

# ENCINA WASTEWATER AUTHORITY



## Recommended FY2015 Policy Budget Operating & Capital Budgets





## **Mission Statement**

As an environmental leader, EWA provides sustainable and fiscally responsible wastewater services to the communities it serves while maximizing the use of alternative and renewable resources.



**Encina Wastewater Authority**  
**FY2015 Recommended Operating & Capital Budgets**  
**April 23, 2014**

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Date: April 23, 2014

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 FY2015 Recommended Operating & Capital Budgets

This letter transmits the Encina Wastewater Authority's (EWA) Recommended Fiscal Year 2015 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 2015; and, the proportionate amount to be paid by each Member Agency.

#### **OPERATING BUDGET OVERVIEW**

The Recommended FY2015 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 2015 budgets reflect management's strategies and objectives to ensure continued achievement within each of the EWA Business Plan's four (4) Strategic Focus Areas: Environmental Performance; Effective and Motivated Workforce; Asset Management; and, Continuous Improvement.

Operating Program	FY2013 Actual Expenses	FY2014 Budget	FY2015 Recommended	% Change
Encina Water Pollution Control Facility	\$ 10,439,519	\$ 11,208,652	\$ 11,717,016	4.5%
Environmental Compliance Source Control	\$ 620,480	\$ 684,493	\$ 707,725	3.4%
Agua Hedionda Pump Station	\$ 259,394	\$ 286,262	\$ 304,559	6.4%
Buena Vista Pump Station	\$ 386,485	\$ 412,566	\$ 428,362	3.8%
Buena Creek Pump Station	\$ 296,435	\$ 316,215	\$ 330,973	4.7%
Carlsbad Water Recycling Facility	\$ 843,994	\$ 818,337	\$ 852,703	4.2%
Raceway Basin Pump Station	\$ 147,007	\$ 169,718	\$ 192,549	13.5%
<b>Sub-Total: Expenses</b>	<b>\$ 12,993,314</b>	<b>\$ 13,896,243</b>	<b>\$ 14,533,886</b>	<b>4.6%</b>
Anticipated Operating Revenue	\$ -	\$ (272,000)	\$ (381,200)	40.1%
<b>Total Operating Budget</b>	<b>\$ 12,993,314</b>	<b>\$ 13,624,243</b>	<b>\$ 14,152,686</b>	<b>3.9%</b>

The FY2015 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. As is the case in the current fiscal year, the Recommended FY2015 EWPCF Operating Budget includes \$264,000 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 FY2015 Capital Budget totals approximately \$10.9 million for the three (3) established EWA capital programs summarized below.

<b>Capital Program</b>	<b>FY2013 Actual Expenses</b>	<b>FY2014 Budget</b>	<b>FY2015 Recommended</b>	<b>% Change</b>
CAMP Improvement Projects	\$ 6,179,182	\$ 7,074,000	\$ 7,114,000	0.6%
Planned Asset Replacement (PAR)	\$ 753,949	\$ 781,150	\$ 831,350	6.4%
Acquisitions	\$ 672,219	\$ 695,215	\$ 904,255	30.1%
Allocated Personnel Expenses	\$ 1,689,882	\$ 1,933,584	\$ 2,013,213	4.1%
<b>Total Capital Budget</b>	<b>\$ 9,295,232</b>	<b>\$ 10,483,949</b>	<b>\$ 10,862,818</b>	<b>3.6%</b>

Capital 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 FY2015 Capital Budget includes \$2,013,213 in funding for 11.3 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 FY2015 funding include: SCADA Network and Computer Room Upgrades (\$670,000); Process Control Narrative/Automation Study (\$610,000); ORF III Chemical Feed System Improvements (\$604,000); and RTO Process Upgrades (\$555,000).

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 \$831,350.

Recommended Capital Acquisitions total \$904,255 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





PureGreen Demonstration Garden



Encina Water Pollution Control Facility

# Encina Wastewater Authority Revenue and Expense Summary

Revenue Summary						
	2013 Actual	2014 Budget	2014 Projected	2015 Recommended	Change	%
City of Vista	\$ 3,028,237	\$ 3,370,719	\$ 3,331,346	\$ 3,519,417	\$ 148,698	4.4%
City of Carlsbad	\$ 3,929,391	\$ 4,014,727	\$ 3,967,820	\$ 4,197,484	\$ 182,757	4.6%
Buena Sanitation District	\$ 1,308,964	\$ 1,335,658	\$ 1,320,017	\$ 1,387,595	\$ 51,937	3.9%
Vallecitos Water District	\$ 2,328,462	\$ 2,586,260	\$ 2,555,974	\$ 2,612,173	\$ 25,913	1.0%
Leucadia Wastewater District	\$ 1,834,336	\$ 1,761,903	\$ 1,741,270	\$ 1,841,919	\$ 80,016	4.5%
City of Encinitas	\$ 563,925	\$ 554,976	\$ 548,477	\$ 594,098	\$ 39,122	7.0%
<b>Sub Total</b>	<b>\$ 12,993,315</b>	<b>\$ 13,624,243</b>	<b>\$ 13,464,904</b>	<b>\$ 14,152,686</b>	<b>\$ 528,443</b>	<b>3.9%</b>
Estimated Revenue		\$ 272,000	\$ 294,765	\$ 381,200	\$ 109,200	40.1%
<b>Total</b>	<b>\$ 12,993,315</b>	<b>\$ 13,896,243</b>	<b>\$ 13,759,669</b>	<b>\$ 14,533,886</b>	<b>\$ 637,643</b>	<b>4.6%</b>

\*2013 Actual total is net of revenue

Operating Revenues from Member Agencies by Program						
	2013 Actual	2014 Original	2014 Projected	2015 Recommended	Change	%
Encina Water Pollution Control Facilities	\$ 10,439,519	\$ 10,936,652	\$ 10,808,786	\$ 11,335,816	\$ 399,164	3.6%
Source Control	\$ 620,480	\$ 684,494	\$ 676,478	\$ 707,724	\$ 23,230	3.4%
Agua Hedionda Pump Station	\$ 259,394	\$ 286,262	\$ 282,910	\$ 304,559	\$ 18,297	6.4%
Buena Vista Pump Station	\$ 386,485	\$ 412,566	\$ 407,735	\$ 428,362	\$ 15,796	3.8%
Buena Creek Pump Station	\$ 296,435	\$ 316,215	\$ 312,512	\$ 330,973	\$ 14,758	4.7%
Carlsbad Water Recycling Facility	\$ 843,994	\$ 818,336	\$ 808,753	\$ 852,703	\$ 34,367	4.2%
Raceway Basin Pump Station	\$ 147,007	\$ 169,718	\$ 167,731	\$ 192,549	\$ 22,831	13.5%
<b>Total</b>	<b>\$ 12,993,314</b>	<b>\$ 13,624,243</b>	<b>\$ 13,464,904</b>	<b>\$ 14,152,686</b>	<b>\$ 528,443</b>	<b>3.9%</b>

Operating Budget Expense Summary by Program						
	2013 Actual	2014 Budget	2014 Projected	2015 Recommended	Change	%
Encina Water Pollution Control Facilities	\$ 10,439,519	\$ 11,208,652	\$ 11,187,132	\$ 11,717,016	\$ 508,364	4.5%
Source Control	\$ 620,480	\$ 684,493	\$ 643,789	\$ 707,725	\$ 23,231	3.4%
Agua Hedionda Pump Station	\$ 259,394	\$ 286,262	\$ 283,425	\$ 304,559	\$ 18,296	6.4%
Buena Vista Pump Station	\$ 386,485	\$ 412,566	\$ 401,494	\$ 428,362	\$ 15,796	3.8%
Buena Creek Pump Station	\$ 296,435	\$ 316,215	\$ 321,234	\$ 330,973	\$ 14,758	4.7%
Carlsbad Water Recycling Facility	\$ 843,994	\$ 818,337	\$ 747,338	\$ 852,703	\$ 34,366	4.2%
Raceway Basin Pump Station	\$ 147,007	\$ 169,718	\$ 175,257	\$ 192,549	\$ 22,831	13.5%
<b>Sub Total</b>	<b>\$ 12,993,314</b>	<b>\$ 13,896,243</b>	<b>\$ 13,759,669</b>	<b>\$ 14,533,886</b>	<b>\$ 637,643</b>	<b>4.6%</b>

Combined Operating Budget Expense						
	2013 Actual	2014 Original	2014 Projected	2015 Recommended	Change	%
Personnel	\$ 5,124,561	\$ 5,308,675	\$ 5,191,359	\$ 5,413,606	\$ 104,931	2.0%
Non-Personnel	\$ 3,386,664	\$ 3,762,157	\$ 3,564,544	\$ 4,127,829	\$ 365,672	9.7%
Internal Service Fund	\$ 4,482,089	\$ 4,825,411	\$ 5,003,766	\$ 4,992,451	\$ 167,040	3.5%
<b>Total</b>	<b>\$ 12,993,314</b>	<b>\$ 13,896,243</b>	<b>\$ 13,759,669</b>	<b>\$ 14,533,886</b>	<b>\$ 637,643</b>	<b>4.6%</b>



# Encina Wastewater Authority

## Operating Budget Expense Summary

Encina Water Pollution Control Facilities							
	2013 Actual	2014 Original	2014 Projected	2015 Recommended	Change	%	
Personnel	\$ 3,718,724	\$ 3,926,514	\$ 3,953,855	\$ 3,950,916	\$ 24,402	0.6%	
Non-Personnel	\$ 2,702,255	\$ 2,962,197	\$ 2,745,996	\$ 3,266,157	\$ 303,960	10.3%	
Internal Service Fund	\$ 4,018,539	\$ 4,319,941	\$ 4,487,281	\$ 4,499,943	\$ 180,002	4.2%	
<b>Total</b>	<b>\$ 10,439,519</b>	<b>\$ 11,208,652</b>	<b>\$ 11,187,132</b>	<b>\$ 11,717,016</b>	<b>\$ 508,364</b>	<b>4.5%</b>	

Environmental Compliance Source Control							
	2013 Actual	2014 Original	2014 Projected	2015 Recommended	Change	%	
Personnel	\$ 443,783	\$ 466,849	\$ 434,485	\$ 491,658	\$ 24,809	5.3%	
Non-Personnel	\$ 16,398	\$ 41,135	\$ 34,335	\$ 26,250	\$ (14,885)	-36.2%	
Internal Service Fund	\$ 160,299	\$ 176,509	\$ 174,969	\$ 189,817	\$ 13,307	7.5%	
<b>Total</b>	<b>\$ 620,480</b>	<b>\$ 684,493</b>	<b>\$ 643,789</b>	<b>\$ 707,725</b>	<b>\$ 23,231</b>	<b>3.4%</b>	

Agua Hedionda Pump Station							
	2013 Actual	2014 Original	2014 Projected	2015 Recommended	Change	%	
Personnel	\$ 125,669	\$ 137,403	\$ 135,275	\$ 144,727	\$ 7,324	5.3%	
Non-Personnel	\$ 90,668	\$ 111,274	\$ 107,939	\$ 118,931	\$ 7,657	6.9%	
Internal Service Fund	\$ 43,057	\$ 37,585	\$ 40,210	\$ 40,900	\$ 3,315	8.8%	
<b>Total</b>	<b>\$ 259,394</b>	<b>\$ 286,262</b>	<b>\$ 283,425</b>	<b>\$ 304,559</b>	<b>\$ 18,296</b>	<b>6.4%</b>	

Buena Vista Pump Station							
	2013 Actual	2014 Original	2014 Projected	2015 Recommended	Change	%	
Personnel	\$ 124,375	\$ 136,100	\$ 134,009	\$ 143,399	\$ 7,299	5.4%	
Non-Personnel	\$ 201,830	\$ 221,832	\$ 209,035	\$ 226,234	\$ 4,402	2.0%	
Internal Service Fund	\$ 60,280	\$ 54,634	\$ 58,450	\$ 58,729	\$ 4,095	7.5%	
<b>Total</b>	<b>\$ 386,485</b>	<b>\$ 412,566</b>	<b>\$ 401,494</b>	<b>\$ 428,362</b>	<b>\$ 15,796</b>	<b>3.8%</b>	

Buena Sanitation District Facilities							
	2013 Actual	2014 Original	2014 Projected	2015 Recommended	Change	%	
Personnel	\$ 128,341	\$ 140,750	\$ 137,648	\$ 148,918	\$ 8,168	5.8%	
Non-Personnel	\$ 120,732	\$ 136,026	\$ 141,436	\$ 140,106	\$ 4,080	3.0%	
Internal Service Fund	\$ 47,363	\$ 39,439	\$ 42,150	\$ 41,949	\$ 2,510	6.4%	
<b>Total</b>	<b>\$ 296,435</b>	<b>\$ 316,215</b>	<b>\$ 321,234</b>	<b>\$ 330,973</b>	<b>\$ 14,758</b>	<b>4.7%</b>	

Carlsbad Water Recycling Facility							
	2013 Actual	2014 Original	2014 Projected	2015 Recommended	Change	%	
Personnel	\$ 493,966	\$ 397,000	\$ 298,065	\$ 423,983	\$ 26,983	6.8%	
Non-Personnel	\$ 221,158	\$ 247,088	\$ 273,233	\$ 291,727	\$ 44,638	18.1%	
Internal Service Fund	\$ 128,870	\$ 174,249	\$ 176,040	\$ 136,993	\$ (37,255)	-21.4%	
<b>Total</b>	<b>\$ 843,994</b>	<b>\$ 818,337</b>	<b>\$ 747,338</b>	<b>\$ 852,703</b>	<b>\$ 34,366</b>	<b>4.2%</b>	

Raceway Basin Pump Station							
	2013 Actual	2014 Original	2014 Projected	2015 Recommended	Change	%	
Personnel	\$ 89,702	\$ 104,059	\$ 98,022	\$ 110,004	\$ 5,945	5.7%	
Non-Personnel	\$ 33,624	\$ 42,604	\$ 52,570	\$ 58,424	\$ 15,820	37.1%	
Internal Service Fund	\$ 23,681	\$ 23,055	\$ 24,665	\$ 24,121	\$ 1,066	4.6%	
<b>Total</b>	<b>\$ 147,007</b>	<b>\$ 169,718</b>	<b>\$ 175,257</b>	<b>\$ 192,549</b>	<b>\$ 22,831</b>	<b>13.5%</b>	

# Encina Wastewater Authority Operating Budget Revenue Summary

City of Vista							
	2013 Actual	2014 Original	2014 Projected	2015 Recommended	Change	%	
Encina Water Pollution Control Facilities	\$ 2,186,301	\$ 2,437,820	\$ 2,409,372	\$ 2,540,185	\$ 102,365	4.2%	
Source Control	\$ 169,397	\$ 195,715	\$ 193,423	\$ 192,421	\$ (3,294)	-1.7%	
Agua Hedionda Pump Station	\$ 179,241	\$ 197,807	\$ 195,491	\$ 210,450	\$ 12,643	6.4%	
Buena Vista Pump Station	\$ 346,291	\$ 369,659	\$ 365,330	\$ 383,812	\$ 14,153	3.8%	
Raceway Basin Pump Station	\$ 147,007	\$ 169,718	\$ 167,731	\$ 192,549	\$ 22,831	13.5%	
<b>Total</b>	<b>\$ 3,028,237</b>	<b>\$ 3,370,719</b>	<b>\$ 3,331,346</b>	<b>\$ 3,519,417</b>	<b>\$ 148,698</b>	<b>4.4%</b>	

City of Carlsbad							
	2013 Actual	2014 Original	2014 Projected	2015 Recommended	Change	%	
Encina Water Pollution Control Facilities	\$ 2,774,976	\$ 2,878,852	\$ 2,845,246	\$ 2,987,253	\$ 108,401	3.8%	
Source Control	\$ 190,073	\$ 186,177	\$ 183,997	\$ 218,869	\$ 32,692	17.6%	
Agua Hedionda Pump Station	\$ 80,153	\$ 88,455	\$ 87,419	\$ 94,109	\$ 5,654	6.4%	
Buena Vista Pump Station	\$ 40,194	\$ 42,907	\$ 42,405	\$ 44,550	\$ 1,643	3.8%	
Carlsbad Water Recycling Facility	\$ 843,994	\$ 818,336	\$ 808,753	\$ 852,703	\$ 34,367	4.2%	
<b>Total</b>	<b>\$ 3,929,391</b>	<b>\$ 4,014,727</b>	<b>\$ 3,967,820</b>	<b>\$ 4,197,484</b>	<b>\$ 182,757</b>	<b>4.6%</b>	

Buena Sanitation District Facilities							
	2013 Actual	2014 Original	2014 Projected	2015 Recommended	Change	%	
Encina Water Pollution Control Facilities	\$ 932,447	\$ 918,994	\$ 908,232	\$ 965,681	\$ 46,687	5.1%	
Source Control	\$ 80,082	\$ 100,449	\$ 99,273	\$ 90,941	\$ (9,508)	-9.5%	
Buena Creek Pump Station	\$ 296,435	\$ 316,215	\$ 312,512	\$ 330,973	\$ 14,758	4.7%	
<b>Total</b>	<b>\$ 1,308,964</b>	<b>\$ 1,335,658</b>	<b>\$ 1,320,017</b>	<b>\$ 1,387,595</b>	<b>\$ 51,937</b>	<b>3.9%</b>	

Vallecitos Water District							
	2013 Actual	2014 Original	2014 Projected	2015 Recommended	Change	%	
Encina Water Pollution Control Facilities	\$ 2,204,088	\$ 2,447,353	\$ 2,418,693	\$ 2,470,955	\$ 23,602	1.0%	
Source Control	\$ 124,374	\$ 138,907	\$ 137,280	\$ 141,218	\$ 2,311	1.7%	
<b>Total</b>	<b>\$ 2,328,462</b>	<b>\$ 2,586,260</b>	<b>\$ 2,555,974</b>	<b>\$ 2,612,173</b>	<b>\$ 25,913</b>	<b>1.0%</b>	

Leucadia Wastewater District							
	2013 Actual	2014 Original	2014 Projected	2015 Recommended	Change	%	
Encina Water Pollution Control Facilities	\$ 1,795,180	\$ 1,718,387	\$ 1,698,264	\$ 1,797,705	\$ 79,318	4.6%	
Source Control	\$ 39,156	\$ 43,516	\$ 43,006	\$ 44,214	\$ 698	1.6%	
<b>Total</b>	<b>\$ 1,834,336</b>	<b>\$ 1,761,903</b>	<b>\$ 1,741,270</b>	<b>\$ 1,841,919</b>	<b>\$ 80,016</b>	<b>4.5%</b>	

City of Encinitas							
	2013 Actual	2014 Original	2014 Projected	2015 Recommended	Change	%	
Encina Water Pollution Control Facilities	\$ 546,527	\$ 535,246	\$ 528,978	\$ 574,037	\$ 38,791	7.2%	
Source Control	\$ 17,398	\$ 19,730	\$ 19,499	\$ 20,061	\$ 331	1.7%	
<b>Total</b>	<b>\$ 563,925</b>	<b>\$ 554,976</b>	<b>\$ 548,477</b>	<b>\$ 594,098</b>	<b>\$ 39,122</b>	<b>7.0%</b>	



PureGreen Fertilizer Ready for Delivery



Primary Clarifiers

## Encina Wastewater Authority Personnel Expense Summary

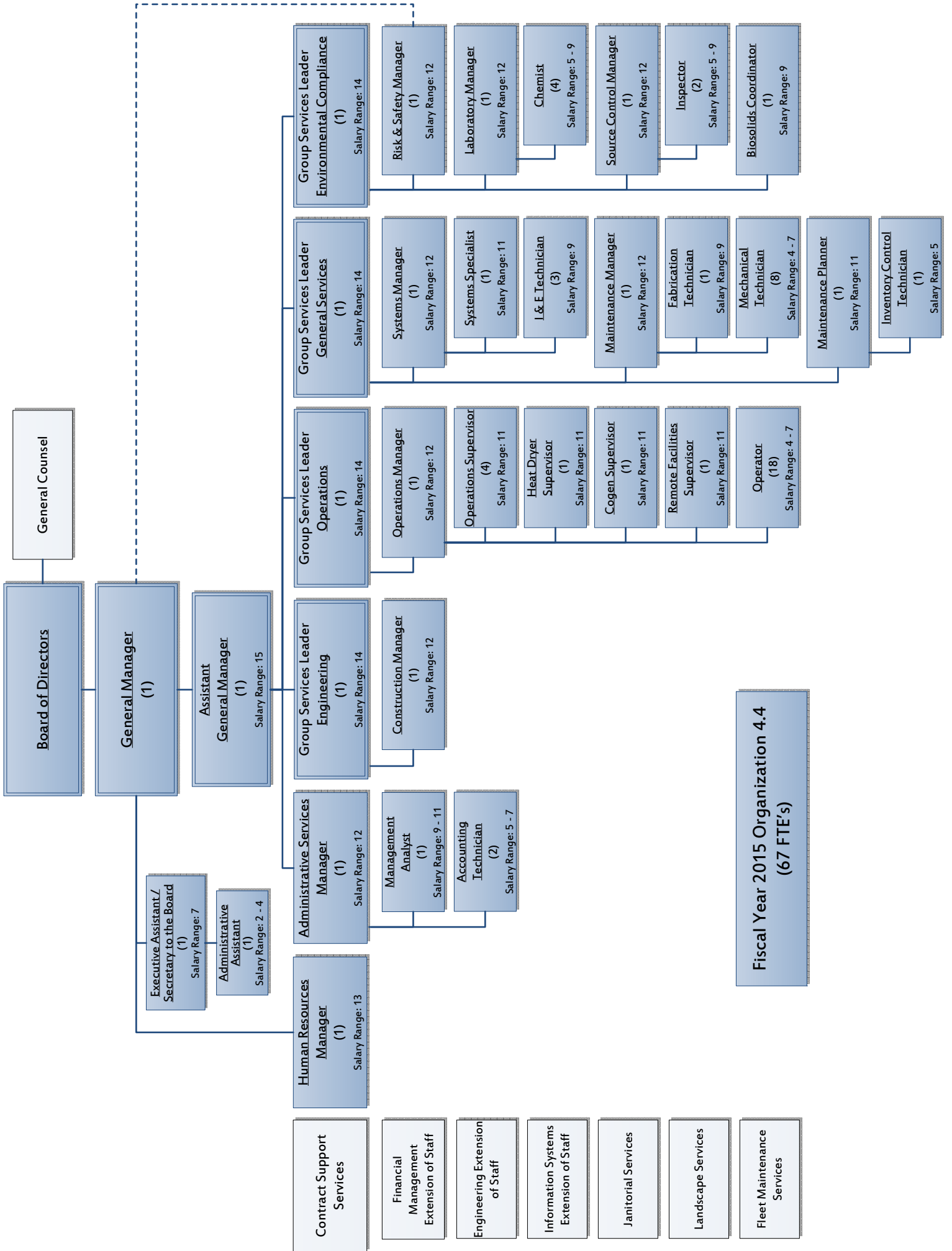
### Personnel Expense Summary by Account

	<b>FY2014 Budget</b>	<b>% of Total</b>	<b>FY2015 Budget</b>	<b>% of Total</b>	<b>% Change Budget</b>
<b>Salaries</b>					
Regular	\$ 5,900,090		\$ 5,940,459		0.7%
Performance Pay	\$ 167,216		\$ 228,621		36.7%
Overtime	\$ 120,000		\$ 130,524		8.8%
Holiday	\$ 57,208		\$ 79,575		39.1%
Intern Program	\$ 22,318		\$ 29,757		33.3%
Shift Differential	\$ 55,860		\$ 56,034		0.3%
Incentive Awards	\$ 12,000		\$ 12,000		0.0%
<b>Subtotal Salaries</b>	<b>\$ 6,334,692</b>	<b>67.4%</b>	<b>\$ 6,476,970</b>	<b>67.6%</b>	<b>2.2%</b>
<b>Benefits</b>					
CAL PERS Retirement Program	\$ 1,886,820		\$ 1,990,634		5.5%
CAL PERS Employee Contribution	\$ (427,854)		\$ (504,375)		17.9%
Other Post-Employment Benefits	\$ 59,380		\$ 61,031		2.8%
Flexible Benefits 125 Plan	\$ 1,010,547		\$ 1,010,892		0.0%
Employee Benefit Contribution	\$ (36,057)		\$ (19,370)		-46.3%
Deferred Compensation	\$ 193,048		\$ 234,491		21.5%
Medicare	\$ 90,264		\$ 94,586		4.8%
Unemployment	\$ 29,992		\$ 29,993		0.0%
Workers Compensation Insurance	\$ 123,903		\$ 169,721		37.0%
Professional Certification	\$ 8,121		\$ 8,121		0.0%
Employee Assistance Program	\$ 1,917		\$ 1,917		0.0%
General Manager Benefits	\$ 8,000		\$ 8,000		0.0%
Education Assistance	\$ 16,246		\$ 16,246		0.0%
<b>Subtotal Benefits</b>	<b>\$ 2,964,327</b>	<b>32.6%</b>	<b>\$ 3,101,887</b>	<b>32.4%</b>	<b>4.6%</b>
<b>Total Personnel Expense</b>	<b>\$ 9,299,019</b>	<b>100.0%</b>	<b>\$ 9,578,858</b>	<b>100.0%</b>	<b>3.0%</b>



## Encina Wastewater Authority Personnel Expense Summary

<b>Personnel Expense Summary by Program</b>					
	<u>FY2014 Budget</u>	<u>FY2014 Positions</u>	<u>FY2015 Budget</u>	<u>FY2015 Positions</u>	<u>% Change Budget</u>
<b>Programs</b>					
EWPCF	\$ 3,926,514	30.28	\$ 3,950,916	30.01	0.6%
Source Control	\$ 466,849	3.30	\$ 491,658	3.35	5.3%
Agua Hedionda Pump Station	\$ 137,403	1.01	\$ 144,727	1.04	5.3%
Buena Vista Pump Station	\$ 136,100	1.00	\$ 143,399	1.03	5.4%
Buena Creek Pump Station	\$ 140,750	1.00	\$ 148,918	1.08	5.8%
Carlsbad Water Reclamation Facilities	\$ 397,000	3.20	\$ 423,983	3.30	6.8%
Raceway Basin Pump Station	\$ 104,059	0.77	\$ 110,004	0.80	5.7%
Remote Facilities	\$ 915,312	6.96	\$ 971,031	7.23	6.1%
<b>Sub-Total: Programs</b>	<b><u>\$ 5,308,675</u></b>	<b><u>40.54</u></b>	<b><u>\$ 5,413,606</u></b>	<b><u>40.59</u></b>	<b><u>2.0%</u></b>
<b>Internal Service Funds</b>	\$ 2,056,761	14.66	\$ 2,152,038	15.13	4.6%
<b>Subtotal: Operating Program</b>	<b><u>\$ 7,365,436</u></b>	<b><u>55.20</u></b>	<b><u>\$ 7,565,644</u></b>	<b><u>55.72</u></b>	<b><u>2.7%</u></b>
<b>Capital Program</b>	\$ 1,933,584	11.80	\$ 2,013,213	11.28	4.1%
<b>Total Personnel Expense</b>	<b><u>\$ 9,299,020</u></b>	<b><u>67.00</u></b>	<b><u>\$ 9,578,858</u></b>	<b><u>67.00</u></b>	<b><u>3.0%</u></b>



**Fiscal Year 2015 Organization 4.4  
(67 FTE's)**

## FY2015 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

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## Program Overview

The Encina Water Pollution Control Facilities (EWPCF), located in Carlsbad, California, provide wastewater treatment services to approximately 358,000 residents in a 123 square mile service area of northwest San Diego County. The EWPCF consist of three major components: the treatment plant; the Encina Ocean Outfall (EOO); and the Joint Flow Metering System (JFMS). The EWPCF were 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; anaerobic digesters; activated sludge secondary treatment; solids dewatering centrifuges; a triple-pass rotary drum heat dryer that produces a granular fertilizer marketed under the name PureGreen®; the 1.5 mile EOO 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; secondary flow equalization facilities; and, a Combined Heat & Power System that produces about 75% of the methane and electricity required to power the EWPCF. 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** – 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 FY2015, 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** – 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

# EWPCF Operating and Maintenance Operating Expense Summary

		Personnel Expenses				
		Actual	Budget	Projected	Recommended	%
		FY 2013	FY 2014	FY 2014	FY 2015	Change
5100	Salaries	\$ 2,581,029	\$ 2,645,801	\$ 2,744,868	\$ 2,656,499	0%
5200	Benefits	\$ 1,137,695	\$ 1,280,713	\$ 1,208,987	\$ 1,294,418	1%
<b>Total Personnel Expenses</b>		<b>\$ 3,718,724</b>	<b>\$ 3,926,514</b>	<b>\$ 3,953,855</b>	<b>\$ 3,950,916</b>	<b>1%</b>

		Non-Personnel Expenses					
		Actual	Budget	Projected	Recommended	%	
		FY 2013	FY 2014	FY 2014	FY 2015	Change	
21001	7330	Specialty Services	\$ 107,840	\$ 106,560	\$ 106,560	\$ 106,560	0%
22001	5400	Cept Polymer	\$ 99,161	\$ 99,000	\$ 101,264	\$ 101,475	3%
22001	5401	Ferric Chloride	\$ 330,007	\$ 319,620	\$ 313,423	\$ 320,220	0%
22001	5402	Odor Control Rock Salt	\$ 5,697	\$ 8,213	\$ 4,781	\$ 5,400	-34%
22001	5403	Odor Control Caustic	\$ 10,653	\$ 15,000	\$ 22,935	\$ 25,200	68%
22001	5405	Atmospheric Control (Nitrogen)	\$ 16,555	\$ 17,100	\$ 32,998	\$ 32,940	93%
22001	5406	Pellet Dust Control	\$ 71,265	\$ 61,803	\$ 48,677	\$ 91,500	48%
22001	5407	Sodium Hypochlorite	\$ 54,055	\$ 72,750	\$ 50,894	\$ 56,700	-22%
22001	5408	DAF Polymer	\$ 59,783	\$ 67,275	\$ 69,897	\$ 75,870	13%
22001	5409	Dewatering Polymer	\$ 566,840	\$ 551,862	\$ 555,670	\$ 579,150	5%
22001	5420	Biosolids Disposal	\$ 242,323	\$ 219,671	\$ 219,671	\$ 240,172	9%
22001	5422	Pure Green Marketing	\$ 32,240	\$ 24,000	\$ 50,123	\$ 53,000	121%
22001	5431	Water	\$ 16,786	\$ 16,866	\$ 20,475	\$ 22,315	32%
22001	6450	Professional Services	\$ 31,618	\$ 54,000	\$ 54,000	\$ 4,000	-93%
22001	6720	Equipment Special New	\$ 1,077	\$ 1,500	\$ 1,500	\$ 1,500	0%
22001	6920	Permits	\$ 195,583	\$ 189,461	\$ 216,620	\$ 22,803	-88%
22001	7130	Public Information	\$ 31,167	\$ 7,000	\$ 7,000	\$ 7,000	0%
22001	7310	Safety & Medical Services	\$ 21,768	\$ 22,400	\$ 22,400	\$ 22,400	0%
22001	7320	Safety Equipment	\$ 89,770	\$ 90,500	\$ 90,500	\$ 88,150	-3%
22001	7330	Specialty Services	\$ 367	\$ 1,000	\$ 1,000	\$ 1,250	25%
22001	7611	Hazwoper Training	\$ 4,500	\$ 6,600	\$ 6,600	\$ 6,875	4%
22001	7616	First Aid Training	\$ -	\$ 3,000	\$ 3,000	\$ 250	-92%
22001	7617	Safety Other	\$ 5,384	\$ 6,325	\$ 6,325	\$ 6,325	0%
22001	7620	Contingency	\$ -	\$ 264,000	\$ -	\$ 264,000	0%
23001	5410	Chemicals	\$ 4,930	\$ 5,000	\$ 5,000	\$ 7,800	56%
23001	5530	Corrosion Protection	\$ 1,638	\$ 4,000	\$ 4,000	\$ 4,000	0%
23001	5910	Equipment Rental	\$ 7,875	\$ 8,000	\$ 8,000	\$ 8,000	0%
23001	6120	Fuel & Lube	\$ 24,466	\$ 22,570	\$ 22,570	\$ 22,602	0%
23001	6230	Janitorial	\$ 46,053	\$ 52,000	\$ 52,000	\$ 52,000	0%
23001	6410	Laundry & Uniforms	\$ 15,566	\$ 16,500	\$ 16,500	\$ 16,500	0%
23001	6424	Information Systems	\$ 130,079	\$ 131,287	\$ 134,287	\$ 224,859	71%
23001	6510	Repair Maint Mobile	\$ 16,288	\$ 15,400	\$ 15,400	\$ 15,400	0%
23001	6710	Equipment New	\$ 2,929	\$ 5,000	\$ 5,000	\$ 7,000	40%
23001	6730	Repair Maint Non Specific	\$ 30,885	\$ 52,000	\$ 52,000	\$ 62,000	19%
23001	6930	Repair Maint Electric Pipe	\$ 62,351	\$ 74,300	\$ 74,300	\$ 82,000	10%
23001	6940	Repair Maint Planned	\$ 110,180	\$ 95,000	\$ 95,000	\$ 95,000	0%
23001	7010	Plant Contracts	\$ 63,349	\$ 68,650	\$ 68,650	\$ 70,650	3%
23001	7330	Specialty Services	\$ 137,363	\$ 122,600	\$ 122,600	\$ 129,600	6%
23001	7510	Tools	\$ 6,849	\$ 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	0%
24001	6911	Effluent Testing	\$ -	\$ -	\$ -	\$ 11,000	0%
24001	6920	Permits	\$ -	\$ -	\$ -	\$ 187,407	0%
24001	6940	Repair Maintenance Planned	\$ 947	\$ 2,000	\$ 2,000	\$ 2,000	0%
50001	BOD	Business Plan	\$ -	\$ -	\$ -	\$ 40,000	0%
50001	BOD	Board of Directors Fees	\$ 50,601	\$ 54,584	\$ 54,576	\$ 53,484	-2%
<b>Total Non-Personnel Expenses</b>		<b>\$ 2,702,255</b>	<b>\$ 2,962,197</b>	<b>\$ 2,745,996</b>	<b>\$ 3,266,157</b>	<b>10%</b>	

## EWPCF Operating and Maintenance Operating Expense Summary (cont.)

		Internal Service Fund Expenses				
		Actual	Budget	Projected	Recommended	%
		FY 2013	FY 2014	FY 2014	FY 2015	Change
11001	Administration	\$ 1,797,637	\$ 1,600,588	\$ 1,712,387	\$ 1,751,369	9%
12001	Laboratory	\$ 569,538	\$ 910,803	\$ 841,840	\$ 771,217	-15%
13001	Energy Management	\$ 1,651,364	\$ 1,808,550	\$ 1,933,054	\$ 1,977,356	9%
<b>Total Internal Service Fund Expenses</b>		<b>\$ 4,018,539</b>	<b>\$ 4,319,941</b>	<b>\$ 4,487,281</b>	<b>\$ 4,499,943</b>	<b>4%</b>
<b>Total Operating Expenses</b>		<b>\$ 10,439,519</b>	<b>\$ 11,208,652</b>	<b>\$ 11,187,132</b>	<b>\$ 11,717,016</b>	<b>5%</b>

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## Program Overview

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. Significant effort in FY 2015 will be directed to issuing necessary and appropriate Industrial Discharge permits to the San Diego County Water Authority / Poseidon Resources Desalinization Facility in Carlsbad.

**Cost Allocation** – Personnel Expenses make up 72% 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.

**Capacity** – During FY 2015 staff expects that sixty-one (61) industries will be fully permitted while another 555 businesses will participate in EWA's Best Management Practices Program.



Public Outreach at Encinitas Environment Day

## Environmental Compliance - Source Control Operating Expense Summary

		Personnel Expenses				
		Actual	Budget	Projected	Recommended	%
		FY 2013	FY 2014	FY 2014	FY 2015	Change
5100	Salaries	\$ 326,747	\$ 323,546	\$ 309,800	\$ 340,751	5%
5200	Benefits	\$ 117,036	\$ 143,303	\$ 124,685	\$ 150,907	5%
<b>Total Personnel Expenses</b>		<b>\$ 443,783</b>	<b>\$ 466,849</b>	<b>\$ 434,485</b>	<b>\$ 491,658</b>	<b>5%</b>

		Non-Personnel Expenses				
		Actual	Budget	Projected	Recommended	%
		FY 2013	FY 2014	FY 2014	FY 2015	Change
40001	5520 Books	\$ -	\$ 500	\$ 500	\$ 500	0%
40001	5930 Equipment Replacement	\$ 3,907	\$ 12,100	\$ 12,100	\$ 4,700	-61%
40001	6120 Fuel & Lube	\$ 2,127	\$ 2,235	\$ 2,235	\$ 2,250	1%
40001	6310 Lab Equipment Repair	\$ 6,097	\$ 5,650	\$ 5,650	\$ 5,650	0%
40001	6410 Laundry & Uniforms	\$ 1,000	\$ 1,400	\$ 1,400	\$ 1,400	0%
40001	6422 Legal Notices	\$ -	\$ 2,250	\$ 750	\$ 2,250	0%
40001	6450 Professional Services	\$ -	\$ 12,500	\$ 7,200	\$ 5,000	-60%
40001	7120 Printing & Reproduction	\$ 239	\$ 500	\$ 500	\$ 500	0%
40001	7130 Public Information	\$ 3,027	\$ 4,000	\$ 4,000	\$ 4,000	0%
<b>Total Non-Personnel Expenses</b>		<b>\$ 16,398</b>	<b>\$ 41,135</b>	<b>\$ 34,335</b>	<b>\$ 26,250</b>	<b>-36%</b>

		Internal Service Fund Expenses				
		Actual	Budget	Projected	Recommended	%
		FY 2013	FY 2014	FY 2014	FY 2015	Change
11001	Administration	\$ 71,044	\$ 79,432	\$ 84,981	\$ 69,216	-13%
12001	Laboratory	\$ 87,601	\$ 95,267	\$ 88,054	\$ 118,622	25%
13001	Energy Management	\$ 1,653	\$ 1,810	\$ 1,935	\$ 1,979	9%
<b>Total Internal Service Fund Expenses</b>		<b>\$ 160,299</b>	<b>\$ 176,509</b>	<b>\$ 174,969</b>	<b>\$ 189,817</b>	<b>8%</b>
<b>Total Operating Expenses</b>		<b>\$ 620,480</b>	<b>\$ 684,493</b>	<b>\$ 643,789</b>	<b>\$ 707,725</b>	<b>3%</b>

### Agua Hedionda Pump Station

**Overview** – 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

**Overview** – 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

### **Buena Creek Pump Station**

**Overview** – The Buena Creek Pump Station (BCPS) is owned by the Buena Sanitation District. 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 Buena Sanitation District in accordance with the June 1998 Memorandum of Understanding.

### **Carlsbad Water Recycling Facility**

**Overview** – 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 (MOU). Recommended expenses are based on the expected recycled water production volumes. Actual expenditures will reflect the actual volume of recycled water production.



Carlsbad Water Recycling Facility



### 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

# Agua Hedionda Pump Station Operating Expense Summary

Personnel Expenses						
		Actual	Budget	Projected	Recommended	%
		FY 2013	FY 2014	FY 2014	FY 2015	Change
5100	Salaries	\$ 89,168	\$ 93,058	\$ 94,003	\$ 97,994	5%
5200	Benefits	\$ 36,501	\$ 44,345	\$ 41,272	\$ 46,733	5%
<b>Total Personnel Expenses</b>		<b>\$ 125,669</b>	<b>\$ 137,403</b>	<b>\$ 135,275</b>	<b>\$ 144,727</b>	<b>5%</b>

Non-Personnel Expenses						
		Actual	Budget	Projected	Recommended	%
		FY 2013	FY 2014	FY 2014	FY 2015	Change
31001	5431 Water	\$ 5,520	\$ 7,956	\$ 9,558	\$ 9,356	18%
31001	5435 Electricity	\$ 61,350	\$ 70,907	\$ 65,970	\$ 73,505	4%
31001	5910 Equipment Rental	\$ -	\$ 200	\$ 200	\$ 200	0%
31001	6120 Fuel & Lube	\$ 3,015	\$ 2,815	\$ 2,815	\$ 3,482	24%
31001	6410 Laundry & Uniforms	\$ 260	\$ 250	\$ 250	\$ 250	0%
31001	6730 Repair Maint Non Specific	\$ 1,228	\$ 2,500	\$ 2,500	\$ 2,500	0%
31001	6920 Permits	\$ 1,757	\$ 2,596	\$ 2,596	\$ 2,588	0%
31001	6930 Repair Maint Electric Pipe	\$ 2,395	\$ 3,500	\$ 3,500	\$ 3,500	0%
31001	6940 Repair Maint Planned	\$ 6,965	\$ 8,500	\$ 8,500	\$ 8,500	0%
31001	7010 Plant Contracts	\$ 2,900	\$ 2,700	\$ 2,700	\$ 2,700	0%
31001	7320 Safety Equipment	\$ 662	\$ 700	\$ 700	\$ 700	0%
31001	7330 Specialty Services	\$ 4,616	\$ 8,650	\$ 8,650	\$ 11,650	35%
<b>Total Non-Personnel Expenses</b>		<b>\$ 90,668</b>	<b>\$ 111,274</b>	<b>\$ 107,939</b>	<b>\$ 118,931</b>	<b>7%</b>

Internal Service Fund Expenses						
		Actual	Budget	Projected	Recommended	%
		FY 2013	FY 2014	FY 2014	FY 2015	Change
11001	Administration	\$ 43,057	\$ 37,585	\$ 40,210	\$ 40,900	9%
<b>Total Internal Service Fund Expenses</b>		<b>\$ 43,057</b>	<b>\$ 37,585</b>	<b>\$ 40,210</b>	<b>\$ 40,900</b>	<b>9%</b>
<b>Total Operating Expenses</b>		<b>\$ 259,394</b>	<b>\$ 286,262</b>	<b>\$ 283,425</b>	<b>\$ 304,559</b>	<b>6%</b>

# Buena Vista Pump Station Operating Expense Summary

Personnel Expenses						
		Actual	Budget	Projected	Recommended	%
		FY 2013	FY 2014	FY 2014	FY 2015	Change
5100	Salaries	\$ 88,262	\$ 92,178	\$ 93,148	\$ 97,107	5%
5200	Benefits	\$ 36,113	\$ 43,922	\$ 40,861	\$ 46,292	5%
<b>Total Personnel Expenses</b>		<b>\$ 124,375</b>	<b>\$ 136,100</b>	<b>\$ 134,009</b>	<b>\$ 143,399</b>	<b>5%</b>

Non-Personnel Expenses						
		Actual	Budget	Projected	Recommended	%
		FY 2013	FY 2014	FY 2014	FY 2015	Change
32001	5431 Water	\$ 4,662	\$ 7,974	\$ 3,744	\$ 3,820	-52%
32001	5435 Electricity	\$ 161,051	\$ 174,340	\$ 163,373	\$ 173,433	-1%
32001	5910 Equipment Rental	\$ -	\$ 300	\$ 300	\$ 300	0%
32001	6120 Fuel & Lube	\$ 5,994	\$ 4,497	\$ 4,497	\$ 4,826	7%
32001	6410 Laundry & Uniforms	\$ 260	\$ 250	\$ 250	\$ 250	0%
32001	6730 Repair Maint Non Specific	\$ 2,212	\$ 3,000	\$ 3,000	\$ 3,000	0%
32001	6920 Permits	\$ 1,710	\$ 2,556	\$ 2,556	\$ 2,541	-1%
32001	6930 Repair Maint Electric Pipe	\$ 3,742	\$ 4,000	\$ 4,000	\$ 5,000	25%
32001	6940 Repair Maint Planned	\$ 3,981	\$ 7,000	\$ 7,000	\$ 7,000	0%
32001	7010 Plant Contracts	\$ 3,383	\$ 2,700	\$ 2,700	\$ 3,200	19%
32001	7320 Safety Equipment	\$ 936	\$ 1,015	\$ 1,015	\$ 1,015	0%
32001	7330 Specialty Services	\$ 13,900	\$ 14,200	\$ 16,600	\$ 21,850	54%
<b>Total Non-Personnel Expenses</b>		<b>\$ 201,830</b>	<b>\$ 221,832</b>	<b>\$ 209,035</b>	<b>\$ 226,234</b>	<b>2%</b>

Internal Service Fund Expenses						
		Actual	Budget	Projected	Recommended	%
		FY 2013	FY 2014	FY 2014	FY 2015	Change
11001	Administration	\$ 60,280	\$ 54,634	\$ 58,450	\$ 58,729	7%
<b>Total Internal Service Fund Expenses</b>		<b>\$ 60,280</b>	<b>\$ 54,634</b>	<b>\$ 58,450</b>	<b>\$ 58,729</b>	<b>7%</b>
<b>Total Operating Expenses</b>		<b>\$ 386,485</b>	<b>\$ 412,566</b>	<b>\$ 401,494</b>	<b>\$ 428,362</b>	<b>4%</b>

## Buena Sanitation District Facilities Operating Expense Summary

Personnel Expenses						
		Actual	Budget	Projected	Recommended	%
		FY 2013	FY 2014	FY 2014	FY 2015	Change
5100	Salaries	\$ 90,990	\$ 95,676	\$ 95,777	\$ 100,836	5%
5200	Benefits	\$ 37,351	\$ 45,074	\$ 41,871	\$ 48,082	7%
<b>Total Personnel Expenses</b>		<b>\$ 128,341</b>	<b>\$ 140,750</b>	<b>\$ 137,648</b>	<b>\$ 148,918</b>	<b>6%</b>

Non-Personnel Expenses						
		Actual	Budget	Projected	Recommended	%
		FY 2013	FY 2014	FY 2014	FY 2015	Change
37001	5431 Water	\$ 2,739	\$ 2,832	\$ 2,486	\$ 2,695	-5%
37001	5435 Electricity	\$ 93,883	\$ 97,781	\$ 101,600	\$ 97,881	0%
37001	6120 Fuel & Lube	\$ 3,160	\$ 3,797	\$ 3,797	\$ 4,077	7%
37001	6410 Laundry & Uniforms	\$ 260	\$ 250	\$ 250	\$ 250	0%
37001	6710 Equipment New	\$ -	\$ 500	\$ 500	\$ 500	0%
37001	6730 Repair Maint Non Specific	\$ 1,272	\$ 2,000	\$ 2,000	\$ 2,000	0%
37001	6920 Permits	\$ 1,612	\$ 3,016	\$ 2,853	\$ 2,853	-5%
37001	6930 Repair Maint Electric Pipe	\$ (2,224)	\$ 5,000	\$ 5,000	\$ 5,000	0%
37001	6940 Repair Maint Planned	\$ 4,534	\$ 4,000	\$ 4,000	\$ 4,000	0%
37001	7320 Safety Equipment	\$ 680	\$ 700	\$ 700	\$ 700	0%
37001	7330 Specialty Services	\$ 13,339	\$ 16,150	\$ 18,250	\$ 20,150	25%
<b>Total Non-Personnel Expenses</b>		<b>\$ 120,732</b>	<b>\$ 136,026</b>	<b>\$ 141,436</b>	<b>\$ 140,106</b>	<b>3%</b>

Internal Service Fund Expenses						
		Actual	Budget	Projected	Recommended	%
		FY 2013	FY 2014	FY 2014	FY 2015	Change
11001	Administration	\$ 47,363	\$ 39,135	\$ 41,868	\$ 41,949	7%
<b>Total Internal Service Fund Expenses</b>		<b>\$ 47,363</b>	<b>\$ 39,439</b>	<b>\$ 42,150</b>	<b>\$ 41,949</b>	<b>6%</b>
<b>Total Operating Expenses</b>		<b>\$ 296,435</b>	<b>\$ 316,215</b>	<b>\$ 321,234</b>	<b>\$ 330,973</b>	<b>5%</b>

# Carlsbad Water Recycling Facility

## Operating Expense Summary

Personnel Expenses						
		Actual	Budget	Projected	Recommended	%
		FY 2013	FY 2014	FY 2014	FY 2015	Change
5100	Salaries	\$ 353,815	\$ 267,094	\$ 206,796	\$ 284,355	6%
5200	Benefits	\$ 140,151	\$ 129,906	\$ 91,269	\$ 139,628	7%
<b>Total Personnel Expenses</b>		<b>\$ 493,966</b>	<b>\$ 397,000</b>	<b>\$ 298,065</b>	<b>\$ 423,983</b>	<b>7%</b>

Non-Personnel Expenses							
		Actual	Budget	Projected	Recommended	%	
		FY 2013	FY 2014	FY 2014	FY 2015	Change	
38001	5394	Caustic Membrane Filtration	\$ -	\$ 5,000	\$ 1,232	\$ 4,200	-16%
38001	5395	Citric Acid	\$ -	\$ 1,700	\$ 1,850	\$ 2,775	63%
38001	5407	Sodium Hypochlorite	\$ 78,277	\$ 63,000	\$ 65,701	\$ 69,552	10%
38001	5409	Dewatering Polymer	\$ -	\$ 12,000	\$ 7,612	\$ 9,765	-19%
38001	5435	Electricity	\$ 84,126	\$ 83,000	\$ 109,646	\$ 111,645	35%
38001	5530	Corrosion Protection	\$ -	\$ 1,000	\$ 1,000	\$ 1,000	0%
38001	5910	Equipment Rental	\$ -	\$ 1,500	\$ 1,500	\$ 1,500	0%
38001	6120	Fuel & Lube	\$ 2,021	\$ 1,934	\$ 1,934	\$ 1,934	0%
38001	6230	Janitorial	\$ 1,969	\$ 2,100	\$ 2,100	\$ 2,100	0%
38001	6410	Laundry & Uniforms	\$ 780	\$ 1,100	\$ 1,100	\$ 1,100	0%
38001	6424	Information Systems	\$ 3,557	\$ 4,000	\$ 4,000	\$ 4,000	0%
38001	6730	Repair Maint Non Specific	\$ 4,011	\$ 8,000	\$ 8,000	\$ 8,000	0%
38001	6920	Permits	\$ 12,306	\$ 12,404	\$ 14,808	\$ 16,406	32%
38001	6930	Repair Maint Electric Pipe	\$ 2,908	\$ 4,000	\$ 4,000	\$ 4,000	0%
38001	6940	Repair Maint Planned	\$ 12,803	\$ 23,800	\$ 23,800	\$ 23,800	0%
38001	7010	Plant Contracts	\$ 1,302	\$ 7,050	\$ 7,050	\$ 7,050	0%
38001	7320	Safety Equipment	\$ 1,178	\$ 1,200	\$ 1,200	\$ 1,200	0%
38001	7330	Specialty Services	\$ 13,072	\$ 13,800	\$ 16,200	\$ 21,200	54%
38001	7510	Tools	\$ 1,977	\$ 500	\$ 500	\$ 500	0%
<b>Total Non-Personnel Expenses</b>		<b>\$ 221,158</b>	<b>\$ 247,088</b>	<b>\$ 273,233</b>	<b>\$ 291,727</b>	<b>18%</b>	

Internal Service Fund Expenses						
		Actual	Budget	Projected	Recommended	%
		FY 2013	FY 2014	FY 2014	FY 2015	Change
11001	Administration	\$ 109,796	\$ 102,944	\$ 110,135	\$ 111,165	8%
12001	Laboratory	\$ 19,074	\$ 71,304	\$ 65,905	\$ 25,828	-64%
<b>Total Internal Service Fund Expenses</b>		<b>\$ 128,870</b>	<b>\$ 174,249</b>	<b>\$ 176,040</b>	<b>\$ 136,993</b>	<b>-21%</b>
<b>Total Operating Expenses</b>		<b>\$ 843,994</b>	<b>\$ 818,337</b>	<b>\$ 747,338</b>	<b>\$ 852,703</b>	<b>4%</b>

# Raceway Basin Pump Station Operating Expense Summary

		Personnel Expenses				
		Actual	Budget	Projected	Recommended	%
		FY 2013	FY 2014	FY 2014	FY 2015	Change
5100	Salaries	\$ 64,211	\$ 70,847	\$ 68,219	\$ 73,900	4%
5200	Benefits	\$ 25,491	\$ 33,212	\$ 29,803	\$ 36,103	9%
<b>Total Personnel Expenses</b>		<b>\$ 89,702</b>	<b>\$ 104,059</b>	<b>\$ 98,022</b>	<b>\$ 110,004</b>	<b>6%</b>

		Non-Personnel Expenses				
		Actual	Budget	Projected	Recommended	%
		FY 2013	FY 2014	FY 2014	FY 2015	Change
39001	5431 Water	\$ 550	\$ 578	\$ 562	\$ 567	-2%
39001	5435 Electricity	\$ 16,895	\$ 17,200	\$ 21,000	\$ 21,834	27%
39001	5445 Telephone	\$ 442	\$ 600	\$ 600	\$ 600	0%
39001	5910 Equipment Rental	\$ -	\$ 300	\$ 300	\$ 300	0%
39001	6120 Fuel & Lube	\$ 3,993	\$ 4,361	\$ 4,361	\$ 4,376	0%
39001	6410 Laundry & Uniforms	\$ 260	\$ 250	\$ 250	\$ 250	0%
39001	6710 Equipment New	\$ -	\$ 250	\$ 250	\$ 250	0%
39001	6730 Repair Maint Non Specific	\$ 1,269	\$ 2,000	\$ 2,000	\$ 2,000	0%
39001	6920 Permits	\$ 1,610	\$ 1,915	\$ 2,097	\$ 2,097	10%
39001	6930 Repair Maint Electric Pipe	\$ 998	\$ 2,000	\$ 2,000	\$ 2,000	0%
39001	6940 Repair Maint Planned	\$ -	\$ 3,000	\$ 3,000	\$ 3,000	0%
39001	7010 Plant Contracts	\$ 725	\$ 2,250	\$ 2,250	\$ 2,250	0%
39001	7320 Safety Equipment	\$ 271	\$ 650	\$ 650	\$ 650	0%
39001	7330 Specialty Services	\$ 6,610	\$ 7,250	\$ 13,250	\$ 18,250	152%
<b>Total Non-Personnel Expenses</b>		<b>\$ 33,624</b>	<b>\$ 42,604</b>	<b>\$ 52,570</b>	<b>\$ 58,424</b>	<b>37%</b>

		Internal Service Fund Expenses				
		Actual	Budget	Projected	Recommended	%
		FY 2013	FY 2014	FY 2014	FY 2015	Change
11001	Administration	\$ 23,681	\$ 23,055	\$ 24,665	\$ 24,121	5%
<b>Total Internal Service Fund Expenses</b>		<b>\$ 23,681</b>	<b>\$ 23,055</b>	<b>\$ 24,665</b>	<b>\$ 24,121</b>	<b>5%</b>
<b>Total Operating Expenses</b>		<b>\$ 147,007</b>	<b>\$ 169,718</b>	<b>\$ 175,257</b>	<b>\$ 192,549</b>	<b>13%</b>



## Program Overview

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.

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.



Testing Digester Alkalinity

**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 \$140,000 in annual expense offsetting revenue. EWPCF’s Energy Management facilities generate over 12 million kilowatt hours of green electricity per year from biogas thus providing more than 65% 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.



Cogeneration Engines

# Internal Service Funds

## Operating Expense Summary

		Personnel Expenses				
		Actual	Budget	Projected	Recommended	%
		FY 2013	FY 2014	FY 2014	FY 2015	Change
5100	Salaries	\$ 1,534,913	\$ 1,413,489	\$ 1,484,879	\$ 1,452,780	3%
5200	Benefits	\$ 601,229	\$ 643,274	\$ 652,972	\$ 699,259	9%
<b>Total Personnel Expenses</b>		<b>\$ 2,136,142</b>	<b>\$ 2,056,762</b>	<b>\$ 2,137,851</b>	<b>\$ 2,152,038</b>	<b>5%</b>

		Non-Personnel Expenses				
		Actual	Budget	Projected	Recommended	%
		FY 2013	FY 2014	FY 2014	FY 2015	Change
11001	5445 Telephone	\$ 68,492	\$ 69,612	\$ 69,612	\$ 44,124	-37%
11001	5510 Advertising	\$ 3,010	\$ 2,122	\$ 3,152	\$ 2,922	38%
11001	5810 Employee Recognition	\$ 8,699	\$ 8,510	\$ 8,150	\$ 8,510	0%
11001	5920 Equipment Repair Maint	\$ 21,611	\$ 23,350	\$ 21,950	\$ 23,350	0%
11001	6210 Independent Auditor/Actuary	\$ 24,600	\$ 30,500	\$ 25,000	\$ 30,500	0%
11001	6220 Insurance	\$ 206,411	\$ 234,488	\$ 186,800	\$ 245,235	5%
11001	6420 Legal Services	\$ 75,759	\$ 83,500	\$ 33,478	\$ 87,225	4%
11001	6430 Memberships	\$ 52,435	\$ 54,460	\$ 103,731	\$ 67,258	23%
11001	6440 Mileage Reimbursement	\$ 3,887	\$ 1,620	\$ 4,736	\$ 3,000	85%
11001	6450 Professional Services	\$ 114,950	\$ 134,000	\$ 237,562	\$ 237,650	77%
11001	6830 Materials & Supplies	\$ 21,865	\$ 25,760	\$ 21,538	\$ 25,919	1%
11001	7110 Postage	\$ 4,970	\$ 6,210	\$ 5,482	\$ 6,393	3%
11001	7120 Printing & Reproduction	\$ 1,340	\$ 3,400	\$ 3,200	\$ 3,400	0%
11001	7410 Subscriptions	\$ 189	\$ 1,239	\$ 1,239	\$ 1,239	0%
11001	7610 Professional Development	\$ 91,113	\$ 106,000	\$ 104,305	\$ 103,000	-3%
12001	5520 Books	\$ -	\$ 500	\$ 386	\$ 500	0%
12001	6120 Fuel & Lube	\$ 435	\$ 782	\$ 1,451	\$ 788	1%
12001	6310 Lab Equipment Repair	\$ 41,200	\$ 46,366	\$ 45,126	\$ 30,166	-35%
12001	6320 Lab Minor Equip Replace	\$ 3,061	\$ 13,175	\$ 12,250	\$ 10,800	-18%
12001	6330 Lab Supplies	\$ 62,053	\$ 66,000	\$ 62,340	\$ 67,800	3%
12001	6410 Laundry & Uniforms	\$ 3,120	\$ 3,300	\$ 3,300	\$ 3,300	0%
12001	6450 Professional Services	\$ 5,684	\$ 6,000	\$ 5,328	\$ 6,000	0%
12001	6810 Ocean Monitoring	\$ 24,828	\$ 180,000	\$ 113,966	\$ -	-100%
12001	6910 Outside Analysis	\$ 6,010	\$ 5,000	\$ 4,785	\$ 25,000	400%
12001	6911 Effluent Testing	\$ 18,066	\$ 25,000	\$ 23,401	\$ 9,000	-64%
12001	6912 Biosolids Testing	\$ 9,271	\$ 11,750	\$ 11,138	\$ 8,750	-26%
12001	6913 Industrial User Testing	\$ 24,887	\$ 30,000	\$ 29,225	\$ 30,000	0%
12001	6920 Permits	\$ 6,963	\$ 8,000	\$ 8,267	\$ 8,000	0%
12001	7120 Printing & Reproduction	\$ -	\$ 500	\$ 375	\$ 500	0%
12001	7330 Specialty Services	\$ 7,149	\$ 10,000	\$ 3,254	\$ 12,250	23%
13001	5410 Chemicals	\$ 4,163	\$ 7,500	\$ 10,500	\$ 9,916	32%
13001	5435 Electricity	\$ 699,068	\$ 750,000	\$ 839,638	\$ 808,432	8%
13001	5440 Natural Gas	\$ 549,124	\$ 614,800	\$ 666,970	\$ 677,692	10%
13001	5520 Books	\$ 108	\$ 125	\$ 125	\$ 125	0%
13001	6120 Fuel & Lube	\$ 25,633	\$ 26,000	\$ 26,000	\$ 29,500	13%
13001	6230 Janitorial	\$ 905	\$ 1,000	\$ 1,393	\$ 1,500	50%
13001	6410 Laundry & Uniforms	\$ 1,680	\$ 1,300	\$ 1,300	\$ 1,300	0%
13001	6730 Repair Maint Non Specific	\$ 15,119	\$ 16,000	\$ 20,000	\$ 20,000	25%
13001	6920 Permits	\$ 23,001	\$ 39,600	\$ 23,232	\$ 28,269	-29%
13001	6940 Repair Maint Planned	\$ 81,068	\$ 75,100	\$ 75,100	\$ 75,100	0%
13001	7330 Specialty Services	\$ 29,095	\$ 40,500	\$ 40,500	\$ 84,500	109%
13001	7510 Tools	\$ 1,331	\$ 1,000	\$ 1,355	\$ 1,500	50%
13001	7610 Professional Development	\$ -	\$ 5,000	\$ 4,773	\$ -	-100%
<b>Total Non-Personnel Expenses</b>		<b>\$ 2,345,948</b>	<b>\$ 2,768,858</b>	<b>\$ 2,865,915</b>	<b>\$ 2,840,413</b>	<b>3%</b>
<b>Total Operating Expenses</b>		<b>\$ 4,482,089</b>	<b>\$ 4,825,620</b>	<b>\$ 5,003,766</b>	<b>\$ 4,992,451</b>	<b>3%</b>

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## Program Overview

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 \$20,000 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.

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 include the purchase of new items that cost more than \$5,000 and have an expected life of greater than one (1) year. Minor Plant Rehabilitation includes facility projects that cost more than \$5,000 but less than \$20,000, 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.



Construction and Engineering Management

## 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 FY 2019, 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 FY 2034, 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 (ENRLA). 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.



Encina Water Pollution Control Facility



## Summary of Capital Expenses

	2013 Actuals	2014 Budget	2015 Recommended
Capital Improvements	\$ 6,179,182	\$ 7,074,000	\$ 7,114,000
Planned Asset Replacement	\$ 753,949	\$ 781,150	\$ 831,350
Capital Acquisitions	\$ 672,219	\$ 695,215	\$ 904,255
<b>Subtotals</b>	<b>\$ 7,605,350</b>	<b>\$ 8,550,365</b>	<b>\$ 8,849,605</b>
Salaries & Benefits	\$ 1,689,882	\$ 1,933,584	\$ 2,013,213
<b>Total Capital Expense</b>	<b>\$ 9,295,232</b>	<b>\$ 10,483,949</b>	<b>\$ 10,862,818</b>

## Estimated Revenues

	2013 Actuals	2014 Budget	2015 Recommended
City of Vista	\$ 2,236,185	\$ 2,704,612	\$ 2,833,913
City of Carlsbad	\$ 2,371,199	\$ 2,555,212	\$ 2,601,958
Buena Sanitation District	\$ 809,069	\$ 892,513	\$ 852,180
Vallecitos Water District	\$ 1,887,660	\$ 2,182,953	\$ 2,374,511
Leucadia Wastewater District	\$ 1,896,988	\$ 1,714,622	\$ 1,755,860
City of Encinitas	\$ 451,397	\$ 434,037	\$ 444,396
<b>Total Capital Revenue</b>	<b>\$ 9,652,498</b>	<b>\$ 10,483,949</b>	<b>\$ 10,862,818</b>

## FY2015 Capital Improvement Program Multi-Year Projects

	2014 Total	2015 Total	Change %
<b>Capital Improvement Projects</b>			
Liquid Process Improvements	\$ 2,417,000	\$ 720,000	-70%
Outfall	\$ -	\$ 255,000	
Solids Process Improvements	\$ 1,317,000	\$ 2,208,000	68%
Energy Management	\$ 2,645,000	\$ 440,000	-83%
General Improvements	\$ 380,000	\$ 884,000	133%
Technology Master Plan	\$ -	\$ 1,798,000	
Professional Services	\$ 315,000	\$ 749,000	138%
<b>Total Capital Improvement Projects</b>	<b>\$ 7,074,000</b>	<b>\$ 7,054,000</b>	<b>0%</b>
Remote Facilities	\$ -	\$ 60,000	
Planned Asset Replacements	\$ 781,150	\$ 831,350	6%
Capital Acquisitions	\$ 695,215	\$ 904,255	30%
Personnel	\$ 1,933,584	\$ 2,013,213	4%
<b>Total Capital Expense</b>	<b>\$ 10,483,949</b>	<b>\$ 10,862,818</b>	<b>4%</b>

# Capital Improvements

ORG	Object	Project	Description	Amount
91502	8335	11001	Influent Junction Structure Rehab (contingency)	\$ 225,000
91502	8334	11006	GRS Isolation Improvements w/GRS 3 Influent Gate	\$ 100,000
91502	8332	12006	PSB Phase I and PE Pipeline Rehab	\$ 75,000
91502	8334	12010	PSB Scum Pipeline - Design	\$ 50,000
91502	8335	12010	PSB Scum Pipeline - Construction	\$ 170,000
91502	8336	12010	PSB Scum Pipeline - Construction Mgmt & Eng (CM&CE)	\$ 25,000
91502	8332	13016	AB Efficiency Optimization	\$ 75,000
91502	8339	21005	Ocean Outfall Bathymetric Survey - External	\$ 96,000
91502	8333	21006	Ocean Outfall - Integrity Assessment per SLC Lease	\$ 159,000
91502	8335	32001	Biofuel Receiving Facilities (contingency)	\$ 300,000
91502	8334	33009	Drying Safety Upgrades Phase 2 & 3 - Design	\$ 120,000
91502	8335	33009	Drying Safety Upgrades Phase 2 & 3 - Construction	\$ 554,000
91502	8336	33009	Drying Safety Upgrades Phase 2 & 3 - Construction Mgmt & Eng (CM&CE)	\$ 79,000
91502	8337	33013	RTO Process Upgrades - Design Build (DB)	\$ 524,000
91502	8336	33013	RTO Process Upgrades - Construction Mgmt & Eng (CM&CE)	\$ 31,000
91502	8334	32014	Digester Gas Pipeline Replacement - Design	\$ 50,000
91502	8335	32014	Digester Gas Pipeline Replacement - Construction	\$ 500,000
91502	8336	32014	Digester Gas Pipeline Replacement - Construction Mgmt & Eng (CM&CE)	\$ 50,000
91502	8339	41006	Cogeneration Engine In-Frame Overhaul	\$ 440,000
91502	8339	51002	ORF I Carbon Replacement	\$ 65,000
91502	8336	51002	ORF I Carbon Replacement - Construction Mgmt & Eng (CM&CE)	\$ 10,000
91502	8335	51008	ORF III Chem. Feed Sys. Improvements - Construction	\$ 541,000
91502	8336	51008	ORF III Chem. Feed Sys. Improvements - Construction Mgmt & Eng (CM&CE)	\$ 63,000
91502	8335	53006	Secondary Scum Pit Roof Removal - Construction	\$ 175,000
91502	8336	53006	Secondary Scum Pit Roof Removal - Construction Mgmt & Eng (CM&CE)	\$ 30,000
91502	8332	61101	Process Control Narrative/Automation Study	\$ 610,000
91502	8334	61201	SCADA Network and Computer Room Upgrades	\$ 670,000
91502	8332	61501	SCADA Design Guidelines	\$ 200,000
91502	8332	61502	SCADA Software Standards	\$ 112,000
91502	8332	62101	IT Governance Policies	\$ 68,000
91502	8334	62301	LIMS Enhancements	\$ 138,000
91502	8333	81004	FY 2015 Asset Condition Assessments - EWPCF	\$ 65,000
91502	8333	81005	Underground Structures - Condition Assessment	\$ 50,000
91502	8332	82013	Process Master Plan	\$ 100,000
91502	8332	83001	E-CAMP Update	\$ 60,000
91502	8332	84001	Extension of Staff Engineering Services	\$ 130,000
91502	8332	84007	Electronic Ops Manual / Document Management	\$ 120,000
91502	8332	84009	Pyrolysis Pilot Study Support	\$ 50,000
91502	8332	84010	Research and Development Services	\$ 50,000
91502	8331	85001	Legal and Miscellaneous Services	\$ 20,000
91502	8331	85003	Printing, Shipping, and Advertising	\$ 4,000
91502	8332	85004	Capital Improvement Management Assessment	\$ 100,000

## Capital Improvements (continued)

ORG	Object	Project	Description	Amount
91502	8332	98001	R-CAMP Update	\$ 45,000
91502	8333	99002	FY 2015 Condition Assessments - Remote Facilities	\$ 15,000
			<b>Total Capital Improvements</b>	<b>\$ 7,114,000</b>

# Planned Asset Replacement

ORG	Object	Project	Description	Amount
80002	8010	80015	General Plant Expense	\$ 65,000
80002	8010	80025	Plant Lighting Project	\$ 25,000
80002	8010	80035	Foul Air Booster Fan Conduit Replacement	\$ 20,000
80002	8010	80045	PA System Upgrades	\$ 15,000
80002	8010	80055	Door Replacement	\$ 6,350
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	8050	80095	Unplanned Expense Primaries	\$ 10,000
80002	8050	80105	Primary Grinder Rebuild	\$ 9,000
80002	8050	80115	Sedimentation Tank Sprocket Replacement	\$ 6,000
80002	8060	80125	Seeps VFD Replacement	\$ 104,000
80002	8060	80135	Handheld Monitoring Systems	\$ 31,000
80002	8060	80145	Seeps Pump Overhaul and Motor Replacement	\$ 20,000
80002	8060	80155	Primary EQ Pump Overhaul	\$ 19,000
80002	8060	80165	MF Feed Pump Replacement	\$ 16,000
80002	8060	80175	ORF3 Probe Replacement	\$ 9,000
80002	8060	80185	Unplanned Expense Secondaries	\$ 8,000
80002	8070	80195	Unplanned Expense Digesters	\$ 8,000
80002	8080	80205	Heat Dryer Security Upgrade	\$ 86,000
80002	8080	80215	Load-out Control Install	\$ 42,000
80002	8080	80225	Load-out Chute Replacement	\$ 28,000
80002	8080	80235	Heat Dryer Equipment Replacement	\$ 20,000
80002	8080	80245	Annual Centrifuge Overhaul	\$ 16,000
80002	8080	80255	Cake Pump Rebuilds	\$ 16,000
80002	8080	80265	Unplanned Expense Solids Processing	\$ 10,000
80002	8080	80275	Annual Centrifuge Feed Pump Overhaul	\$ 6,000
80002	8080	80285	Cake Pump Gear Box Replacement	\$ 5,000
80002	8090	80295	CoGen Mezzanine Access	\$ 50,000
80002	8090	80305	Chiller Rehabilitation	\$ 40,000
80002	8090	80315	Blower bearing replacement	\$ 30,000
80002	8090	80325	Mixed gas blowers rebuild	\$ 30,000
80002	8090	80335	Air compressor replacement	\$ 23,000
80002	8090	80345	Unplanned Expense CoGen Engines	\$ 10,000
80002	8090	80355	Cogen Switch Replacement	\$ 6,000
80002	8090	80365	CoGen Lighting Replacement	\$ 5,000
<b>Total Planned Asset Replacements</b>				<b>\$ 831,350</b>



## Capital Acquisitions

ORG	Object	Project	Description	Amount
12002	7730	70015	New Equipment - WIMS/LIMS Tablet Interface	\$ 20,000
12002	7730	70025	New Equipment - Glassware Dishwasher	\$ 14,120
12002	7730	70035	New Equipment - Refrigerator for Sample Storage	\$ 12,000
23002	7710	70045	Munis Upgrades and Enhancements	\$ 61,000
23002	7710	70055	SCADA Alarm Remediation	\$ 58,000
23002	7710	70065	WIMS Wireless Upgrade	\$ 50,000
23002	7710	70075	SCADA Flow Pacing Upgrade	\$ 40,000
23002	7710	70085	Computer Replacement Project	\$ 25,000
23002	7710	70095	PureGreen Website	\$ 25,000
23002	7710	70105	Website Replacement	\$ 25,000
23002	7710	70115	Laserfiche Upgrade	\$ 19,000
23002	7710	70125	Replacement Servers	\$ 18,000
23002	7710	70135	Network Management Software	\$ 17,000
23002	7710	70145	Smart Board for Closed Session	\$ 15,000
23002	7710	70155	Switch Replacement	\$ 15,000
23002	7710	70165	Board Room Screen Replacement	\$ 14,000
23002	7710	70175	Microsoft Client Access	\$ 12,500
23002	7710	70185	VM Storage Project	\$ 9,500
23002	7710	70195	Data Storage Expansion	\$ 6,000
23002	7710	70205	SharePoint Server Upgrade	\$ 5,500
23002	7710	70215	SCADA Secure Access Upgrade	\$ 5,000
23002	7730	70225	New Equipment - Chain Falls	\$ 5,000
23002	7740	70235	New Equipment - Forklift Replacement	\$ 36,015
23002	7740	70245	New Equipment - Vehicle Replacement	\$ 35,000
23002	7740	70255	New Equipment - Cart Replacement	\$ 12,000
23002	7750	70265	Heat Loop Pump Automation	\$ 25,000
23002	7750	70275	Unplanned Minor Rehab	\$ 20,000
23002	7750	70285	DAF Pressurization Pump Rebuild	\$ 16,000
23002	7750	70295	DAF 3 Cable Replacement	\$ 15,000
23002	7750	70305	Plug Valve Replacement	\$ 10,000
23002	7750	70315	Corrosion Control	\$ 7,600
23002	7750	70325	DAF 1 Wiring Replacement	\$ 7,000
23002	7750	70335	2W Pressure Pump Replacement	\$ 5,000
31002	7750	70345	Agua Hedionda Pump Station - Grinder Rebuild	\$ 13,000
31002	7750	70355	Agua Hedionda Pump Station - Sewage Pump Rebuild	\$ 11,000
31002	7750	70365	Agua Hedionda Pump Station - VFD Rebuild	\$ 7,000
31002	7750	70385	Agua Hedionda Pump Station - Unplanned Minor Rehab	\$ 5,000
32002	7750	70395	Buena Vista Pump Station - Grinder Rebuild	\$ 16,000
32002	7750	70405	Buena Vista Pump Station - Deck Repair	\$ 15,520
32002	7750	70415	Buena Vista Pump Station - Gas Detector Replacement	\$ 15,000
32002	7750	70425	Buena Vista Pump Station - Pump Overhaul	\$ 13,000
32002	7750	70435	Buena Vista Pump Station - Water Seal System Replacement	\$ 10,000

## Capital Acquisitions (continued)

ORG	Object	Project	Description	Amount
32002	7750	70445	Buena Vista Pump Station - Grinder Replacement	\$ 5,000
32002	7750	70455	Buena Vista Pump Station - Grinder Replacement	\$ 5,000
37002	7750	70465	Buena Creek Pump Station - Sewage Pump Overhaul	\$ 35,000
37002	7750	70475	Buena Creek Pump Station - Grinder Overhaul	\$ 30,000
37002	7750	70485	Buena Creek Pump Station - VFD Repair	\$ 7,000
37002	7750	70495	Buena Creek Pump Station - Unplanned Minor Rehab	\$ 5,000
38002	7750	70505	Carlsbad Water Recycling Facility - PLC Modifications	\$ 7,500
38002	7750	70515	Carlsbad Water Recycling Facility - Air Compressor / Blower Overhaul	\$ 6,000
38002	7750	70525	Carlsbad Water Recycling Facility - Unplanned Minor Rehab	\$ 5,000
39002	7750	70535	Raceway Basin Pump Station - Sewage Pump Overhaul	\$ 16,000
39002	7750	70545	Raceway Basin Pump Station - Site Security Project	\$ 12,000
39002	7750	70555	Raceway Basin Pump Station - Unplanned Minor Rehab	\$ 5,000
<b>Total Capital Acquisitions</b>				<b>\$ 904,255</b>

**Encina Wastewater Authority  
Long-Term Capital Financial Plan  
5 Year and 20 Year Capital Budget**

<b>Fiscal Year</b>	<b>Capital Improvement Projects</b>	<b>Planned Asset Replacement</b>	<b>Capital Acquisitions</b>	<b>Personnel Expenses</b>	<b>Total</b>
2015	\$ 7,114,000	\$ 831,350	\$ 904,255	\$ 2,013,213	\$ 10,862,818
2016	\$ 11,504,000	\$ 848,000	\$ 922,000	\$ 2,053,000	\$ 15,327,000
2017	\$ 11,313,000	\$ 865,000	\$ 940,000	\$ 2,094,000	\$ 15,212,000
2018	\$ 11,427,000	\$ 882,000	\$ 959,000	\$ 2,136,000	\$ 15,404,000
2019	\$ 10,970,000	\$ 900,000	\$ 978,000	\$ 2,179,000	\$ 15,027,000
<b>5 Year Total</b>	<b>\$ 52,328,000</b>	<b>\$ 4,326,350</b>	<b>\$ 4,703,255</b>	<b>\$ 10,475,213</b>	<b>\$ 71,832,818</b>
2020	\$ 11,189,000	\$ 918,000	\$ 998,000	\$ 2,223,000	\$ 15,328,000
2021	\$ 11,413,000	\$ 936,000	\$ 1,018,000	\$ 2,267,000	\$ 15,634,000
2022	\$ 11,641,000	\$ 955,000	\$ 1,038,000	\$ 2,312,000	\$ 15,946,000
2023	\$ 11,874,000	\$ 974,000	\$ 1,059,000	\$ 2,358,000	\$ 16,265,000
2024	\$ 12,111,000	\$ 993,000	\$ 1,080,000	\$ 2,405,000	\$ 16,589,000
2025	\$ 12,353,000	\$ 1,013,000	\$ 1,102,000	\$ 2,453,000	\$ 16,921,000
2026	\$ 12,600,000	\$ 1,033,000	\$ 1,124,000	\$ 2,502,000	\$ 17,259,000
2027	\$ 12,852,000	\$ 1,054,000	\$ 1,146,000	\$ 2,552,000	\$ 17,604,000
2028	\$ 13,109,000	\$ 1,075,000	\$ 1,169,000	\$ 2,603,000	\$ 17,956,000
2029	\$ 13,371,000	\$ 1,097,000	\$ 1,192,000	\$ 2,655,000	\$ 18,315,000
2030	\$ 13,638,000	\$ 1,119,000	\$ 1,216,000	\$ 2,708,000	\$ 18,681,000
2031	\$ 13,911,000	\$ 1,141,000	\$ 1,240,000	\$ 2,762,000	\$ 19,054,000
2032	\$ 14,189,000	\$ 1,164,000	\$ 1,265,000	\$ 2,817,000	\$ 19,435,000
2033	\$ 14,473,000	\$ 1,187,000	\$ 1,290,000	\$ 2,873,000	\$ 19,823,000
2034	\$ 14,762,000	\$ 1,211,000	\$ 1,316,000	\$ 2,930,000	\$ 20,219,000
<b>Long Term Total</b>	<b>\$ 193,486,000</b>	<b>\$ 15,870,000</b>	<b>\$ 17,253,000</b>	<b>\$ 38,420,000</b>	<b>\$ 265,029,000</b>
<b>Total 20 Year CIP</b>	<b>\$ 245,814,000</b>	<b>\$ 20,196,350</b>	<b>\$ 21,956,255</b>	<b>\$ 48,895,213</b>	<b>\$ 336,861,818</b>