Los Osos Wastewater Project

Project Construction Update
January – March, 2016

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Los Osos Wastewater Project Manager

Update Summary: Project construction updates are being prepared quarterly as construction is nearly complete. During the first quarter of 2016, the major construction work at the water recycling facility was completed. The project is now in the start-up phase and properties are connecting their laterals to the collection system. The start-up phase is planned to continue until September 2016.

Notable News/Milestones: The contractor completed the construction and testing phase for the water recycling facility within the time allowed in the contract. The start-up phase began on March 28, 2016 with the first property connections to the collection system. A dedication and ribbon cutting ceremony was held at the water recycling facility on April 22, 2016

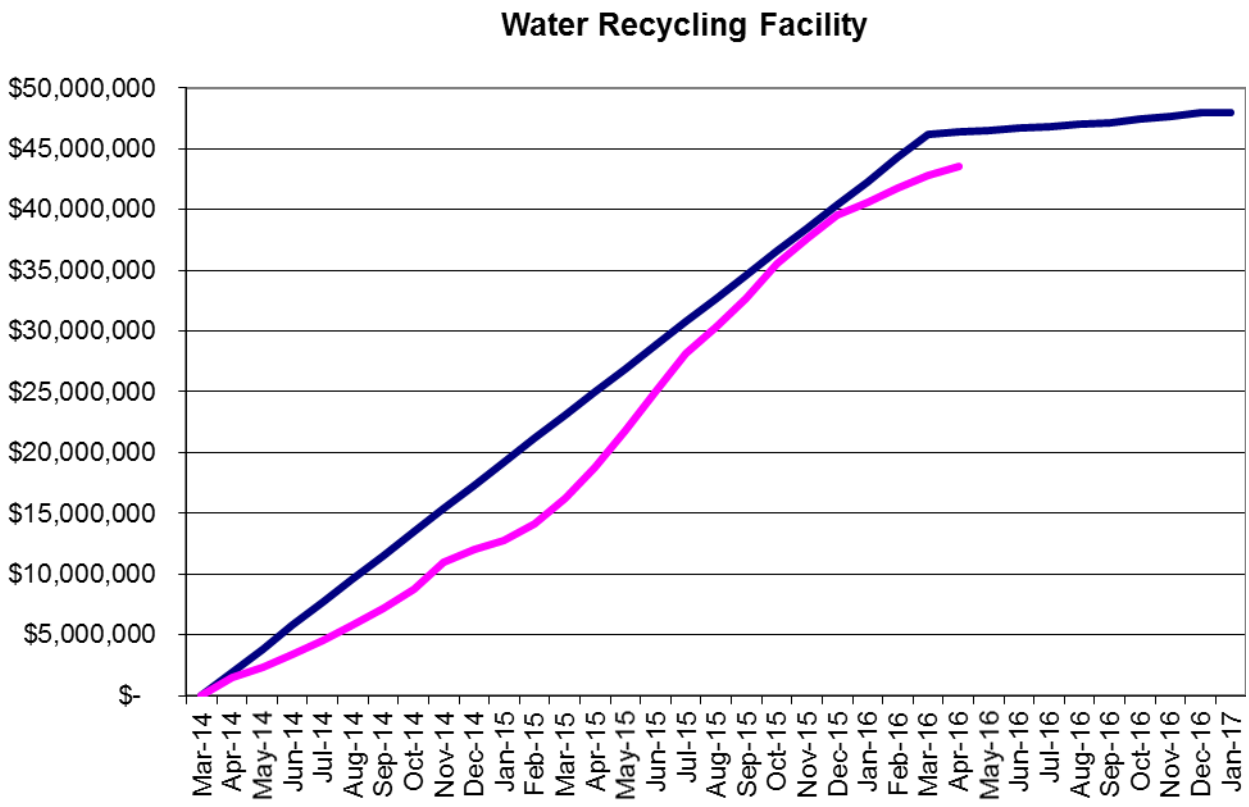
Water Recycling Facility: construction progress photo

Completed Water Recycling Facility from neighboring property

Water Recycling Facility Contract
Contract No. 300448.08.02

Contract Summary			
Contractor	Auburn Constructors	Notice to Proceed Date	3/17/2014
Contract Value	$48,180,299	Original Contract Days	1,015
Approved Cost Changes	$350,237	Approved Extra Days	10
Adjusted Contract Value	$48,530,536	Planned Substantial Completion Date	11/6/2016
Approved Payment to Date	$43,597,483	% complete	95%

Summary of Work	**Last Quarter**	**Total To Date**
Cubic Yards of Concrete placed	233	11,742
Buildings completed	3	4
Major equipment installed	complete	46



In the last quarter, Auburn worked on the following:

- Completed construction of the facility buildings – Administration, Maintenance, and Electrical.
- Completed all equipment installations and electrical connections necessary for facility start up.

- Completed the 10 day clean water operational test to complete the Testing Phase and initiate the Start Up Phase.

In the current quarter, Auburn plans to proceed with the following work:

- Complete the Dewatering Building and dewatering related equipment.
- Complete remaining construction related items, including revegetation and site clean up.
- Demobilize equipment and materials.

Contract Schedule Review: The contractor completed the testing phase and the WRF began to accept wastewater flows for the start-up phase on March 28, 2016. After flows have increased sufficiently during the start-up phase to allow for commissioning and final testing, the contract substantial completion date is 11/6/2016.

Pictures

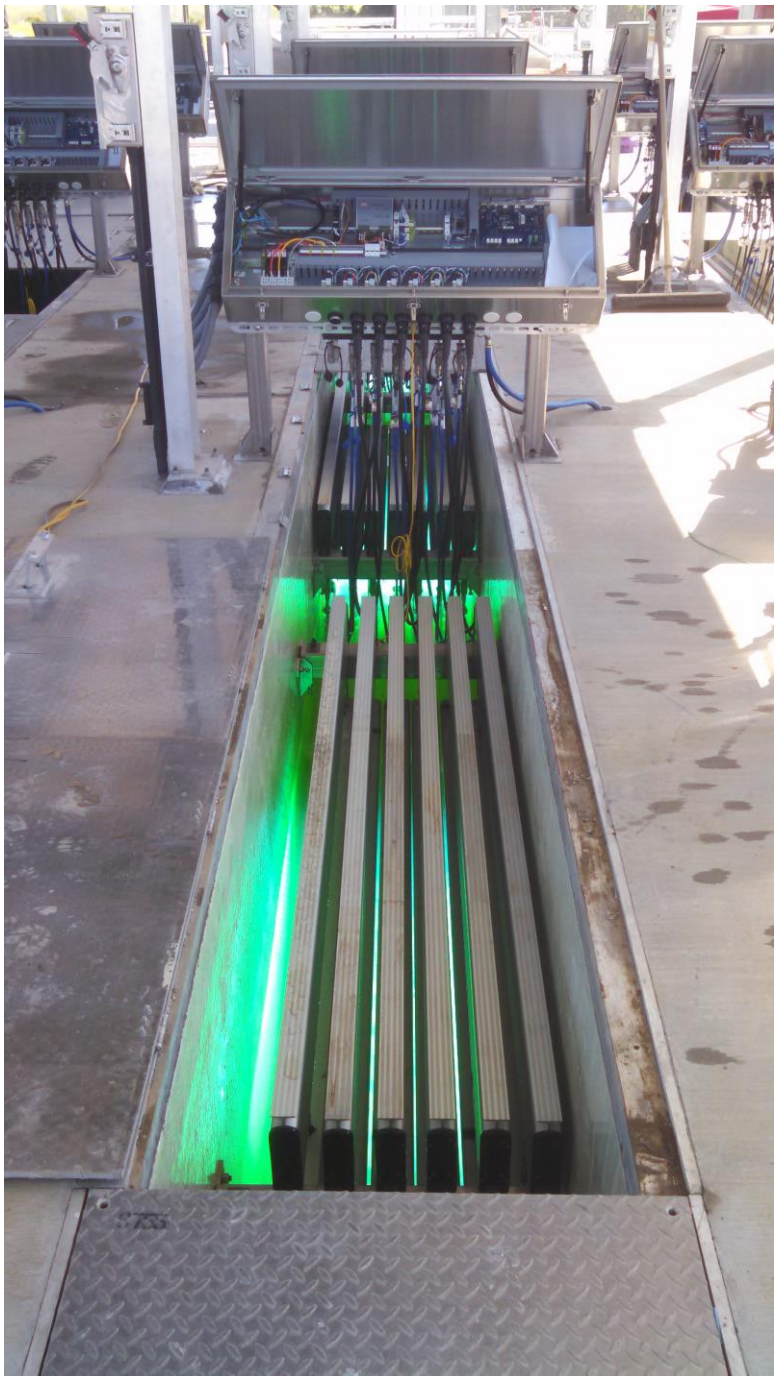
Administration Building

Maintenance Building

Recycled Water Storage Pond partially filled with rain water

Sludge storage basins

Oxidation Ditch anoxic zone basin

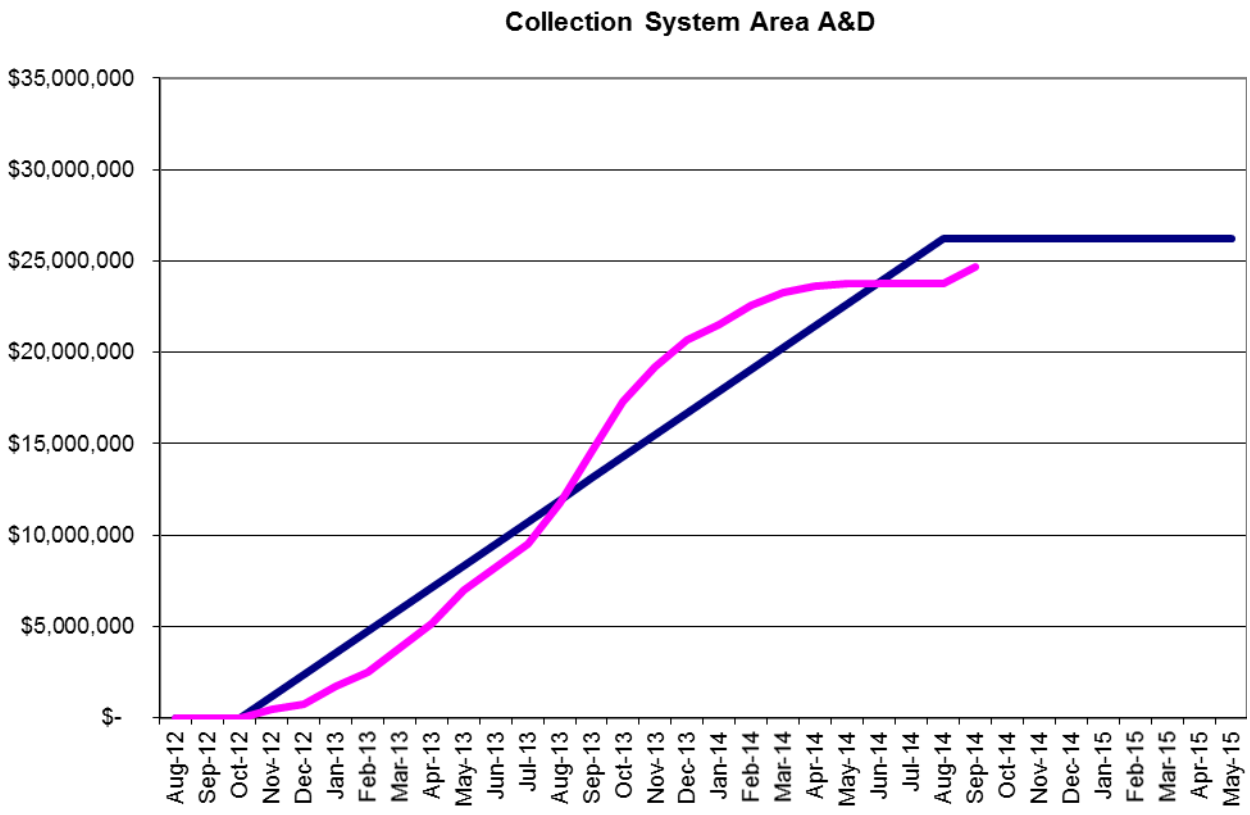


Ultra Violet disinfection channels

Collection System Area A&D Contract
Contract No. 300448.08.01.AD

Contract Summary			
Contractor	ARB Inc.	Notice to Proceed Date	8/13/2012
Contract Value	$26,223,855	Original Contract Days	694
Approved Cost Changes	$ 16,170	Approved Extra Days	0
Adjusted Contract Value	$26,240,025	Planned Substantial Completion Date	7/8/2014
Approved Payment to Date	$24,703,381	% complete	100%

Summary of Work	**Last Month**	**Total To Date**
Blocks/Segments completed	0	160
Total feet of pipe laid	0	132,900
Number of laterals installed	0	2,913

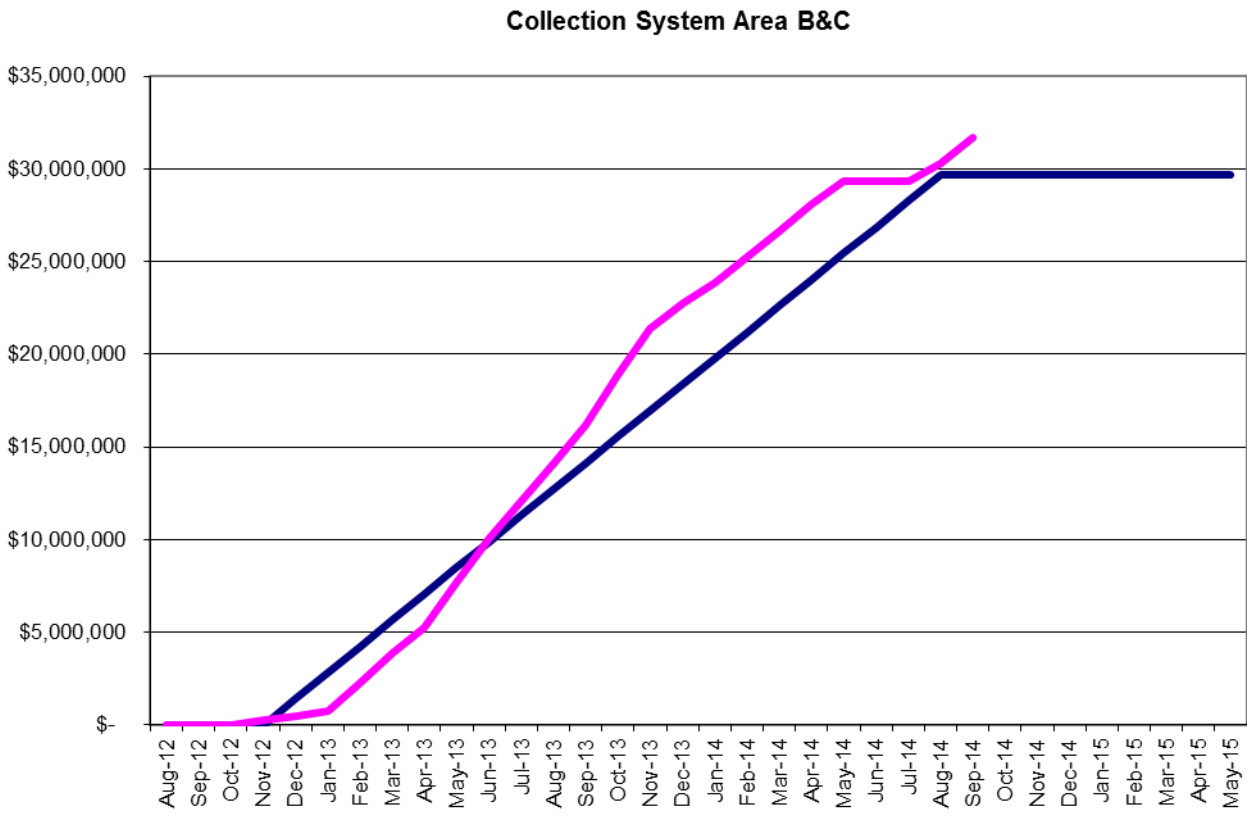


Contract Schedule Review: ARB has met the substantial completion date of 7/8/2014 and the final completion date of 9/5/14.

Collection System Area B&C Contract
Contract No. 300448.08.01.BC

Contract Summary			
Contractor	W.A. Rasic	Notice to Proceed Date	9/4/2012
Contract Value	$29,425,000	Original Contract Days	665
Approved Cost Changes	$260,893	Approved Extra Days	30
Adjusted Contract Value	$29,685,893	Planned Substantial Completion Date	7/31/2014
Approved Payment to Date	$31,709,286	% complete	100%

Summary of Work	**Last Month**	**Total To Date**
Blocks/Segments completed	0	135
Total feet of pipe laid	0	123,380
Number of laterals installed	0	1,786

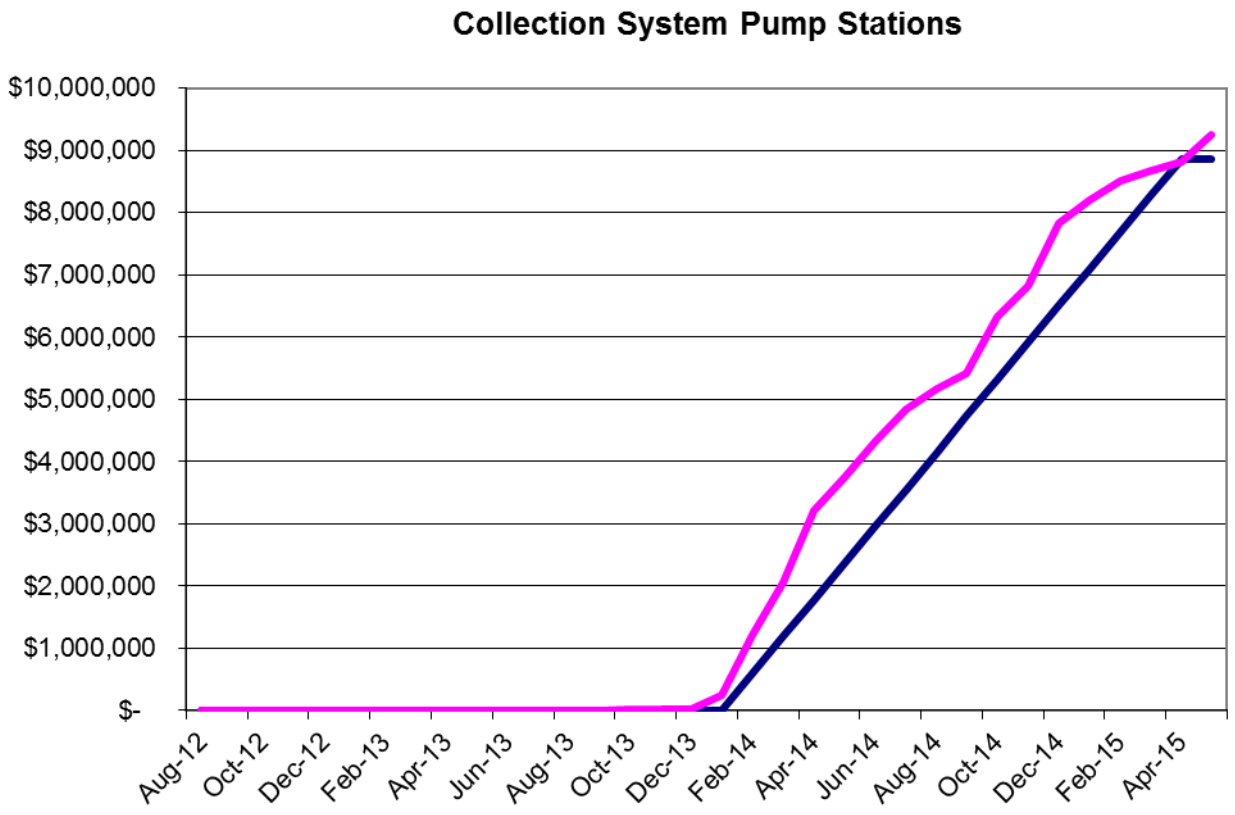


Contract Schedule Review: W.A. Rasic has met the substantial completion date of 7/31/2014 and the final completion date of 9/29/2014.

Collection System Pump Stations Contract
Contract No. 300448.08.01.PS

Contract Summary			
Contractor	Mtn. Cascade	Notice to Proceed Date	10/11/2012
Contract Value	$8,676,850	Original Contract Days	860
Approved Cost Changes	$570,833	Approved Extra Days	73
Adjusted Contract Value	$9,247,683	Planned Substantial Completion Date	5/1/2015
Approved Payment to Date	$9,247,683	% complete	100%

Summary of Work	**Last Month**	**Total To Date**
Major equipment installed	0	67
Generator buildings completed	0	8
Pump stations completed	0	21



Contract Schedule Review: Mountain Cascade has met the substantial completion date of 5/1/2015 and the final completion date of 5/23/2015.

Collection System Engineering Services

Design Services Agreement Summary			
Engineer	CDM Smith		
Fee Estimate	$4,574,470	Agreement Approval Date	5/17/2011
Approved Additional Services	$1,577,938	Original Planned Design and Construction Phase	30 months
Adjusted Fee	$6,152,408	Actual Planned Design and Construction Phase	46 months
Billed to Date	$6,009,133	% complete	99%

Construction Management Agreement Summary			
Engineer	HDR, Inc.		
Fee Estimate	$6,891,632	Agreement Approval Date	12/13/2011
Approved Additional Services	$2,290,642	Original Planned Construction Phase	18 months
Adjusted Fee	$9,182,274	Actual Planned Construction Phase	30 months
Billed to Date	$9,015,942	% complete	98%

Services Summary	**Totals**
Memos/Letters	840
RFI's	462
Submittals	632
Survey Requests	895
Lateral change requests	949
Approved change orders	22

Public Outreach Summary	**Totals**
Twitter Followers	101
Website Visitors	32,934
Website Unique Visitors	18,550
e-newletter signup	400
24/7 DigLine Calls	2,042
Phone Calls/Responses	4,367
Email Responses	1,348
Office Hour Sessions	162
House Calls	674
Other Public Contact	198
Note: The Dig Los Osos public outreach program was completed in May 2014. Public outreach data for Dig Los Osos is no longer being collected.	

Water Recycling Facility Engineering Services

Design Services Agreement Summary			
Engineer	Carollo Engineers		
Fee Estimate	$4,596,761	Agreement Approval Date	11/6/2012
Approved Additional Services	$214,250	Original Planned Design and Construction Phase	46 months
Adjusted Fee	$4,811,011	Actual Planned Design and Construction Phase	46 months
Billed to Date	$5,066,276	% complete	98%

Construction Management Agreement Summary			
Engineer	HDR, Inc.		
Fee Estimate	$3,657,254	Agreement Approval Date	6/18/2013
Approved Additional Services	$75,600	Original Planned Construction Phase	34 months
Adjusted Fee	$3,732,854	Actual Planned Construction Phase	34 months
Billed to Date	$3,475,203	% complete	93%

Water Conservation Program

Water Conservation Program Summary	**Last Quarter**	**Total To Date**
Toilets replaced	32	3,227
Showerheads replaced	13	2,358
Faucet aerators replaced	11	3,212
Clothes washers replaced	3	100
Value of rebates issued	$6,905	$902,148

Budget Issues Summary

The following is a summary of budget issues or risks related to the project that are being addressed by the project team. See the attached Budget Status Report for cost through the end of last month.

1. **Issue (no change from prior month): Collection System Area A&D Contract litigation**
   The Area A&D contractor, ARB Inc., filed litigation against the County on February 26, 2014 seeking payment for claimed damages of $15 million and later amended their claim to approximately $22 million. The litigation was filed prior to the completion of construction or resolution of the claims process detailed in the contract.
   Approach: County staff and legal counsel are working to address the litigation and mitigate potential legal costs. Initial responses to the litigation have been filed with the court. This item is expected to be ongoing for many months until the claims are resolved.

Project Cost to Date
Los Osos Wastewater Project
As Of 2/29/2016

	Item Description	Budget	Costs to Date	Remaining Budget
1	County Financed Pre-Due Diligence costs (through 4/30/2011)	$ 8,137,210	$ 8,137,210	$ -
2	**Administration/Preliminary Engineering**			
3	Carollo Engineers	$ 167,197	$ 167,197	$ -
4	Meyers Nave…	$ 26,590	$ 1,710	$ 24,880
5	County Staff/Other Direct Costs	$ 2,102,184	$ 2,581,823	$ (479,639)
6	**Subtotal**	**$ 2,295,971**	**$ 2,750,730**	**$ (454,759)**
7	Unallocated	$ -	$ -	$ -
8	**Total of Administration/Preliminary Engineering**	**$ 2,295,971**	**$ 2,750,730**	**$ (454,759)**
9	**Environmental Permits/Mitigation**			
10	Coastal San Luis RCD	$ 30,361	$ 9,479	$ 20,882
11	Brownstein Hyatt Farber Schreck	$ 90,000	$ 81,917	$ 8,083
12	Far Western Anthropological	$ 921,606	$ 906,368	$ 15,238
13	Far Western Anthropological	$ 189,591	$ -	$ 189,591
14	Kevin Merk Associates	$ 479,591	$ 83,803	$ 395,788
15	Mid Town Restoration (R. Burke Construction, Inc)	$ 400,762	$ 400,762	$ -
16	Rick Engineering	$ 89,055	$ 89,055	$ -
17	SLO Green Build	$ 97,075	$ 81,497	$ 15,578
18	SLO Starts Plant Propogation	$ 54,871	$ 54,871	$ -
19	SWCA	$ 56,539	$ 56,539	$ -
20	SWCA	$ 333,549	$ 272,748	$ 60,801
21	APCD	$ 157,007	$ 157,007	$ -
22	Water Conservation	$ 3,830,000	$ 1,442,739	$ 2,387,261
23	County Staff/Other Direct Costs	$ 1,592,993	$ 1,711,979	$ (118,986)
24	**Subtotal**	**$ 8,322,999**	**$ 5,348,763**	**$ 2,974,236**
25	Unallocated	$ -	$ -	$ -
26	**Total of Environmental Permits/Mitigation**	**$ 8,322,999**	**$ 5,348,763**	**$ 2,974,236**
27	**Collection and Recycled Water - Design and Construction**			
28	Camp Dresser & McKee	$ 6,152,408	$ 5,974,133	$ 178,275
29	Cardno TBE	$ 20,659	$ 20,659	$ -
30	Collection System Contract - Areas A & D	$ 28,846,240	$ 25,101,381	$ 3,744,859
31	Collection System Contract - Areas B & C	$ 31,709,286	$ 31,709,286	$ -
32	Collection System Contract - Pump Stations	$ 9,544,550	$ 9,247,683	$ 296,867
33	HDR Engineering	$ 9,182,274	$ 9,008,000	$ 174,274
34	LOCSD 2005 Installed Pipes	$ 772,029	$ 772,029	$ -
35	County Staff/Other Direct Costs	$ 3,258,214	$ 2,996,553	$ 261,661
36	**Subtotal**	**$ 89,485,660**	**$ 84,829,725**	**$ 4,655,935**
37	Unallocated	$ -	$ -	$ -
38	**Total of Collection and Recycled Water - Design and Construction**	**$ 89,485,660**	**$ 84,829,725**	**$ 4,655,935**
39	**Treatment Facility - Design and Construction**			
40	Carollo Engineers (Preliminary Design)	$ 785,244	$ 785,244	$ -
41	Carollo Engineers (Final Design)	$ 5,140,314	$ 4,987,554	$ 152,760
42	HDR Engineering	$ 4,022,979	$ 3,102,299	$ 920,680
43	WRF Contract	$ 50,601,814	$ 43,967,972	$ 6,633,842
44	Lab Equipment	$ 32,000	$ -	$ 32,000
45	Operational Equipment	$ 154,000	$ -	$ 154,000
46	County Staff/Other Direct Costs	$ 1,750,000	$ 1,544,433	$ 205,567
47	**Subtotal**	**$ 62,486,351**	**$ 54,387,501**	**$ 8,098,850**
48	Unallocated	$ -	$ -	$ -
49	**Total of Treatment Facility - Design and Construction**	**$ 62,486,351**	**$ 54,387,501**	**$ 8,098,850**
50	**Right of Way**			
51	Hamner Jewell & Associates	$ 56,897	$ 56,897	$ -
52	Schenberger Taylor…	$ 50,000	$ 50,000	$ -
53	Real Property Acquisition	$ 2,247,945	$ 2,247,945	$ -
54	Price Postal Parma	$ 105,891	$ 105,891	$ -
55	County Staff/Other Direct Costs	$ 425,000	$ 419,036	$ 5,964
56	**Subtotal**	**$ 2,885,733**	**$ 2,879,769**	**$ 5,964**
57	Unallocated	-	$ -	$ -
58	**Total of Right of Way**	**$ 2,885,733**	**$ 2,879,769**	**$ 5,964**
59	**Subtotal of Project Costs**	**$ 173,613,924**	**$ 158,333,698**	**$ 15,280,226**
60	**Contingency**	$ 2,367,483	$ -	$ 2,367,483
61	**SRF Refinance**	$ 6,288,416	$ 6,288,416	$ -
62	**Interest/Finance Charges**	$ 1,110,000	$ 1,023,737	$ 86,263
63	**GRAND TOTAL**	**$ 183,379,823**	**$ 165,645,851**	**$ 17,733,972**