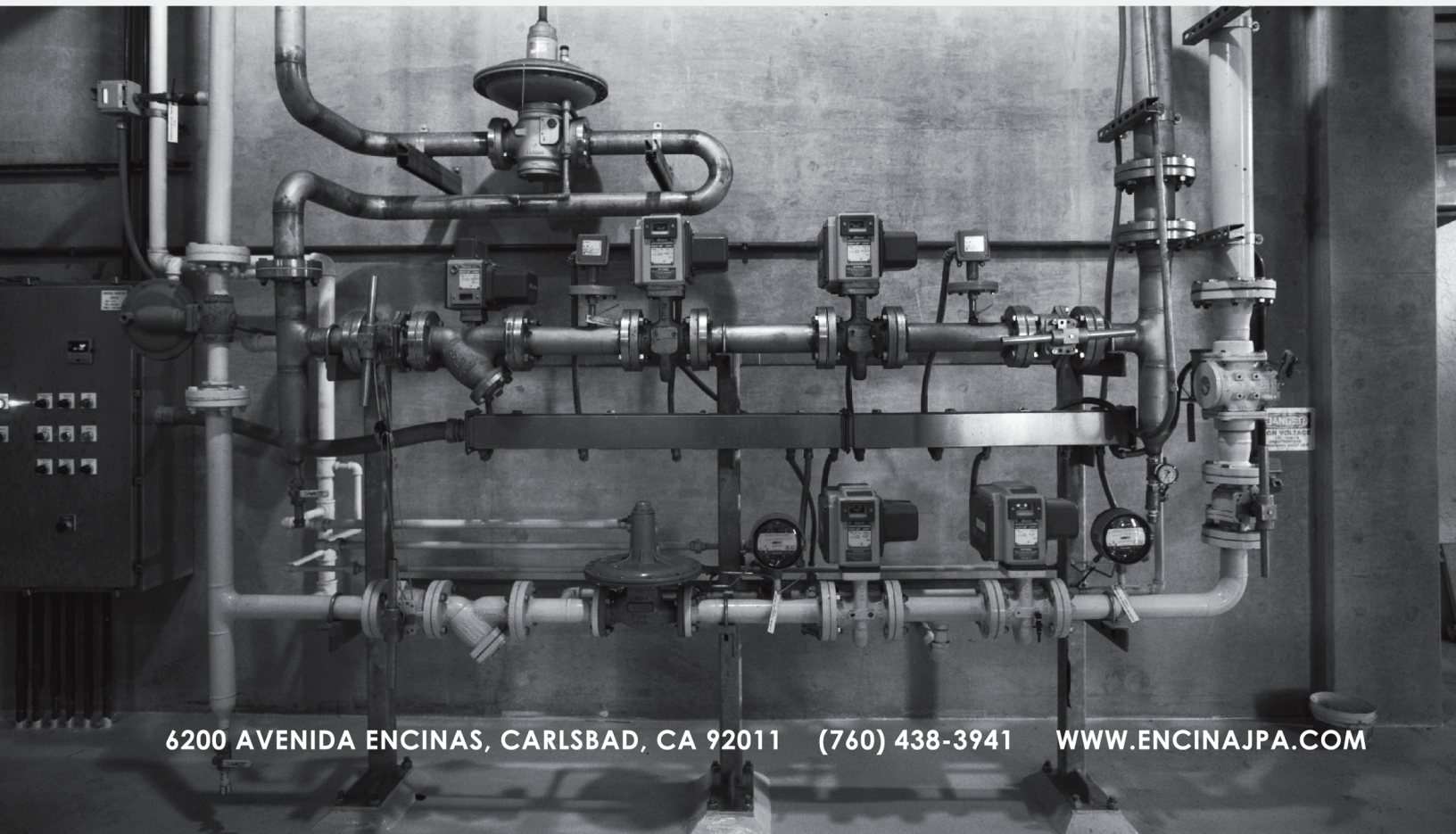




RECOMMENDED OPERATING & CAPITAL **2017** BUDGET



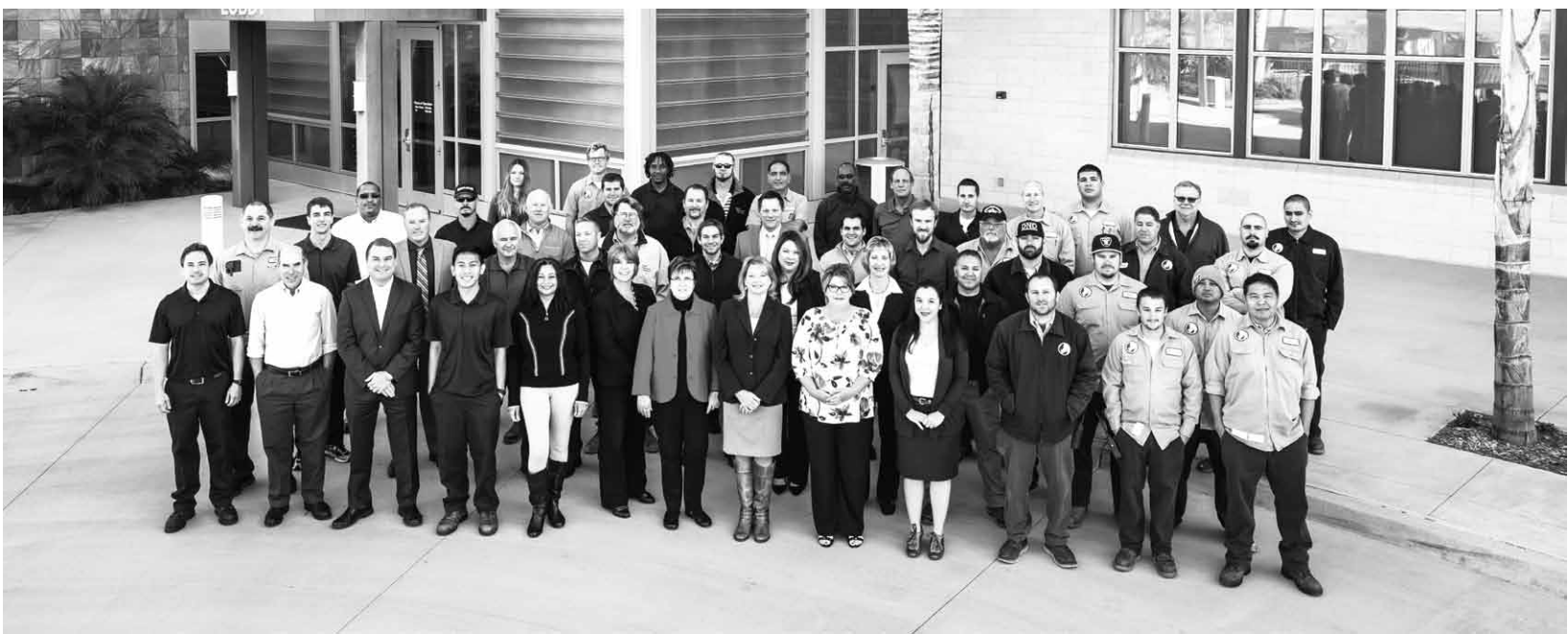


MISSION STATEMENT

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 CARLSBAD
CITY OF VISTA
BUENA SANITATION DISTRICT
VALLECITOS WATER DISTRICT
LEUCADIA WASTEWATER DISTRICT
CITY OF ENCINITAS



ENCINA WASTEWATER AUTHORITY

FY2017 RECOMMENDED OPERATING & CAPITAL BUDGETS

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Date: April 27, 2016

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

From: Michael Steinlicht, General Manager

Subject: Transmittal of FY2017 Recommended Operating & Capital Budgets

This letter transmits the Encina Wastewater Authority's (EWA) Recommended Fiscal Year 2017 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 2017; and, the proportionate amount to be paid by each Member Agency.

The Recommended FY2017 Operating and Capital Program Budgets total approximately \$28 million, which reflects a -4.9% reduction from FY2016, and is summarized below:

		Actual FY2015		Budget FY2016		Recommended FY2017	% Change
Operating Program	\$	13,950,886	\$	14,558,643	\$	15,043,385	3.3%
Capital Program	\$	12,034,251	\$	15,096,330	\$	13,165,897	-12.8%
Combined Program Budgets	\$	25,985,137	\$	29,654,973	\$	28,209,282	-4.9%

OPERATING BUDGET OVERVIEW

The Recommended FY2017 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 FY2017 Budget reflects 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; Be Transparent; Conduct Sound Planning; Invest Appropriately; and Remain Efficient and Fiscally Responsible. The Recommended FY2017 Operating Budget totals approximately \$15 million for the seven (7) operational programs summarized below:

Operating Program		Actual FY2015		Budget FY2016		Recommended FY2017	% Change
Encina Water Pollution Control Facility	\$	11,365,544	\$	12,279,446	\$	12,470,838	1.6%
Environmental Compliance – Source Control	\$	587,980	\$	737,071	\$	741,870	0.7%
Agua Hedionda Pump Station	\$	286,446	\$	320,703	\$	338,704	5.6%
Buena Vista Pump Station	\$	406,595	\$	438,268	\$	464,041	5.9%
Buena Creek Pump Station	\$	310,637	\$	354,649	\$	367,677	3.7%
Carlsbad Water Recycling Facility	\$	810,972	\$	879,233	\$	1,017,461	15.7%
Raceway Basin Pump Station	\$	182,712	\$	196,026	\$	205,764	5.0%
Sub-Total: Expenses	\$	13,950,886	\$	15,205,396	\$	15,606,355	2.6%
Estimated Other Operating Revenue	\$	-	\$	(646,753)	\$	(562,970)	-13.0%
Total Operating Budget	\$	13,950,886	\$	14,558,643	\$	15,043,385	3.3%

The FY2017 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 FY2017 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 FY2017 Capital Budget totals approximately \$13.2 million for the three (3) established EWA capital programs summarized below:

Capital Program		Actual FY2015		Budget FY2016		Recommended FY2017	% Change
CAMP Improvement Projects	\$	8,602,056	\$	11,340,000	\$	9,604,000	-15.3%
Planned Asset Replacement (PAR)	\$	825,410	\$	776,500	\$	698,400	-10.1%
Capital Acquisitions and Minor Plant Rehabilitation	\$	691,292	\$	930,732	\$	541,000	-41.9%
Allocated Personnel Expenses	\$	1,915,493	\$	2,049,098	\$	2,322,497	13.3%
Total Capital Budget	\$	12,034,251	\$	15,096,330	\$	13,165,897	-12.8%

Improvement Projects are planned, scoped, and prioritized through the Comprehensive Asset Management Program (CAMP). The most recent CAMP was published in May 2015 and is scheduled for another update in August 2016. It considers anticipated changes in regulatory requirements, prospective operational efficiencies, funding availability and other factors.

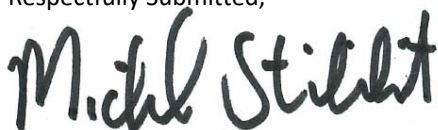
The Recommended FY2017 Capital Budget includes \$2,322,497 in funding for 12.96 full-time equivalent (FTE) positions. These positions include full- and part-time efforts of EWA executives, professionals, managers, and technical staff who plan, direct, and support EWA's Capital Program.

Significant Improvement Projects recommended for FY2017 funding include: SCADA Network Construction (\$3,000,000); Aeration Basin Efficiency and Safety Improvements (\$2,100,000); Motor Control Center Climate Control (HVAC) Rehabilitation (\$525,000); Digester Settlement Mitigation and Construction (\$500,000); and Equipment Painting and Protective Coatings (\$149,000).

Planned Asset Replacement (PAR) reflects minor plant rehabilitation efforts undertaken by EWA staff to maintain the \$248 million invested by the Member Agencies in Joint System assets. Recommended PAR Projects total \$698,400. Recommended Capital Acquisitions & Minor Plant Rehabilitation total \$541,000 and reflect appropriate investment in minor infrastructure, equipment and mobile assets.

Please join me in recognizing the staff whose efforts produced this document. Administrative Services Manager LeeAnn Warchol and Management Analyst Joseph Spence led staff efforts in the preparation and development of the FY2017 Recommended Budget with third-party quality control review by Financial Management Consultant Neil Glass. 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,



Michael Steinlicht
General Manager

OPERATING BUDGET: REVENUE *and* EXPENSE SUMMARY

Revenue Summary

		Actual FY2015		Budget FY2016		Projected FY2016		Recommended FY2017		Change	%
City of Carlsbad	\$	4,081,787	\$	4,228,257	\$	4,142,297	\$	4,513,540	\$	285,283	6.7%
City of Vista	\$	3,563,175	\$	3,698,973	\$	3,640,991	\$	3,823,046	\$	124,073	3.4%
Buena Sanitation District	\$	1,339,122	\$	1,474,040	\$	1,443,916	\$	1,468,569	\$	(5,471)	-0.4%
Vallecitos Water District	\$	2,548,702	\$	2,614,971	\$	2,539,066	\$	2,690,904	\$	75,933	2.9%
Leucadia Wastewater District	\$	1,822,529	\$	1,915,644	\$	1,862,834	\$	1,911,730	\$	(3,914)	-0.2%
City of Encinitas	\$	595,571	\$	626,758	\$	609,107	\$	635,596	\$	8,838	1.4%
Sub Total	\$	13,950,886	\$	14,558,643	\$	14,238,212	\$	15,043,385	\$	484,742	3.3%
Estimated Other Revenue			\$	646,753	\$	714,521	\$	562,970	\$	(83,783)	-13.0%
Total	\$	13,950,886	\$	15,205,396	\$	14,952,733	\$	15,606,355	\$	400,959	2.6%

*2015 Actual total is net of other revenue

Operating Revenues from Member Agencies by Program

		Actual FY2015		Budget FY2016		Projected FY2016		Recommended FY2017		Change	%
Encina Water Pollution Control Facility	\$	11,365,544	\$	11,632,693	\$	11,342,936	\$	11,907,868	\$	275,175	2.4%
Source Control	\$	587,980	\$	737,071	\$	653,662	\$	741,870	\$	4,799	0.7%
Agua Hedionda Pump Station	\$	286,446	\$	320,703	\$	330,502	\$	338,704	\$	18,001	5.6%
Buena Vista Pump Station	\$	406,595	\$	438,268	\$	464,659	\$	464,041	\$	25,773	5.9%
Buena Creek Pump Station	\$	310,637	\$	354,649	\$	361,480	\$	367,677	\$	13,028	3.7%
Carlsbad Water Recycling Facility	\$	810,972	\$	879,233	\$	886,671	\$	1,017,461	\$	138,228	15.7%
Raceway Basin Pump Station	\$	182,712	\$	196,026	\$	198,302	\$	205,764	\$	9,738	5.0%
Total	\$	13,950,886	\$	14,558,643	\$	14,238,212	\$	15,043,385	\$	484,742	3.3%

Operating Budget Expense Summary by Program

		Actual FY2015		Budget FY2016		Projected FY2016		Recommended FY2017		Change	%
Encina Water Pollution Control Facility	\$	11,365,544	\$	12,279,446	\$	12,057,457	\$	12,470,838	\$	191,392	1.6%
Source Control	\$	587,980	\$	737,071	\$	653,662	\$	741,870	\$	4,799	0.7%
Agua Hedionda Pump Station	\$	286,446	\$	320,703	\$	330,502	\$	338,704	\$	18,001	5.6%
Buena Vista Pump Station	\$	406,595	\$	438,268	\$	464,659	\$	464,041	\$	25,773	5.9%
Buena Creek Pump Station	\$	310,637	\$	354,649	\$	361,480	\$	367,677	\$	13,028	3.7%
Carlsbad Water Recycling Facility	\$	810,972	\$	879,233	\$	886,671	\$	1,017,461	\$	138,228	15.7%
Raceway Basin Pump Station	\$	182,712	\$	196,026	\$	198,302	\$	205,764	\$	9,738	5.0%
Total	\$	13,950,886	\$	15,205,396	\$	14,952,733	\$	15,606,355	\$	400,959	2.6%

Combined Operating Budget Expense

		Actual FY2015		Budget FY2016		Projected FY2016		Recommended FY2017		Change	%
Personnel	\$	5,523,418	\$	5,668,863	\$	5,762,086	\$	6,064,047	\$	395,184	7.0%
Non-Personnel	\$	3,736,754	\$	4,221,546	\$	4,088,429	\$	4,399,220	\$	177,674	4.2%
Internal Service Fund	\$	4,690,714	\$	5,314,987	\$	5,102,218	\$	5,143,088	\$	(171,899)	-3.2%
Total	\$	13,950,886	\$	15,205,396	\$	14,952,733	\$	15,606,355	\$	400,959	2.6%

OPERATING BUDGET: EXPENSE SUMMARY

Encina Water Pollution Control Facility

		Actual FY2015		Budget FY2016		Projected FY2016		Recommended FY2017		Change	%
Personnel	\$	4,168,553	\$	4,184,030	\$	4,232,442	\$	4,499,068	\$	315,038	7.5%
Non-Personnel	\$	2,964,242	\$	3,326,282	\$	3,206,489	\$	3,337,900	\$	11,618	0.3%
Internal Service Fund	\$	4,232,749	\$	4,769,134	\$	4,618,526	\$	4,633,870	\$	(135,264)	-2.8%
Total	\$	11,365,544	\$	12,279,446	\$	12,057,457	\$	12,470,838	\$	191,392	1.6%

Environmental Compliance – Source Control

		Actual FY2015		Budget FY2016		Projected FY2016		Recommended FY2017		Change	%
Personnel	\$	436,489	\$	503,478	\$	475,561	\$	483,252	\$	(20,226)	-4.0%
Non-Personnel	\$	13,851	\$	18,835	\$	15,250	\$	88,310	\$	69,475	368.9%
Internal Service Fund	\$	137,640	\$	214,758	\$	162,851	\$	170,308	\$	(44,450)	-20.7%
Total	\$	587,980	\$	737,071	\$	653,662	\$	741,870	\$	4,799	0.7%

Agua Hedionda Pump Station

		Actual FY2015		Budget FY2016		Projected FY2016		Recommended FY2017		Change	%
Personnel	\$	133,261	\$	146,190	\$	160,604	\$	159,078	\$	12,888	8.8%
Non-Personnel	\$	111,364	\$	129,684	\$	128,748	\$	136,800	\$	7,116	5.5%
Internal Service Fund	\$	41,821	\$	44,829	\$	41,150	\$	42,826	\$	(2,003)	-4.5%
Total	\$	286,446	\$	320,703	\$	330,502	\$	338,704	\$	18,001	5.6%

Buena Vista Pump Station

		Actual FY2015		Budget FY2016		Projected FY2016		Recommended FY2017		Change	%
Personnel	\$	132,363	\$	144,910	\$	160,409	\$	157,398	\$	12,488	8.6%
Non-Personnel	\$	214,179	\$	235,735	\$	251,356	\$	254,050	\$	18,315	7.8%
Internal Service Fund	\$	60,053	\$	57,623	\$	52,894	\$	52,593	\$	(5,030)	-8.7%
Total	\$	406,595	\$	438,268	\$	464,659	\$	464,041	\$	25,773	5.9%

Buena Creek Pump Station

		Actual FY2015		Budget FY2016		Projected FY2016		Recommended FY2017		Change	%
Personnel	\$	131,244	\$	149,999	\$	161,345	\$	163,324	\$	13,325	8.9%
Non-Personnel	\$	136,498	\$	158,924	\$	158,161	\$	161,000	\$	2,076	1.3%
Internal Service Fund	\$	42,895	\$	45,726	\$	41,974	\$	43,353	\$	(2,373)	-5.2%
Total	\$	310,637	\$	354,649	\$	361,480	\$	367,677	\$	13,028	3.7%

Carlsbad Water Recycling Facility

		Actual FY2015		Budget FY2016		Projected FY2016		Recommended FY2017		Change	%
Personnel	\$	426,326	\$	429,141	\$	456,501	\$	480,849	\$	51,708	12.0%
Non-Personnel	\$	233,754	\$	296,185	\$	271,976	\$	364,660	\$	68,475	23.1%
Internal Service Fund	\$	150,892	\$	153,907	\$	158,194	\$	171,952	\$	18,045	11.7%
Total	\$	810,972	\$	879,233	\$	886,671	\$	1,017,461	\$	138,228	15.7%

Raceway Basin Pump Station

		Actual FY2015		Budget FY2016		Projected FY2016		Recommended FY2017		Change	%
Personnel	\$	95,182	\$	111,115	\$	115,224	\$	121,078	\$	9,963	9.0%
Non-Personnel	\$	62,866	\$	55,901	\$	56,449	\$	56,500	\$	599	1.1%
Internal Service Fund	\$	24,664	\$	29,010	\$	26,629	\$	28,186	\$	(824)	-2.8%
Total	\$	182,712	\$	196,026	\$	198,302	\$	205,764	\$	9,738	5.0%

OPERATING BUDGET: REVENUE SUMMARY

City of Carlsbad

		Actual FY2015		Budget FY2016		Projected FY2016		Recommended FY2017		Change	%
Encina Water Pollution Control Facility	\$	2,955,115	\$	2,985,052	\$	2,910,698	\$	3,115,979	\$	130,927	4.4%
Source Control	\$	184,902	\$	219,295	\$	194,479	\$	227,180	\$	7,885	3.6%
Agua Hedionda Pump Station	\$	88,512	\$	99,097	\$	102,125	\$	104,660	\$	5,563	5.6%
Buena Vista Pump Station	\$	42,286	\$	45,580	\$	48,325	\$	48,260	\$	2,680	5.9%
Carlsbad Water Recycling Facility	\$	810,972	\$	879,233	\$	886,671	\$	1,017,461	\$	138,228	15.7%
Total	\$	4,081,787	\$	4,228,257	\$	4,142,297	\$	4,513,540	\$	285,283	6.7%

City of Vista

		Actual FY2015		Budget FY2016		Projected FY2016		Recommended FY2017		Change	%
Encina Water Pollution Control Facility	\$	2,650,019	\$	2,676,514	\$	2,609,845	\$	2,756,176	\$	79,662	3.0%
Source Control	\$	168,201	\$	212,139	\$	188,133	\$	211,281	\$	(858)	-0.4%
Agua Hedionda Pump Station	\$	197,934	\$	221,606	\$	228,377	\$	234,044	\$	12,438	5.6%
Buena Vista Pump Station	\$	364,309	\$	392,688	\$	416,334	\$	415,781	\$	23,093	5.9%
Raceway Basin Pump Station	\$	182,712	\$	196,026	\$	198,302	\$	205,764	\$	9,738	5.0%
Total	\$	3,563,175	\$	3,698,973	\$	3,640,991	\$	3,823,046	\$	124,073	3.4%

Buena Sanitation District

		Actual FY2015		Budget FY2016		Projected FY2016		Recommended FY2017		Change	%
Encina Water Pollution Control Facility	\$	959,439	\$	1,016,596	\$	991,274	\$	1,017,168	\$	572	0.1%
Source Control	\$	69,046	\$	102,795	\$	91,162	\$	83,724	\$	(19,071)	-18.6%
Buena Creek Pump Station	\$	310,637	\$	354,649	\$	361,480	\$	367,677	\$	13,028	3.7%
Total	\$	1,339,122	\$	1,474,040	\$	1,443,916	\$	1,468,569	\$	(5,471)	-0.4%

Vallecitos Water District

		Actual FY2015		Budget FY2016		Projected FY2016		Recommended FY2017		Change	%
Encina Water Pollution Control Facility	\$	2,451,148	\$	2,492,948	\$	2,430,852	\$	2,567,150	\$	74,202	3.0%
Source Control	\$	97,554	\$	122,023	\$	108,215	\$	123,754	\$	1,731	1.4%
Total	\$	2,548,702	\$	2,614,971	\$	2,539,066	\$	2,690,904	\$	75,933	2.9%

Leucadia Wastewater District

		Actual FY2015		Budget FY2016		Projected FY2016		Recommended FY2017		Change	%
Encina Water Pollution Control Facility	\$	1,770,450	\$	1,857,929	\$	1,811,650	\$	1,838,058	\$	(19,871)	-1.1%
Source Control	\$	52,079	\$	57,715	\$	51,184	\$	73,672	\$	15,957	27.6%
Total	\$	1,822,529	\$	1,915,644	\$	1,862,834	\$	1,911,730	\$	(3,914)	-0.2%

City of Encinitas

		Actual FY2015		Budget FY2016		Projected FY2016		Recommended FY2017		Change	%
Encina Water Pollution Control Facility	\$	579,373	\$	603,654	\$	588,618	\$	613,337	\$	9,683	1.6%
Source Control	\$	16,198	\$	23,104	\$	20,489	\$	22,259	\$	(845)	-3.7%
Total	\$	595,571	\$	626,758	\$	609,107	\$	635,596	\$	8,838	1.4%

PERSONNEL EXPENSE *by* ACCOUNT

Salaries

	2016 Budget	% of Total	2017 Budget	% of Total	% Change
Regular	\$ 6,329,811		\$ 6,445,092		1.8%
Performance Pay	\$ -		\$ 232,466		100.0%
Overtime	\$ 110,000		\$ 130,000		18.2%
Holiday	\$ 89,050		\$ 110,295		23.9%
Temporary & Part-Time Staff	\$ 51,948		\$ 200,000		285.0%
Intern Program	\$ 29,757		\$ 29,757		0.0%
Shift Differential	\$ 48,762		\$ 44,000		-9.8%
Incentive Awards	\$ 12,000		\$ 14,000		16.7%
Standby	\$ 9,809		\$ 9,809		0.0%
Subtotal Salaries	\$ 6,681,137	67.4%	\$ 7,215,418	68.3%	8.0%

Benefits

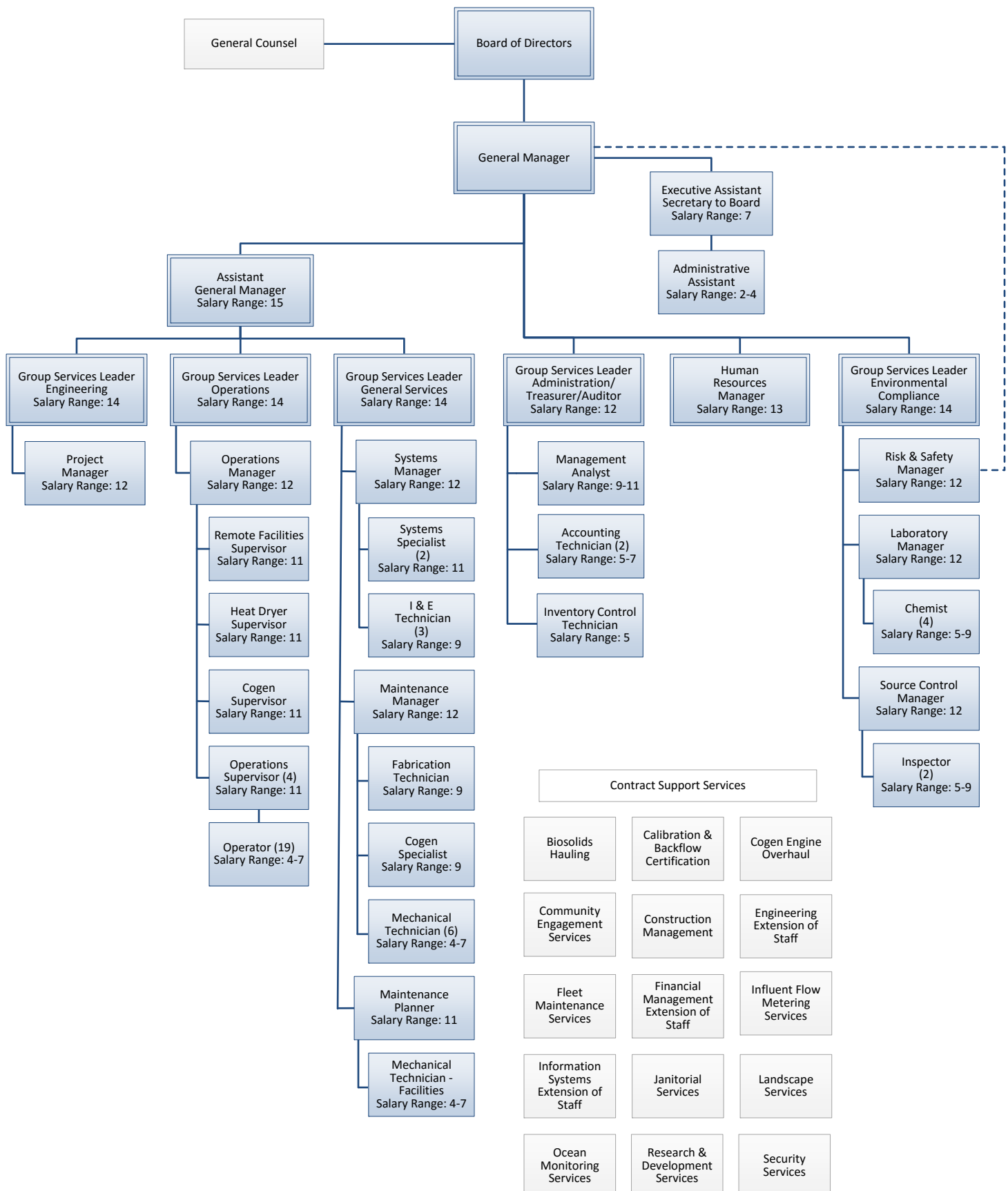
	2016 Budget	% of Total	2017 Budget	% of Total	% Change
CAL PERS Retirement Program	\$ 2,045,107		\$ 2,222,817		8.7%
CAL PERS Employee Contribution	\$ (517,410)		\$ (537,090)		3.8%
Other Post-Employment Benefits	\$ 63,284		\$ 36,000		-43.1%
Flexible Benefits 125 Plan	\$ 1,103,005		\$ 1,064,489		-3.5%
Employee Benefit Contribution	\$ (22,100)		\$ -		-100.0%
Deferred Compensation	\$ 243,799		\$ 255,151		4.7%
Medicare	\$ 97,404		\$ 108,822		11.7%
Unemployment	\$ 29,993		\$ 29,993		0.0%
Workers Compensation Insurance	\$ 170,808		\$ 133,989		-21.6%
Professional Certification	\$ 11,870		\$ 11,870		0.0%
Employee Assistance Program	\$ 1,917		\$ 1,917		0.0%
General Manager Benefits	\$ 14,400		\$ 7,200		-50.0%
Education Assistance	\$ 16,246		\$ 16,246		0.0%
Subtotal Benefits	\$ 3,258,323	32.6%	\$ 3,351,404	31.7%	2.9%
Total Personnel Expense	\$ 9,939,460	100.0%	\$ 10,566,822	100.0%	6.3%

PERSONNEL EXPENSE SUMMARY by PROGRAM

Programs

	2016 Budget	2016 Budget	2017 Budget	2017 Budget	% Change
Encina Water Pollution Control Facility	\$ 4,184,030	34.11	4,499,068	30.74	7.5%
Source Control	\$ 503,478	4.35	483,252	3.35	-4.0%
<i>Agua Hedionda Pump Station</i>	\$ 146,190	1.07	159,078	1.07	8.8%
<i>Buena Vista Pump Station</i>	\$ 144,910	1.06	157,398	1.06	8.6%
<i>Buena Creek Pump Station</i>	\$ 149,999	1.11	163,324	1.11	8.9%
<i>Carlsbad Water Reclamation Facilities</i>	\$ 429,141	3.33	480,849	3.36	12.0%
<i>Raceway Basin Pump Station</i>	\$ 111,115	0.83	121,078	0.83	9.0%
Remote Facilities	\$ 981,354	7.38	\$ 1,081,727	7.42	10.2%
Subtotal	\$ 5,668,862	45.84	\$ 6,064,047	41.51	7.0%
Internal Service Funds	\$ 2,221,499	15.23	\$ 2,180,278	13.53	-1.9%
Subtotal Operating	\$ 7,890,361	61.07	\$ 8,244,325	55.04	4.5%
Capital Program	\$ 2,049,098	12.93	\$ 2,322,497	12.96	13.3%
Total Personnel Expense	\$ 9,939,460	74.00	\$ 10,566,822	68.00	6.3%

FISCAL YEAR 2017 ORGANIZATION CHART (68 FTEs)



FY2017 SALARY SCHEDULE

Range ID	Period	Minimum	Maximum	Range ID	Period	Minimum	Maximum
T1	Hourly	11.2496	15.0756	T9	Hourly	36.2075	48.5214
	Bi-Weekly	\$ 899.96	\$ 1,206.03		Bi-Weekly	\$ 2,896.58	\$ 3,881.69
	Monthly	\$ 1,949.92	\$ 2,613.07		Monthly	\$ 6,275.92	\$ 8,410.34
	Annual	\$ 23,398.95	\$ 31,356.84		Annual	\$ 75,311.05	\$ 100,924.00
T2	Hourly	21.0303	28.1826	T10	Hourly	37.8590	50.7348
	Bi-Weekly	\$ 1,682.53	\$ 2,254.75		Bi-Weekly	\$ 3,028.43	\$ 4,058.40
	Monthly	\$ 3,645.48	\$ 4,885.30		Monthly	\$ 6,561.61	\$ 8,793.19
	Annual	\$ 43,745.83	\$ 58,623.58		Annual	\$ 78,739.29	\$ 105,518.18
T3	Hourly	23.3897	31.3446	T11	Hourly	39.9597	53.5500
	Bi-Weekly	\$ 1,871.04	\$ 2,507.36		Bi-Weekly	\$ 3,196.85	\$ 4,284.08
	Monthly	\$ 4,053.91	\$ 5,432.62		Monthly	\$ 6,926.51	\$ 9,282.18
	Annual	\$ 48,646.87	\$ 65,191.46		Annual	\$ 83,118.13	\$ 111,386.24
T4	Hourly	24.0902	32.2830	M12	Hourly	48.4617	64.9434
	Bi-Weekly	\$ 1,927.25	\$ 2,582.69		Bi-Weekly	\$ 3,876.70	\$ 5,195.16
	Monthly	\$ 4,175.69	\$ 5,595.82		Monthly	\$ 8,399.54	\$ 11,256.18
	Annual	\$ 50,108.27	\$ 67,149.86		Annual	\$ 100,794.38	\$ 135,074.11
T5	Hourly	26.5105	35.5266	M13	Hourly	52.0467	69.7476
	Bi-Weekly	\$ 2,120.75	\$ 2,842.02		Bi-Weekly	\$ 4,164.03	\$ 5,580.19
	Monthly	\$ 4,594.97	\$ 6,157.70		Monthly	\$ 9,022.03	\$ 12,090.40
	Annual	\$ 55,139.63	\$ 73,892.37		Annual	\$ 108,264.52	\$ 145,084.80
T6	Hourly	29.7529	39.8718	M14	Hourly	63.0528	84.4968
	Bi-Weekly	\$ 2,380.55	\$ 3,190.15		Bi-Weekly	\$ 5,044.25	\$ 6,759.76
	Monthly	\$ 5,157.83	\$ 6,911.99		Monthly	\$ 10,929.19	\$ 14,646.15
	Annual	\$ 61,893.97	\$ 82,943.85		Annual	\$ 131,150.16	\$ 175,753.75
T7	Hourly	31.7624	42.5646	M15	Hourly	73.3738	98.3280
	Bi-Weekly	\$ 2,540.88	\$ 3,405.04		Bi-Weekly	\$ 5,869.66	\$ 7,865.90
	Monthly	\$ 5,505.26	\$ 7,377.57		Monthly	\$ 12,717.59	\$ 17,042.79
	Annual	\$ 66,063.05	\$ 88,530.80		Annual	\$ 152,611.10	\$ 204,513.47
T8	Hourly	34.1676	45.7878	GM Contract	Hourly		101.2200
	Bi-Weekly	\$ 2,733.42	\$ 3,663.04		Bi-Weekly	\$	8,097.60
	Monthly	\$ 5,922.42	\$ 7,936.59		Monthly	\$	17,544.80
	Annual	\$ 71,068.84	\$ 95,239.03		Annual	\$	210,537.60

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ENCINA WATER POLLUTION CONTROL FACILITY

The Encina Water Pollution Control Facility (EWPCF), located in Carlsbad, California, provides wastewater treatment services to approximately 411,300 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, with the City of Encinitas Vallecitos Water District, Buena Sanitation District and Leucadia Wastewater District joining the partnership in the subsequent years. 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 79% 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 FY2017, the EWPCF will: (1) clean more than 7.5 billion gallons of water; (2) recycle nearly 1.5 billion gallons for on-site use and regional irrigation; and, (3) stabilize nearly 14.3 million pounds of solids into about 5,400 tons of PureGreen 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 Water Pollution Control Facility

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OPERATING EXPENSE SUMMARY: ENCINA WATER POLLUTION CONTROL FACILITY

PERSONNEL

		Actual FY2015	Budget FY2016	Projected FY2016	Recommended FY2017	% Change
5100	Salaries	\$ 2,899,628	\$ 2,796,336	\$ 2,875,298	\$ 3,080,335	10%
5200	Benefits	\$ 1,268,925	\$ 1,387,694	\$ 1,357,144	\$ 1,418,733	2%
Total Personnel Expenses		\$ 4,168,553	\$ 4,184,030	\$ 4,232,442	\$ 4,499,068	8%

NON-PERSONNEL

		Actual FY2015	Budget FY2016	Projected FY2016	Recommended FY2017	% Change
21001	7330 Specialty Services	\$ 106,560	\$ 143,100	\$ 106,560	\$ 130,000	-9%
22001	5400 CEPT Polymer	\$ 95,382	\$ 99,603	\$ 103,424	\$ 105,000	5%
22001	5401 Ferric Chloride	\$ 284,682	\$ 284,640	\$ 238,759	\$ 235,000	-17%
22001	5402 Odor Control Rock Salt	\$ 2,200	\$ 5,400	\$ 6,409	\$ -	-100%
22001	5403 Odor Control Caustic	\$ 23,359	\$ 25,200	\$ 15,572	\$ -	-100%
22001	5405 Atmospheric Control (Nitrogen)	\$ 22,852	\$ 32,052	\$ 21,885	\$ 27,200	-15%
22001	5406 Pellet Dust Control	\$ 40,669	\$ 97,200	\$ 81,043	\$ 97,000	0%
22001	5407 Sodium Hypochlorite	\$ 39,936	\$ 56,700	\$ 55,163	\$ 56,700	0%
22001	5408 DAF Polymer	\$ 76,186	\$ 74,328	\$ 74,723	\$ 74,300	0%
22001	5409 Dewatering Polymer	\$ 644,056	\$ 579,150	\$ 542,501	\$ 565,000	-2%
22001	5410 Misc. Chemicals	\$ 1,097	\$ -	\$ -	\$ -	0%
22001	5420 Biosolids Disposal	\$ 287,891	\$ 195,038	\$ 328,955	\$ 300,000	54%
22001	5422 Pure Green Marketing	\$ 58,464	\$ 53,000	\$ 16,000	\$ 15,000	-72%
22001	5423 Grit Hauling	\$ 35,827	\$ 80,616	\$ 80,883	\$ 83,600	4%
22001	5431 Water	\$ 23,158	\$ 24,625	\$ 24,643	\$ 25,000	2%
22001	6450 Professional Services	\$ 3,995	\$ 29,000	\$ 33,630	\$ 34,000	17%
22001	6720 Specialty Equipment	\$ 2,272	\$ 1,500	\$ 5,150	\$ 1,600	7%
22001	6920 Permits	\$ 26,167	\$ 24,653	\$ 25,257	\$ 28,000	14%
22001	7130 Public Information	\$ 1,451	\$ 7,000	\$ 3,000	\$ 7,000	0%
22001	7310 Safety & Medical Services	\$ 24,157	\$ 26,000	\$ 22,400	\$ 26,000	0%
22001	7320 Safety Equipment	\$ 93,071	\$ 91,750	\$ 85,750	\$ 89,600	-2%
22001	7330 Specialty Services	\$ 911	\$ 1,250	\$ 1,250	\$ 1,000	-20%
22001	7611 Hazwoper Training	\$ 2,631	\$ 6,875	\$ 6,875	\$ 7,000	2%
22001	7616 First Aid Training	\$ 104	\$ 3,300	\$ 3,300	\$ 600	-82%
22001	7617 Safety Other	\$ 5,951	\$ 6,325	\$ 6,325	\$ 6,500	3%
22001	7620 Contingency	\$ -	\$ 250,000	\$ 250,000	\$ 250,000	0%
23001	5410 Chemicals	\$ 7,467	\$ 7,800	\$ 7,800	\$ 7,500	-4%
23001	5530 Misc. Corrosion Protection	\$ 1,504	\$ 4,000	\$ 5,000	\$ 5,000	25%
23001	5910 Equipment Rental	\$ 15,423	\$ 8,000	\$ 8,000	\$ 8,000	0%
23001	6120 Fuel & Lube	\$ 23,726	\$ 22,602	\$ 22,007	\$ 20,800	-8%
23001	6230 Janitorial	\$ 42,486	\$ 60,000	\$ 52,000	\$ 65,500	9%

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NON-PERSONNEL EXPENSES (cont.)

				Actual FY2015	Budget FY2016	Projected FY2016	Recommended FY2017	% Change
23001	6410	Laundry & Uniforms	\$	15,575	\$ 17,318	\$ 16,500	\$ 17,300	0%
23001	6424	Information Systems	\$	215,750	\$ 239,867	\$ 217,359	\$ 240,000	0%
23001	6510	Mobile Equipment Repair	\$	13,622	\$ 15,400	\$ 22,800	\$ 19,000	23%
23001	6710	Equipment New	\$	3,445	\$ 7,000	\$ 7,000	\$ 7,000	0%
23001	6730	Non-Specific Repair & Maintenance	\$	66,677	\$ 62,000	\$ 74,000	\$ 65,000	5%
23001	6930	Piping & Electrical Repair	\$	87,848	\$ 83,000	\$ 85,972	\$ 95,000	14%
23001	6940	Planned Maintenance	\$	110,444	\$ 95,000	\$ 95,000	\$ 99,500	5%
23001	7010	Plant Contracts	\$	71,276	\$ 124,600	\$ 98,150	\$ 140,000	12%
23001	7330	Specialty Services	\$	118,352	\$ 95,100	\$ 78,000	\$ 101,000	6%
23001	7510	Tools	\$	6,583	\$ 6,300	\$ 6,300	\$ 6,300	0%
24001	6730	Non-Specific Repair & Maintenance	\$	-	\$ 1,500	\$ 1,500	\$ 1,500	0%
24001	6810	Ocean Monitoring	\$	11,832	\$ 15,000	\$ 12,000	\$ 20,000	33%
24001	6911	Effluent Testing	\$	8,800	\$ 19,500	\$ 18,500	\$ 12,000	-38%
24001	6920	Permits	\$	181,404	\$ 187,407	\$ 185,295	\$ 187,500	0%
24001	6940	Planned Maintenance	\$	-	\$ 2,000	\$ 2,000	\$ 2,000	0%
50001	BOD	Professional Development	\$	10,988	\$ 1,100	\$ 550	\$ 1,100	0%
50001	BOD	Board of Directors Fees	\$	48,008	\$ 53,484	\$ 51,300	\$ 51,800	-3%
Total Non-Personnel Expenses			\$	2,964,242	\$ 3,326,282	\$ 3,206,489	\$ 3,337,900	0%

INTERNAL SERVICE FUNDS

				Actual FY2015	Budget FY2016	Projected FY2016	Recommended FY2017	% Change
11001		Administration	\$	1,790,620	\$ 1,854,457	\$ 1,702,280	\$ 1,742,817	-6%
12001		Laboratory	\$	732,800	\$ 760,944	\$ 798,710	\$ 818,863	8%
13001		Energy Management	\$	1,709,329	\$ 2,153,733	\$ 2,117,536	\$ 2,072,190	-4%
Total Internal Service Fund Expenses			\$	4,232,749	\$ 4,769,134	\$ 4,618,526	\$ 4,633,870	-3%
Total Operating Expenses			\$	11,365,544	\$ 12,279,446	\$ 12,057,457	\$ 12,470,838	2%

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). The CWA also covers non-domestic sources of wastewater that discharge directly to a publicly owned treatment works like the EWPCF. Such discharges are regulated by EWA's Pretreatment Ordinance, which is 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 prevent the discharge of pollutants into the Member Agency sewer system, which may interfere with the operation of the EWPCF or pass through the system and negatively impact the ocean environment, the quality of PureGreen fertilizer or the ability to reclaim water. 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 FY2017 staff estimates 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 over 79% of Source Control's budgeted expenses. Over 81% 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 FY2015		Budget FY2016		Projected FY2016		Recommended FY2017		% Change
5100	Salaries	\$	322,526	\$	346,557	\$	339,065	\$	341,971	-1%
5200	Benefits	\$	113,963	\$	156,921	\$	136,496	\$	141,281	-10%
Total Personnel Expenses		\$	436,489	\$	503,478	\$	475,561	\$	483,252	-4%

NON-PERSONNEL

		Actual FY2015		Budget FY2016		Projected FY2016		Recommended FY2017		% Change
40001	5520 Books	\$	-	\$	250	\$	250	\$	250	0%
40001	5930 Equipment Replacement	\$	4,671	\$	4,600	\$	4,700	\$	600	-87%
40001	6120 Fuel & Lube	\$	1,664	\$	2,250	\$	1,500	\$	1,725	-23%
40001	6310 Lab Equipment Repair	\$	3,217	\$	4,925	\$	4,650	\$	4,925	0%
40001	6410 Laundry & Uniforms	\$	1,019	\$	1,560	\$	1,400	\$	1,560	0%
40001	6422 Legal Notices	\$	702	\$	750	\$	750	\$	750	0%
40001	6450 Professional Services	\$	-	\$	-	\$	-	\$	75,000	100%
40001	7120 Printing & Reproduction	\$	373	\$	500	\$	500	\$	500	0%
40001	7130 Public Information	\$	2,205	\$	4,000	\$	1,500	\$	3,000	-25%
Total Non-Personnel Expenses		\$	13,851	\$	18,835	\$	15,250	\$	88,310	369%

INTERNAL SERVICE FUNDS

		Actual FY2015		Budget FY2016		Projected FY2016		Recommended FY2017		% Change
11001	Administration	\$	70,758	\$	97,717	\$	89,698	\$	95,409	-2%
12001	Laboratory	\$	65,171	\$	117,041	\$	71,033	\$	72,825	-38%
13001	Energy Management	\$	1,711	\$	-	\$	2,120	\$	2,074	100%
Total Internal Service Fund Expenses		\$	137,640	\$	214,758	\$	162,851	\$	170,308	-21%
Total Operating Expenses		\$	587,980	\$	737,071	\$	653,662	\$	741,870	1%

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REMOTE FACILITIES

AGUA HEDIONDA PUMP STATION

The Agua Hedionda Pump Station (AHPS) is part of the Encina Joint Sewerage System and 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 AHPS is operated by EWA under a contract with the owner agencies. 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 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 BVPS is operated by EWA under a contract with the owner agencies. 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.



Buena Creek Pump Station

REMOTE FACILITIES (cont.)

CARLSBAD WATER RECYCLING FACILITY

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

Capacity – The CWRF recycles secondary effluent produced at the EWPCF, which is conveyed throughout the City for irrigation purposes. A plant expansion, to be completed during FY 2017, will increase plant capacity to 7 MGD.

Cost Allocation – The CWRF is operated by EWA under a contract with the City of Carlsbad. 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

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 rated 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.



Raceway Basin Pump Station

OPERATING EXPENSE SUMMARY: AGUA HEDIONDA PUMP STATION

PERSONNEL

		Actual FY2015	Budget FY2016	Projected FY2016	Recommended FY2017	% Change
5100	Salaries	\$ 94,241	\$ 99,380	\$ 112,796	\$ 106,660	7%
5200	Benefits	\$ 39,020	\$ 46,811	\$ 47,808	\$ 52,418	12%
Total Personnel Expenses		\$ 133,261	\$ 146,190	\$ 160,604	\$ 159,078	9%

NON-PERSONNEL

		Actual FY2015	Budget FY2016	Projected FY2016	Recommended FY2017	% Change
31001	5431 Water	\$ 8,305	\$ 10,188	\$ 9,222	\$ 9,500	-7%
31001	5435 Electricity	\$ 77,905	\$ 82,564	\$ 83,556	\$ 90,000	9%
31001	5910 Equipment Rental	\$ 307	\$ 1,000	\$ 200	\$ 1,000	0%
31001	6120 Fuel & Lube	\$ 2,895	\$ 3,482	\$ 3,482	\$ 3,500	1%
31001	6410 Laundry & Uniforms	\$ 265	\$ 312	\$ 250	\$ 300	-4%
31001	6730 Non-Specific Repair & Maintenance	\$ 2,448	\$ 2,500	\$ 2,500	\$ 2,500	0%
31001	6920 Permits	\$ 2,088	\$ 2,588	\$ 2,588	\$ 3,000	16%
31001	6930 Piping & Electrical Repair	\$ 3,459	\$ 3,500	\$ 3,500	\$ 3,500	0%
31001	6940 Planned Maintenance	\$ 2,415	\$ 8,500	\$ 8,500	\$ 8,500	0%
31001	7010 Plant Contracts	\$ 2,780	\$ 2,700	\$ 2,700	\$ 2,700	0%
31001	7320 Safety Equipment	\$ 718	\$ 800	\$ 700	\$ 800	0%
31001	7330 Specialty Services	\$ 7,780	\$ 11,550	\$ 11,550	\$ 11,500	0%
Total Non-Personnel Expenses		\$ 111,364	\$ 129,684	\$ 128,748	\$ 136,800	5%

INTERNAL SERVICE FUNDS

		Actual FY2015	Budget FY2016	Projected FY2016	Recommended FY2017	% Change
11001	Administration	\$ 41,821	\$ 44,829	\$ 41,150	\$ 42,826	-4%
Total Internal Service Fund Expenses		\$ 41,821	\$ 44,829	\$ 41,150	\$ 42,826	-4%
Total Operating Expenses		\$ 286,446	\$ 320,703	\$ 330,502	\$ 338,704	6%

OPERATING EXPENSE SUMMARY: BUENA VISTA PUMP STATION

PERSONNEL

		Actual FY2015	Budget FY2016	Projected FY2016	Recommended FY2017	% Change
5100	Salaries	\$ 93,761	\$ 98,527	\$ 112,981	\$ 105,406	7%
5200	Benefits	\$ 38,602	\$ 46,383	\$ 47,428	\$ 51,992	12%
Total Personnel Expenses		\$ 132,363	\$ 144,910	\$ 160,409	\$ 157,398	9%

NON-PERSONNEL

		Actual FY2015	Budget FY2016	Projected FY2016	Recommended FY2017	% Change
32001	5431 Water	\$ 2,460	\$ 2,655	\$ 2,088	\$ 2,500	-6%
32001	5435 Electricity	\$ 182,190	\$ 190,152	\$ 206,701	\$ 210,000	10%
32001	5910 Equipment Rental	\$ 412	\$ 300	\$ 300	\$ 300	0%
32001	6120 Fuel & Lube	\$ 3,630	\$ 4,826	\$ 4,826	\$ 3,400	-30%
32001	6410 Laundry & Uniforms	\$ 265	\$ 312	\$ 250	\$ 300	-4%
32001	6730 Non-Specific Repair & Maintenance	\$ 1,039	\$ 3,000	\$ 3,000	\$ 3,000	0%
32001	6920 Permits	\$ 1,721	\$ 2,541	\$ 2,541	\$ 2,600	2%
32001	6930 Piping & Electrical Repair	\$ 3,626	\$ 5,000	\$ 5,000	\$ 5,000	0%
32001	6940 Planned Maintenance	\$ 3,805	\$ 7,000	\$ 7,000	\$ 7,000	0%
32001	7010 Plant Contracts	\$ 3,000	\$ 3,200	\$ 3,200	\$ 3,200	0%
32001	7320 Safety Equipment	\$ 915	\$ 1,000	\$ 700	\$ 1,000	0%
32001	7330 Specialty Services	\$ 11,116	\$ 15,750	\$ 15,750	\$ 15,750	0%
Total Non-Personnel Expenses		\$ 214,179	\$ 235,735	\$ 251,356	\$ 254,050	8%

INTERNAL SERVICE FUNDS

		Actual FY2015	Budget FY2016	Projected FY2016	Recommended FY2017	% Change
11001	Administration	\$ 60,053	\$ 57,623	\$ 52,894	\$ 52,593	-9%
Total Internal Service Fund Expenses		\$ 60,053	\$ 57,623	\$ 52,894	\$ 52,593	-9%
Total Operating Expenses		\$ 406,595	\$ 438,268	\$ 464,659	\$ 464,041	6%

OPERATING EXPENSE SUMMARY: BUENA CREEK PUMP STATION

PERSONNEL

		Actual FY2015	Budget FY2016	Projected FY2016	Recommended FY2017	% Change
5100	Salaries	\$ 93,056	\$ 102,150	\$ 113,176	\$ 109,471	7%
5200	Benefits	\$ 38,188	\$ 47,849	\$ 48,169	\$ 53,853	13%
Total Personnel Expenses		\$ 131,244	\$ 149,999	\$ 161,345	\$ 163,324	9%

NON-PERSONNEL

		Actual FY2015	Budget FY2016	Projected FY2016	Recommended FY2017	% Change
37001	5431 Water	\$ 2,433	\$ 2,704	\$ 2,371	\$ 2,500	-8%
37001	5435 Electricity	\$ 111,566	\$ 116,628	\$ 117,760	\$ 120,000	3%
37001	6120 Fuel & Lube	\$ 3,319	\$ 4,077	\$ 4,077	\$ 3,000	-26%
37001	6410 Laundry & Uniforms	\$ 265	\$ 312	\$ 250	\$ 300	-4%
37001	6710 Equipment New	\$ -	\$ 500	\$ 500	\$ 500	0%
37001	6730 Non-Specific Repair & Maintenance	\$ 606	\$ 2,000	\$ 2,000	\$ 2,000	0%
37001	6920 Permits	\$ 1,612	\$ 2,853	\$ 2,853	\$ 2,850	0%
37001	6930 Piping & Electrical Repair	\$ 4,234	\$ 5,000	\$ 5,000	\$ 5,000	0%
37001	6940 Planned Maintenance	\$ 1,644	\$ 4,000	\$ 4,000	\$ 4,000	0%
37001	7010 Plant Contracts	\$ -	\$ 1,500	\$ -	\$ 1,500	0%
37001	7320 Safety Equipment	\$ 719	\$ 700	\$ 700	\$ 700	0%
37001	7330 Specialty Services	\$ 10,101	\$ 18,650	\$ 18,650	\$ 18,650	0%
Total Non-Personnel Expenses		\$ 136,498	\$ 158,924	\$ 158,161	\$ 161,000	1%

INTERNAL SERVICE FUNDS

		Actual FY2015	Budget FY2016	Projected FY2016	Recommended FY2017	% Change
11001	Administration	\$ 42,895	\$ 45,726	\$ 41,974	\$ 43,353	-5%
Total Internal Service Fund Expenses		\$ 42,895	\$ 45,726	\$ 41,974	\$ 43,353	-5%
Total Operating Expenses		\$ 310,637	\$ 354,649	\$ 361,480	\$ 367,677	4%

OPERATING EXPENSE SUMMARY: CARLSBAD WATER RECYCLING FACILITY

PERSONNEL

		Actual FY2015	Budget FY2016	Projected FY2016	Recommended FY2017	% Change
5100	Salaries	\$ 299,363	\$ 287,466	\$ 315,008	\$ 319,240	11%
5200	Benefits	\$ 126,963	\$ 141,675	\$ 141,493	\$ 161,609	14%
Total Personnel Expenses		\$ 426,326	\$ 429,141	\$ 456,501	\$ 480,849	12%

NON-PERSONNEL

		Actual FY2015	Budget FY2016	Projected FY2016	Recommended FY2017	% Change
38001	5394 Caustic Membrane Filtration	\$ -	\$ 4,200	\$ 1,200	\$ 6,000	43%
38001	5395 Citric Acid	\$ -	\$ 2,775	\$ 1,850	\$ 5,550	100%
38001	5407 Sodium Hypochlorite	\$ 65,525	\$ 72,576	\$ 70,224	\$ 120,960	67%
38001	5408 Thickening Polymer	\$ -	\$ -	\$ -	\$ 3,300	100%
38001	5410 Chemicals	\$ 139	\$ -	\$ -	\$ -	0%
38001	5411 Sodium Bisulfate	\$ -	\$ -	\$ -	\$ 5,000	100%
38001	5412 Alum	\$ -	\$ -	\$ -	\$ 14,100	100%
38001	5435 Electricity	\$ 96,237	\$ 121,973	\$ 110,178	\$ 118,100	-3%
38001	5530 Misc. Corrosion Protection	\$ -	\$ 1,000	\$ 1,000	\$ 1,000	0%
38001	5910 Equipment Rental	\$ -	\$ 1,500	\$ 1,500	\$ 1,500	0%
38001	6120 Fuel & Lube	\$ 2,271	\$ 1,934	\$ 1,934	\$ 1,900	-2%
38001	6230 Janitorial	\$ 1,911	\$ 2,100	\$ 2,100	\$ 2,100	0%
38001	6410 Laundry & Uniforms	\$ 795	\$ 1,236	\$ 1,100	\$ 1,250	1%
38001	6424 Information Systems	\$ 3,987	\$ 4,000	\$ 4,000	\$ 4,000	0%
38001	6730 Non-Specific Repair & Maintenance	\$ 7,936	\$ 8,000	\$ 8,000	\$ 8,000	0%
38001	6920 Permits	\$ 17,291	\$ 17,291	\$ 17,291	\$ 17,300	0%
38001	6930 Piping & Electrical Repair	\$ 3,801	\$ 4,000	\$ 4,000	\$ 4,000	0%
38001	6940 Planned Maintenance	\$ 20,098	\$ 23,800	\$ 23,800	\$ 23,800	0%
38001	7010 Plant Contracts	\$ 850	\$ 7,050	\$ 1,050	\$ 4,050	-43%
38001	7320 Safety Equipment	\$ 1,221	\$ 1,200	\$ 1,200	\$ 1,200	0%
38001	7330 Specialty Services	\$ 11,223	\$ 21,050	\$ 21,050	\$ 21,050	0%
38001	7510 Tools	\$ 468	\$ 500	\$ 500	\$ 500	0%
Total Non-Personnel Expenses		\$ 233,754	\$ 296,185	\$ 271,976	\$ 364,660	23%

INTERNAL SERVICE FUNDS

		Actual FY2015	Budget FY2016	Projected FY2016	Recommended FY2017	% Change
11001	Administration	\$ 113,909	\$ 128,423	\$ 117,884	\$ 130,625	2%
12001	Laboratory	\$ 36,983	\$ 25,484	\$ 40,310	\$ 41,327	62%
Total Internal Service Fund Expenses		\$ 150,892	\$ 153,907	\$ 158,194	\$ 171,952	12%
Total Operating Expenses		\$ 810,972	\$ 879,233	\$ 886,671	\$ 1,017,461	16%

OPERATING EXPENSE SUMMARY: RACEWAY BASIN PUMP STATION

PERSONNEL

		Actual FY2015	Budget FY2016	Projected FY2016	Recommended FY2017	% Change
5100	Salaries	\$ 67,029	\$ 75,135	\$ 80,002	\$ 80,711	7%
5200	Benefits	\$ 28,153	\$ 35,979	\$ 35,222	\$ 40,367	12%
Total Personnel Expenses		\$ 95,182	\$ 111,115	\$ 115,224	\$ 121,078	9%

NON-PERSONNEL

		Actual FY2015	Budget FY2016	Projected FY2016	Recommended FY2017	% Change
39001	5431 Water	\$ 585	\$ 575	\$ 672	\$ 700	22%
39001	5435 Electricity	\$ 24,850	\$ 25,341	\$ 25,854	\$ 26,700	5%
39001	5445 Telephone	\$ -	\$ 600	\$ 600	\$ 600	0%
39001	5910 Equipment Rental	\$ -	\$ 300	\$ 300	\$ 300	0%
39001	6120 Fuel & Lube	\$ 2,785	\$ 4,376	\$ 4,376	\$ 3,500	-20%
39001	6410 Laundry & Uniforms	\$ 265	\$ 312	\$ 250	\$ 300	-4%
39001	6710 Equipment New	\$ 17	\$ 250	\$ 250	\$ 250	0%
39001	6730 Non-Specific Repair & Maintenance	\$ 166	\$ 2,000	\$ 2,000	\$ 2,000	0%
39001	6920 Permits	\$ 1,610	\$ 2,097	\$ 2,097	\$ 2,100	0%
39001	6930 Piping & Electrical Repair	\$ 8,060	\$ 2,000	\$ 2,000	\$ 2,000	0%
39001	6940 Planned Maintenance	\$ 521	\$ 3,000	\$ 3,000	\$ 3,000	0%
39001	7010 Plant Contracts	\$ 1,780	\$ 2,250	\$ 2,250	\$ 2,250	0%
39001	7320 Safety Equipment	\$ 693	\$ 650	\$ 650	\$ 650	0%
39001	7330 Specialty Services	\$ 21,533	\$ 12,150	\$ 12,150	\$ 12,150	0%
Total Non-Personnel Expenses		\$ 62,866	\$ 55,901	\$ 56,449	\$ 56,500	1%

INTERNAL SERVICE FUNDS

		Actual FY2015	Budget FY2016	Projected FY2016	Recommended FY2017	% Change
11001	Administration	\$ 24,664	\$ 29,010	\$ 26,629	\$ 28,186	-3%
Total Internal Service Fund Expenses		\$ 24,664	\$ 29,010	\$ 26,629	\$ 28,186	-3%
Total Operating Expenses		\$ 182,712	\$ 196,026	\$ 198,302	\$ 205,764	5%

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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 FY2015 the Laboratory generated \$131,738 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 13 million kilowatt hours of green electricity per year from biogas thus providing more than 79% 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 30 of the Green Power Leadership Club for On-Site Generation since 2011.



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OPERATING EXPENSE SUMMARY: INTERNAL SERVICE FUNDS

PERSONNEL EXPENSES

		Actual FY2015	Budget FY2016	Projected FY2016	Recommended FY2017	% Change
5100	Salaries	\$ 1,471,718	\$ 1,482,974	\$ 1,468,013	\$ 1,475,478	-1%
5200	Benefits	\$ 671,695	\$ 738,525	\$ 685,903	\$ 704,800	-5%
Total Personnel Expenses		\$ 2,143,413	\$ 2,221,499	\$ 2,153,916	\$ 2,180,278	-2%

NON-PERSONNEL EXPENSES

		Actual FY2015	Budget FY2016	Projected FY2016	Recommended FY2017	% Change
11001	5445 Telephone	\$ 52,011	\$ 50,160	\$ 51,545	\$ 50,160	0%
11001	5510 Advertising	\$ 7,680	\$ 4,336	\$ 3,156	\$ 4,350	0%
11001	5810 Employee Recognition	\$ 10,377	\$ 8,510	\$ 9,225	\$ 8,500	0%
11001	5920 Equipment Repair Maint	\$ 24,354	\$ 26,280	\$ 24,568	\$ 26,300	0%
11001	6210 Independent Auditor/Actuary	\$ 25,320	\$ 30,500	\$ 25,320	\$ 30,500	0%
11001	6220 Insurance	\$ 232,531	\$ 244,920	\$ 213,233	\$ 243,700	0%
11001	6420 Legal Services	\$ 43,697	\$ 87,225	\$ 79,250	\$ 84,000	-4%
11001	6430 Memberships	\$ 81,635	\$ 76,361	\$ 76,505	\$ 74,000	-3%
11001	6440 Mileage Reimbursement	\$ 3,100	\$ 4,800	\$ 3,150	\$ 4,800	0%
11001	6450 Professional Services	\$ 279,171	\$ 276,300	\$ 274,980	\$ 259,600	-6%
11001	6830 Materials & Supplies	\$ 25,259	\$ 27,240	\$ 22,162	\$ 27,200	0%
11001	7110 Postage	\$ 4,915	\$ 6,393	\$ 5,294	\$ 6,400	0%
11001	7120 Printing & Reproduction	\$ 3,002	\$ 3,400	\$ 3,564	\$ 5,050	49%
11001	7320 Safety Equipment	\$ 80	\$ -	\$ -	\$ -	0%
11001	7410 Subscriptions	\$ 285	\$ 1,240	\$ 523	\$ 550	-56%
11001	7610 Professional Development	\$ 124,919	\$ 119,354	\$ 123,456	\$ 138,900	16%
12001	5520 Books	\$ -	\$ 500	\$ 450	\$ 500	0%
12001	6120 Fuel & Lube	\$ 567	\$ 563	\$ 500	\$ 500	-11%
12001	6310 Lab Equipment Repair	\$ 26,770	\$ 28,850	\$ 27,438	\$ 29,300	2%
12001	6320 Lab Minor Equip Replace	\$ 10,262	\$ 12,300	\$ 11,000	\$ 3,500	-72%
12001	6330 Lab Supplies	\$ 65,666	\$ 70,000	\$ 67,800	\$ 76,950	10%
12001	6410 Laundry & Uniforms	\$ 3,180	\$ 3,952	\$ 3,300	\$ 3,950	0%
12001	6450 Professional Services	\$ 5,322	\$ 6,000	\$ 5,382	\$ 6,000	0%
12001	6810 Ocean Monitoring	\$ -	\$ -	\$ -	\$ -	0%
12001	6910 Outside Analysis	\$ 7,806	\$ 25,000	\$ 22,000	\$ 6,000	-76%
12001	6911 Effluent Testing	\$ 4,500	\$ 2,000	\$ 2,000	\$ 2,000	0%
12001	6912 Biosolids Testing	\$ 6,402	\$ 11,250	\$ 8,750	\$ 11,250	0%
12001	6913 Industrial User Testing	\$ 19,293	\$ 30,000	\$ 29,500	\$ 32,000	7%
12001	6920 Permits	\$ 7,737	\$ 8,750	\$ 8,478	\$ 4,000	-54%
12001	7120 Printing & Reproduction	\$ 379	\$ 500	\$ 480	\$ 750	50%
12001	7330 Specialty Services	\$ 8,024	\$ 26,750	\$ 19,050	\$ 25,250	-6%
13001	5410 Chemicals	\$ 8,872	\$ 9,916	\$ 9,916	\$ 10,100	2%
13001	5435 Electricity	\$ 948,374	\$ 1,083,457	\$ 1,065,058	\$ 1,131,800	4%

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NON-PERSONNEL EXPENSES (cont.)			Actual FY2015	Budget FY2016	Projected FY2016	Recommended FY2017	% Change
13001	5440	Natural Gas	\$ 313,142	\$ 571,266	\$ 508,851	\$ 408,550	-28%
13001	5520	Books	\$ 119	\$ -	\$ -	\$ -	0%
13001	6120	Fuel & Lube	\$ 29,117	\$ 29,500	\$ 40,500	\$ 40,500	37%
13001	6230	Janitorial	\$ 2,550	\$ 1,500	\$ 1,500	\$ 1,500	0%
13001	6410	Laundry & Uniforms	\$ 1,712	\$ 1,796	\$ 1,300	\$ 1,800	0%
13001	6730	Non-Specific Repair & Maintenance	\$ 19,948	\$ 20,000	\$ 20,000	\$ 20,000	0%
13001	6920	Permits	\$ 13,330	\$ 21,519	\$ 21,519	\$ 21,500	0%
13001	6940	Planned Maintenance	\$ 76,830	\$ 75,100	\$ 75,100	\$ 75,100	0%
13001	7320	Safety Equipment	\$ 28	\$ -	\$ -	\$ -	0%
13001	7330	Specialty Services	\$ 47,538	\$ 84,500	\$ 77,800	\$ 84,500	0%
13001	7510	Tools	\$ 1,495	\$ 1,500	\$ 4,700	\$ 1,500	0%
Total Non-Personnel Expenses			\$ 2,547,301	\$ 3,093,488	\$ 2,948,303	\$ 2,962,810	-4%
Total Operating Expenses			\$ 4,690,714	\$ 5,314,987	\$ 5,102,219	\$ 5,143,088	-3%

CAPITAL PROGRAM

The Authority's Capital Program consists of the following elements: (1) Capital Improvement Projects; (2) Planned Asset Replacement; (3) Capital Acquisitions & Minor Plant Rehabilitation; (4) Five-Year Capital Improvement Plan; and, (5) Twenty Year Capital Improvement Plan.

Capital Improvement Projects – Capital Improvement Projects are those projects exceeding \$50,000 that increase or maintain the capacity of the Joint System. These projects regularly span multiple fiscal years and, therefore, unspent appropriations are typically carried forward by the Authority's annual Appropriations Resolution. Capital Project costs are allocated to Member Agencies based on ownership of the affected facilities. All Capital Projects are studied, designed, and executed pursuant to EWA's Comprehensive Asset Management Plan.



Aeration Basin

Planned Asset Replacement – Planned Asset Replacement projects exceed \$20,000 and extend the useful life of existing Joint System facilities. These projects are typically completed within a fiscal year, however, if a project cannot be completed, the Authority's annual Appropriations Resolution will identify unspent appropriations to be carried forward. Planned Asset Replacement costs are allocated based on ownership of the affected facilities.

Capital Acquisitions & Minor Plant Rehabilitation – Capital Acquisitions & Minor Plant Rehabilitation include the purchase of new items and facility projects that cost more than \$5,000 and maintain the capacity and useful life of existing Joint System facilities. Expenditures are allocated based on the benefiting program or internal service fund, while facility repair project costs are allocated based on ownership of the affected facilities.

CAPITAL PROGRAM (cont.)

LONG TERM CAPITAL IMPROVEMENTS

Five-Year Capital Improvement Plan – The Five-Year Capital Improvement Plan includes expenditure projections for current and planned projects expected to require additional appropriations through FY2021, as identified by EWA’s Comprehensive Asset Management Plan (CAMP) documents. The Five-Year Capital Improvement Plan is developed and sequenced pursuant to EWA’s Comprehensive Asset Management Plan.

Long-Term Financial Capital Plan Twenty-Year – The Twenty-Year Capital Improvement Plan includes expenditure projections for current and planned projects expected to require additional appropriations through FY2036, as identified by EWA’s CAMP documents.

Engineering estimates for both the Five-Year and Twenty-Year Programs assume annual inflation rate increases based on the Engineering News Record Construction Cost Index for Los Angeles (ENRCLA). The ENR cost index is a widely accepted method for tracking trends in industrial construction such as wastewater treatment plants. As planning reports are updated or other information becomes available, the long-term financial schedules may be revised. Capital Programs may also be modified due to unanticipated wastewater service requirements by one or more Member Agencies, changes in local population and development growth patterns, and new regulatory requirements.

SUMMARY of CAPITAL EXPENSES

	Actual FY2015		Budget FY2016		Recommended FY2017
Capital Improvements	\$	8,602,056	\$	11,340,000	\$ 9,604,000
Planned Asset Replacement	\$	825,410	\$	776,500	\$ 698,400
Capital Acquisitions & Minor Plant Rehabilitation	\$	691,292	\$	930,732	\$ 541,000
Subtotal	\$	10,118,758	\$	13,047,232	\$ 10,843,400
Salaries & Benefits	\$	1,915,493	\$	2,049,098	\$ 2,322,497
Total Capital Expense	\$	12,034,251	\$	15,096,330	\$ 13,165,897

ESTIMATED REVENUES

	Actual FY2015		Budget FY2016		Recommended FY2017
City of Carlsbad	\$	2,914,275	\$	3,747,191	\$ 3,191,712
City of Vista	\$	3,089,911	\$	4,046,831	\$ 3,442,320
Buena Sanitation District	\$	893,640	\$	1,153,761	\$ 972,246
Vallecitos Water District	\$	2,669,118	\$	3,013,630	\$ 2,868,993
Leucadia Wastewater District	\$	2,000,052	\$	2,501,842	\$ 2,147,381
City of Encinitas	\$	505,965	\$	633,076	\$ 543,245
Total Capital Revenue	\$	12,072,961	\$	15,096,330	\$ 13,165,897

CAPITAL IMPROVEMENT PROGRAM
MULTI-YEAR PROJECTS

	Budget FY2016		Recommended FY2017		Change %
<i>Liquid Process Improvements</i>	\$	6,482,000	\$	2,100,000	-68%
<i>Outfall</i>	\$	-	\$	100,000	100%
<i>Solids Process Improvements</i>	\$	1,839,000	\$	975,000	-47%
<i>Energy Management</i>	\$	275,000	\$	325,000	18%
<i>General Improvements</i>	\$	716,000	\$	1,304,000	82%
<i>Technology Master Plan</i>	\$	613,000	\$	3,000,000	389%
<i>Professional Services</i>	\$	1,415,000	\$	1,800,000	27%
Total Capital Improvement Projects	\$	11,340,000	\$	9,604,000	-15%
Planned Asset Replacements	\$	776,500	\$	698,400	-10%
Capital Acquisitions & Minor Plant Rehabilitation	\$	930,732	\$	541,000	-42%
Personnel	\$	2,049,098	\$	2,322,497	13%
Total Capital Expense	\$	15,096,330	\$	13,165,897	-13%

CAPITAL IMPROVEMENTS

ORG	Object	Project	Description	Amount
91702	8334	13017	A- Basin Cover Replacement - Design	\$ 50,000
91702	8335	13017	A- Basin Cover Replacement - Construction	\$ 2,000,000
91702	8337	13017	A- Basin Cover Replacement - Construction Management	\$ 50,000
91702	8339	21002	Ocean Outfall Maintenance and Inspection - External Technical Services	\$ 100,000
91702	8334	32014	Digester Settlement Mitigation - Design	\$ 50,000
91702	8335	32014	Digester Settlement Mitigation - Construction	\$ 450,000
91702	8335	32017	Centrifuge Bowl and Coveyor Bearing Rehabilitation	\$ 475,000
91702	8335	41005	Engine Top-End Overhauls - Construction	\$ 325,000
91702	8335	51001	ORF I Media Replacement - Construction	\$ 100,000
91702	8334	52012	Site Security Facilities - Design	\$ 39,000
91702	8335	52012	Site Security Facilities - Construction	\$ 264,000
91702	8336	52012	Site Security Facilities - Construction Engineering	\$ 12,000
91702	8337	52012	Site Security Facilities - Construction Management	\$ 15,000
91702	8334	52021	Climate Control at MCCs - Design	\$ 75,000
91702	8335	52021	Climate Control at MCCs - Construction	\$ 400,000
91702	8336	52021	Climate Control at MCCs - Construction Engineering	\$ 25,000
91702	8337	52021	Climate Control at MCCs - Construction Management	\$ 25,000
91702	8334	52032	Painting and Protective Coatings - Design	\$ 12,000
91702	8335	52032	Painting and Protective Coatings - Construction	\$ 128,000
91702	8337	52032	Painting and Protective Coatings - Construction Management	\$ 9,000
91702	8334	52037	Independent Metering with Plant	\$ 40,000
91702	8335	52037	Independent Metering with Plant	\$ 160,000
91702	8335	61201	SCADA Network DB Project - Construction	\$ 2,500,000
91702	8337	61201	SCADA Network DB Project - Construction Management	\$ 500,000
91702	8333	81009	Asset Condition Assessments	\$ 50,000
91702	8339	83001	E-CAMP Update	\$ 150,000
91702	8339	84001	Extension Of Staff Engineering Services	\$ 200,000
91702	8339	84002	Research & Development	\$ 50,000
91702	8339	84008	O&M Document Mgmt.	\$ 100,000
91702	8332	82015	Potable Reuse Study - Phase II	\$ 250,000
91702	8332	84017	Energy Mgmt. Strategic Plan Update	\$ 250,000
91702	8332	84018	Water Wise Drought Tolerant Landscape Program - Study	\$ 25,000
91702	8335	84018	Water Wise Drought Tolerant Landscape Program - Construction	\$ 175,000
91702	8339	84019	CMMS & Asset Mgmt. Development	\$ 200,000
91702	8332	84020	Operations Optimization Plan	\$ 150,000
91702	8332	84021	Biosolids Management Plan	\$ 200,000
Total Capital Improvement				\$ 9,604,000

PLANNED ASSET REPLACEMENT

ORG	Object	Project	Description	Amount
80002	8010	80017	Admin Chiller Compressor Replacement	\$ 57,700
80002	8010	80057	Door, Hinge and Lock Replacements	\$ 22,000
80002	8010	80067	General Plant Expense	\$ 121,000
80002	8010	80025	Plant Lighting	\$ 27,000
80002	8020	80035	DAF Equipment Replacement	\$ 26,000
80002	8020	80045	TWAS Pump Rebuild	\$ 29,000
80002	8030	80077	Seeps EQ Pump Rebuild	\$ 30,000
80002	8030	80087	Seeps Intermediate EQ Pump Rebuild	\$ 29,000
80002	8030	80097	Seeps VFD #4 300hp Emergency Pump Replacement	\$ 80,000
80002	8030	80107	Water Systems Pump Rebuilds	\$ 43,000
80002	8050	80117	Primary and CEPT Pump Rebuilds	\$ 25,000
80002	8050	80127	Progressive Cavity Sludge Pump	\$ 31,000
80002	8060	80137	Secondary Processing Equipment Rehabilitation	\$ 20,000
80002	8070	80147	Digester Mix Pump and Blower Rebuild	\$ 27,700
80002	8080	80167	Centrifuge Feed Pump Grinder 1 and 2 Rebuild	\$ 20,000
80002	8080	80177	Dryer Critical Spares	\$ 25,000
80002	8080	80187	Solids Processing Pumps and Equipment Rebuild	\$ 45,000
80002	8090	80197	Heat Recovery Pump and Blower Rebuild	\$ 40,000
Total Planned Asset Replacement				\$ 698,400

CAPITAL ACQUISITIONS & MINOR PLANT REHABILITATION

ORG	Object	Project	Description	Amount
11002	7710	70017	Payroll Conversion	\$ 6,600
12002	7730	70027	Autoclave Sterilizer Replacement	\$ 12,000
12002	7730	70037	Influent Flow Meter ADS	\$ 13,200
12002	7730	70057	Stationary Sampler Replacement	\$ 6,600
22002	7730	70067	Research Grade Phase Contrast Microscope with Camera	\$ 7,500
23002	7710	70046	MUNIS Enhancements	\$ 30,000
23002	7710	70077	Website Enhancement	\$ 13,500
23002	7730	70087	New Equipment - Mobile Crane	\$ 5,000
23002	7740	70097	Forklift Rehab	\$ 15,000
23002	7740	70107	Vehicle Replacement	\$ 32,000
23002	7750	70117	Effluent Sump Pump Replacement	\$ 5,000
23002	7750	70127	Primary & Secondary ORF Fans Rebalance	\$ 5,000
23002	7750	70137	Tank Drainage Rebuild	\$ 9,000
31002	7750	70345	AHPS - Grinder Rebuild	\$ 15,000
31002	7750	70355	AHPS - Pump Rebuild	\$ 13,000
31002	7750	70386	AHPS - Unplanned Minor Rehab	\$ 5,000
31002	7750	70365	AHPS - VFD Repairs	\$ 10,000
32002	7750	70147	BVPS - Automatic Transfer Switch Replacement	\$ 12,000
32002	7750	70395	BVPS - Grinder Rebuild	\$ 32,000
32002	7750	70406	BVPS - Sewage Pump and Motor Rebuild	\$ 30,000
32002	7750	70446	BVPS - Unplanned Minor Rehab	\$ 5,000
32002	7750	70157	BVPS - VFD Repairs	\$ 12,000
37002	7750	70475	BCPS - Grinder Rebuild/Replace	\$ 30,000
37002	7750	70465	BCPS - Sewage Pump Rebuild	\$ 20,000
37002	7750	70495	BCPS - Unplanned Minor Rehab	\$ 6,000
37002	7750	70485	BCPS - VFD Repairs	\$ 10,000
38002	7750	70167	CWRF - Chlorine Meter Replacement	\$ 8,000
38002	7750	70525	CWRF - Unplanned Minor Rehab	\$ 10,000
38002	7750	70177	CWRF - VFD Repairs	\$ 8,000
38002	7750	70187	CWRF - GMF and MF Feed Pumps Rebuild	\$ 44,600
39002	7750	70197	RBPS - Containment Valve Repair	\$ 35,000
39002	7750	70566	RBPS - Grinder Rebuild	\$ 30,000
39002	7750	70207	RBPS - Sewage Sump Rebuild	\$ 30,000
39002	7750	70555	RBPS - Unplanned Minor Rehab	\$ 5,000
39002	7750	70217	RBPS - VFD Repairs	\$ 10,000
Total Capital Acquisitions & Minor Plant Rehabilitation				\$ 541,000

LONG-TERM CAPITAL FINANCIAL PLAN

5 YEAR *and* 20 YEAR CAPITAL BUDGET

Fiscal Year	Capital Improvement	Planned Asset Replacement	Capital Acquisitions & Minor Plant Rehabilitation	Personnel Expense	Total
2017	\$ 9,604,000	\$ 698,400	\$ 541,000	\$ 2,322,497	\$ 13,165,897
2018	\$ 17,568,000	\$ 712,000	\$ 552,000	\$ 2,369,000	\$ 21,201,000
2019	\$ 16,973,000	\$ 726,000	\$ 563,000	\$ 2,416,000	\$ 20,678,000
2020	\$ 18,311,000	\$ 741,000	\$ 574,000	\$ 2,464,000	\$ 22,090,000
2021	\$ 40,516,000	\$ 756,000	\$ 585,000	\$ 2,513,000	\$ 44,370,000
5 Year Total	\$ 102,972,000	\$ 3,633,400	\$ 2,815,000	\$ 12,084,497	\$ 121,504,897
2022	\$ 18,677,000	\$ 771,000	\$ 597,000	\$ 2,563,000	\$ 22,608,000
2023	\$ 19,051,000	\$ 786,000	\$ 609,000	\$ 2,614,000	\$ 23,060,000
2024	\$ 19,432,000	\$ 802,000	\$ 621,000	\$ 2,666,000	\$ 23,521,000
2025	\$ 19,821,000	\$ 818,000	\$ 633,000	\$ 2,719,000	\$ 23,991,000
2026	\$ 20,217,000	\$ 834,000	\$ 646,000	\$ 2,773,000	\$ 24,470,000
2027	\$ 20,621,000	\$ 851,000	\$ 659,000	\$ 2,828,000	\$ 24,959,000
2028	\$ 21,033,000	\$ 868,000	\$ 672,000	\$ 2,885,000	\$ 25,458,000
2029	\$ 21,454,000	\$ 885,000	\$ 685,000	\$ 2,943,000	\$ 25,967,000
2030	\$ 21,883,000	\$ 903,000	\$ 699,000	\$ 3,002,000	\$ 26,487,000
2031	\$ 22,321,000	\$ 921,000	\$ 713,000	\$ 3,062,000	\$ 27,017,000
2032	\$ 22,767,000	\$ 939,000	\$ 727,000	\$ 3,123,000	\$ 27,556,000
2033	\$ 23,222,000	\$ 958,000	\$ 742,000	\$ 3,185,000	\$ 28,107,000
2034	\$ 23,686,000	\$ 977,000	\$ 757,000	\$ 3,249,000	\$ 28,669,000
2035	\$ 24,160,000	\$ 997,000	\$ 772,000	\$ 3,314,000	\$ 29,243,000
2036	\$ 24,643,000	\$ 1,017,000	\$ 787,000	\$ 3,380,000	\$ 29,827,000
20 Year Total	\$ 425,960,000	\$ 16,960,400	\$ 13,134,000	\$ 56,390,497	\$ 512,444,897

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