3,477	1.8%

PERSONNEL EXPENSE by ACCOUNT

Salaries

	2015 Budget	% of Total	2016 Budget	% of Total	% Change
Regular	\$ 5,940,459		\$ 6,329,811		6.6%
Performance Pay	\$ 228,621		\$ -		-100.0%
Overtime	\$ 130,524		\$ 110,000		-15.7%
Holiday	\$ 79,575		\$ 89,051		11.9%
Part-Time Staff	\$ -		\$ 51,948		
Intern Program	\$ 29,757		\$ 29,757		0.0%
Shift Differential	\$ 56,034		\$ 48,762		-13.0%
Incentive Awards	\$ 12,000		\$ 12,000		0.0%
Standby	\$ -		\$ 9,809		
Subtotal Salaries	\$ 6,476,970	67.4%	\$ 6,681,137	67.2%	3.2%

Benefits

	2015 Budget	% of Total	2016 Budget	% of Total	% Change
CAL PERS Retirement Program	\$ 1,990,634		\$ 2,045,107		2.7%
CAL PERS Employee Contribution	\$ (504,375)		\$ (517,410)		2.6%
Other Post-Employment Benefits	\$ 61,031		\$ 63,284		3.7%
Flexible Benefits 125 Plan	\$ 1,010,892		\$ 1,103,005		9.1%
Employee Benefit Contribution	\$ (19,370)		\$ (22,100)		14.1%
Deferred Compensation	\$ 234,491		\$ 243,799		4.0%
Medicare	\$ 94,586		\$ 97,404		3.0%
Unemployment	\$ 29,993		\$ 29,993		0.0%
Workers Compensation Insurance	\$ 169,721		\$ 170,808		0.6%
Professional Certification	\$ 8,121		\$ 11,870		46.2%
Employee Assistance Program	\$ 1,917		\$ 1,917		0.0%
General Manager Benefits	\$ 8,000		\$ 14,400		80.0%
Education Assistance	\$ 16,246		\$ 16,246		0.0%
Subtotal Benefits	\$ 3,101,887	32.6%	\$ 3,258,323	32.8%	5.0%

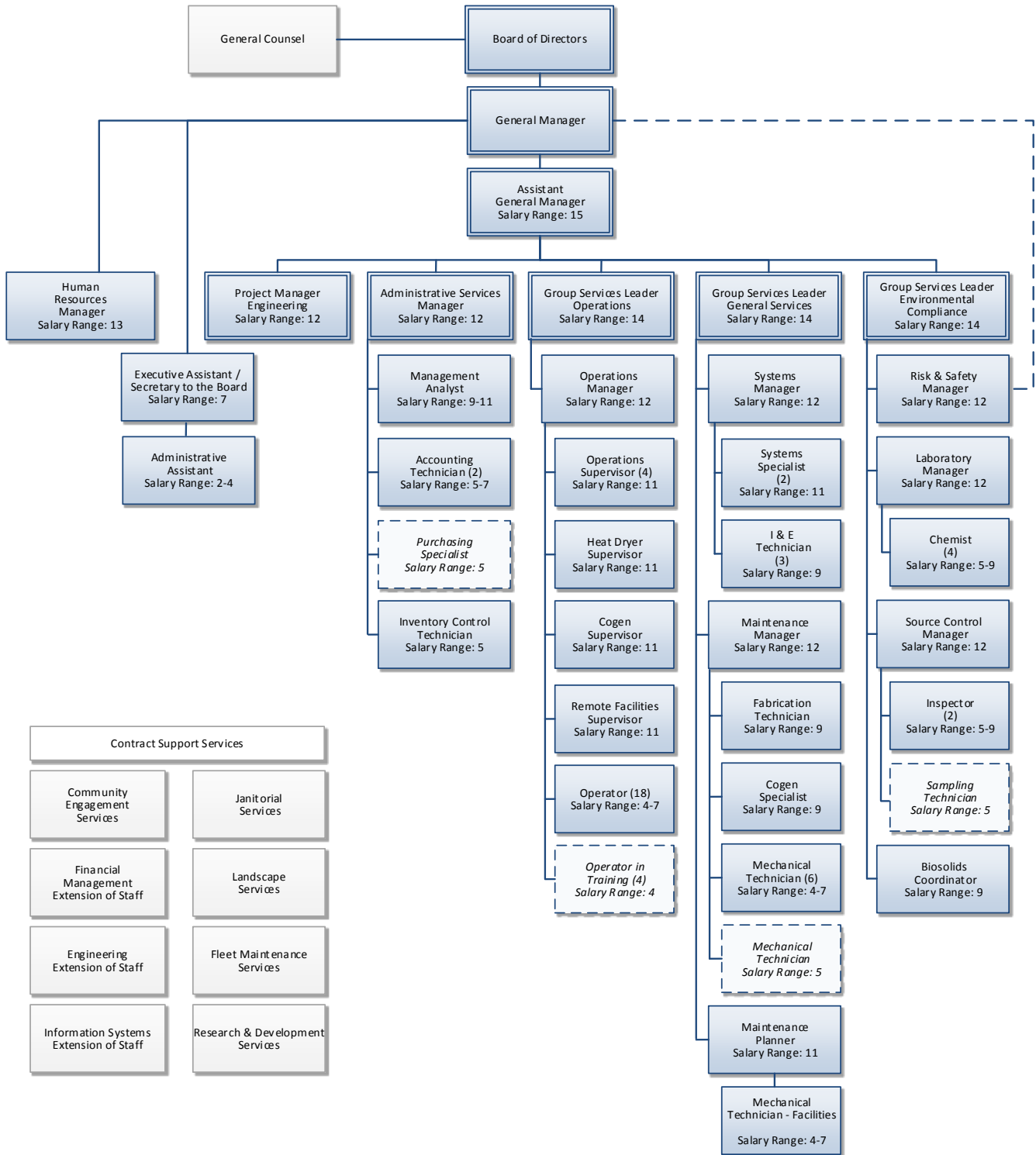
Total Personnel Expense	\$ 9,578,858	100.0%	\$ 9,939,460	100.0%	3.8%
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Personnel Expense Summary by Program

Programs

	2015 Budget	2015 Positions	2016 Budget	2016 Positions	% Change
Encina Water Pollution Control Facilities	\$ 3,950,916	30.01	\$ 4,184,030	34.11	5.9%
Source Control	\$ 491,658	3.35	\$ 503,478	4.35	2.4%
<i>Agua Hedionda Pump Station</i>	\$ 144,727	1.04	\$ 146,190	1.07	1.0%
<i>Buena Vista Pump Station</i>	\$ 143,399	1.03	\$ 144,910	1.06	1.1%
<i>Buena Creek Pump Station</i>	\$ 148,918	1.08	\$ 149,999	1.11	0.7%
<i>Carlsbad Water Reclamation Facilities</i>	\$ 423,983	3.30	\$ 429,141	3.33	1.2%
<i>Raceway Basin Pump Station</i>	\$ 110,004	0.80	\$ 111,115	0.83	1.0%
Remote Facilities	\$ 971,031	7.23	\$ 981,354	7.38	1.1%
Subtotal	\$ 5,413,606	40.59	\$ 5,668,862	45.84	4.7%
Internal Service Funds	\$ 2,152,038	15.13	\$ 2,221,499	15.23	3.2%
Subtotal Operating	\$ 7,565,644	55.72	\$ 7,890,361	61.07	4.3%
Capital Program	\$ 2,013,213	11.28	\$ 2,049,098	12.93	1.8%
Total Personnel Expense	\$ 9,578,858	67.00	\$ 9,939,460	74.00	3.8%

FISCAL YEAR 2016 ORGANIZATION CHART (71.2 FTEs)



FY2016 SALARY SCHEDULE

Range ID	Period	Minimum	Maximum	Range ID	Period	Minimum	Maximum
T1	Hourly	\$ 10.73	\$ 14.49	T9	Hourly	\$ 34.23	\$ 46.20
	Bi-Weekly	\$ 858.40	\$ 1,159.20		Bi-Weekly	\$ 2,738.40	\$ 3,696.00
	Monthly	\$ 1,859.87	\$ 2,511.60		Monthly	\$ 5,933.20	\$ 8,008.00
	Annual	\$ 22,318.40	\$ 30,139.20		Annual	\$ 71,198.40	\$ 96,096.00
T2	Hourly	\$ 20.06	\$ 27.09	T10	Hourly	\$ 36.12	\$ 48.76
	Bi-Weekly	\$ 1,604.80	\$ 2,167.20		Bi-Weekly	\$ 2,889.60	\$ 3,900.80
	Monthly	\$ 3,477.07	\$ 4,695.60		Monthly	\$ 6,260.80	\$ 8,451.73
	Annual	\$ 41,724.80	\$ 56,347.20		Annual	\$ 75,129.60	\$ 101,420.80
T3	Hourly	\$ 22.07	\$ 29.79	T11	Hourly	\$ 38.29	\$ 51.69
	Bi-Weekly	\$ 1,765.60	\$ 2,383.20		Bi-Weekly	\$ 3,063.20	\$ 4,135.20
	Monthly	\$ 3,825.47	\$ 5,163.60		Monthly	\$ 6,636.93	\$ 8,959.60
	Annual	\$ 45,905.60	\$ 61,963.20		Annual	\$ 79,643.20	\$ 107,515.20
T4	Hourly	\$ 22.99	\$ 31.03	M12	Hourly	\$ 45.97	\$ 62.06
	Bi-Weekly	\$ 1,839.20	\$ 2,482.40		Bi-Weekly	\$ 3,677.60	\$ 4,964.80
	Monthly	\$ 3,984.93	\$ 5,378.53		Monthly	\$ 7,968.13	\$ 10,757.07
	Annual	\$ 47,819.20	\$ 64,542.40		Annual	\$ 95,617.60	\$ 129,084.80
T5	Hourly	\$ 26.13	\$ 35.28	M13	Hourly	\$ 48.61	\$ 65.62
	Bi-Weekly	\$ 2,090.40	\$ 2,822.40		Bi-Weekly	\$ 3,888.80	\$ 5,249.60
	Monthly	\$ 4,529.20	\$ 6,115.20		Monthly	\$ 8,425.73	\$ 11,374.13
	Annual	\$ 54,350.40	\$ 73,382.40		Annual	\$ 101,108.80	\$ 136,489.60
T6	Hourly	\$ 27.84	\$ 37.59	M14	Hourly	\$ 58.32	\$ 78.73
	Bi-Weekly	\$ 2,227.20	\$ 3,007.20		Bi-Weekly	\$ 4,665.60	\$ 6,298.40
	Monthly	\$ 4,825.60	\$ 6,515.60		Monthly	\$ 10,108.80	\$ 13,646.53
	Annual	\$ 57,907.20	\$ 78,187.20		Annual	\$ 121,305.60	\$ 163,758.40
T7	Hourly	\$ 29.65	\$ 40.03	M15	Hourly	\$ 68.13	\$ 91.98
	Bi-Weekly	\$ 2,372.00	\$ 3,202.40		Bi-Weekly	\$ 5,450.40	\$ 7,358.40
	Monthly	\$ 5,139.33	\$ 6,938.53		Monthly	\$ 11,809.20	\$ 15,943.20
	Annual	\$ 61,672.00	\$ 83,262.40		Annual	\$ 141,710.40	\$ 191,318.40
T8	Hourly	\$ 32.60	\$ 44.01	Contract	Hourly		\$ 102.82
	Bi-Weekly	\$ 2,608.00	\$ 3,520.80		Bi-Weekly		\$ 8,225.60
	Monthly	\$ 5,650.67	\$ 7,628.40		Monthly		\$ 17,822.13
	Annual	\$ 67,808.00	\$ 91,540.80		Annual		\$ 213,865.60

ENCINA WATER POLLUTION CONTROL FACILITIES

The Encina Water Pollution Control Facility (EWPCF), located in Carlsbad, California, provides wastewater treatment services to approximately 358,000 residents in a 123 square mile service area of northwest San Diego County. The EWPCF consists of three major components: the treatment plant; the Encina Ocean Outfall (EOO); and the Joint Flow Metering System (JFMS). The EWPCF was constructed in 1963 to treat wastewater from the Cities of Carlsbad and Vista. Since its original design and construction, the treatment plant has undergone four (4) major expansions – the latest completed in 2009. Today, the EWPCF is a modern resource recovery facility that produces: clean water for recycling and Pacific Ocean discharge (via preliminary and primary treatment processes; activated sludge secondary treatment; secondary flow equalization facilities; and a 1.5 mile EOO, which discharges treated effluent at an average depth of one-hundred-fifty (150) feet through an eight-hundred (800') foot section that includes 136 diffuser ports); a granular fertilizer marketed under the name PureGreen (via anaerobic digesters; solids dewatering centrifuges; and a triple-pass rotary drum heat dryer); and, about 75% of the electricity required to power the EWPCF (via a Combined Heat & Power System). In addition, the JFMS consists of sixteen flow meters strategically placed throughout the collection system. The data collected at these metering sites, which is analyzed and certified by an independent consultant, is a critical element in allocating EWPCF costs among the EWA Member Agencies.

Capacity – The EWPCF has a rated liquid treatment capacity of 40.51 million gallons per day (MGD) and a rated solids treatment capacity of 43.53 MGD. During FY2016, the EWPCF will: (1) clean more than 9.1 billion gallons of water; (2) recycle nearly 2 billion gallons for on-site use and regional irrigation; and, (3) stabilize nearly 4.3 million pounds of solids into about 5,700 tons of PureGreen® organic fertilizer.

Cost Allocation – The EWPCF costs are allocated among member agencies based on ownership and usage charges in accordance with the Financial Plan and Revenue Program. EOO costs are allocated among member agencies based on the volume of effluent discharged. JFMS costs are allocated among the member agencies based on the number, location and type of meters.



Encina Pollution Control Facility

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OPERATING EXPENSE SUMMARY: ENCINA POLLUTION CONTROL FACILITY

		Actual	Budget	Projected	Recommended	%
		FY2014	FY2015	FY2015	FY2016	Change
5100	Salaries	\$ 2,792,576	\$ 2,656,499	\$ 2,911,680	\$ 2,796,336	5%
5200	Benefits	\$ 1,193,682	\$ 1,294,418	\$ 1,326,466	\$ 1,387,694	7%
Total Personnel Expenses		\$ 3,986,258	\$ 3,950,916	\$ 4,238,146	\$ 4,184,030	6%

		Actual	Budget	Projected	Recommended	%
		FY2014	FY2015	FY2015	FY2016	Change
21001 7330	Specialty Services	\$ 106,560	\$ 106,560	\$ 106,560	\$ 143,100	34%
22001 5400	Cept Polymer	\$ 101,733	\$ 101,475	\$ 99,291	\$ 99,603	-2%
22001 5401	Ferric Chloride	\$ 261,807	\$ 320,220	\$ 313,319	\$ 284,640	-11%
22001 5402	Odor Control Rock Salt	\$ 2,807	\$ 5,400	\$ 5,400	\$ 5,400	0%
22001 5403	Odor Control Caustic	\$ 14,663	\$ 25,200	\$ 23,122	\$ 25,200	0%
22001 5405	Atmospheric Control (Nitrogen)	\$ 30,842	\$ 32,940	\$ 25,840	\$ 32,052	-3%
22001 5406	Pellet Dust Control	\$ 68,263	\$ 91,500	\$ 77,713	\$ 97,200	6%
22001 5407	Sodium Hypochlorite	\$ 39,449	\$ 56,700	\$ 53,983	\$ 56,700	0%
22001 5408	DAF Polymer	\$ 56,211	\$ 75,870	\$ 74,456	\$ 74,328	-2%
22001 5409	Dewatering Polymer	\$ 563,991	\$ 579,150	\$ 585,777	\$ 579,150	0%
22001 5410	Chemicals	\$ 1,112	\$ -	\$ -	\$ -	0%
22001 5420	Biosolids Disposal	\$ 229,442	\$ 240,172	\$ 639,243	\$ 195,038	-19%
22001 5421	Biosolids Hauling	\$ (4,536)	\$ -	\$ -	\$ -	0%
22001 5422	Pure Green Marketing	\$ 52,874	\$ 53,000	\$ 53,000	\$ 53,000	0%
22001 5423	Grit Hauling	\$ -	\$ -	\$ -	\$ 80,616	0%
22001 5431	Water	\$ 20,509	\$ 22,315	\$ 27,459	\$ 24,625	10%
22001 6450	Professional Services	\$ 53,596	\$ 4,000	\$ 4,000	\$ 29,000	625%
22001 6720	Equipment Special New	\$ 4,182	\$ 1,500	\$ 1,500	\$ 1,500	0%
22001 6730	Repair Maint Non Specific	\$ 135	\$ -	\$ -	\$ -	0%
22001 6920	Permits	\$ 216,778	\$ 22,803	\$ 24,653	\$ 24,653	8%
22001 7130	Public Information	\$ 15,730	\$ 7,000	\$ 3,000	\$ 7,000	0%
22001 7310	Safety & Medical Services	\$ 20,661	\$ 22,400	\$ 22,400	\$ 26,000	16%
22001 7320	Safety Equipment	\$ 92,587	\$ 88,150	\$ 88,150	\$ 91,750	4%
22001 7330	Specialty Services	\$ 422	\$ 1,250	\$ 1,250	\$ 1,250	0%
22001 7611	Hazwoper Training	\$ 1,995	\$ 6,875	\$ 6,875	\$ 6,875	0%
22001 7616	First Aid Training	\$ 1,980	\$ 250	\$ 250	\$ 3,300	1220%
22001 7617	Safety Other	\$ 3,769	\$ 6,325	\$ 6,325	\$ 6,325	0%
22001 7620	Contingency	\$ -	\$ 264,000	\$ 264,000	\$ 250,000	-5%
23001 5410	Chemicals	\$ 5,516	\$ 7,800	\$ 7,800	\$ 7,800	0%
23001 5530	Corrosion Protection	\$ 1,185	\$ 4,000	\$ 4,000	\$ 4,000	0%
23001 5910	Equipment Rental	\$ 5,510	\$ 8,000	\$ 8,000	\$ 8,000	0%
23001 6120	Fuel & Lube	\$ 25,618	\$ 22,602	\$ 22,602	\$ 22,602	0%
23001 6230	Janitorial	\$ 44,154	\$ 52,000	\$ 52,000	\$ 60,000	15%

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NON-PERSONNEL EXPENSES (cont.)			Actual	Budget	Projected	Recommended	%
			FY2014	FY2015	FY2015	FY2016	Change
23001	6410	Laundry & Uniforms	\$ 16,145	\$ 16,500	\$ 16,500	\$ 17,318	5%
23001	6424	Information Systems	\$ 128,581	\$ 224,859	\$ 217,359	\$ 239,867	7%
23001	6510	Repair Maint Mobile	\$ 15,799	\$ 15,400	\$ 15,400	\$ 15,400	0%
23001	6710	Equipment New	\$ 4,858	\$ 7,000	\$ 7,000	\$ 7,000	0%
23001	6730	Repair Maint Non Specific	\$ 70,891	\$ 62,000	\$ 62,000	\$ 62,000	0%
23001	6930	Repair Maint Electric Pipe	\$ 66,693	\$ 82,000	\$ 82,000	\$ 83,000	1%
23001	6940	Repair Maint Planned	\$ 91,885	\$ 95,000	\$ 95,000	\$ 95,000	0%
23001	7010	Plant Contracts	\$ 68,968	\$ 70,650	\$ 64,150	\$ 124,600	76%
23001	7330	Specialty Services	\$ 93,650	\$ 129,600	\$ 78,000	\$ 95,100	-27%
23001	7510	Tools	\$ 6,300	\$ 6,300	\$ 6,300	\$ 6,300	0%
24001	6730	Repair Maintenance Non Specific	\$ -	\$ 1,500	\$ 1,500	\$ 1,500	0%
24001	6810	Ocean Monitoring	\$ -	\$ 32,000	\$ 32,000	\$ 15,000	-53%
24001	6911	Effluent Testing	\$ -	\$ 11,000	\$ 11,000	\$ 19,500	77%
24001	6920	Permits	\$ -	\$ 187,407	\$ 187,407	\$ 187,407	0%
24001	6940	Repair Maintenance Planned	\$ -	\$ 2,000	\$ 2,000	\$ 2,000	0%
50001	BOD	Business Plan	\$ 1,413	\$ 40,000	\$ 40,000	\$ 1,100	-97%
50001	BOD	Board of Directors Fees	\$ 43,886	\$ 53,484	\$ 52,392	\$ 53,484	0%
Total Non-Personnel Expenses			\$ 2,648,616	\$ 3,266,157	\$ 3,571,975	\$ 3,326,282	2%

INTERNAL SERVICE FUNDS			Actual	Budget	Projected	Recommended	%
			FY2014	FY2015	FY2015	FY2016	Change
11001		Administration	\$ 1,684,560	\$ 1,751,370	\$ 1,879,003	\$ 1,854,457	6%
12001		Laboratory	\$ 791,981	\$ 771,217	\$ 768,783	\$ 760,944	-1%
13001		Energy Management	\$ 1,901,083	\$ 1,977,356	\$ 1,941,433	\$ 2,153,733	9%
Total Internal Service Fund Expenses			\$ 4,377,624	\$ 4,499,943	\$ 4,589,220	\$ 4,769,134	6%
Total Operating Expenses			\$ 11,012,498	\$ 11,717,016	\$ 12,399,341	\$ 12,279,446	5%

21001 EWPCF FLOW METERING

\$ 143,100

7330 SPECIALTY SERVICES

\$ 143,100

Flow Meter Service

143,100

Contract renewal with 3 additional meters (19 Total) and move from landline to wireless data recovery.

22001 EWPCF OPERATIONS

\$ 2,055,204

5400 CEPT POLYMER	\$ 99,603
CEPT Polymer	99,603
<i>2 deliveries at new contract price (\$1.1067/lb @ 45,000 lbs/delivery)</i>	
5401 FERRIC CHLORIDE	\$ 284,640
Ferric Chloride	284,640
<i>48 deliveries at current contract price (\$549+tax /ton @ 10 tons/delivery) New contract beginning 7/1/2015</i>	
5402 ODOR CONTROL ROCK SALT	\$ 5,400
Odor Control Rock Salt	5,400
<i>Used for water softener prior to entering ORF III.</i>	
5403 ODOR CONTROL CAUSTIC	\$ 25,200
Odor Control Caustic	25,200
<i>6 deliveries - no contract - 3 bid process. (\$3.00/gal @ 1,400 gal/delivery - includes sales tax)</i>	
5405 ATMOSPHERIC CONTROL (NITROGEN)	\$ 32,052
Atmospheric Control (Nitrogen)	31,212
<i>36 deliveries at current contract price (\$0.6195+tax/CCF @ 1,400CCF/delivery) Increased usage due to PureGreen logistics New contract beginning 7/1/2015</i>	
Monthly monitoring fee	840
5406 PELLET DUST CONTROL	\$ 97,200
Pellet Dust Control	97,200
<i>2 deliveries - new unit price using Camelina Oil (\$1.00+tax/lb @ 45,000lbs/delivery)</i>	
5407 SODIUM HYPOCHLORITE	\$ 56,700
Sodium Hypochlorite	56,700
<i>20 deliveries at current contract price (\$0.583+tax/gal @ 4,500gal/delivery)</i>	
5408 DAF POLYMER	\$ 74,328
DAF Polymer	74,328
<i>12 deliveries at new contract price (\$0.12744+tax/lb @ 45,000lbs/delivery)</i>	
5409 DEWATERING POLYMER	\$ 579,150
Dewatering Polymer (Centrifuge)	579,150
<i>10 deliveries at current contract price (\$1.32+tax/lb @ 45,000lbs/delivery) New contract beginning 7/1/2015</i>	
5420 BIOSOLIDS DISPOSAL	\$ 195,038
Biosolids Hauling - Class A land application	104,020
<i>2,000 dry tons to land application (Yuma) for Pyrolysis project @ \$52.01/ton + 3,450 dry tons in PureGreen sales @ \$0/ton = 5,450 tons</i>	
Biosolids Hauling - Class B land application	91,018
<i>1,750 wet tons of Class B produced during annual maintenance (14 days total).</i>	

22001 EWPCF OPERATIONS

continued

5422 BIOSOLIDS MARKETING	\$ 53,000
PureGreen Marketing Program	30,000
<i>The increase in tier II biosolids use has eliminated a substantial portion of hauling cost. The tier II market is still in the developmental stage and requires increased marketing efforts.</i>	
PureGreen Product Research	23,000
<i>Continue research on PureGreen fertilizer. Additional research will be needed on the pyrolysis char product to determine its value and strengths as a fertilizer product.</i>	
5423 GRIT HAULING	\$ 80,616
Grit Hauling	80,616
<i>890 wet tons under current contract price of \$90.58</i>	
<i>Higher amount due to narrower barscreens.</i>	
5431 WATER	\$ 24,625
Potable water for EWPCF	16,170
<i>350 units/month @ \$3.85/unit</i>	
<i>Rate increased from \$3.70/unit</i>	
Monthly meter service charges	8,455
<i>\$701.56 delivery charge + \$3 backflow charge</i>	
<i>Delivery charge increased from \$588/month</i>	
6450 PROFESSIONAL SERVICES	\$ 29,000
Heat Dryer Inspection	15,000
<i>Manufacturer's annual heat dryer process inspection</i>	
Heat Dryer Optimization	10,000
<i>Optimization for use of digester gas from alternative fuels project.</i>	
Settlement Monitoring	4,000
<i>Based on FY2015 costs</i>	
6720 EQUIPMENT SPECIAL NEW	\$ 1,500
Hoses and Nozzles	800
Drager Tubes	400
Sludge Judges	300
6920 PERMITS	\$ 24,653
APCD - EWPCF site permit	15,015
DEH - San Diego County Hazmat fee	2,999
APCD - EWPCF WWT facility permit	2,401
APCD - Biosolids processing permit	2,401
SWRCB - Storm Water permit	1,632
APCD - SEEPS standby generator permit	205
7130 PUBLIC INFORMATION	\$ 7,000
Resource Sharing Contract with VWD	7,000
7310 SAFETY & MEDICAL SERVICES	\$ 26,000
Safety Consulting	7,500
<i>IH services for Heat Drying operations, Ergonomic assessments, SLT suggestions</i>	
Fire Extinguisher Service	7,500
Physicals	4,000
<i>Increase in number and cost of pre-employment physicals</i>	
Respiratory Fit Tests	2,500
Vaccination Program	2,000
<i>Increase in cost</i>	
Hearing Annual Audiograms	2,000
First Aid Cabinet Restock	500

22001 EWPCF OPERATIONS

continued

7320 SAFETY EQUIPMENT	\$ 91,750
Safety supplies <i>heat dryer vacuum parts, gloves for RTO, ergonomics, label tape, escape pack</i>	35,000
Safety shoes	16,500
Safety equipment <i>SLT inspection items, safety suggestion ideas</i>	9,000
Safety prescription eyewear <i>increase in participants (12-16)</i>	6,400
Portable eyewash station and replacement cartridges <i>Cartridge expiration 2016</i>	4,500
Gas detector and sensor replacement	3,000
Lock out/out of service tags and locks <i>Increase in use of out of service tags per Lock out standard</i>	3,000
Calibration gas for gas detectors	2,500
Fall protection replacement and repair <i>harness lanyards and SRL</i>	2,500
SLT incentive program	2,400
Lone worker program <i>additional units and annual service</i>	2,250
Emergency response trailer supplies and restock	2,000
Respirator supplies non-stocked	1,500
AED replacement parts <i>New pads required. Pads expire 2016</i>	1,200
7330 SPECIALTY SERVICES	\$ 1,250
ORF Carbon Testing and Evaluation <i>APCD required annual carbon testing</i>	1,250
7611 HAZWOPER TRAINING	\$ 6,875
Required annual training	6,875
7616 FIRST AID TRAINING	\$ 3,300
CPR First Aid Recertification (biennial even years) <i>Refresher training; Ops/ M/ EC employees (even years)</i>	3,300
7617 SAFETY OTHER	\$ 6,325
Additonal safety training, Hazard Communication labeling, safety signage, fire extinguisher replacement, Railroad training	6,325
7620 CONTINGENCY	\$ 250,000
	250,000

23001 EWPCF MAINTENANCE

\$ 847,987

5410 CHEMICALS	\$ 7,800
Maintenance Chemicals	5,000
Admin Building Chiller Chemicals	2,800
<i>Annual Chiller Maintenance Chemicals</i>	
5530 CORROSION PROTECTION	\$ 4,000
Corrosion/Coatings, Plant Piping & Equipment	4,000
5910 EQUIPMENT RENTAL	\$ 8,000
Tools, Equipment, Pump, Compressor	8,000
6120 FUEL & LUBRICANTS	\$ 22,602
Equipment Lubricants	8,850
<i>50 cartridges @ \$177/ea</i>	
Equipment Oil	6,600
<i>4,400 gal @ \$1.50 per gal</i>	
Unleaded Fuel	5,999
<i>1,333 gal @ \$4.50 per gal</i>	
Diesel Fuel - Forklift/Cleaner/Mobile Tanks	595
<i>128 gal @ \$4.65 per gal</i>	
Bio-Solids Vehicle - Diesel Fuel	358
<i>77 gal @ \$4.65 per gal</i>	
Bio-Solids Vehicle - Lubricants	100
Vehicle Lubricants	100
6230 JANITORIAL	\$ 60,000
Janitorial Services	46,000
<i>increase cost due to raising labor cost from the contractor.</i>	
Janitorial Supplies	10,500
Window Cleaning Services	3,500
6410 LAUNDRY & UNIFORMS	\$ 17,318
Uniforms	16,068
<i>New contract with Prudential. Cost per week is \$309.</i>	
Towels, Mats & Replacement	1,250

23001 EWPCF MAINTENANCE

continued

6424 INFORMATION SYSTEMS	\$ 239,867
Software Support Renewal	56,733
<i>Added support for EMC San renewal \$1600 and Microsoft Server licensing \$3000 and an additional \$8864 for licensing on Laserfiche improvements completed as part of Doc Management Master plan reorganization. Rockwell Automation support \$26,000</i>	
ERP Support/Renewal	54,500
<i>\$2500 annual increase each year.</i>	
Internet & SCADA bandwidth	28,908
<i>annual internet connection bandwidth at 20mb annual rate increase by \$2500</i>	
LIMS Service Agreement	17,000
SCADA System Support Services	15,000
<i>Increase due to limited SCADA qualified staff. Greater need anticipated.</i>	
Telemetry Lines Bandwidth	13,500
<i>Data traffic of remotes stations</i>	
WIMS Support	12,426
<i>Provides support services for EWA's WIMS database.</i>	
Phone System Support Renewal	8,000
<i>Support and warranty contract extensions for facility phone equipment and software.</i>	
Monthly charge for Radio licensing and usage	7,800
Cisco Device Warranty & Technical Support	7,000
<i>Support & Warranty Contract extensions for critical facility communications equipment. increase due to updated firewalls and costs associated.</i>	
Domain Virus Protection	4,500
<i>Annual support renewal for network protection against viruses.</i>	
Veeam Backup Software for VM Servers	4,500
<i>Software to allow backup of Virtual servers.</i>	
Information System Support	3,000
Intrusion Prevention Sensor Support	3,000
<i>Inbound connections protection, attack signature updates from Cisco.</i>	
Computer Hardware Repair	2,500
New & Replacement Hardware	1,500
<i>We are out of phones and need to have these spares in stock in order to serve the comm network. Phones need to be replaced.</i>	
6510 REPAIR MAINT MOBILE	\$ 15,400
Electric Carts, Portable Equipment Maint & Repair	10,000
Forklift & Crane Truck Repair	5,000
Portable Pump Maintenance	400
6710 EQUIPMENT NEW	\$ 7,000
Electrical Test Equipment	5,000
New Equipment - Batteries for mobile and handheld power tools	2,000
6730 REPAIR MAINT NON SPECIFIC	\$ 62,000
Plant Treatment Equipment & Hardware	40,000
General Building Materials	12,000
General Maintenance Parts & Materials	10,000

23001 EWPCF MAINTENANCE

continued

6930 REPAIR MAINT ELECTRIC PIPE	\$ 83,000
Motor Repairs	30,000
Piping, Cabling, and Electrical	24,000
Auxiliary Controllers and transmitter repair	20,000
Replace MCC Contracts & Overload Blocks	5,000
Lighting Repair	4,000
<i>Increased number of faulting lights</i>	
6940 REPAIR MAINT PLANNED	\$ 95,000
PM related supplies - Primary	17,000
PM related supplies - Heat Dryer	17,000
PM related supplies - Headwork	15,000
PM related supplies - Admin	11,000
PM related supplies - Effluent	9,500
PM related supplies - Digester	9,000
PM related supplies - Secondaries	9,000
PM related supplies - DAF Tank	5,000
PM related supplies - Maintenance Bldg	1,000
PM related supplies - Backflow & Check Valve	1,000
PM related supplies - Warehouse Bldg	500
7010 PLANT CONTRACTS	\$ 124,600
Site Security	32,500
<i>50% to Operating and the other 50% to Capital</i>	
Landscape Services	30,000
Jetter Services	12,000
Garbage Disposal	10,000
Plant Vehicle Repair & Maint.	9,900
Water Softener Service	7,300
Off-Site Weed Abatement	7,200
<i>South parcel will need to be cut 3 times this up coming year due to rains this past winter</i>	
Fire System Monitoring and Inspection	5,300
Pest Control	4,400
<i>Increase due to addition of pest control and spraying throughout plant.</i>	
Elevator Service	4,000
<i>increased labor rate for elevator maintenance</i>	
Back Flow Certifications	2,000

23001 EWPCF MAINTENANCE

continued

7330 SPECIALTY SERVICES	\$ 95,100
Meter Service & Calibration	29,000
AHU & Chiller Service & Boiler Repair	14,000
<i>Corrosion Control - Impurity Removal from Refrigerant and adding Boiler Maintenance including a tune up which has never occurred.</i>	
VFD & Instrumentation Service & Repair	12,000
<i>To support the variety of drives throughout the plant</i>	
Hazmat Disposal	12,000
Heat Dry Gas Detector Sensor	8,000
<i>Replacement for all sensors in Heat Dry. Process shows more condensation and damages sensors quicker.</i>	
Gate & Door Maintenance	5,000
Irrigation system maintenance	3,500
HVAC Controls Support	2,500
<i>These repairs include IT Service for hardware and monitoring devices.</i>	
Repair & Test Electrical Equipment	2,000
Powder Coating/Galvanizing Services	2,000
Roll-up Doors and Services	2,000
Biosolids Loadout Scale Calibration and Certification	1,250
Toxic gas sensors detectors	1,000
Hydrogen Sulfide Monitor Calibration	850
<i>Used for odor investigations</i>	
7510 TOOLS	\$ 6,300
Fabrication Shop Consumables, Tool Repair/Replacement	6,300

24001 EWPCF OUTFALL

\$ 250,407

6730 REPAIR MAINT NON SPECIFIC	\$ 1,500
Outfall Equipment & Related Hardware	1,500
6810 OCEAN MONITORING	\$ 15,000
Ocean Monitoring Contract	15,000
<i>Monthly Offshore Monitoring and Annual Report to EWA Board. Lower costs than anticipated with signing of two year contract.</i>	
6911 EFFLUENT TESTING	\$ 19,500
NPDES Required Testing.	19,500
<i>Monthly, Quarterly, Semi-annually, and Annually. In addition required to perform three species screen for chronic toxicity.</i>	
6920 PERMITS	\$ 187,407
SWRCB - NPDES permit	187,057
CSLC - Wastewater Outfall lease	350
6940 REPAIR MAINT PLANNED	\$ 2,000
PM related supplies - Effluent	2,000
7330 SPECIALTY SERVICES	\$ 25,000
NPDES 5 year permit renewal consulting	25,000

ENVIRONMENTAL COMPLIANCE & REGIONAL SOURCE CONTROL

The EWPCF discharges clean water to the Pacific Ocean via the Encina Ocean Outfall pursuant to a National Pollutant Discharge Elimination System (NPDES) Permit issued under the authority of the federal Clean Water Act (CWA). Another type of discharge regulated by the CWA is any discharge that goes directly to a publicly owned treatment works like the EWPCF. Such discharges to the EWPCF are regulated by EWA's Pretreatment Ordinance and are enforced by EWA in cooperation with the host Member Agency under authority derived from the federal CWA. The goal of Encina's Regional Source Control Program is to protect the EWPCF and PureGreen® from damage that may occur when hazardous, toxic, or other wastes are discharged into a Member Agency sewer system. The Source Control Program achieves this goal by: identifying regulated industries; conducting facility inspections; issuing wastewater discharge permits; sampling industrial discharges to determine compliance; taking enforcement in response to noncompliance; responding to Member Agency requests to perform investigations regarding non-routine discharges; and, conducting related public outreach activities.

Capacity – During FY 2016 staff expects that sixty (60) industries will be fully permitted while another 540 businesses will participate in EWA's Best Management Practices Program.

Cost Allocation – Personnel Expenses make up 71% of Source Control's budgeted expenses. Over 93% of personnel expenses are allocated to Member Agencies based on the actual level of effort by staff. Remaining personnel expenses and all Non-Personnel Expenses are allocated to the Member Agencies on the basis of Encina Ocean Outfall flows.



Public Outreach at Encinitas Environment Day

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OPERATING EXPENSE SUMMARY: SOURCE CONTROL

PERSONNEL

	Actual FY2014	Budget FY2015	Projected FY2015	Recommended FY2016	% Change
5100 Salaries	\$ 312,870	\$ 340,751	\$ 313,418	\$ 346,557	2%
5200 Benefits	\$ 120,965	\$ 150,907	\$ 118,805	\$ 156,921	4%
Total Personnel Expenses	\$ 433,835	\$ 491,658	\$ 432,222	\$ 503,478	2%

NON-PERSONNEL

	Actual FY2014	Budget FY2015	Projected FY2015	Recommended FY2016	% Change
40001 5520 Books	\$ -	\$ 500	\$ 250	\$ 250	-50%
40001 5930 Equipment Replacement	\$ 11,581	\$ 4,700	\$ 4,700	\$ 4,600	-2%
40001 6120 Fuel & Lube	\$ 1,521	\$ 2,250	\$ 1,500	\$ 2,250	0%
40001 6310 Lab Equipment Repair	\$ 3,335	\$ 5,650	\$ 4,650	\$ 4,925	-13%
40001 6410 Laundry & Uniforms	\$ 1,000	\$ 1,400	\$ 1,400	\$ 1,560	11%
40001 6422 Legal Notices	\$ 665	\$ 2,250	\$ 750	\$ 750	-67%
40001 6450 Professional Services	\$ 2,800	\$ 5,000	\$ -	\$ -	-100%
40001 7120 Printing & Reproduction	\$ 86	\$ 500	\$ 500	\$ 500	0%
40001 7130 Public Information	\$ 2,067	\$ 4,000	\$ 4,000	\$ 4,000	0%
Total Non-Personnel Expenses	\$ 23,056	\$ 26,250	\$ 17,750	\$ 18,835	-28%

INTERNAL SERVICE FUNDS

	Actual FY2014	Budget FY2015	Projected FY2015	Recommended FY2016	% Change
11001 Administration	\$ 83,600	\$ 69,216	\$ 74,260	\$ 97,717	41%
12001 Laboratory	\$ 121,815	\$ 118,622	\$ 118,247	\$ 117,041	-1%
13001 Energy Management	\$ 1,903	\$ 1,979	\$ 1,943	\$ -	-100%
Total Internal Service Fund Expenses	\$ 207,318	\$ 189,816	\$ 194,451	\$ 214,758	13%
Total Operating Expenses	\$ 664,209	\$ 707,724	\$ 644,423	\$ 737,071	4%

40001 SOURCE CONTROL

\$ 18,835

5520 BOOKS

\$ 250

Manuals, Codes & Reference Material

250

*FY 2016 request reduced due to numerous reference materials now available online.***5930 EQUIPMENT REPLACEMENT**

\$ 4,600

ISCO autosampler

3,700

Replacement of one ISCO autosampler > 10 years old.

pH Probes

600

Replacement probes for pH meters used by inspectors.

Autosampler batteries

300

*Replacement of one autosampler batteries > 10 years old.***6120 FUEL & LUBRICANTS**

\$ 2,250

Unleaded Fuel

2,250

*500 gal @ \$4.50 per gal***6310 LAB EQUIPMENT REPAIR**

\$ 4,925

LINKO Service Agreement

2,525

Deionized Water Services

1,200

Service and rental of the deionized water system in the Sampling Room. Projected reduction based on previous years actual charges.

Sampler Repair

1,200

6410 LAUNDRY & UNIFORMS

\$ 1,560

Uniform Rental & Cleaning Services

1,560

*New contract with Prudential. Cost per week is \$30.00***6422 LEGAL NOTICES**

\$ 750

Ordinance & Permit Required Notices

750

*The two legal notices anticipated for PTO modifications associated with the acceptance of grease are not required. One legal notice required for SNC notification.***7120 PRINTING & REPRODUCTION**

\$ 500

Guidelines, Permits, Forms & Labels

500

*Gold Awards printing, framing, invitations, placards & statues.***7130 PUBLIC INFORMATION**

\$ 4,000

Industrial User Recognition

2,500

Gold Awards Banquet (tables, catering, center pieces, etc).

Public Education

1,500

REMOTE FACILITIES

AGUA HEDIONDA PUMP STATION

The Agua Hedionda Pump Station (AHPS) is part of the Encina Joint Sewerage System and is operated by EWA under a contract with the owner agencies. The AHPS is jointly owned by the City of Vista and the City of Carlsbad. This pump station is located on the southeast shore of the Agua Hedionda Lagoon.

Capacity – The AHPS, which is equipped with four (4) pumps rated at 8,000 gallons per minute, is operated 365 days a year on a 24 hour-a-day basis.

Cost Allocation – The costs of operating and maintaining the AHPS are allocated to the City of Vista (69.1%) and the City of Carlsbad (30.9%) in accordance with the February 2011 Memorandum of Understanding.

BUENA VISTA PUMP STATION

The Buena Vista Pump Station (BVPS) is part of the Encina Joint Sewerage System and is operated by EWA under a contract with the owner agencies. The BVPS is jointly owned by the City of Vista and the City of Carlsbad. This pump station is located on the southwest shores of the Buena Vista Lagoon.

Capacity – The BVPS, which is equipped with four (4) pumps rated at 11,000 gallons per minute, is operated 365 days a year on a 24 hour-a-day basis.

Cost Allocation – The costs of operating and maintaining the BVPS are allocated to the City of Vista (89.6%) and the City of Carlsbad (10.4%) in accordance with the February 2011 Memorandum of Understanding.



Buena Vista Pump Station

REMOTE FACILITIES (cont.)

BUENA CREEK PUMP STATION

The Buena Creek Pump Station (BCPS) is owned by the Buena Sanitation District (BSD). This pump station is located approximately two miles north of Palomar Airport Road and 1/8 mile east of Melrose Drive.

Capacity – The BCPS, which is equipped with five (5) pumps rated at 4,500 gallons per minute, is operated 365 days a year on a 24 hour-a-day basis.

Cost Allocation – The BCPS is operated by EWA under a contract with the BSD. 100% of the costs for operating and maintaining the BCPS are allocated to the BSD in accordance with the July 1998 Memorandum of Understanding.

CARLSBAD WATER RECYCLING FACILITY

The Carlsbad Water Reclamation Facility (CWRF) is owned by the City of Carlsbad and located on nine (9) acres directly adjacent to the southwest border of the EWPCF.

Capacity – The CWRF can recycle up to 4.0 MGD of secondary effluent produced at the EWPCF via filtration and disinfection. Filtrate product water is conveyed throughout the City for irrigation purposes.

Cost Allocation – The CWRF is operated and maintained by EWA. 100% of the costs for operating and maintaining the CWRF are paid by the City of Carlsbad in accordance with the May 2005 Memorandum of Understanding. Recommended expenses are based on the expected recycled water production volume. Actual expenditures will reflect the actual volume of recycled water production.



Carlsbad Water Recycling Facility

REMOTE FACILITIES (cont.)

RACEWAY BASIN PUMP STATION

Overview – The Raceway Basin Pump Station (RBPS) is owned by the City of Vista. This pump station is located approximately 1/2 mile north of Palomar Airport Road and 1/8 mile west of Melrose Drive.

Capacity – The RBPS, which is equipped with 3 pumps rates at 1,350 gallons per minute, is operated 365 days a year on a 24 hour-a-day basis.

Cost Allocation – The RBPS is operated by EWA under a contract with the City of Vista. 100% of the costs for operating and maintaining the RBPS are allocated to the City of Vista in accordance with the February 2006 Memorandum of Understanding.



Buena Vista Lagoon

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OPERATING EXPENSE SUMMARY: AGUA HEDIONDA PUMP STATION

PERSONNEL

	Actual FY2014	Budget FY2015	Projected FY2015	Recommended FY2016	% Change
5100 Salaries	\$ 92,740	\$ 97,994	\$ 89,396	\$ 99,380	1%
5200 Benefits	\$ 40,191	\$ 46,733	\$ 39,952	\$ 46,811	0%
Total Personnel Expenses	\$ 132,931	\$ 144,728	\$ 129,348	\$ 146,190	1%

NON-PERSONNEL

	Actual FY2014	Budget FY2015	Projected FY2015	Recommended FY2016	% Change
31001 5431 Water	\$ 8,630	\$ 9,356	\$ 9,036	\$ 10,188	9%
31001 5435 Electricity	\$ 67,951	\$ 73,505	\$ 81,915	\$ 82,564	12%
31001 5910 Equipment Rental	\$ -	\$ 200	\$ 200	\$ 1,000	400%
31001 6120 Fuel & Lube	\$ 3,336	\$ 3,482	\$ 3,482	\$ 3,482	0%
31001 6410 Laundry & Uniforms	\$ 260	\$ 250	\$ 250	\$ 312	25%
31001 6730 Repair Maint Non Specific	\$ 2,460	\$ 2,500	\$ 2,500	\$ 2,500	0%
31001 6920 Permits	\$ 1,768	\$ 2,588	\$ 2,588	\$ 2,588	0%
31001 6930 Repair Maint Electric Pipe	\$ 2,050	\$ 3,500	\$ 3,500	\$ 3,500	0%
31001 6940 Repair Maint Planned	\$ 1,245	\$ 8,500	\$ 8,500	\$ 8,500	0%
31001 7010 Plant Contracts	\$ 2,900	\$ 2,700	\$ 2,700	\$ 2,700	0%
31001 7320 Safety Equipment	\$ 172	\$ 700	\$ 700	\$ 800	14%
31001 7330 Specialty Services	\$ 5,790	\$ 11,650	\$ 11,550	\$ 11,550	-1%
Total Non-Personnel Expenses	\$ 96,562	\$ 118,931	\$ 126,921	\$ 129,684	9%

INTERNAL SERVICE FUNDS

	Actual FY2014	Budget FY2015	Projected FY2015	Recommended FY2016	% Change
11001 Administration	\$ 39,557	\$ 40,900	\$ 43,881	\$ 44,830	10%
Total Internal Service Fund Expenses	\$ 39,557	\$ 40,900	\$ 43,881	\$ 44,830	10%

Total Operating Expenses	\$ 269,050	\$ 304,559	\$ 300,150	\$ 320,703	5%
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OPERATING EXPENSE SUMMARY: BUENA VISTA PUMP STATION

PERSONNEL

	Actual FY2014	Budget FY2015	Projected FY2015	Recommended FY2016	% Change
5100 Salaries	\$ 91,885	\$ 97,107	\$ 89,419	\$ 98,527	1%
5200 Benefits	\$ 39,061	\$ 46,292	\$ 39,518	\$ 46,383	0%
Total Personnel Expenses	\$ 130,946	\$ 143,399	\$ 128,938	\$ 144,910	1%

NON-PERSONNEL

	Actual FY2014	Budget FY2015	Projected FY2015	Recommended FY2016	% Change
32001 5431 Water	\$ 6,011	\$ 3,820	\$ 3,237	\$ 2,655	-30%
32001 5435 Electricity	\$ 163,239	\$ 173,433	\$ 189,530	\$ 190,152	10%
32001 5910 Equipment Rental	\$ 300	\$ 300	\$ 300	\$ 300	0%
32001 6120 Fuel & Lube	\$ 5,552	\$ 4,826	\$ 4,826	\$ 4,826	0%
32001 6410 Laundry & Uniforms	\$ 260	\$ 250	\$ 250	\$ 312	25%
32001 6730 Repair Maint Non Specific	\$ 2,923	\$ 3,000	\$ 3,000	\$ 3,000	0%
32001 6920 Permits	\$ 1,721	\$ 2,541	\$ 2,541	\$ 2,541	0%
32001 6930 Repair Maint Electric Pipe	\$ 4,705	\$ 5,000	\$ 5,000	\$ 5,000	0%
32001 6940 Repair Maint Planned	\$ 4,913	\$ 7,000	\$ 7,000	\$ 7,000	0%
32001 7010 Plant Contracts	\$ 2,900	\$ 3,200	\$ 3,200	\$ 3,200	0%
32001 7320 Safety Equipment	\$ 276	\$ 1,015	\$ 700	\$ 1,000	-1%
32001 7330 Specialty Services	\$ 13,767	\$ 21,850	\$ 15,750	\$ 15,750	-28%
Total Non-Personnel Expenses	\$ 206,567	\$ 226,234	\$ 235,334	\$ 235,735	4%

INTERNAL SERVICE FUNDS

	Actual FY2014	Budget FY2015	Projected FY2015	Recommended FY2016	% Change
11001 Administration	\$ 57,500	\$ 58,729	\$ 63,009	\$ 57,623	-2%
Total Internal Service Fund Expenses	\$ 57,500	\$ 58,729	\$ 63,009	\$ 57,623	-2%

Total Operating Expenses	\$ 395,013	\$ 428,362	\$ 427,280	\$ 438,268	2%
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OPERATING EXPENSE SUMMARY: BUENA CREEK PUMP STATION

PERSONNEL

	Actual FY2014	Budget FY2015	Projected FY2015	Recommended FY2016	% Change
5100 Salaries	\$ 95,988	\$ 100,836	\$ 88,298	\$ 102,150	1%
5200 Benefits	\$ 41,050	\$ 48,082	\$ 39,203	\$ 47,849	0%
Total Personnel Expenses	\$ 137,038	\$ 148,918	\$ 127,501	\$ 149,999	1%

NON-PERSONNEL

	Actual FY2014	Budget FY2015	Projected FY2015	Recommended FY2016	% Change
37001 5431 Water	\$ 2,606	\$ 2,695	\$ 2,546	\$ 2,704	0%
37001 5435 Electricity	\$ 100,550	\$ 97,881	\$ 116,083	\$ 116,628	19%
37001 6120 Fuel & Lube	\$ 3,658	\$ 4,077	\$ 4,077	\$ 4,077	0%
37001 6410 Laundry & Uniforms	\$ 260	\$ 250	\$ 250	\$ 312	25%
37001 6710 Equipment New	\$ 131	\$ 500	\$ 500	\$ 500	0%
37001 6730 Repair Maint Non Specific	\$ 510	\$ 2,000	\$ 2,000	\$ 2,000	0%
37001 6920 Permits	\$ 1,612	\$ 2,853	\$ 2,853	\$ 2,853	0%
37001 6930 Repair Maint Electric Pipe	\$ 2,353	\$ 5,000	\$ 5,000	\$ 5,000	0%
37001 6940 Repair Maint Planned	\$ 2,181	\$ 4,000	\$ 4,000	\$ 4,000	0%
37001 7010 Plant Contracts	\$ -	\$ -	\$ -	\$ 1,500	0%
37001 7320 Safety Equipment	\$ 183	\$ 700	\$ 700	\$ 700	0%
37001 7330 Specialty Services	\$ 4,869	\$ 20,150	\$ 18,650	\$ 18,650	-7%
Total Non-Personnel Expenses	\$ 118,913	\$ 140,106	\$ 156,659	\$ 158,924	13%

INTERNAL SERVICE FUNDS

	Actual FY2014	Budget FY2015	Projected FY2015	Recommended FY2016	% Change
11001 Administration	\$ 41,188	\$ 41,949	\$ 45,006	\$ 45,726	9%
Total Internal Service Fund Expenses	\$ 41,188	\$ 41,949	\$ 45,006	\$ 45,726	9%

Total Operating Expenses	\$ 297,139	\$ 330,973	\$ 329,167	\$ 354,649	7%
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OPERATING EXPENSE SUMMARY: CARLSBAD WATER RECYCLING FACILITY

		Actual	Budget	Projected	Recommended	%
		FY2014	FY2015	FY2015	FY2016	Change
PERSONNEL						
5100	Salaries	\$ 205,992	\$ 284,355	\$ 297,603	\$ 287,466	1%
5200	Benefits	\$ 87,962	\$ 139,628	\$ 128,516	\$ 141,675	1%
Total Personnel Expenses		\$ 293,954	\$ 423,983	\$ 426,120	\$ 429,141	1%
NON-PERSONNEL						
		Actual	Budget	Projected	Recommended	%
		FY2014	FY2015	FY2015	FY2016	Change
38001	5394 Caustic Membrane Filtration	\$ 616	\$ 4,200	\$ 4,200	\$ 4,200	0%
38001	5395 Citric Acid	\$ 923	\$ 2,775	\$ 2,775	\$ 2,775	0%
38001	5407 Sodium Hypochlorite	\$ 56,406	\$ 69,552	\$ 70,366	\$ 72,576	4%
38001	5409 Dewatering Polymer	\$ -	\$ 9,765	\$ -	\$ -	-100%
38001	5410 Chemicals	\$ 557	\$ -	\$ -	\$ -	0%
38001	5435 Electricity	\$ 93,942	\$ 111,645	\$ 116,787	\$ 121,973	9%
38001	5530 Corrosion Protection	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	0%
38001	5910 Equipment Rental	\$ -	\$ 1,500	\$ 1,500	\$ 1,500	0%
38001	6120 Fuel & Lube	\$ 2,157	\$ 1,934	\$ 1,934	\$ 1,934	0%
38001	6230 Janitorial	\$ 1,761	\$ 2,100	\$ 2,100	\$ 2,100	0%
38001	6410 Laundry & Uniforms	\$ 780	\$ 1,100	\$ 1,100	\$ 1,236	12%
38001	6424 Information Systems	\$ 3,809	\$ 4,000	\$ 4,000	\$ 4,000	0%
38001	6730 Repair Maint Non Specific	\$ 6,857	\$ 8,000	\$ 8,000	\$ 8,000	0%
38001	6920 Permits	\$ 16,308	\$ 16,406	\$ 17,291	\$ 17,291	5%
38001	6930 Repair Maint Electric Pipe	\$ 6,429	\$ 4,000	\$ 4,000	\$ 4,000	0%
38001	6940 Repair Maint Planned	\$ 18,632	\$ 23,800	\$ 23,800	\$ 23,800	0%
38001	7010 Plant Contracts	\$ 860	\$ 7,050	\$ 7,050	\$ 7,050	0%
38001	7320 Safety Equipment	\$ 454	\$ 1,200	\$ 1,200	\$ 1,200	0%
38001	7330 Specialty Services	\$ 9,711	\$ 21,200	\$ 21,050	\$ 21,050	-1%
38001	7510 Tools	\$ 473	\$ 500	\$ 500	\$ 500	0%
Total Non-Personnel Expenses		\$ 221,676	\$ 291,727	\$ 288,653	\$ 296,185	2%
INTERNAL SERVICE FUNDS						
		Actual	Budget	Projected	Recommended	%
		FY2014	FY2015	FY2015	FY2016	Change
11001	Administration	\$ 108,345	\$ 111,165	\$ 119,266	\$ 128,423	16%
12001	Laboratory	\$ 26,524	\$ 25,828	\$ 25,747	\$ 25,484	-1%
Total Internal Service Fund Expenses		\$ 134,869	\$ 136,993	\$ 145,013	\$ 153,907	12%
Total Operating Expenses		\$ 650,499	\$ 852,703	\$ 859,785	\$ 879,232	3%

OPERATING EXPENSE SUMMARY: RACEWAY BASIN PUMP STATION

		Actual	Budget	Projected	Recommended	%
		FY2014	FY2015	FY2015	FY2016	Change
PERSONNEL						
5100	Salaries	\$ 67,780	\$ 73,900	\$ 63,426	\$ 75,135	2%
5200	Benefits	\$ 28,990	\$ 36,103	\$ 28,879	\$ 35,979	0%
Total Personnel Expenses		\$ 96,770	\$ 110,004	\$ 92,305	\$ 111,115	1%
NON-PERSONNEL						
		Actual	Budget	Projected	Recommended	%
		FY2014	FY2015	FY2015	FY2016	Change
39001	5431 Water	\$ 542	\$ 567	\$ 534	\$ 575	1%
39001	5435 Electricity	\$ 21,936	\$ 21,834	\$ 25,289	\$ 25,341	16%
39001	5445 Telephone	\$ -	\$ 600	\$ 600	\$ 600	0%
39001	5910 Equipment Rental	\$ -	\$ 300	\$ 300	\$ 300	0%
39001	6120 Fuel & Lube	\$ 2,760	\$ 4,376	\$ 4,376	\$ 4,376	0%
39001	6410 Laundry & Uniforms	\$ 260	\$ 250	\$ 250	\$ 312	25%
39001	6710 Equipment New	\$ 216	\$ 250	\$ 250	\$ 250	0%
39001	6730 Repair Maint Non Specific	\$ 1,025	\$ 2,000	\$ 2,000	\$ 2,000	0%
39001	6920 Permits	\$ 1,610	\$ 2,097	\$ 2,097	\$ 2,097	0%
39001	6930 Repair Maint Electric Pipe	\$ 1,867	\$ 2,000	\$ 2,000	\$ 2,000	0%
39001	6940 Repair Maint Planned	\$ 5	\$ 3,000	\$ 3,000	\$ 3,000	0%
39001	7010 Plant Contracts	\$ 1,450	\$ 2,250	\$ 2,250	\$ 2,250	0%
39001	7320 Safety Equipment	\$ 189	\$ 650	\$ 650	\$ 650	0%
39001	7330 Specialty Services	\$ 5,322	\$ 18,250	\$ 12,150	\$ 12,150	-33%
Total Non-Personnel Expenses		\$ 37,182	\$ 58,424	\$ 55,746	\$ 55,901	-4%
INTERNAL SERVICE FUNDS						
		Actual	Budget	Projected	Recommended	%
		FY2014	FY2015	FY2015	FY2016	Change
11001	Administration	\$ 24,264	\$ 24,121	\$ 25,878	\$ 29,010	20%
Total Internal Service Fund Expenses		\$ 24,264	\$ 24,121	\$ 25,878	\$ 29,010	20%
Total Operating Expenses		\$ 158,216	\$ 192,549	\$ 173,930	\$ 196,025	2%

INTERNAL SERVICE FUNDS

Internal Service Funds (ISFs) make categorical and overhead charges to operating and capital programs. Categorical charges are costs incurred by the ISF that are directly attributable to a particular operating or capital program the ISF supports. Overhead charges are costs incurred by the ISF that support more than one operating or capital program. EWA's budget reflects three ISFs: (1) Administration; (2) Laboratory; and, (3) Energy Management. The existence of these ISFs traces back to the 1998 EWA Staffing Reorganization and management's effort to distinguish between costs required to ensure public health, produce effluent water compliant with NPDES Permit standards, and maintain the associated Encina Joint System infrastructure from costs associated with administering the Encina Joint System that could be taken on by a Member Agency or a third party administrator (Administration), permit compliance activities that could be contracted out (Laboratory), and power that could be purchased from San Diego Gas & Electric (Energy Management).

Administration – The Administration Internal Service Fund provides professional support services to EWA's Board of Directors, as well as all Operating and Capital Programs.

Laboratory – The Laboratory Internal Service Fund is responsible for monitoring and reporting activities required by: (1) EWA's National Pollutant Discharge Elimination System (NPDES) Permit; (2) permits related to facilities operated and maintained by EWA staff; (3) EWA's Storm Water Permit; and, (4) permits and contracts related to biosolids use. The Laboratory is also responsible for management of EWA's Joint Flow Metering System (JFMS), as well as the sampling and data compilation elements of EWA's Financial Plan and Revenue Program. In fiscal year 2014 the Laboratory generated \$207,365 in revenue through lab services contracts.

Energy Management – The Energy Management Internal Service Fund utilizes the EWPCF's power production and heat exchange facilities to maximize the beneficial reuse of digester gas produced in the wastewater treatment process thus minimizing the amount of energy EWA must purchase to operate the EWPCF.

Cost Allocation – All ISF costs and revenues are allocated internally to one or more Operating or Capital program on the basis of use. Each Operating and Capital program has its own cost allocation that apportions its net costs the Member Agencies.

Capacity – Administration plans and executes EWA's business, asset management, and financial plans; provides treasury and accountancy management; is responsible for required and supplemental financial reporting; administers all human resources functions, employee benefits, professional development, and other "Employer of Choice" initiatives; and, supports EWA's governance activities. EWA's Laboratory, which is certified by the State of California's Environmental Laboratory Accreditation Program, analyzes over 32,000 samples per year including process control, plant influent and effluent, biosolids, industrial user samples, ocean water, storm water, and drinking water. A portion of the analyses is completed under contract for EWA's member agencies, which should generate approximately \$200,000 in annual revenue, offsetting expense. EWPCF's Energy Management facilities generate over 12 million kilowatt hours of green electricity per year from biogas thus providing more than 75% of the electricity required to operate the EWPCF. EWA is a member of the Environmental Protection Agency's Green Power Partnership and has been ranked in the Top 20 of the Green Power Leadership Club for On-Site Generation since 2011.



Testing Digester Alkalinity

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OPERATING EXPENSE SUMMARY: INTERNAL SERVICE FUNDS

		Actual	Budget	Projected	Recommended	%
		FY2014	FY2015	FY2015	FY2016	Change
5100	Salaries	\$ 1,401,580	\$ 1,454,551	\$ 1,559,248	\$ 1,482,974	2%
5200	Benefits	\$ 635,123	\$ 697,487	\$ 702,959	\$ 738,525	6%
Total Personnel Expenses		\$ 2,036,703	\$ 2,152,038	\$ 2,262,207	\$ 2,221,499	3%

		Actual	Budget	Projected	Recommended	%
		FY2014	FY2015	FY2015	FY2016	Change
11001 5445	Telephone	\$ 67,260	\$ 44,124	\$ 55,344	\$ 50,160	14%
11001 5510	Advertising	\$ 5,871	\$ 2,922	\$ 2,922	\$ 4,336	48%
11001 5810	Employee Recognition	\$ 7,896	\$ 8,510	\$ 9,001	\$ 8,510	0%
11001 5920	Equipment Repair Maint	\$ 22,917	\$ 23,350	\$ 23,350	\$ 26,280	13%
11001 6210	Independent Auditor/Actuary	\$ 25,000	\$ 30,500	\$ 28,542	\$ 30,500	0%
11001 6220	Insurance	\$ 187,604	\$ 245,235	\$ 235,613	\$ 244,920	0%
11001 6420	Legal Services	\$ 40,250	\$ 87,225	\$ 45,123	\$ 87,225	0%
11001 6430	Memberships	\$ 104,673	\$ 67,258	\$ 86,058	\$ 76,361	14%
11001 6440	Mileage Reimbursement	\$ 5,944	\$ 3,000	\$ 4,802	\$ 4,800	60%
11001 6450	Professional Services	\$ 223,096	\$ 237,650	\$ 288,550	\$ 276,300	16%
11001 6830	Materials & Supplies	\$ 20,739	\$ 25,919	\$ 24,158	\$ 27,240	5%
11001 7110	Postage	\$ 4,502	\$ 6,393	\$ 7,584	\$ 6,393	0%
11001 7120	Printing & Reproduction	\$ 3,151	\$ 3,400	\$ 3,502	\$ 3,400	0%
11001 7320	Safety Equipment	\$ 81	\$ -	\$ -	\$ -	0%
11001 7410	Subscriptions	\$ 239	\$ 1,240	\$ 565	\$ 1,240	0%
11001 7610	Professional Development	\$ 120,580	\$ 103,000	\$ 152,007	\$ 119,354	16%
12001 5520	Books	\$ 287	\$ 500	\$ 450	\$ 500	0%
12001 6120	Fuel & Lube	\$ 1,568	\$ 788	\$ 350	\$ 563	-29%
12001 6310	Lab Equipment Repair	\$ 45,152	\$ 30,166	\$ 29,050	\$ 28,850	-4%
12001 6320	Lab Minor Equip Replace	\$ 11,452	\$ 10,800	\$ 12,300	\$ 12,300	14%
12001 6330	Lab Supplies	\$ 63,246	\$ 67,800	\$ 67,800	\$ 70,000	3%
12001 6410	Laundry & Uniforms	\$ 3,120	\$ 3,300	\$ 3,300	\$ 3,952	20%
12001 6450	Professional Services	\$ 5,328	\$ 6,000	\$ 6,000	\$ 6,000	0%
12001 6810	Ocean Monitoring	\$ 85,853	\$ -	\$ -	\$ -	0%
12001 6910	Outside Analysis	\$ 4,498	\$ 25,000	\$ 25,000	\$ 25,000	0%
12001 6911	Effluent Testing	\$ 23,891	\$ 9,000	\$ 2,000	\$ 2,000	-78%
12001 6912	Biosolids Testing	\$ 8,165	\$ 8,750	\$ 8,750	\$ 11,250	29%
12001 6913	Industrial User Testing	\$ 39,611	\$ 30,000	\$ 30,000	\$ 30,000	0%
12001 6920	Permits	\$ 8,267	\$ 8,000	\$ 7,063	\$ 8,750	9%
12001 7120	Printing & Reproduction	\$ 245	\$ 500	\$ 500	\$ 500	0%
12001 7330	Specialty Services	\$ 9,179	\$ 12,250	\$ 12,250	\$ 26,750	118%
13001 5410	Chemicals	\$ 9,718	\$ 9,916	\$ 9,916	\$ 9,916	0%
13001 5435	Electricity	\$ 811,312	\$ 808,432	\$ 904,732	\$ 1,083,457	34%

continued →

NON-PERSONNEL EXPENSES (cont.)			Actual	Budget	Projected	Recommended	%
			FY2014	FY2015	FY2015	FY2016	Change
13001	5440	Natural Gas	\$ 726,439	\$ 677,692	\$ 522,749	\$ 571,266	-16%
13001	5520	Books	\$ 116	\$ 125	\$ -	\$ -	-100%
13001	6120	Fuel & Lube	\$ 25,954	\$ 29,500	\$ 29,500	\$ 29,500	0%
13001	6230	Janitorial	\$ 1,673	\$ 1,500	\$ 1,500	\$ 1,500	0%
13001	6410	Laundry & Uniforms	\$ 1,680	\$ 1,300	\$ 1,300	\$ 1,796	38%
13001	6730	Repair Maint Non Specific	\$ 15,785	\$ 20,000	\$ 20,000	\$ 20,000	0%
13001	6920	Permits	\$ 13,367	\$ 28,269	\$ 21,519	\$ 21,519	-24%
13001	6940	Repair Maint Planned	\$ 66,938	\$ 75,100	\$ 75,100	\$ 75,100	0%
13001	7330	Specialty Services	\$ 21,996	\$ 84,500	\$ 84,500	\$ 84,500	0%
13001	7510	Tools	\$ 975	\$ 1,500	\$ 1,500	\$ 1,500	0%
Total Non-Personnel Expenses			\$ 2,845,617	\$ 2,840,413	\$ 2,844,250	\$ 3,093,488	9%
Total Operating Expenses			\$ 4,882,320	\$ 4,992,451	\$ 5,106,458	\$ 5,314,987	6%

11001 ADMINISTRATION ISF	\$	967,019
5445 TELEPHONE	\$	50,160
Local & Long Distance		30,000
<i>Cal Net 3 pricing at \$2200/month plus long distance charges</i>		
Wireless Phone Service		20,160
<i>28 lines at \$60.00 per month per line</i>		
5510 ADVERTISING	\$	4,336
Recruitment Notices - Web Services		4,000
<i>craigslist.com; indeed.com; brown and caldwell</i>		
Bid Notices for Commodities and Services		336
5810 EMPLOYEE RECOGNITION	\$	8,510
Employee Recognition Events - Quarterly		8,510
5920 REPAIR MAINT EQUIP	\$	26,280
Monthly Copier Lease		18,360
<i>Total of six copiers</i>		
Monthly Usage Charges		7,800
SD County Annual Property Lease Tax		120
6210 INDEPENDENT AUDITOR/ACTUARY	\$	30,500
Annual Independent Financial		30,500
<i>Board approved 2 year contract extension with White Nelson Diehl Evans.</i>		
6220 INSURANCE	\$	244,920
Pooled General Liability		165,636
Property Insurance		73,408
Automobile Insurance		2,587
Employee Dishonesty		1,715
Officer Fidelity Bonds		1,575
<i>Hardy, Steinlicht, Biggs, Campbell, Parker (bank account signers)</i>		
6420 LEGAL SERVICES	\$	87,225
General & Labor Relations at \$285 per hour		81,225
Expert Services		6,000

11001 ADMINISTRATION ISF

continued

6430 MEMBERSHIPS	\$ 76,361
California Association Sanitation Agencies <i>Based on FY2015 membership dues</i>	15,600
National Association of Clean Water Agencies <i>Based on FY2015 membership dues.</i>	14,730
Southern California Alliance POTW <i>ADF 23 CY2014. (\$843 x 10adf)+(\$169*14adf)</i>	10,788
Water Environment Research Foundation	9,504
California Water Environment Association <i>Increased participation by staff members. 54 staff members at \$156.00.</i>	8,424
CleanTECH San Diego <i>Emerging Membership</i>	5,000
County Employment Relations <i>Liebert Cassidy Employment Relations - five days group training, attorney teleconf, newsletter</i>	2,900
Clean Water American Alliance	2,500
Bioenergy Association of California	2,500
Water Environment Federation <i>five memberships - Hardy, Steinlicht, Parker, Biggs, Kearns</i>	1,500
The Climate Registry	1,200
Municipal Information System <i>Memberships for the IT department</i>	645
California & Government Finance Association <i>2 memberships Steinlicht & Warchol</i>	320
Pacific Safety Council <i>fee based on 100 employee membership level</i>	255
Society for Human Resource Management	180
Costco <i>three memberships \$55 each</i>	165
California Special Districts Association <i>Local Section</i>	150
6440 MILEAGE REIMBURSEMENT	\$ 4,800
Mileage Reimbursements <i>IRS rate for 2015 is \$0.575 per mile. Mileage reimbursement occurs more in second half of FY due to increased professional development participation.</i>	4,800
6450 PROFESSIONAL SERVICES	\$ 276,300
Marketing and Community Engagement Plan <i>\$108K for Community Engagement \$4K for Social Media Outreach</i>	112,000
Financial Management and Accounting Services <i>Potential 5% increase to contract renewal.</i>	107,100
Business Plan Implementation and Consulting Services <i>Standards Development and Implementation</i>	21,000
EWA Visuals <i>Plant Photography</i>	15,000
Bank and Investment Fees	9,600
CSUSM Foundation <i>Board resolution approval</i>	5,000
Employee Benefit Brokerage	3,600
Backgrounds checks for new employees	3,000

11001 ADMINISTRATION ISF

continued

6830 MATERIALS SUPPLIES	\$ 27,240
Consumable Office Supplies	22,140
Drinking Water Service	5,100
<i>Increased due to change in water bottle service due to potable water line disruptions.</i>	
7110 POSTAGE	\$ 6,393
Postage	4,000
Postage Meter Lease	1,643
<i>increase to \$410.87 per quarter.</i>	
FedEx Delivery Charges	500
Postage Meter Ink and Labels	250
7120 PRINTING & REPRODUCTION	\$ 3,400
Special Services	2,200
<i>Budget, CAFR, HRPM, 2020 Business Plan</i>	
Stationary	1,200
<i>Business Cards, Letterhead, Envelopes, Laminations</i>	
7410 SUBSCRIPTIONS	\$ 1,240
League of California Cities Magazine	765
Zoomerang Survey	250
North County Times Newspaper	175
Government Accounting Review	50
7610 PROFESSIONAL DEVELOPMENT	\$ 119,354
Planned Professional Development	70,000
<i>CWEA state participation \$8500, SHRM conference \$3,000, WEF residuals conference, IT training and continued education \$20,000, CWEA training, and computer training.</i>	
Succession Planning BLAST	25,000
MUNIS Training	10,000
<i>Implementation of employee self service</i>	
Employer of Choice	7,500
<i>Benefit fairs, wellness program, take your kids to work day, etc.</i>	
Staff meetings and miscellaneous onsite trainings	4,854
<i>In house staff training meetings (i.e. harassment training, departmental training, MAM meetings)</i>	
Leadership Assessments	2,000

12001 LAB ISF

\$ 226,415

5520 BOOKS	\$ 500
EPA Water Quality Chemistry	500
6120 FUEL & LUBRICANTS	\$ 563
Unleaded Fuel	563
<i>125 gal @ \$4.50 per gal</i>	
6310 LAB EQUIPMENT REPAIR	\$ 28,850
ICP Service Agreement	11,600
<i>Decrease in amount due to one piece of equipment currently not in use.</i>	
Service Maintenance	7,000
<i>Maintain laboratory grade water - Type 1 water</i>	
Scale Balance Calibration	2,000
<i>ELAP Annual Requirement. Increase is due to Operations (8) balances.</i>	
Lab Equipment Repair	2,000
Sampler Repair	2,000
OSHA Fume Hood Testing	1,500
<i>Annual OSHA requirement</i>	
Water System Cartridges & Filters	800
Chlorine Meter Service Parts	800
<i>NPDES required monitoring</i>	
Spectrophotometer Service	500
Autoclave Parts	450
<i>ELAP requirement</i>	
Turbidimeter Annual Service Agreement	200
<i>ELAP requirement</i>	
6320 LAB MINOR EQUIP REPLACE	\$ 12,300
Total Coliform Incubator	4,000
<i>Need additional incubator due to increase in drinking water sample analysis(OMWD).</i>	
HACH CI 17 Chlorine Residual Meter	3,700
<i>To replace seven year old unit.</i>	
Enterococcus incubator.	3,500
<i>Replacement of current seven year old incubator having difficulty holding required temperature.</i>	
ICP Torches	750
pH Probes	350
<i>New probes needed for ELAP testing.</i>	
6330 LAB SUPPLIES	\$ 70,000
Coliform Testing	24,200
<i>Increase in the amount of drinking water samples (OMWD).</i>	
Instrument and General Lab Supplies	18,000
Chemicals and Reagents	14,000
Glassware	6,000
Instrument Gases	6,000
Operations Department Lab Supplies	1,800
<i>Lab supplies (TSS Papers, Glassware, etc) for dryer testing and process control.</i>	
6410 LAUNDRY & UNIFORMS	\$ 3,952
Laundry & Uniforms	3,952
<i>New contract with Prudential. Estimated costs for lab employees per week \$76.</i>	

12001 LAB ISF

continued

6450 PROFESSIONAL SERVICES	\$ 6,000
Kelp Bed Monitoring	6,000
<i>Region 9 kelp consortium participation monitoring cost increase</i>	
6910 OUTSIDE ANALYSIS	\$ 25,000
Contract Obligations for Anaergia	20,000
Outside Analysis	5,000
<i>Outside lab analysis for CWRF, Gafner, etc.</i>	
6911 EFFLUENT TESTING	\$ 2,000
NPDES Required Testing for Secondary Effluent	2,000
<i>Monthly Grease & Oil Testing</i>	
6912 BIOSOLIDS TESTING	\$ 11,250
Nutrient Testing	5,000
<i>Char Testing</i>	
Fertilizer Testing	3,000
Residual Testing - Landfill & Land Application Grit & Screenings.	2,000
Residual Testing - Organics	1,250
6913 INDUSTRIAL USER TESTING	\$ 30,000
Industrial User Organic	30,000
6920 PERMITS	\$ 8,750
Performance Evaluation Samples	4,750
<i>Increase cost of QA/QC samples and additional field of testing.</i>	
Laboratory Accreditation Fee	4,000
7120 PRINTING & REPRODUCTION	\$ 500
Labels and Chain of Custody	500
7330 SPECIALTY SERVICES	\$ 26,750
3rd Party Audit	16,000
<i>Required per EWA Biosolids EMS.</i>	
Lab Fume Hood Certification	10,000
Hazardous Materials Disposal	750

13001 ENERGY ISF

\$ 1,900,054

5410 CHEMICALS	\$ 9,916
Chilled Water Chemicals	3,000
<i>Based on manufacturer's recommendation</i>	
DI & Soft Water Cylinder Rental and exchange	2,916
<i>Provides soft and D.I. water for plant heat loop and engines</i>	
<i>Monthly service charge @ \$243</i>	
Engine Water Treatment	2,000
Heat Loop Water Treatment	2,000
5435 ELECTRICITY	\$ 1,083,457
Based on FY15 rates and projected usage	1,083,457
<i>1,882,500 kWh @ \$0.28/kWh - Summer</i>	
<i>1,986,990 kWh @ \$0.28/kWh - Winter</i>	
<i>Electricity rates increased twice in 2014 and October was added to summer peak period pricing.</i>	
<i>Another rate increase became effective 1/1/15, which is estimated at 2-3%.</i>	
5440 NATURAL GAS	\$ 571,266
Based on FY14 cost and projected usage	571,266
<i>486,000 therms @ \$0.6772/therm - Summer</i>	
<i>378,000 therms @ \$0.6406/therm - Winter</i>	
<i>10% reduction in therms due to increased digester gas production from AFRF</i>	
6120 FUEL & LUBRICANTS	\$ 29,500
Cogeneration Engine Lubricants	29,000
<i>Based on projected FY15 costs.</i>	
Grease, Gear & Bearing Oil	500
<i>Based on projected FY15 costs</i>	
6230 JANITORIAL	\$ 1,500
Cleaning Services for Cogen MCC Room	1,500
6410 LAUNDRY & UNIFORMS	\$ 1,796
Uniforms	1,196
<i>New contract with Prudential. Cost per week is \$23.00</i>	
Towels, Mats & Replacement Items	600
6730 REPAIR MAINT NON SPECIFIC	\$ 20,000
Equipment & Hardware	20,000
<i>based on projected FY15 costs</i>	
6920 PERMITS	\$ 21,519
APCD - Cogen engine emissions testing	11,000
APCD - Cogen engine permit renewal	10,368
APCD - Biogas flare permit renewal	151

13001 ENERGY ISF

continued

6940 REPAIR MAINT PLANNED	\$ 75,100
Engine Maint. -	46,000
<i>Sparks Plug prices are increasing up to \$10/plug and we now have to maintain a larger inventory.</i>	
Engine Maint. - Replace 2 Throttle Actuators	8,000
Engine Maint. - Replace 2 Dungs Valves	6,000
Engine Maint. - Replace 2 Belimo 3-way Valve Actuators	5,000
Gas Regulator Repair	3,000
Building Maintenance	2,500
Rags and Absorbents	1,500
Starting Air Compressor Parts	1,500
Valve Repair	1,000
Coils & Relays	600
7330 SPECIALTY SERVICES	\$ 84,500
Cogen Breaker Service (every 5 years)	39,000
Uninterrupted Power Supply (UPS) Servicing	12,000
<i>Renewal needed as detailed through EATON Corporation</i>	
Lean Burn Engine Repairs	8,000
<i>Generator Repair and Troubleshooting assistance by Certified Technician</i>	
Cogen Communication Module Replacement	5,000
Test & Repair Absorption Chiller	4,000
<i>Testing, repairing and Annual Service for cogen MCC room.</i>	
Oiled Filter/Oily Rag Disposal Solvent Tank Maintenance	4,000
Digester Gas Chiller Annual Maintenance	3,000
<i>Unit needs servicing from qualified manufacturer rep.</i>	
Gas Flow Meters Calibration	2,500
Annual Test & Repair/Modify Emission Tester	2,000
<i>Analyzer required for emissions monitoring. Increased cost due to needed sensor replacement.</i>	
Methane Analyzer Servicing	2,000
Generator Meters Service	1,500
Lithium Bromide Testing	1,500
<i>Annual testing for chiller.</i>	
7510 TOOLS	\$ 1,500
Hand Tools	1,500
<i>Based on projected FY15 costs</i>	

SUMMARY of CAPITAL EXPENSES

	2014 Actuals	2015 Budget	2016 Recommended
Capital Improvements	\$ 3,405,957	\$ 7,114,000	\$ 11,340,000
Planned Asset Replacement	\$ 633,184	\$ 831,350	\$ 776,500
Capital Acquisitions	\$ 616,703	\$ 904,255	\$ 930,732
Subtotal	\$ 4,655,844	\$ 8,849,605	\$ 13,047,232
Salaries & Benefits	\$ 1,845,206	\$ 2,013,213	\$ 2,049,098
Total Capital Expense	\$ 6,501,050	\$ 10,862,818	\$ 15,096,330

ESTIMATED REVENUES

	2014 Actuals	2015 Budget	2016 Recommended
City of Vista	\$ 1,706,110	\$ 2,833,913	\$ 4,046,831
City of Carlsbad	\$ 1,646,204	\$ 2,601,958	\$ 3,747,191
Buena Sanitation District	\$ 569,027	\$ 852,180	\$ 1,153,761
Vallecitos Water District	\$ 1,462,290	\$ 2,374,511	\$ 3,013,630
Leucadia Wastewater District	\$ 1,111,446	\$ 1,755,860	\$ 2,501,842
City of Encinitas	\$ 280,242	\$ 444,396	\$ 633,076
Total Capital Revenue	\$ 6,775,319	\$ 10,862,818	\$ 15,096,330

CAPITAL IMPROVEMENT PROGRAM
MULTI-YEAR PROJECTS

	2015 Total	2016 Total	Change %
<i>Liquid Process Improvements</i>	\$ 720,000	\$ 6,482,000	800%
<i>Outfall</i>	\$ 255,000	\$ -	-100%
<i>Solids Process Improvements</i>	\$ 2,208,000	\$ 1,839,000	-17%
<i>Energy Management</i>	\$ 440,000	\$ 275,000	-38%
<i>General Improvements</i>	\$ 884,000	\$ 716,000	-19%
<i>Technology Master Plan</i>	\$ 1,798,000	\$ 613,000	-66%
<i>Professional Services</i>	\$ 749,000	\$ 1,415,000	89%
Total Capital Improvement Projects	\$ 7,054,000	\$ 11,340,000	61%
Remote Facilities	\$ 60,000	\$ -	-100%
Planned Asset Replacements	\$ 831,350	\$ 776,500	-7%
Capital Acquisitions	\$ 904,255	\$ 930,732	3%
Personnel	\$ 2,013,213	\$ 2,049,098	2%
Total Capital Expense	\$ 10,862,818	\$ 15,096,330	39%

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CAPITAL IMPROVEMENTS

ORG	Object	Project	Description	Amount
91602	8334	11005	Grit and Screenings Handling Facility Rehab	\$ 800,000
91602	8334	12012	PSB 1-10 Influent Gate Replacement	\$ 88,000
91602	8335	13003	A-Basin Rehab - Construction	\$ 4,621,000
91602	8336	13003	A-Basin Rehab - Construction Eng	\$ 240,000
91602	8337	13003	A-Basin Rehab - Construction Mgmt	\$ 305,000
91602	8335	13005	A-Basin Membrane Replacement	\$ 390,000
91602	8332	13017	A- Basin Cover Replacement	\$ 38,000
91602	8335	33009	Dryer Safety Phase 2 & 3 - Construction	\$ 1,644,000
91602	8336	33009	Dryer Safety Phase 2 & 3 - Construction Eng	\$ 86,000
91602	8337	33009	Dryer Safety Phase 2 & 3 - Construction Mgmt	\$ 109,000
91602	8335	41005	Engine Top-End Overhauls	\$ 275,000
91602	8339	51002	ORF I Carbon Media Replacement	\$ 100,000
91602	8332	52012	Site Security Facilities	\$ 27,000
91602	8334	52017	Instrument Air Piping Replacment - Design	\$ 42,000
91602	8335	52017	Instrument Air Piping Replacment - Construction	\$ 241,000
91602	8336	52017	Instrument Air Piping Replacment - Construction Eng	\$ 13,000
91602	8337	52017	Instrument Air Piping Replacment - Construction Mgmt	\$ 16,000
91602	8332	52031	Arc Flash Hazard Assessment	\$ 75,000
91602	8334	52032	Corrosion Control & Coatings - Design	\$ 12,000
91602	8335	52032	Corrosion Control & Coatings - Construction	\$ 128,000
91602	8337	52032	Corrosion Control & Coatings - Construction Mgmt	\$ 9,000
91602	8332	52033	Abandoned Equipment Removal	\$ 22,000
91602	8334	53012	Cogen Chiller Replacement - Design	\$ 18,000
91602	8335	53012	Cogen Chiller Replacement - Construction	\$ 100,000
91602	8336	53012	Cogen Chiller Replacement - Construction Eng	\$ 6,000
91602	8337	53012	Cogen Chiller Replacement - Construction Mgmt	\$ 7,000
91602	8335	61401	SCADA Operator Log Book - Construction	\$ 117,000
91602	8337	61401	SCADA Operator Log Book - Construction Mgmt	\$ 7,000
91602	8334	61407	Automation Study Implementation - Design	\$ 26,000
91602	8335	61407	Automation Study Implementation - Construction	\$ 287,000
91602	8336	61407	Automation Study Implementation - Construction Eng	\$ 15,000
91602	8337	61407	Automation Study Implementation - Construction Mgmt	\$ 19,000
91602	8335	62103	Data Management Standards	\$ 80,000
91602	8335	62302	WIMS Enhancements	\$ 62,000
91602	8333	81006	Asset Condition Assessments	\$ 50,000
91602	8333	81008	Flood Channel Bridge Condition Assessment	\$ 10,000
91602	8333	81012	Buildings Condition Assessment	\$ 50,000
91602	8332	82003	Biosolids Mgmt Plan Update	\$ 180,000
91602	8332	82013	Process Master Plan	\$ 300,000
91602	8332	82015	Potable Reuse Study	\$ 50,000
91602	8332	82016	Phosphorus Removal Study	\$ 50,000
91602	8332	82017	Secondary Treatment Alternatives	\$ 100,000
91602	8332	82018	Demo Garden Master Plan	\$ 30,000
91602	8332	83001	E-CAMP Update	\$ 75,000
91602	8339	84001	Extension Of Staff Eng Services	\$ 150,000
91602	8339	84002	Research & Development	\$ 50,000
91602	8339	84008	O&M Document Mgmt	\$ 100,000
91602	8332	90507	Service Area Ordinance Alignment	\$ 120,000
Total Capital Improvement				\$ 11,340,000

PLANNED ASSET REPLACEMENT

ORG	Object	Project	Description	Amount
80002	8010	80015	General Plant Expense	\$ 65,000
80002	8010	80036	Site Security	\$ 32,500
80002	8010	80046	Entrance Gate Video	\$ 30,000
80002	8010	80056	Weight/Scale Controller for Dewatering North	\$ 30,000
80002	8010	80116	Oil Storage Shed Replacement	\$ 20,000
80002	8010	80025	Plant Lighting	\$ 15,000
80002	8020	80126	DAF Pressurization Pump Rebuild	\$ 16,000
80002	8030	80065	3W Pump Rebuild	\$ 13,000
80002	8030	80075	3WLC Pump Rebuild	\$ 13,000
80002	8030	80085	3WL Pump Rebuild	\$ 11,000
80002	8030	80136	Circuit for Effluent Sample Pump Sump System	\$ 10,000
80002	8050	80146	Progressive Cavity Sludge Pump	\$ 31,000
80002	8050	80155	Primary EQ Pump Rebuild	\$ 19,000
80002	8050	80166	Poly/Pro Diaphragm Pumps	\$ 11,000
80002	8050	80176	CEPT Drain Upgrade	\$ 10,000
80002	8050	80095	Unplanned Expense Primaries	\$ 10,000
80002	8050	80206	Fan Starters Replacement	\$ 9,000
80002	8050	80105	Primary Grinder Rebuild	\$ 9,000
80002	8050	80216	CEPT Chemical Pump Rebuild	\$ 5,000
80002	8060	80226	Seeps Pump Rebuild	\$ 37,000
80002	8060	80246	GMF Pump Rebuild	\$ 16,000
80002	8060	80286	GMF Supply Pump Rebuild	\$ 13,000
80002	8060	80296	GMF VFD Replacement	\$ 10,000
80002	8060	80185	Unplanned Expense Secondaries	\$ 8,000
80002	8070	80306	Digester 4, 5, 6 Sludge Recirculation Pump	\$ 40,000
80002	8070	80316	Digester 6 Valve Replacement	\$ 22,000
80002	8070	80195	Unplanned Expense Digesters	\$ 8,000
80002	8080	80235	Heat Dryer Equipment Replacement	\$ 70,000
80002	8080	80326	Centrifuge Bowl Rahab	\$ 20,000
80002	8080	80255	Cake Pump Rebuild	\$ 16,000
80002	8080	80336	RTO Burners Rebuild	\$ 15,000
80002	8080	80356	Drive Shaft Replacement	\$ 12,000
80002	8080	80366	Centrifuge Overhaul	\$ 10,000
80002	8080	80376	Heat Dryer Lock Integration	\$ 10,000
80002	8080	80265	Unplanned Expense Solids Processing	\$ 10,000
80002	8080	80275	Centrifuge Feed Pump Overhaul	\$ 6,000
80002	8090	80386	Aeration and Gas Blower	\$ 40,000
80002	8090	80396	Air Compressor Service	\$ 20,000
80002	8090	80406	Lights in Loadout Scale Area	\$ 12,000
80002	8090	80416	UPS Batteries Replacement	\$ 12,000
80002	8090	80345	Unplanned Expense Cogen	\$ 10,000
Total Planned Asset Replacement				\$ 776,500

CAPITAL ACQUISITIONS

ORG	Object	Project	Description	Amount
12002	7750	70016	Air Compressor & Dryer	\$ 10,000
12002	7750	70026	Refrigerated Sampler	\$ 5,500
21002	7750	70036	6 Gravity Flow Meters Replacement	\$ 45,000
23002	7710	70046	Munis Enhancements	\$ 40,000
23002	7710	70056	Computer Replacement	\$ 25,000
23002	7710	70066	VMware Server Upgrade	\$ 24,000
23002	7710	70076	Onsite Server For Lync 2013 or Skype Business	\$ 13,500
23002	7710	70086	UPS Service & Battery Replacement	\$ 10,000
23002	7710	70096	KVM Upgrade	\$ 9,000
23002	7710	70106	Level Transmitter Replacement	\$ 9,000
23002	7710	70116	Ip Base License and 4- 4 port Gbic Modules	\$ 7,500
23002	7710	70126	Redundant Firewall	\$ 7,000
23002	7710	70136	Server Rack Replacement	\$ 6,000
23002	7710	70146	Software Licensing for Flir System	\$ 6,000
23002	7710	70156	Team Viewer Remote	\$ 6,000
23002	7730	70166	Replace Closed Session Chairs	\$ 8,000
23002	7730	70176	10 Microsoft Surface Pro 3s	\$ 25,000
23002	7740	70186	Crane Truck Replacement	\$ 205,000
23002	7750	70274	Unplanned Minor Rehab Plant Wide	\$ 20,000
23002	7750	70196	Plug Valve Replacement	\$ 10,000
31002	7750	70336	AHPS - Bar Screen Overhaul	\$ 70,000
31002	7750	70345	AHPS - Grinder Rebuild	\$ 13,000
31002	7750	70355	AHPS - Sewage Pump Rebuild	\$ 11,000
31002	7750	70365	AHPS - VFD Repairs	\$ 10,000
31002	7750	70376	AHPS - Mechanical Seal Replacement	\$ 5,000
31002	7750	70386	AHPS - Unplanned Expense	\$ 5,000
32002	7750	70406	BVPS - Sewage Pump Overhaul	\$ 35,000
32002	7750	70395	BVPS - Grinder Overhaul	\$ 30,000
32002	7750	70425	BVPS - Pump Overhaul & Motor Rebuild	\$ 29,000
32002	7750	70436	BVPS - Sump Pump for Forcemain	\$ 28,000
32002	7750	70446	BVPS - Unplanned Minor Rehab	\$ 5,000
37002	7750	70475	BCPS - Grinder Rebuild	\$ 30,000
37002	7750	70465	BCPS - Sewage Pump Overhaul	\$ 30,000
37002	7750	70485	BCPS - VFD Repairs	\$ 10,000
37002	7750	70495	BCPS - Unplanned Minor Rehab	\$ 6,000
38002	7750	70506	CWRF - Site Security Camera Installation	\$ 30,000
38002	7750	70536	CWRF - Re-coat Hypo Pit Floor	\$ 17,232
38002	7750	70546	CWRF - Mixer CCT	\$ 9,000
38002	7750	70515	CWRF - Air Compress / Blower Overhaul	\$ 6,000
38002	7750	70525	CWRF - Unplanned Minor Rehab	\$ 5,000
39002	7750	70566	RBPS - Grinder Repair	\$ 30,000
39002	7750	70576	RBPS - Security Camera Installation	\$ 12,000
39002	7750	70586	RBPS - VFD Repairs	\$ 8,000
39002	7750	70555	RBPS - Unplanned Minor Rehab	\$ 5,000
Total Capital Acquisition				\$ 930,732

LONG-TERM CAPITAL FINANCIAL PLAN

5 YEAR *and* 20 YEAR CAPITAL BUDGET

Fiscal Year	Capital Improvement	Planned Asset Replacement	Capital Acquisition	Personnel Expense	Total
2016	\$ 11,340,000	\$ 776,500	\$ 930,732	\$ 2,049,098	\$ 15,096,330
2017	\$ 12,494,500	\$ 792,000	\$ 949,000	\$ 2,090,000	\$ 16,325,500
2018	\$ 12,299,500	\$ 808,000	\$ 968,000	\$ 2,132,000	\$ 16,207,500
2019	\$ 10,693,500	\$ 824,000	\$ 987,000	\$ 2,175,000	\$ 14,679,500
2020	\$ 11,173,250	\$ 840,000	\$ 1,007,000	\$ 2,219,000	\$ 15,239,250
5 Year Total	\$ 58,000,750	\$ 4,040,500	\$ 4,841,732	\$ 10,665,098	\$ 77,548,080
2021	\$ 11,397,000	\$ 857,000	\$ 1,027,000	\$ 2,263,000	\$ 15,544,000
2022	\$ 11,625,000	\$ 874,000	\$ 1,048,000	\$ 2,308,000	\$ 15,855,000
2023	\$ 11,858,000	\$ 891,000	\$ 1,069,000	\$ 2,354,000	\$ 16,172,000
2024	\$ 12,095,000	\$ 909,000	\$ 1,090,000	\$ 2,401,000	\$ 16,495,000
2025	\$ 12,337,000	\$ 927,000	\$ 1,112,000	\$ 2,449,000	\$ 16,825,000
2026	\$ 12,584,000	\$ 946,000	\$ 1,134,000	\$ 2,498,000	\$ 17,162,000
2027	\$ 12,836,000	\$ 965,000	\$ 1,157,000	\$ 2,548,000	\$ 17,506,000
2028	\$ 13,093,000	\$ 984,000	\$ 1,180,000	\$ 2,599,000	\$ 17,856,000
2029	\$ 13,355,000	\$ 1,004,000	\$ 1,204,000	\$ 2,651,000	\$ 18,214,000
2030	\$ 13,622,000	\$ 1,024,000	\$ 1,228,000	\$ 2,704,000	\$ 18,578,000
2031	\$ 13,894,000	\$ 1,044,000	\$ 1,253,000	\$ 2,758,000	\$ 18,949,000
2032	\$ 14,172,000	\$ 1,065,000	\$ 1,278,000	\$ 2,813,000	\$ 19,328,000
2033	\$ 14,455,000	\$ 1,086,000	\$ 1,304,000	\$ 2,869,000	\$ 19,714,000
2034	\$ 14,744,000	\$ 1,108,000	\$ 1,330,000	\$ 2,926,000	\$ 20,108,000
2035	\$ 15,039,000	\$ 1,130,000	\$ 1,357,000	\$ 2,985,000	\$ 20,511,000
20 Year Total	\$ 255,106,750	\$ 18,854,500	\$ 22,612,732	\$ 49,791,098	\$ 346,365,080