



# ENCINA WASTEWATER AUTHORITY



## Recommended FY2014 Operating and Capital Program Budgets





## **ENCINA WASTEWATER AUTHORITY**

### **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.*

**Proudly serving:**

**City of Carlsbad**

**City of Vista**

**City of Encinitas**

**Leucadia Wastewater District**

**Buena Sanitation District**

**Vallecitos Water District**





## Encina Wastewater Authority

### FY2014 Recommended Operating and Capital Program Budgets

May 22, 2013

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Date: May 22, 2013

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 FY 2014 Recommended Operating & Capital Budgets

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This letter transmits the Encina Wastewater Authority’s (EWA) Recommended Fiscal Year 2014 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 2014; and, the proportionate amount to be paid by each Member Agency.

**OPERATING BUDGET OVERVIEW**

The Recommend FY 2014 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 2014 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:	FY 2012	FY 2013 Budget	FY 2014 Recommended	% Change
	Actual Expenses			
Encina Water Pollution Control Facility	\$10,296,088	\$11,011,522	\$11,208,861	1%
Source Control	\$623,461	\$587,470	\$684,494	17%
Agua Hedionda Pump Station	\$247,392	\$278,675	\$286,262	3%
Buena Vista Pump Station	\$348,184	\$404,312	\$412,566	2%
Buena Creek Pump Station	\$215,234	\$289,802	\$316,215	9%
Carlsbad Water Recycling Facility	772,107	\$794,887	\$818,336	3%
Raceway Basin Pump Station	147,054	\$170,353	\$169,718	0%
<b>Sub-Total: Expenses</b>	<b>\$12,649,520</b>	<b>\$13,537,021</b>	<b>\$13,896,452</b>	<b>3%</b>
Anticipated Operating Revenue	(\$265,750)	(\$254,444)	(\$272,000)	7%
<b>Total Operating Budget</b>	<b>12,383,770</b>	<b>\$13,282,577</b>	<b>\$13,624,452</b>	<b>3%</b>



The FY 2014 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 FY 2014 EWPCF Operating Budget includes \$264,000 in contingency funding to help ensure the Member Agencies appropriate sufficient funding for EWA's operations as part of their annual budgeting processes.

**CAPITAL BUDGET OVERVIEW**

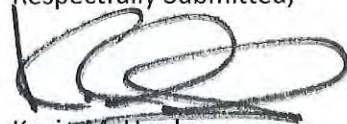
The Recommended FY 2014 Capital Budget totals approximately \$10.4 million including Phase I of the Energy Independence Project: Alternative Fuel Receiving Project.

<b>Program</b>	<b>FY 2012 Actual Expenses</b>	<b>FY 2013 Budget</b>	<b>FY 2014 Budget</b>
CAMP Improvement Projects	\$6,777,471	\$6,536,000	7,074,000
Planned Asset Replacement (PAR)	\$1,153,111	\$906,500	\$781,150
Acquisitions	\$593,892	\$822,450	\$695,215
Allocated Personnel Expenses	\$1,580,150	\$1,730,002	\$1,933,584
<b>Total Capital Budget</b>	<b>\$10,104,624</b>	<b>\$9,996,047</b>	<b>\$10,483,949</b>

Improvement Projects are planned, scoped, and prioritized through the Comprehensive Asset Management Plan (CAMP). The CAMP is updated annually prior to developing the Capital Budget and considers anticipated changes in regulatory requirements, prospective operational efficiencies, funding availability and any other pertinent factors identified by EWA staff or the Encina Member Agency Managers. PAR reflects minor plant rehabilitation efforts undertaken by EWA staff to maintain the \$233.3 million invested by the Member Agencies in Joint System assets. Recommended Capital Acquisitions reflect staff's best professional judgment regarding the appropriate level of 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 led the production team with the counsel of Assistant General Manager Mike Steinlicht and the assistance of Financial Management Consultant Joseph Spence and Administrative Intern Aimal Laiq. 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



## Encina Wastewater Pollution Facility



## Encina Wastewater Authority Revenue and Expense Summary

Revenue Summary							
	2012 Actual	2013 Budget	2013 Projected	2014 Recommended	Change	%	
City of Vista	\$ 2,972,735	\$ 3,207,587	\$ 3,150,480	\$ 3,370,819	\$ 163,232	5.1%	
City of Carlsbad	\$ 3,854,579	\$ 4,083,414	\$ 4,048,466	\$ 4,014,836	\$ (68,578)	-1.7%	
Buena Sanitation District	\$ 1,219,645	\$ 1,297,258	\$ 1,270,424	\$ 1,335,658	\$ 38,400	3.0%	
Vallecitos Water District	\$ 2,267,470	\$ 2,228,049	\$ 2,145,955	\$ 2,586,260	\$ 358,211	16.1%	
Leucadia Wastewater District	\$ 1,787,779	\$ 1,878,521	\$ 1,866,949	\$ 1,761,903	\$ (116,618)	-6.2%	
City of Encinitas	\$ 547,312	\$ 587,749	\$ 576,538	\$ 554,976	\$ (32,773)	-5.6%	
<b>Sub Total</b>	<b>\$ 12,649,520</b>	<b>\$ 13,282,577</b>	<b>\$ 13,058,812</b>	<b>\$ 13,624,452</b>	<b>\$ 341,875</b>	<b>2.6%</b>	
Estimated Revenue		\$ 254,444	\$ 245,123	\$ 272,000			
<b>Total</b>	<b>\$ 12,649,520</b>	<b>\$ 13,537,021</b>	<b>\$ 13,303,935</b>	<b>\$ 13,896,452</b>	<b>\$ 359,431</b>	<b>2.7%</b>	

\*2012 Actual total is net of revenue

Operating Revenues by Program							
	2012 Actual	2013 Original	2013 Projected	2014 Recommended	Change	%	
Encina Water Pollution Control Facilities	\$ 10,296,088	\$ 11,011,522	\$ 11,118,072	\$ 11,208,861	\$ 197,339	1.8%	
Source Control	\$ 623,461	\$ 587,470	\$ 526,285	\$ 684,494	\$ 97,024	16.5%	
Agua Hedionda Pump Station	\$ 247,392	\$ 278,675	\$ 207,050	\$ 286,262	\$ 7,587	2.7%	
Buena Vista Pump Station	\$ 348,184	\$ 404,312	\$ 389,277	\$ 412,566	\$ 8,254	2.0%	
Buena Creek Pump Station	\$ 215,234	\$ 289,802	\$ 302,534	\$ 316,215	\$ 26,413	9.1%	
Carlsbad Water Recycling Facility	\$ 772,107	\$ 794,887	\$ 787,163	\$ 818,336	\$ 23,449	2.9%	
Raceway Basin Pump Station	\$ 147,054	\$ 170,353	\$ 162,719	\$ 169,718	\$ (635)	-0.4%	
<b>Total</b>	<b>\$ 12,649,520</b>	<b>\$ 13,537,021</b>	<b>\$ 13,493,100</b>	<b>\$ 13,896,452</b>	<b>\$ 359,431</b>	<b>2.7%</b>	

Operating Budget Expense Summary							
	2012 Actual	2013 Budget	2013 Projected	2014 Recommended	Change	%	
Encina Water Pollution Control Facilities	\$ 10,689,974	\$ 11,011,522	\$ 11,011,516	\$ 10,936,861	\$ (74,661)	-0.7%	
Environmental Compliance Source Control	\$ 592,387	\$ 587,470	\$ 598,412	\$ 684,494	\$ 97,024	16.5%	
Agua Hedionda Pump Station	\$ 265,478	\$ 278,675	\$ 270,050	\$ 286,262	\$ 7,587	2.7%	
Buena Vista Pump Station	\$ 369,548	\$ 404,312	\$ 389,277	\$ 412,566	\$ 8,254	2.0%	
Buena Sanitation District Facilities	\$ 164,032	\$ 289,802	\$ 302,534	\$ 316,215	\$ 26,413	9.1%	
Carlsbad Water Recycling Facility	\$ 727,914	\$ 794,887	\$ 787,163	\$ 818,336	\$ 23,449	2.9%	
Raceway Basin Pump Station	\$ 150,879	\$ 170,353	\$ 165,423	\$ 169,718	\$ (635)	-0.4%	
<b>Sub Total</b>	<b>\$ 12,960,212</b>	<b>\$ 13,537,021</b>	<b>\$ 13,524,375</b>	<b>\$ 13,624,452</b>	<b>\$ 87,431</b>	<b>0.6%</b>	

Combined Operating Budget Expense							
	2012 Actual	2013 Original	2013 Projected	2014 Recommended	Change	%	
Personnel	\$ 4,818,770	\$ 4,972,521	\$ 4,979,231	\$ 5,308,464	\$ 335,943	6.8%	
Non-Personnel	\$ 3,318,716	\$ 3,915,943	\$ 3,912,134	\$ 3,762,156	\$ (153,787)	-3.9%	
Internal Service Fund	\$ 4,822,726	\$ 4,648,559	\$ 4,573,623	\$ 4,825,830	\$ 177,271	3.8%	
<b>Total</b>	<b>\$ 12,960,212</b>	<b>\$ 13,537,021</b>	<b>\$ 13,464,988</b>	<b>\$ 13,896,452</b>	<b>\$ 359,431</b>	<b>2.7%</b>	



## Encina Wastewater Authority Operating Budget Expense Summary

### Encina Water Pollution Control Facilities

	2012 Actual	2013 Original	2013 Projected	2014 Recommended	Change	%
Personnel	\$ 3,635,007	\$ 3,655,958	\$ 3,601,335	\$ 3,926,514	\$ 270,556	7.4%
Non-Personnel	\$ 2,691,094	\$ 3,157,710	\$ 3,337,905	\$ 2,962,197	\$ (195,513)	-6.2%
Internal Service Fund	\$ 4,465,224	\$ 4,197,854	\$ 4,178,832	\$ 4,320,149	\$ 122,295	2.9%
<b>Total</b>	<b>\$ 10,791,325</b>	<b>\$ 11,011,522</b>	<b>\$ 11,118,072</b>	<b>\$ 11,208,860</b>	<b>\$ 197,338</b>	<b>1.8%</b>

### Environmental Compliance Source Control

	2012 Actual	2013 Original	2013 Projected	2014 Recommended	Change	%
Personnel	\$ 471,109	\$ 436,366	\$ 383,347	\$ 466,849	\$ 30,483	7.0%
Non-Personnel	\$ 25,457	\$ 27,009	\$ 20,570	\$ 41,135	\$ 14,126	52.3%
Internal Service Fund	\$ 95,820	\$ 124,095	\$ 122,368	\$ 176,510	\$ 52,415	42.2%
<b>Total</b>	<b>\$ 592,387</b>	<b>\$ 587,470</b>	<b>\$ 526,285</b>	<b>\$ 684,494</b>	<b>\$ 97,024</b>	<b>16.5%</b>

### Agua Hedionda Pump Station

	2012 Actual	2013 Original	2013 Projected	2014 Recommended	Change	%
Personnel	\$ 121,825	\$ 131,174	\$ 130,092	\$ 137,403	\$ 6,229	4.7%
Non-Personnel	\$ 106,812	\$ 111,376	\$ 104,717	\$ 111,274	\$ (102)	-0.1%
Internal Service Fund	\$ 36,841	\$ 36,125	\$ 35,241	\$ 37,585	\$ 1,460	4.0%
<b>Total</b>	<b>\$ 265,478</b>	<b>\$ 278,675</b>	<b>\$ 270,050</b>	<b>\$ 286,262</b>	<b>\$ 7,587</b>	<b>2.7%</b>

### Buena Vista Pump Station

	2012 Actual	2013 Original	2013 Projected	2014 Recommended	Change	%
Personnel	\$ 106,084	\$ 129,962	\$ 125,899	\$ 136,100	\$ 6,138	4.7%
Non-Personnel	\$ 210,842	\$ 221,838	\$ 213,230	\$ 221,832	\$ (6)	0.0%
Internal Service Fund	\$ 52,621	\$ 52,512	\$ 50,148	\$ 54,634	\$ 2,122	4.0%
<b>Total</b>	<b>\$ 369,547</b>	<b>\$ 404,312</b>	<b>\$ 389,277</b>	<b>\$ 412,566</b>	<b>\$ 8,254</b>	<b>2.0%</b>

### Buena Sanitation District Facilities

	2012 Actual	2013 Original	2013 Projected	2014 Recommended	Change	%
Personnel	\$ -	\$ 135,006	\$ 134,522	\$ 140,750	\$ 5,744	4.3%
Non-Personnel	\$ 147,507	\$ 116,672	\$ 131,239	\$ 136,026	\$ 19,354	16.6%
Internal Service Fund	\$ 41,153	\$ 38,124	\$ 36,773	\$ 39,439	\$ 1,315	3.4%
<b>Total</b>	<b>\$ 188,660</b>	<b>\$ 289,802</b>	<b>\$ 302,534</b>	<b>\$ 316,215</b>	<b>\$ 26,413</b>	<b>9.1%</b>

### Carlsbad Water Recycling Facility

	2012 Actual	2013 Original	2013 Projected	2014 Recommended	Change	%
Personnel	\$ 405,530	\$ 385,625	\$ 372,117	\$ 397,000	\$ 11,375	2.9%
Non-Personnel	\$ 212,493	\$ 231,572	\$ 241,664	\$ 247,088	\$ 15,516	6.7%
Internal Service Fund	\$ 109,891	\$ 177,690	\$ 173,382	\$ 174,248	\$ (3,442)	-1.9%
<b>Total</b>	<b>\$ 727,914</b>	<b>\$ 794,887</b>	<b>\$ 787,163</b>	<b>\$ 818,336</b>	<b>\$ 23,449</b>	<b>2.9%</b>

### Raceway Basin Pump Station

	2012 Actual	2013 Original	2013 Projected	2014 Recommended	Change	%
Personnel	\$ 79,214	\$ 98,429	\$ 93,453	\$ 104,059	\$ 5,630	5.7%
Non-Personnel	\$ 50,490	\$ 49,765	\$ 47,123	\$ 42,604	\$ (7,161)	-14.4%
Internal Service Fund	\$ 21,175	\$ 22,159	\$ 22,143	\$ 23,055	\$ 896	4.0%
<b>Total</b>	<b>\$ 150,879</b>	<b>\$ 170,353</b>	<b>\$ 162,719</b>	<b>\$ 169,718</b>	<b>\$ (635)</b>	<b>-0.4%</b>

## Encina Wastewater Authority Operating Budget Revenue Summary

### City of Vista

Operating Budget Revenue Summary						
	2012 Actual	2013 Original	2013 Projected	2014 Recommended	Change	%
Encina Water Pollution Control Facilities	\$ 2,273,807	\$ 2,312,773	\$ 2,291,456	\$ 2,437,920	\$ 125,147	5.4%
Source Control	\$ 154,021	\$ 168,016	\$ 161,054	\$ 195,715	\$ 27,699	16.5%
Agua Hedionda Pump Station	\$ 183,445	\$ 192,564	\$ 189,423	\$ 197,807	\$ 5,243	2.7%
Buena Vista Pump Station	\$ 331,115	\$ 363,881	\$ 343,124	\$ 369,659	\$ 5,778	1.6%
Raceway Basin Pump Station	\$ 150,879	\$ 170,353	\$ 165,423	\$ 169,718	\$ (635)	-0.4%
<b>Total</b>	<b>\$ 3,093,267</b>	<b>\$ 3,207,587</b>	<b>\$ 3,150,480</b>	<b>\$ 3,370,819</b>	<b>\$ 163,232</b>	<b>5.1%</b>

### City of Carlsbad

Operating Budget Revenue Summary						
	2012 Actual	2013 Original	2013 Projected	2014 Recommended	Change	%
Encina Water Pollution Control Facilities	\$ 2,878,900	\$ 3,009,830	\$ 2,989,712	\$ 2,878,961	\$ (130,869)	-4.3%
Source Control	\$ 159,944	\$ 152,155	\$ 149,125	\$ 186,177	\$ 34,022	22.4%
Agua Hedionda Pump Station	\$ 82,033	\$ 86,111	\$ 85,421	\$ 88,455	\$ 2,344	2.7%
Buena Vista Pump Station	\$ 38,433	\$ 40,431	\$ 39,456	\$ 42,907	\$ 2,476	6.1%
Carlsbad Water Recycling Facility	\$ 727,914	\$ 794,887	\$ 784,752	\$ 818,336	\$ 23,449	2.9%
<b>Total</b>	<b>\$ 3,887,225</b>	<b>\$ 4,083,414</b>	<b>\$ 4,048,466</b>	<b>\$ 4,014,836</b>	<b>\$ (68,578)</b>	<b>-1.7%</b>

### Buena Sanitation District Facilities

Operating Budget Revenue Summary						
	2012 Actual	2013 Original	2013 Projected	2014 Recommended	Change	%
Encina Water Pollution Control Facilities	\$ 891,677	\$ 938,017	\$ 924,121	\$ 918,994	\$ (19,023)	-2.0%
Source Control	\$ 59,239	\$ 69,439	\$ 67,891	\$ 100,449	\$ 31,010	44.7%
Buena Creek Pump Station	\$ 164,032	\$ 289,802	\$ 278,412	\$ 316,215	\$ 26,413	9.1%
<b>Total</b>	<b>\$ 1,114,948</b>	<b>\$ 1,297,258</b>	<b>\$ 1,270,424</b>	<b>\$ 1,335,658</b>	<b>\$ 38,400</b>	<b>3.0%</b>

### Vallecitos Water District

Operating Budget Revenue Summary						
	2012 Actual	2013 Original	2013 Projected	2014 Recommended	Change	%
Encina Water Pollution Control Facilities	\$ 2,132,045	\$ 2,097,630	\$ 2,017,543	\$ 2,447,353	\$ 349,723	16.7%
Source Control	\$ 142,173	\$ 130,419	\$ 128,412	\$ 138,907	\$ 8,488	6.5%
<b>Total</b>	<b>\$ 2,274,218</b>	<b>\$ 2,228,049</b>	<b>\$ 2,145,955</b>	<b>\$ 2,586,260</b>	<b>\$ 358,211</b>	<b>16.1%</b>

### Leucadia Wastewater District

Operating Budget Revenue Summary						
	2012 Actual	2013 Original	2013 Projected	2014 Recommended	Change	%
Encina Water Pollution Control Facilities	\$ 1,808,760	\$ 1,828,703	\$ 1,819,104	\$ 1,718,387	\$ (110,316)	-6.0%
Source Control	\$ 53,315	\$ 49,818	\$ 47,845	\$ 43,516	\$ (6,302)	-12.6%
<b>Total</b>	<b>\$ 1,862,075</b>	<b>\$ 1,878,521</b>	<b>\$ 1,866,949</b>	<b>\$ 1,761,903</b>	<b>\$ (116,618)</b>	<b>-6.2%</b>

### City of Encinitas

Operating Budget Revenue Summary						
	2012 Actual	2013 Original	2013 Projected	2014 Recommended	Change	%
Encina Water Pollution Control Facilities	\$ 513,985	\$ 570,125	\$ 560,124	\$ 535,246	\$ (34,879)	-6.1%
Source Control	\$ 23,695	\$ 17,624	\$ 16,414	\$ 19,730	\$ 2,106	11.9%
<b>Total</b>	<b>\$ 537,680</b>	<b>\$ 587,749</b>	<b>\$ 576,538</b>	<b>\$ 554,976</b>	<b>\$ (32,773)</b>	<b>-5.6%</b>

**Digester #5 and #6**



**Primary Clarifiers**

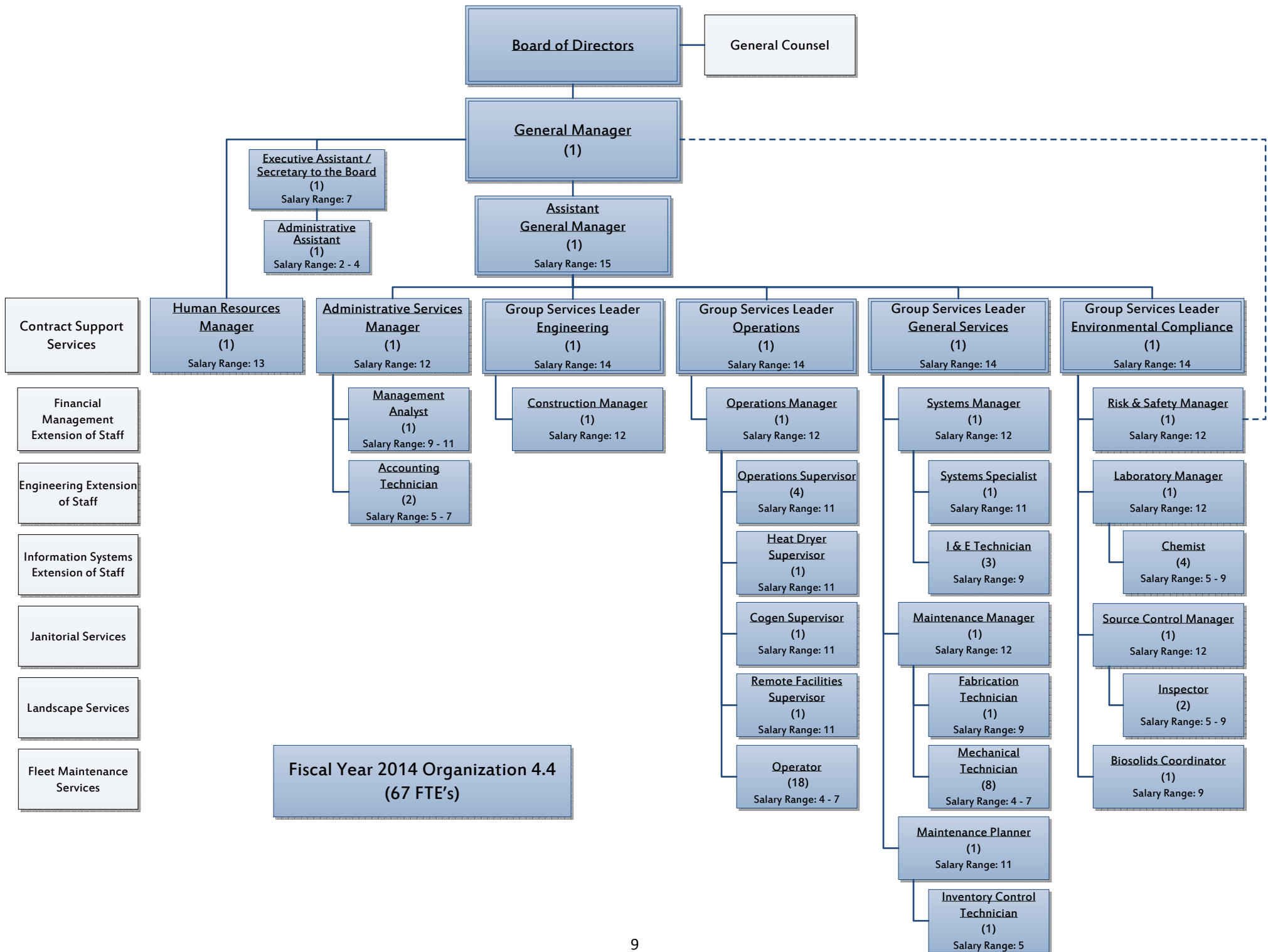


## Personnel Expense Summary by Account

	Budget	% of Total	Budget	% of Total	Budget
SALARIES - REGULAR	\$ 5,616,692		\$ 5,900,090		5.0%
SALARIES - PERFORMANCE PAY	\$ 273,115		\$ 167,216		-38.8%
SALARIES - OVERTIME	\$ 120,960		\$ 120,000		-0.8%
SALARIES - HOLIDAY	\$ 55,500		\$ 57,208		3.1%
SALARIES - INTERN PROGRAM	\$ 21,923		\$ 22,318		1.8%
SALARIES - SHIFT DIFFERENTIAL	\$ 55,860		\$ 55,860		0.0%
SALARIES - INCENTIVE AWARDS	\$ 12,000		\$ 12,000		0.0%
<b>Subtotal Salaries</b>	<b>\$ 6,156,050</b>	<b>67.4%</b>	<b>\$ 6,334,692</b>	<b>68.1%</b>	<b>2.9%</b>
CAL PERS RETIREMENT PROGRAM	\$ 1,707,731		\$ 1,886,820		10.5%
CAL PERS EMPLOYEE CONTRIBUTION	\$ (284,310)		\$ (427,854)		50.5%
OTHER POST EMPLOYMENT BENEFITS	\$ 57,608		\$ 59,380		3.1%
FLEXIBLE BENEFITS 125 PLAN	\$ 935,471		\$ 1,010,547		8.0%
EMPLOYEE BENEFIT CONTRIBUTION	\$ (36,057)		\$ (36,057)		0.0%
DEFERRED COMPENSATION	\$ 183,440		\$ 193,048		5.2%
MEDICARE	\$ 85,962		\$ 90,264		5.0%
UNEMPLOYMENT	\$ 29,545		\$ 16,242		-45.0%
EMPLOYMENT BENEFIT FARE	\$ -		\$ 13,750		100.0%
WORKERS COMPENSATION INSURANCE	\$ 128,152		\$ 123,903		-3.3%
PROFESSIONAL CERTIFICATION	\$ 7,875		\$ 8,121		3.1%
EMPLOYEE ASSISTANCE PROGRAM	\$ 1,914		\$ 1,917		0.2%
GENERAL MANAGER BENEFITS	\$ 8,000		\$ 8,000		0.0%
EDUCATION ASSISTANCE	\$ 16,000		\$ 16,246		1.5%
Subtotal Benefits	\$ 2,841,331	32.6%	\$ 2,964,328	31.9%	4.3%
<b>TOTAL PERSONNEL EXPENSE</b>	<b>\$ 8,997,381</b>	<b>100.0%</b>	<b>\$ 9,299,021</b>	<b>100.0%</b>	<b>3.4%</b>

## Personnel Expense Summary by Program

<b>PROGRAMS</b>	FY 2013	FY 13 Positions	FY 2014	FY 14 Positions	% Change
EWPCF - SALARIES	\$ 2,647,103		\$ 2,645,801		0.0%
EWPCF - BENEFITS	\$ 1,281,970		\$ 1,280,713		-0.1%
<b>SUB-TOTAL: EWPCF</b>	<b>\$ 3,929,073</b>	<b>29.53</b>	<b>\$ 3,926,513</b>	<b>30.28</b>	<b>-0.1%</b>
SOURCE CONTROL - SALARIES	\$ 294,111		\$ 323,546		10.0%
SOURCE CONTROL - BENEFITS	\$ 142,255		\$ 143,303		0.7%
<b>SUB-TOTAL: SOURCE CONTROL</b>	<b>\$ 436,366</b>	<b>3.30</b>	<b>\$ 466,849</b>	<b>3.30</b>	<b>7.0%</b>
AGUA HEDIONDA PUMP STATION - SALARIES	\$ 88,411		\$ 93,058		5.3%
AGUA HEDIONDA PUMP STATION - BENEFITS	\$ 42,763		\$ 44,345		3.7%
BUENA VISTA PUMP STATION - SALARIES	\$ 87,594		\$ 92,178		5.2%
BUENA VISTA PUMP STATION - BENEFITS	\$ 42,368		\$ 43,922		3.7%
BUENA CREEK PUMP STATION - SALARIES	\$ 90,994		\$ 95,676		5.1%
BUENA CREEK PUMP STATION - BENEFITS	\$ 44,012		\$ 45,074		2.4%
CARLSBAD WATER RECLAMATION FACILITIES - SALARIES	\$ 259,911		\$ 267,094		2.8%
CARLSBAD WATER RECLAMATION FACILITIES - BENEFITS	\$ 125,714		\$ 129,906		3.3%
RACEWAY BASIN PUMP STATION - SALARIES	\$ 66,341		\$ 70,847		6.8%
RACEWAY BASIN PUMP STATION - BENEFITS	\$ 32,088		\$ 33,212		3.5%
<b>SUB-TOTAL: REMOTE FACILITIES</b>	<b>\$ 880,196</b>	<b>6.71</b>	<b>\$ 915,313</b>	<b>6.96</b>	<b>4.0%</b>
<b>SUB-TOTAL: PROGRAMS</b>	<b>\$ 5,245,635</b>	<b>39.54</b>	<b>\$ 5,308,676</b>	<b>40.54</b>	<b>1.2%</b>
<b>INTERNAL SERVICE FUNDS</b>					
INTERNAL SERVICE FUNDS - SALARIES	\$ 1,362,655		\$ 1,413,488		3.7%
INTERNAL SERVICE FUNDS - BENEFITS	\$ 659,089		\$ 643,273		-2.4%
<b>SUBTOTAL: INTERNAL FUNDS</b>	<b>\$ 2,021,744</b>	<b>14.46</b>	<b>\$ 2,056,762</b>	<b>14.66</b>	<b>1.7%</b>
<b>SUBTOTAL OPERATING PROGRAM</b>	<b>\$ 7,267,379</b>	<b>54.00</b>	<b>\$ 7,365,438</b>	<b>55.20</b>	<b>1.3%</b>
CAPITAL PROGRAM - SALARIES	\$ 1,254,790		\$ 1,333,976		6.3%
CAPITAL PROGRAM - BENEFITS	\$ 475,212		\$ 599,608		26.2%
<b>SUBTOTAL CAPITAL PROGRAM</b>	<b>\$ 1,730,002</b>	<b>11.00</b>	<b>\$ 1,933,584</b>	<b>11.80</b>	<b>11.8%</b>
<b>TOTAL PERSONNEL EXPENSE</b>	<b>\$ 8,997,381</b>	<b>65.00</b>	<b>\$ 9,299,021</b>	<b>67.00</b>	<b>3.4%</b>





**ENCINA WASTEWATER AUTHORITY SALARY SCHEDULE FOR FISCAL YEAR 2013-14**

<u>Range ID</u>	<u>Period</u>	<u>Minimum</u>	<u>Maximum</u>	<u>Range ID</u>	<u>Period</u>	<u>Minimum</u>	<u>Maximum</u>
1	Hourly	\$ 10.73	\$ 14.49	9	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
2	Hourly	\$ 20.06	\$ 27.09	10	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
3	Hourly	\$ 22.07	\$ 29.79	11	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
4	Hourly	\$ 22.99	\$ 31.03	12	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
5	Hourly	\$ 26.13	\$ 35.28	13	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
6	Hourly	\$ 27.84	\$ 37.59	14	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
7	Hourly	\$ 29.65	\$ 40.03	15	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
8	Hourly	\$ 32.60	\$ 44.01	General Manager	Hourly	\$	97.92
	Bi-Weekly	\$ 2,608.00	\$ 3,520.80		Bi-Weekly	\$	7,833.69
	Monthly	\$ 5,650.67	\$ 7,628.40		Monthly	\$	16,973.00
	Annual	\$ 67,808.00	\$ 91,540.80		Annual	\$	203,676.00

# CALIFORNIA WATER ENVIRONMENTAL ASSOCIATION

## Plant of the Year Award 2012



**Safety Award 2012**

## Encina Water Pollution Control Facilities

**Program Overview.** The Encina Water Pollution Control Facilities (EWPCF), located in Carlsbad, California, provide wastewater treatment services to approximately 348,625 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.

**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.

**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 FY 2013-14, the EWPCF will: (1) clean more than 9.1 billion gallons of water; (2) recycle nearly 2 billion gallons for on-site use; and, (3) stabilize nearly 4.3 million pounds of solids into about 6,300 tons of PureGreen.®





## EWPCF Operating and Maintenance Expense Summary

Personnel Expenses						
		Actual	Budget	Projected	Recommended	%
		FY 2012	FY 2013	FY 2013	FY 2014	Change
5100	Salaries	\$ 2,610,364	\$ 2,464,116	\$ 2,446,878	\$ 2,645,801	7%
5200	Benefits	\$ 1,225,704	\$ 1,191,842	\$ 1,154,457	\$ 1,280,713	7%
<b>Total Personnel Expenses</b>		<b>\$ 3,836,068</b>	<b>\$ 3,655,958</b>	<b>\$ 3,601,335</b>	<b>\$ 3,926,514</b>	<b>7%</b>

Non-Personnel Expenses							
		Actual	Budget	Projected	Recommended	%	
		FY 2012	FY 2013	FY 2013	FY 2014	Change	
21001	7330	Specialty Services	\$ 114,240	\$ 114,240	\$ 114,240	\$ 106,560	-7%
22001	5400	Cept Polymer	\$ 90,078	\$ 96,712	\$ 99,600	\$ 99,000	2%
22001	5401	Ferric Chloride	\$ 306,166	\$ 355,600	\$ 325,000	\$ 319,620	-10%
22001	5402	Odor Control Rock Salt	\$ 4,745	\$ 6,000	\$ 8,000	\$ 8,213	37%
22001	5403	Odor Control Caustic	\$ 14,990	\$ 28,400	\$ 12,000	\$ 15,000	-47%
22001	5405	Atmospheric Control (Nitrogen)	\$ 14,718	\$ 17,000	\$ 16,500	\$ 17,100	1%
22001	5406	Pellet Dust Control	\$ 89,779	\$ 108,000	\$ 114,000	\$ 61,803	-43%
22001	5407	Sodium Hypochlorite	\$ 69,605	\$ 75,500	\$ 67,900	\$ 72,750	-4%
22001	5408	DAF Polymer	\$ 58,440	\$ 70,000	\$ 65,600	\$ 67,275	-4%
22001	5409	Dewatering Polymer	\$ 493,653	\$ 450,000	\$ 627,900	\$ 551,862	23%
22001	5420	Bio solids Disposal	\$ 257,963	\$ 246,115	\$ 228,000	\$ 219,671	-11%
22001	5422	Bio solids Marketing	\$ 6,607	\$ 24,000	\$ 24,000	\$ 24,000	0%
22001	5431	Water	\$ 14,119	\$ 14,800	\$ 17,238	\$ 16,866	14%
22001	6450	Professional Services	\$ -	\$ 13,500	\$ 13,576	\$ 54,000	300%
22001	6720	Equipment Special New	\$ 495	\$ 1,500	\$ 1,500	\$ 1,500	0%
22001	6920	Permits	\$ 186,280	\$ 189,461	\$ 192,623	\$ 189,461	0%
22001	7130	Public Information	\$ -	\$ 15,000	\$ 15,000	\$ 7,000	-53%
22001	7310	Safety & Medical Services	\$ 21,017	\$ 22,650	\$ 18,000	\$ 22,400	-1%
22001	7320	Safety Equipment	\$ 69,170	\$ 90,861	\$ 90,000	\$ 90,500	0%
22001	7330	Specialty Services	\$ 2,536	\$ 1,000	\$ 1,000	\$ 1,000	0%
22001	7611	Hazwoper Training	\$ 4,490	\$ 6,600	\$ 6,600	\$ 6,600	0%
22001	7612	Crane Operator Training	\$ -	\$ 3,000	\$ 1,820	\$ -	-100%
22001	7615	Fire Extinguisher Training	\$ -	\$ 2,000	\$ 2,000	\$ -	-100%
22001	7616	First Aid Training	\$ 1,475	\$ -	\$ -	\$ 3,000	100%
22001	7617	Safety Other	\$ -	\$ 6,325	\$ 5,500	\$ 6,325	0%
22001	7620	Contingency	\$ -	\$ 514,000	\$ 514,000	\$ 264,000	-49%
23001	5410	Chemicals	\$ 4,569	\$ 5,000	\$ 4,850	\$ 5,000	0%
23001	5530	Corrosion Protection	\$ 3,092	\$ 4,000	\$ 3,750	\$ 4,000	0%
23001	5910	Equipment Rental	\$ 7,252	\$ 8,000	\$ 7,850	\$ 8,000	0%
23001	6120	Fuel & Lube	\$ 21,319	\$ 18,769	\$ 22,269	\$ 22,570	20%
23001	6230	Janitorial	\$ 42,124	\$ 49,500	\$ 50,525	\$ 52,000	5%
23001	6410	Laundry & Uniforms	\$ 15,607	\$ 18,250	\$ 16,485	\$ 16,500	-10%
23001	6424	Information Systems	\$ 95,159	\$ 132,377	\$ 131,500	\$ 131,287	-1%

## EWPCF Operating and Maintenance Expense Summary

Non-Personnel Expenses			Actual	Budget	Projected	Recommended	%
			FY 2012	FY 2013	FY 2013	FY 2014	Change
23001	6510	Repair Maintenance Mobile	\$ 9,597	\$ 15,400	\$ 15,285	\$ 15,400	0%
23001	6710	Equipment New	\$ 1,479	\$ 5,000	\$ 4,250	\$ 5,000	0%
23001	6730	Repair Maintenance Non Specific	\$ 44,154	\$ 52,000	\$ 51,750	\$ 52,000	0%
23001	6930	Repair Maintenance Electric Pipe	\$ 48,993	\$ 55,100	\$ 80,000	\$ 74,300	35%
23001	6940	Repair Maintenance Planned	\$ 82,807	\$ 95,000	\$ 92,750	\$ 95,000	0%
23001	7010	Plant Contracts	\$ 73,324	\$ 68,750	\$ 68,000	\$ 68,650	0%
23001	7330	Specialty Services	\$ 58,601	\$ 143,500	\$ 142,750	\$ 122,600	-15%
23001	7510	Tools	\$ 4,400	\$ 6,300	\$ 6,250	\$ 6,300	0%
23001	7610	Professional Development	\$ -	\$ 5,000	\$ -	\$ -	-100%
24001	6730	Repair Maintenance Non Specific	\$ -	\$ 1,500	\$ 1,475	\$ 1,500	0%
24001	6940	Repair Maintenance Planned	\$ -	\$ 2,000	\$ 1,985	\$ 2,000	0%
50001		Board of Directors Fees	\$ -	\$ 54,584	\$ 54,584	\$ 54,584	0%
<b>Total Non-Personnel Expenses</b>			<b>\$ 2,333,045</b>	<b>\$ 3,212,294</b>	<b>\$ 3,337,905</b>	<b>\$ 2,962,197</b>	<b>-8%</b>

Internal Service Fund Expenses			Actual	Budget	Projected	Recommended	%
			FY 2012	FY 2013	FY 2013	FY 2014	Change
11001		Administration	\$ 1,595,930	\$ 1,534,207	\$ 1,528,131	\$ 1,600,588	4%
12001		Laboratory	\$ 858,153	\$ 855,852	\$ 845,852	\$ 910,803	6%
13001		Energy Management	\$ 1,700,280	\$ 1,807,794	\$ 1,804,849	\$ 1,808,760	0%
<b>Total Internal Service Fund Expenses</b>			<b>\$ 4,154,363</b>	<b>\$ 4,197,854</b>	<b>\$ 4,178,832</b>	<b>\$ 4,320,149</b>	<b>3%</b>
<b>Total Operating Expenses</b>			<b>\$ 10,323,476</b>	<b>\$ 11,066,106</b>	<b>\$ 11,118,072</b>	<b>\$ 11,208,861</b>	<b>1%</b>

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## Environmental Compliance – Regional Source Control

**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 2014 will be directed to issuing necessary and appropriate Industrial Discharge permits to the San Diego County Water Authority / Poseidon Resources Desalination Facility in Carlsbad.

**Cost Allocation.** Personnel Expenses make up 65% 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 2013-14 staff expects that fifty-nine (59) industries will be fully permitted while another 548 businesses will participate in EWA's Best Management Practices Program.





## Environmental Compliance - Source Control Operating Expense Summary

### Personnel Expenses

	Actual FY 2012	Budget FY 2013	Projected FY 2013	Recommended FY 2014	% Change
5100 Salaries	\$ 306,135	\$ 294,111	\$ 266,864	\$ 323,546	10%
5200 Benefits	\$ 136,345	\$ 142,255	\$ 116,483	\$ 143,303	1%
<b>Total Personnel Expenses</b>	<b>\$ 442,480</b>	<b>\$ 436,366</b>	<b>\$ 383,347</b>	<b>\$ 466,849</b>	<b>7%</b>

### Non-Personnel Expenses

	Actual FY 2012	Budget FY 2013	Projected FY 2013	Recommended FY 2014	% Change
40001 5520 Books	\$ -	\$ 500	\$ 500	\$ 500	0%
40001 5930 Equipment Replacement	\$ 643	\$ 5,100	\$ 3,945	\$ 12,100	137%
40001 6120 Fuel & Lube	\$ 2,148	\$ 2,109	\$ 1,825	\$ 2,235	6%
40001 6310 Lab Equipment Repair	\$ 3,155	\$ 7,650	\$ 7,650	\$ 5,650	-26%
40001 6410 Laundry & Uniforms	\$ 1,019	\$ 1,400	\$ 1,400	\$ 1,400	0%
40001 6420 Legal Services	\$ 2,999	\$ 5,000	\$ -	\$ -	-100%
40001 6422 Legal Notices	\$ 1,351	\$ 750	\$ 750	\$ 2,250	200%
40001 6450 Professional Services	\$ -	\$ -	\$ -	\$ 12,500	100%
40001 7120 Printing & Reproduction	\$ -	\$ 500	\$ 500	\$ 500	0%
40001 7130 Public Information	\$ 3,911	\$ 4,000	\$ 4,000	\$ 4,000	0%
<b>Total Non-Personnel Expenses</b>	<b>\$ 15,226</b>	<b>\$ 27,009</b>	<b>\$ 20,570</b>	<b>\$ 41,135</b>	<b>52%</b>

### Internal Service Fund Expenses

	Actual FY 2012	Budget FY 2013	Projected FY 2013	Recommended FY 2014	% Change
11001 Administration	\$ 63,072	\$ 74,109	\$ 75,546	\$ 79,432	7%
12001 Laboratory	\$ 89,760	\$ 45,938	\$ 45,322	\$ 95,267	107%
13001 Energy Management	\$ -	\$ 1,810	\$ 1,500	\$ 1,811	0%
<b>Total Internal Service Fund Expenses</b>	<b>\$ 152,832</b>	<b>\$ 121,857</b>	<b>\$ 122,368</b>	<b>\$ 176,510</b>	<b>45%</b>
<b>Total Operating Expenses</b>	<b>\$ 610,538</b>	<b>\$ 585,232</b>	<b>\$ 526,285</b>	<b>\$ 684,494</b>	<b>17%</b>

## REMOTE FACILITIES

### Agua Hedionda Pump Station

**Overview.** The Agua Hedionda Pump Station 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 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.



## 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. At this time, the owner is considering discontinuing operations of the RBPS, therefore, the FY 2013-14 budget will appropriate recommended funding on a contingent basis pending the City of Vista's final determination.





## Agua Hedionda Pump Station Operating Expense Summary

### Personnel Expenses

	Actual FY 2012	Budget FY 2013	Projected FY 2013	Recommended FY 2014	% Change
5100 Salaries	\$ 84,129	\$ 88,411	\$ 89,544	\$ 93,058	5%
5200 Benefits	\$ 38,955	\$ 42,763	\$ 40,548	\$ 44,345	4%
<b>Total Personnel Expenses</b>	<b>\$ 123,084</b>	<b>\$ 131,174</b>	<b>\$ 130,092</b>	<b>\$ 137,403</b>	<b>5%</b>

### Non- Personnel Expenses

	Actual FY 2012	Budget FY 2013	Projected FY 2013	Recommended FY 2014	% Change
31001 5431 Water	\$ 6,596	\$ 8,000	\$ 5,600	\$ 7,956	-1%
31001 5435 Electricity	\$ 65,410	\$ 73,720	\$ 67,600	\$ 70,907	-4%
31001 5910 Equipment Rental	\$ -	\$ 200	\$ 200	\$ 200	0%
31001 6120 Fuel & Lube	\$ 3,697	\$ 2,560	\$ 2,725	\$ 2,815	10%
31001 6410 Laundry & Uniforms	\$ 265	\$ 250	\$ 250	\$ 250	0%
31001 6730 Repair Maintenance Non Specific	\$ 1,820	\$ 2,000	\$ 2,265	\$ 2,500	25%
31001 6920 Permits	\$ 3,373	\$ 2,596	\$ 2,577	\$ 2,596	0%
31001 6930 Repair Maintenance Electric Pipe	\$ 2,632	\$ 2,500	\$ 3,000	\$ 3,500	40%
31001 6940 Repair Maintenance Planned	\$ 2,316	\$ 7,000	\$ 8,250	\$ 8,500	21%
31001 7010 Plant Contracts	\$ 2,245	\$ 2,700	\$ 2,700	\$ 2,700	0%
31001 7320 Safety Equipment	\$ 1,421	\$ 700	\$ 700	\$ 700	0%
31001 7330 Specialty Services	\$ 6,980	\$ 9,150	\$ 8,850	\$ 8,650	-5%
<b>Total Non-Personnel Expenses</b>	<b>\$ 96,755</b>	<b>\$ 111,376</b>	<b>\$ 104,717</b>	<b>\$ 111,274</b>	<b>0%</b>

### Internal Service Fund Expenses

	Actual FY 2012	Budget FY 2013	Projected FY 2013	Recommended FY 2014	% Change
11001 Administration	\$ 28,669	\$ 35,067	\$ 35,241	\$ 37,585	7%
<b>Total Internal Service Fund Expenses</b>	<b>\$ 28,669</b>	<b>\$ 35,067</b>	<b>\$ 35,241</b>	<b>\$ 37,585</b>	<b>7%</b>
<b>Total Operating Expenses</b>	<b>\$ 248,508</b>	<b>\$ 277,617</b>	<b>\$ 270,050</b>	<b>\$ 286,262</b>	<b>3%</b>

## Buena Vista Pump Station Operating Expense Summary

### Personnel Expenses

	Actual FY 2012	Budget FY 2013	Projected FY 2013	Recommended FY 2014	% Change
5100 Salaries	\$ 74,792	\$ 87,594	\$ 87,245	\$ 92,178	5%
5200 Benefits	\$ 34,016	\$ 42,368	\$ 38,654	\$ 43,922	4%
<b>Total Personnel Expenses</b>	<b>\$ 108,808</b>	<b>\$ 129,962</b>	<b>\$ 125,899</b>	<b>\$ 136,100</b>	<b>5%</b>

### Non- Personnel Expenses

	Actual FY 2012	Budget FY 2013	Projected FY 2013	Recommended FY 2014	% Change
32001 5431 Water	\$ 9,728	\$ 10,030	\$ 9,900	\$ 7,974	-20%
32001 5435 Electricity	\$ 155,434	\$ 175,000	\$ 165,500	\$ 174,340	0%
32001 5910 Equipment Rental	\$ -	\$ 300	\$ 300	\$ 300	0%
32001 6120 Fuel & Lube	\$ 5,327	\$ 3,887	\$ 4,225	\$ 4,497	16%
32001 6410 Laundry & Uniforms	\$ 265	\$ 250	\$ 250	\$ 250	0%
32001 6730 Repair Maintenance Non Specific	\$ 1,879	\$ 2,000	\$ 2,750	\$ 3,000	50%
32001 6920 Permits	\$ 1,727	\$ 2,556	\$ 2,530	\$ 2,556	0%
32001 6930 Repair Maintenance Electric Pipe	\$ 2,428	\$ 3,000	\$ 3,900	\$ 4,000	33%
32001 6940 Repair Maintenance Planned	\$ 2,925	\$ 4,000	\$ 5,575	\$ 7,000	75%
32001 7010 Plant Contracts	\$ 2,700	\$ 2,700	\$ 2,700	\$ 2,700	0%
32001 7320 Safety Equipment	\$ 3,006	\$ 1,015	\$ 1,100	\$ 1,015	0%
32001 7330 Specialty Services	\$ 4,263	\$ 17,100	\$ 14,500	\$ 14,200	-17%
<b>Total Non-Personnel Expenses</b>	<b>\$ 189,682</b>	<b>\$ 221,838</b>	<b>\$ 213,230</b>	<b>\$ 221,832</b>	<b>0%</b>

### Internal Service Fund Expenses

	Actual FY 2012	Budget FY 2013	Projected FY 2013	Recommended FY 2014	% Change
11001 Administration	\$ 28,669	\$ 50,973	\$ 50,148	\$ 54,634	7%
<b>Total Internal Service Fund Expense</b>	<b>\$ 28,669</b>	<b>\$ 50,973</b>	<b>\$ 50,148</b>	<b>\$ 54,634</b>	<b>7%</b>
<b>Total Operating Expenses</b>	<b>\$ 327,159</b>	<b>\$ 402,773</b>	<b>\$ 389,277</b>	<b>\$ 412,566</b>	<b>2%</b>

## Buena Sanitation District Facilities Operating Expense Summary

### Personnel Expenses

	Actual FY 2012	Budget FY 2013	Projected FY 2013	Recommended FY 2014	% Change
5100 Salaries	\$ 37,589	\$ 90,994	\$ 94,594	\$ 95,676	5%
5200 Benefits	\$ 15,160	\$ 44,012	\$ 39,928	\$ 45,074	2%
<b>Total Personnel Expenses</b>	<b>\$ 52,749</b>	<b>\$ 135,006</b>	<b>\$ 134,522</b>	<b>\$ 140,750</b>	<b>4%</b>

### Non- Personnel Expenses

	Actual FY 2012	Budget FY 2013	Projected FY 2013	Recommended FY 2014	% Change
37001 5431 Water	\$ 1,408	\$ 1,484	\$ 2,376	\$ 2,832	91%
37001 5435 Electricity	\$ 79,098	\$ 83,000	\$ 93,000	\$ 97,781	18%
37001 6120 Fuel & Lube	\$ 3,470	\$ 3,313	\$ 3,650	\$ 3,797	15%
37001 6410 Laundry & Uniforms	\$ 255	\$ 250	\$ 250	\$ 250	0%
37001 6710 Equipment New	\$ -	\$ 250	\$ 250	\$ 500	100%
37001 6730 Repair Maintenance Non Specific	\$ 23	\$ 2,000	\$ 1,975	\$ 2,000	0%
37001 6920 Permits	\$ 1,775	\$ 1,925	\$ 2,853	\$ 3,016	57%
37001 6930 Repair Maintenance Electric Pipe	\$ 2,773	\$ 1,000	\$ 4,700	\$ 5,000	400%
37001 6940 Repair Maintenance Planned	\$ 692	\$ 4,000	\$ 3,985	\$ 4,000	0%
37001 7320 Safety Equipment	\$ 2,654	\$ 700	\$ 700	\$ 700	0%
37001 7330 Specialty Services	\$ 5,549	\$ 18,750	\$ 17,500	\$ 16,150	-14%
<b>Total Non-Personnel Expenses</b>	<b>\$ 97,698</b>	<b>\$ 116,672</b>	<b>\$ 131,239</b>	<b>\$ 136,026</b>	<b>17%</b>

### Internal Service Fund Expenses

	Actual FY 2012	Budget FY 2013	Projected FY 2013	Recommended FY 2014	% Change
11001 Administration	\$ 45,871	\$ 36,513	\$ 36,241	\$ 39,135	7%
12001 Laboratory	\$ -	\$ 509	\$ 532	\$ 304	-40%
<b>Total Internal Service Fund Expenses</b>	<b>\$ 45,871</b>	<b>\$ 37,022</b>	<b>\$ 36,773</b>	<b>\$ 39,439</b>	<b>7%</b>
<b>Total Operating Expenses</b>	<b>\$ 196,318</b>	<b>\$ 288,700</b>	<b>\$ 302,534</b>	<b>\$ 316,215</b>	<b>10%</b>

## Carlsbad Water Recycling Facility Operating Expense Summary

### Personnel Expenses

	Actual FY 2012	Budget FY 2013	Projected FY 2013	Recommended FY 2014	% Change
5100 Salaries	\$ 278,383	\$ 259,911	\$ 255,569	\$ 267,094	3%
5200 Benefits	\$ 127,997	\$ 125,714	\$ 116,548	\$ 129,906	3%
<b>Total Personnel Expenses</b>	<b>\$ 406,380</b>	<b>\$ 385,625</b>	<b>\$ 372,117</b>	<b>\$ 397,000</b>	<b>3%</b>

### Non- Personnel Expenses

	Actual FY 2012	Budget FY 2013	Projected FY 2013	Recommended FY 2014	% Change
38001 5394 Caustin Membrane Filtration	\$ -	\$ 5,000	\$ 2,500	\$ 5,000	0%
38001 5395 Citric Acid	\$ -	\$ 1,700	\$ 860	\$ 1,700	0%
38001 5407 Sodium Hypochlorite	\$ 61,536	\$ 60,000	\$ 67,200	\$ 63,000	5%
38001 5409 Dewatering Polymer	\$ -	\$ -	\$ -	\$ 12,000	100%
38001 5435 Electricity	\$ 76,052	\$ 80,100	\$ 88,700	\$ 83,000	4%
38001 5530 Corrosion Protection	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	0%
38001 5910 Equipment Rental	\$ 1,407	\$ 1,500	\$ 1,375	\$ 1,500	0%
38001 6120 Fuel & Lube	\$ 1,928	\$ 1,918	\$ 1,900	\$ 1,934	1%
38001 6230 Janitorial	\$ 1,800	\$ 2,100	\$ 2,075	\$ 2,100	0%
38001 6424 Information Systems	\$ -	\$ 4,000	\$ 3,750	\$ 4,000	0%
38001 6410 Laundry & Uniforms	\$ 795	\$ 1,100	\$ 1,100	\$ 1,100	0%
38001 6730 Repair Maintenance Non Specific	\$ 2,140	\$ 8,000	\$ 7,950	\$ 8,000	0%
38001 6920 Permits	\$ 12,404	\$ 12,404	\$ 12,904	\$ 12,404	0%
38001 6930 Repair Maintenance Electric Pipe	\$ 3,505	\$ 4,000	\$ 3,925	\$ 4,000	0%
38001 6940 Repair Maintenance Planned	\$ 5,804	\$ 23,800	\$ 23,000	\$ 23,800	0%
38001 7010 Plant Contracts	\$ 5,011	\$ 7,050	\$ 7,050	\$ 7,050	0%
38001 7320 Safety Equipment	\$ 1,827	\$ 1,200	\$ 1,175	\$ 1,200	0%
38001 7330 Specialty Services	\$ 13,906	\$ 16,200	\$ 14,700	\$ 13,800	-15%
38001 7510 Tools	\$ 485	\$ 500	\$ 500	\$ 500	0%
<b>Total Non-Personnel Expenses</b>	<b>\$ 189,602</b>	<b>\$ 231,572</b>	<b>\$ 241,664</b>	<b>\$ 247,088</b>	<b>7%</b>

### Internal Service Fund Expenses

	Actual FY 2012	Budget FY 2013	Projected FY 2013	Recommended FY 2014	% Change
11001 Administration	\$ 108,944	\$ 100,138	\$ 101,254	\$ 102,944	3%
12001 Laboratory	\$ 67,183	\$ 74,528	\$ 72,128	\$ 71,304	-4%
<b>Total Internal Service Fund Expenses</b>	<b>\$ 176,127</b>	<b>\$ 174,666</b>	<b>\$ 173,382</b>	<b>\$ 174,248</b>	<b>0%</b>

<b>Total Operating Expenses</b>	<b>\$ 772,109</b>	<b>\$ 791,863</b>	<b>\$ 787,163</b>	<b>\$ 818,336</b>	<b>3%</b>
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## Raceway Basin Pump Station Operating Expense Summary

### Personnel Expenses

	Actual FY 2012	Budget FY 2013	Projected FY 2013	Recommended FY 2014	% Change
5100 Salaries	\$ 66,549	\$ 66,341	\$ 66,410	\$ 70,847	7%
5200 Benefits	\$ 23,933	\$ 32,088	\$ 27,043	\$ 33,212	4%
<b>Total Personnel Expenses</b>	<b>\$ 90,482</b>	<b>\$ 98,429</b>	<b>\$ 93,453</b>	<b>\$ 104,059</b>	<b>6%</b>

### Non- Personnel Expenses

	Actual FY 2012	Budget FY 2013	Projected FY 2013	Recommended FY 2014	% Change
39001 5431 Water	\$ 504	\$ 500	\$ 522	\$ 578	16%
39001 5435 Electricity	\$ 17,856	\$ 20,000	\$ 16,400	\$ 17,200	-14%
39001 5445 Phone	\$ 500	\$ 600	\$ 600	\$ 600	0%
39001 5910 Equipment Rental	\$ -	\$ 300	\$ 300	\$ 300	0%
39001 6120 Fuel & Lube	\$ 2,347	\$ 3,300	\$ 3,875	\$ 4,361	32%
39001 6410 Laundry & Uniforms	\$ 265	\$ 250	\$ 250	\$ 250	0%
39001 6710 Equipment New	\$ -	\$ 250	\$ 250	\$ 250	0%
39001 6730 Repair Maintenance Non Specific	\$ 789	\$ 2,000	\$ 2,000	\$ 2,000	0%
39001 6920 Permits	\$ 1,653	\$ 1,915	\$ 2,097	\$ 1,915	0%
39001 6930 Repair Maintenance Electric Pipe	\$ 1,444	\$ 1,500	\$ 1,850	\$ 2,000	33%
39001 6940 Repair Maintenance Planned	\$ 281	\$ 3,000	\$ 2,969	\$ 3,000	0%
39001 7010 Plant Contracts	\$ 1,361	\$ 2,250	\$ 2,175	\$ 2,250	0%
39001 7320 Safety Equipment	\$ 7,259	\$ 650	\$ 635	\$ 650	0%
39001 7330 Specialty Services	\$ 3,199	\$ 13,250	\$ 13,200	\$ 7,250	-45%
<b>Total Non-Personnel Expenses</b>	<b>\$ 37,459</b>	<b>\$ 49,765</b>	<b>\$ 47,123</b>	<b>\$ 42,604</b>	<b>-14%</b>

### Non- Personnel Expenses

	Actual FY 2012	Budget FY 2013	Projected FY 2013	Recommended FY 2014	% Change
11001 Administration	\$ 19,113	\$ 21,510	\$ 22,143	\$ 23,055	7%
<b>Total Internal Service Fund Expense:</b>	<b>\$ 19,113</b>	<b>\$ 21,510</b>	<b>\$ 22,143</b>	<b>\$ 23,055</b>	<b>7%</b>
<b>Total Operating Expenses</b>	<b>\$ 147,054</b>	<b>\$ 169,704</b>	<b>\$ 162,719</b>	<b>\$ 169,718</b>	<b>0%</b>

## Internal Service Funds

**Overview.** Internal Service Funds (ISFs) make two types of charges to Operating and Capital Programs: (a) Categorical Charges – these are costs incurred by the ISF that are directly attributable to a particular operating or capital program the ISF supports; and, (b) Overhead Charges – these 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 NPDES Permit compliant effluent water, 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 ISF), 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.



## Internal Service Funds

**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 \$165,000 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.



## Internal Service Funds Operating Expense Summary

### Personnel Expenses

	Actual FY 2012	Budget FY 2013	Projected FY 2013	Recommended FY 2014	% Change
5100 Salaries	\$ 1,606,344	\$ 1,362,655	\$ 1,426,214	\$ 1,413,488	4%
5200 Benefits	\$ 640,617	\$ 659,089	\$ 592,698	\$ 643,273	-2%
<b>Total Personnel Expenses</b>	<b>\$ 2,246,961</b>	<b>\$ 2,021,744</b>	<b>\$ 2,018,912</b>	<b>\$ 2,056,761</b>	<b>2%</b>

### Non-Personnel Expenses

	Actual FY 2012	Budget FY 2013	Projected FY 2013	Recommended FY 2014	% Change
11001 5445 Telephone	\$ 55,121	\$ 55,548	\$ 67,526	\$ 69,612	25%
11001 5510 Advertising	\$ 6,731	\$ 4,142	\$ 2,100	\$ 2,122	-49%
11001 5810 Employee Recognition	\$ 11,811	\$ 8,510	\$ 8,751	\$ 8,510	0%
11001 5920 Equipment Repair Maintenance	\$ 23,988	\$ 22,979	\$ 23,121	\$ 23,350	2%
11001 6210 Independent Auditor/Actuaty	\$ 26,000	\$ 30,500	\$ 26,000	\$ 30,500	0%
11001 6220 Insurance	\$ 171,837	\$ 234,488	\$ 223,711	\$ 234,488	0%
11001 6420 Legal Services	\$ 93,814	\$ 83,500	\$ 83,500	\$ 83,500	0%
11001 6430 Memberships	\$ 45,555	\$ 45,561	\$ 49,460	\$ 54,460	20%
11001 6440 Mileage Reimbursement	\$ 2,001	\$ 1,430	\$ 1,550	\$ 1,620	13%
11001 6450 Professional Services	\$ 81,132	\$ 124,000	\$ 154,246	\$ 134,000	8%
11001 6830 Materials & Supplies	\$ 23,965	\$ 23,540	\$ 26,789	\$ 25,760	9%
11001 7110 Postage	\$ 4,601	\$ 6,690	\$ 5,421	\$ 6,210	-7%
11001 7120 Printing & Reproduction	\$ 5,174	\$ 3,400	\$ 2,584	\$ 3,400	0%
11001 7410 Subscriptions	\$ 1,426	\$ 1,239	\$ 1,124	\$ 1,239	0%
11001 7610 Professional Development	\$ 87,058	\$ 96,300	\$ 95,462	\$ 106,000	10%
12001 5520 Books	\$ 336	\$ 500	\$ 336	\$ 500	0%
12001 6120 Fuel & Lube	\$ 502	\$ 1,176	\$ 900	\$ 782	-33%
12001 6310 Lab Equipment Repair	\$ 36,768	\$ 46,000	\$ 43,587	\$ 46,366	1%
12001 6320 Lab Minor Equipment Replace	\$ 691	\$ 6,525	\$ 4,620	\$ 13,175	102%
12001 6330 Lab Supplies	\$ 55,592	\$ 64,000	\$ 64,000	\$ 66,000	3%
12001 6410 Laundry & Uniforms	\$ 3,180	\$ 3,300	\$ 3,300	\$ 3,300	0%
12001 6450 Professional Services	\$ 5,591	\$ 6,000	\$ 5,684	\$ 6,000	0%
12001 6810 Ocean Monitoring	\$ 24,828	\$ 24,828	\$ 24,828	\$ 180,000	625%
12001 6910 Outside Analysis	\$ 5,143	\$ 7,500	\$ 3,500	\$ 5,000	-33%
12001 6911 Effluent Testing	\$ 20,086	\$ 20,000	\$ 17,840	\$ 25,000	25%
12001 6912 Biosolids Testing	\$ 10,101	\$ 12,750	\$ 10,750	\$ 11,750	-8%
12001 6913 Industrial User Testing	\$ 22,739	\$ 24,550	\$ 24,550	\$ 30,000	22%
12001 6920 Permits	\$ 5,020	\$ 8,000	\$ 6,846	\$ 8,000	0%
12001 7120 Printing & Reproduction	\$ -	\$ 500	\$ 500	\$ 500	0%



## Internal Service Funds Operating Expense Summary

### Non-Personnel Expenses

		Actual	Budget	Projected	Recommended	%
		FY 2012	FY 2013	FY 2013	FY 2014	Change
12001	7330 Specialty Services	\$ -	\$ 10,750	\$ 7,450	\$ 10,000	-7%
13001	5410 Chemicals	\$ 8,138	\$ 7,500	\$ 7,500	\$ 7,500	0%
13001	5435 Electricity	\$ 649,383	\$ 680,000	\$ 710,000	\$ 750,000	10%
13001	5440 Natural Gas	\$ 629,349	\$ 710,000	\$ 600,000	\$ 614,800	-13%
13001	5520 Books	\$ 121	\$ 125	\$ 108	\$ 125	0%
13001	6120 Fuel & Lube	\$ 32,250	\$ 36,000	\$ 26,000	\$ 26,000	-28%
13001	6230 Janitorial	\$ 575	\$ 1,000	\$ 1,000	\$ 1,000	0%
13001	6410 Laundry & Uniforms	\$ 1,712	\$ 1,300	\$ 1,712	\$ 1,300	0%
13001	6730 Repair Maintenance Non Specific	\$ 5,995	\$ 15,150	\$ 15,150	\$ 16,000	6%
13001	6920 Permits	\$ 19,606	\$ 39,600	\$ 39,600	\$ 39,600	0%
13001	6940 Repair Maintenance Planned	\$ 61,911	\$ 65,100	\$ 75,000	\$ 75,100	15%
13001	7330 Specialty Services	\$ 37,322	\$ 37,250	\$ 37,250	\$ 40,500	9%
13001	7510 Tools	\$ 743	\$ 1,000	\$ 1,000	\$ 1,000	0%
13001	7610 Professional Development	\$ 70	\$ 1,100	\$ 1,100	\$ 5,000	355%
<b>Total Non-Personnel Expenses</b>		<b>\$ 2,277,965</b>	<b>\$ 2,573,331</b>	<b>\$ 2,505,456</b>	<b>\$ 2,769,069</b>	<b>8%</b>
<b>Total Internal Service Fund Expense</b>		<b>\$ 4,524,926</b>	<b>\$ 4,595,075</b>	<b>\$ 4,524,368</b>	<b>\$ 4,825,830</b>	<b>5%</b>

# Capital Program

## 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.



## 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 2018, 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 2033, 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 (ENRCA). 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

	2012 Actuals	2013 Original Appropriations	2014 Recommended Budget
Capital Improvements	\$ 6,777,471	\$ 6,536,000	\$ 7,074,000
Planned Asset Replacement	\$ 1,153,111	\$ 906,500	\$ 781,150
Capital Acquisitions	\$ 635,173	\$ 822,450	\$ 695,215
Subtotals	\$ 8,565,755	\$ 8,264,950	\$ 8,550,365
Salaries & Benefits	\$ 1,580,150	\$ 1,731,097	\$ 1,933,584
<b>Total Capital Improvement Program</b>	<b>\$ 10,145,905</b>	<b>\$ 9,996,047</b>	<b>\$ 10,483,949</b>

### Estimated Revenues

	2012 Actuals	2013 Budget	2014 Recommended Budget
City of Vista	\$ 1,917,077	\$ 2,217,743	\$ 2,704,612
City of Carlsbad	\$ 2,134,294	\$ 2,593,797	\$ 2,555,211
Buena Sanitation District	\$ 717,843	\$ 850,289	\$ 892,513
Vallecitos Water District	\$ 1,691,807	\$ 1,930,929	\$ 2,182,953
Leucadia Wastewater District	\$ 1,700,167	\$ 1,941,552	\$ 1,714,622
City of Encinitas	\$ 404,566	\$ 461,737	\$ 434,037
<b>Totals</b>	<b>\$ 8,565,755</b>	<b>\$ 9,996,047</b>	<b>\$ 10,483,949</b>



**FY 2014 EWA Capital Improvement Program  
FY 2014 Multi-Year Projects**

	2013 Total	2014 Total	Change %
Encina Water Pollution Control Facility Projects			
Liquid Process Improvements	\$ 2,796,000	\$ 2,417,000	-14%
Professional Services	\$ 873,000	\$ 315,000	-64%
Outfall	\$ 146,000	-	-100%
Solids Process Improvements	\$ 985,000	\$ 1,317,000	34%
Energy Management	\$ 246,000	\$ 2,645,000	975%
General Improvements	\$ 1,194,000	\$ 380,000	-68%
<b>Total EWPCF Capital Projects</b>	<b>\$ 6,240,000</b>	<b>\$ 7,074,000</b>	<b>13%</b>
Remote Facilities	\$ 296,000	-	-100%
Planned Asset Replacements	\$ 906,500	\$ 781,150	-14%
Capital Acquisitions	\$ 822,450	\$ 695,215	-15%
Personnel	\$ 1,731,097	\$ 1,933,584	12%
	<b>\$ 9,996,047</b>	<b>\$ 10,483,949</b>	<b>5%</b>

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

Fiscal Year	Capital Improvement Projects	Planned Asset Replacement	Capital Acquisitions	Personnel Expenses	Total
2014	\$ 7,074,000	\$ 781,150	\$ 695,215	\$ 1,933,584	\$ 10,483,949
2015	\$ 10,471,000	\$ 797,000	\$ 709,000	\$ 1,972,000	\$ 13,949,000
2016	\$ 10,499,000	\$ 813,000	\$ 723,000	\$ 2,011,000	\$ 14,046,000
2017	\$ 10,576,000	\$ 829,000	\$ 737,000	\$ 2,051,000	\$ 14,193,000
2018	\$ 10,536,000	\$ 846,000	\$ 752,000	\$ 2,092,000	\$ 14,226,000
<b>5 Year Total</b>	<b>\$ 49,156,000</b>	<b>\$ 4,066,150</b>	<b>\$ 3,616,215</b>	<b>\$ 10,059,584</b>	<b>\$ 66,897,949</b>
2019	\$ 9,831,200	\$ 863,000	\$ 767,000	\$ 2,134,000	\$ 13,595,200
2020	\$ 10,028,000	\$ 880,000	\$ 782,000	\$ 2,177,000	\$ 13,867,000
2021	\$ 10,229,000	\$ 898,000	\$ 798,000	\$ 2,221,000	\$ 14,146,000
2022	\$ 10,434,000	\$ 916,000	\$ 814,000	\$ 2,265,000	\$ 14,429,000
2023	\$ 10,643,000	\$ 934,000	\$ 830,000	\$ 2,310,000	\$ 14,717,000
2024	\$ 10,856,000	\$ 953,000	\$ 847,000	\$ 2,356,000	\$ 15,012,000
2025	\$ 11,073,000	\$ 972,000	\$ 864,000	\$ 2,403,000	\$ 15,312,000
2026	\$ 11,294,000	\$ 991,000	\$ 881,000	\$ 2,451,000	\$ 15,617,000
2027	\$ 11,520,000	\$ 1,011,000	\$ 899,000	\$ 2,500,000	\$ 15,930,000
2028	\$ 11,750,000	\$ 1,031,000	\$ 917,000	\$ 2,550,000	\$ 16,248,000
2029	\$ 11,985,000	\$ 1,052,000	\$ 935,000	\$ 2,601,000	\$ 16,573,000
2030	\$ 12,225,000	\$ 1,073,000	\$ 954,000	\$ 2,653,000	\$ 16,905,000
2031	\$ 12,470,000	\$ 1,094,000	\$ 973,000	\$ 2,706,000	\$ 17,243,000
2032	\$ 12,719,000	\$ 1,116,000	\$ 992,000	\$ 2,760,000	\$ 17,587,000
2033	\$ 12,973,000	\$ 1,138,000	\$ 1,012,000	\$ 2,815,000	\$ 17,938,000
<b>Long Term Total</b>	<b>\$ 170,030,200</b>	<b>\$ 14,922,000</b>	<b>\$ 13,265,000</b>	<b>\$ 36,902,000</b>	<b>\$ 235,119,200</b>
<b>Total 20 Year CIP</b>	<b>\$ 219,186,200</b>	<b>\$ 18,988,150</b>	<b>\$ 16,881,215</b>	<b>\$ 46,961,584</b>	<b>\$ 302,017,149</b>



## Encina Wastewater Authority

6200 Avenida Encinas

Tel. 760.438.3941 Fax. 760.438.3861

[www.encinajpa.com](http://www.encinajpa.com)

