



**Watersheds Coalition of Ventura County IRWMP
Proposition 50 Grant Proposal, Step 2
*Attachment 6: Budget***

For each project contained in the Proposal, provide detailed budget documentation supporting the costs shown in Table B-1, Budget. Table B-1 must be completed for each project in the Proposal and another form must be completed as a summary or roll-up budget for the entire Proposal. In addition, a detailed estimate of costs that supports the budget must be completed. For each budget category shown in Table B-1, there may be several work items and sub work items (e.g. tasks and sub-tasks). The work items and sub work items shown in the Work Plan, Attachment 5, and Schedule, Attachment 7, should agree with the information shown in Attachment 6.

Applicants must consider the relevant labor code compliance requirements and the applicability of prevailing wage laws in developing the budget (Guidelines, Section IV)

Table B-1 must be completed for each project in the Proposal and another Table B-1 must be completed as a summary (roll-up) budget for the entire Proposal. The Summary Budget Table B-1 must be clearly marked as such. Although the applicant should complete Row (j) for each individual project, the Minimum Funding Match requirement applies to the costs of the overall Proposal. Therefore, the 10 % minimum Funding Match must be met or exceeded on the Summary Budget Table B-1; the percent funding match from that table only will be used for the Funding Match Scoring Criterion shown in Table 3 of this PSP.

This Attachment provides, as a first page, a summary table of all of the project budgets. The summary budget is followed by individual tables for each project as well as a budget breakdown for the

items in the budget breakdown. Where applicable, a separate table documenting operations and maintenance costs for each project for use in the economic analysis is also provided.

Attachment 6: Cost Estimates for Implementation of Watersheds Coalition of Ventura County IRWMP

Budget Category		Calleguas Regional Salinity Management Project (Brine Line), Hueneme Outfall Rehabilitation (C-1)			Camarillo Groundwater Treatment Facility (C-3)			VCWWD1 Recycled Water System, Phase II (C-7)			Calleguas Creek Watershed Arundo/Tamarisk Programmatic EIR/EA, Permits and Pilot Removal Project (C-10)			Simi Valley Tapo Canyon Water Treatment Plant (C-11)		
		Non-State Share (Funding Match)	Requested State Share (Grant Funding)	Total	Non-State Share (Funding Match)	Requested State Share (Grant Funding)	Total	Non-State Share (Funding Match)	Requested State Share (Grant Funding)	Total	Non-State Share (Funding Match)	Requested State Share (Grant Funding)	Total	Non-State Share (Funding Match)	Requested State Share (Grant Funding)	Total
(a)	Direct Project Administration Costs	\$0	\$0	\$0	\$70,000	\$0	\$70,000	\$18,666	\$0	\$18,666	\$0	\$45,000	\$45,000	\$53,000	\$0	\$53,000
(b)	Land Purchase/Easement	\$19,894	\$0	\$19,894	\$400,000	\$0	\$400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
(c)	Planning/Design/Engineering/Environmental Documentation	\$2,066,505	\$0	\$2,066,505	\$950,000	\$1,000,000	\$1,950,000	\$128,850	\$0	\$128,850	\$190,000	\$625,000	\$815,000	\$50,000	\$0	\$50,000
(d)	Construction/Implementation	\$8,285,000	\$3,345,000	\$11,630,000	\$7,994,930	\$4,000,000	\$11,994,930	\$692,500	\$1,000,000	\$1,692,500	\$45,000	\$280,000	\$325,000	\$2,055,980	\$1,500,000	\$3,555,980
(e)	Environmental Compliance/Mitigation/Enhancement	\$259,056	\$0	\$259,056	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000	\$0	\$50,000
(f)	Construction Administration	\$776,800	\$0	\$776,800	\$1,220,000	\$500,000	\$1,720,000	\$162,400	\$0	\$162,400	\$0	\$80,000	\$80,000	\$203,000	\$0	\$203,000
(g)	Other Costs	\$0	\$0	\$0	\$70,000	\$0	\$70,000	\$0	\$0	\$0	\$60,000	\$50,000	\$110,000	\$0	\$0	\$0
(h)	Construction/Implementation Contingency	\$2,950,451	\$0	\$2,950,451	\$2,605,070	\$0	\$2,605,070	\$0	\$0	\$0	\$0	\$75,000	\$75,000	\$190,000	\$0	\$190,000
(i)	Grand Total (Sum (a) through (h) for each column)	\$14,357,706	\$3,345,000	\$17,702,706	\$13,310,000	\$5,500,000	\$18,810,000	\$1,002,416	\$1,000,000	\$2,002,416	\$295,000	\$1,155,000	\$1,450,000	\$2,601,980	\$1,500,000	\$4,101,980
(j)	Calculation of Funding Match % (Used in Funding Match Scoring Criterion)	-	-	81%	-	-	71%	-	-	50%	-	-	20%	-	-	63%

Budget Category		El Rio Forebay Groundwater Contaminant Elimination Project, Phase 7 (SC-1)			Oxnard Forebay Groundwater Contaminant Elimination Project, College Park Phase (SC-2)			Fillmore Integrated Water Recycling and Wetlands Project, Phase II-A (SC-3)			Ventura River Watershed Protection Project (V-1)			San Antonio Spreading Grounds Rehabilitation (V-2)		
		Non-State Share (Funding Match)	Requested State Share (Grant Funding)	Total	Non-State Share (Funding Match)	Requested State Share (Grant Funding)	Total	Non-State Share (Funding Match)	Requested State Share (Grant Funding)	Total	Non-State Share (Funding Match)	Requested State Share (Grant Funding)	Total	Non-State Share (Funding Match)	Requested State Share (Grant Funding)	Total
(a)	Direct Project Administration Costs	\$0	\$10,000	\$10,000	\$0	\$0	\$0	\$75,000	\$0	\$75,000	\$16,500	\$81,000	\$97,500	\$10,049	\$0	\$10,049
(b)	Land Purchase/Easement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000	\$50,000
(c)	Planning/Design/Engineering/Environmental Documentation	\$0	\$5,000	\$5,000	\$140,798	\$0	\$140,798	\$520,140	\$0	\$520,140	\$368,000	\$600,000	\$968,000	\$58,499	\$132,565	\$191,064
(d)	Construction/Implementation	\$48,960	\$2,802,690	\$2,851,650	\$0	\$3,050,000	\$3,050,000	\$6,000,000	\$3,050,000	\$9,050,000	\$53,500	\$794,538	\$848,038	\$0	\$900,069	\$900,069
(e)	Environmental Compliance/Mitigation/Enhancement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$131,873	\$131,873	
(f)	Construction Administration	\$0	\$233,310	\$233,310	\$300,014	\$0	\$300,014	\$300,000	\$0	\$300,000	\$15,000	\$0	\$15,000	\$40,197	\$0	\$40,197
(g)	Other Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$70,000	\$0	\$70,000	\$0	\$0	\$0
(h)	Construction/Implementation Contingency	\$233,310	\$0	\$233,310	\$100,064	\$0	\$100,064	\$600,000	\$0	\$600,000	\$0	\$70,000	\$70,000	\$0	\$100,493	\$100,493
(i)	Grand Total (Sum (a) through (h) for each column)	\$282,270	\$3,051,000	\$3,333,270	\$540,876	\$3,050,000	\$3,590,876	\$7,495,140	\$3,050,000	\$10,545,140	\$523,000	\$1,545,538	\$2,068,538	\$108,746	\$1,315,000	\$1,423,746
(j)	Calculation of Funding Match % (Used in Funding Match Scoring Criterion)	-	-	8%	-	-	15%	-	-	71%	-	-	25%	-	-	8%

Budget Category		Senior Canyon Mutual Water Company Automation Upgrades Project (V-6)			GRAND TOTAL FOR ALL PROJECTS		
		Non-State Share (Funding Match)	Requested State Share (Grant Funding)	Total	Non-State Share (Funding Match)	Requested State Share (Grant Funding)	Total
(a)	Direct Project Administration Costs	\$0	\$0	\$0	\$243,215	\$136,000	\$379,215
(b)	Land Purchase/Easement	\$0	\$0	\$0	\$419,894	\$50,000	\$469,894
(c)	Planning/Design/Engineering/Environmental Documentation	\$20,000	\$30,000	\$50,000	\$4,492,792	\$2,392,565	\$6,885,357
(d)	Construction/Implementation	\$156,644	\$411,116	\$567,760	\$25,332,514	\$21,133,413	\$46,465,927
(e)	Environmental Compliance/Mitigation/Enhancement	\$0	\$0	\$0	\$309,056	\$131,873	\$440,929
(f)	Construction Administration	\$27,194	\$0	\$27,194	\$3,044,606	\$813,310	\$3,857,916
(g)	Other Costs	\$0	\$0	\$0	\$200,000	\$50,000	\$250,000
(h)	Construction/Implementation Contingency	\$20,000	\$47,346	\$67,346	\$6,698,895	\$292,839	\$6,991,734
(i)	Grand Total (Sum (a) through (h) for each column)	\$223,838	\$488,462	\$712,300	\$40,740,971	\$25,000,000	\$65,740,972
(j)	Calculation of Funding Match % (Used in Funding Match Scoring Criterion)	-	-	31%	-	-	62%

Attachment 6 - Budget
Calleguas Regional Salinity Management Project (Brine Line), Hueneme Outfall Rehabilitation (C-1)
Summary and Back-up

Budget Category		Other State Funds	Non-State Share (Funding Match)	Requested Grant Funding	Total	% Funding Match
(a)	Direct Project Administration Costs	0	0	0	\$ -	
(b)	Land Purchase/Easement	0	\$ 19,894	0	\$ 19,894	100%
(c)	Planning/Design/Engineering/Environmental Documentation	0	\$ 2,066,505	0	\$2,066,505	100%
(d)	Construction/Implementation	0	\$ 8,285,000	\$ 3,345,000	\$11,630,000	71%
(e)	Environmental Compliance/Mitigation/Enhancement	0	\$ 259,056	0	\$259,056	100%
(f)	Construction Administration	0	\$ 776,800	0	\$776,800	100%
(g)	Other Costs	0	\$ -	0	\$0	
(h)	Construction/Implementation Contingency	0	\$ 2,950,451	0	\$2,950,451	100%
(i)	Grand Total (Sum rows (a) through (h) for each column)	\$0.00	\$14,357,706	\$3,345,000	\$17,702,706	81%
(j)	Calculation of Funding Match %					81%

Staff Position	Mgr of Eng	PM	Inspector	Admin
Hourly Rate	\$95.00	\$71.00	\$46.00	\$43.00
TASKS				
(a)	Direct Project Administration Costs	0	0	0
(b)	Land Purchase/Easement	18	40	8
(c)	Planning/Design/Engineering/Environmental Documentation	160	800	120
(d)	Construction/Implementation	0	0	0
(e)	Environmental Compliance/Mitigation/Enhancement	16	48	96
(f)	Construction Administration	200	1200	3640
(g)	Other Costs	0	0	0
(h)	Construction/Implementation Contingency	0	0	0

Staff Position	Total CMWD Labor Cost	Other costs	Total
Hourly Rate			
TASKS			
(a)	Direct Project Administration Costs \$ -		
(b)	Land Purchase/Easement \$ 4,894	\$ 15,000	\$ 19,894
(c)	Planning/Design/Engineering/Environmental Documentation \$ 77,160	\$ 1,989,345	\$ 2,066,505
(d)	Construction/Implementation \$ -	\$ 11,630,000	\$ 11,630,000
(e)	Environmental Compliance/Mitigation/Enhancement \$ 9,056	\$ 250,000	\$ 259,056
(f)	Construction Administration \$ 276,800	\$ 500,000	\$ 776,800
(g)	Other Costs \$ -		\$ -
(h)	Construction/Implementation Contingency \$ -	\$ 2,950,451	\$ 2,950,451
	Total		\$ 17,702,706

Attachment 6 - Budget
Calleguas Regional Salinity Management Project (Brine Line), Hueneme Outfall Rehabilitation (C-1)
Summary and Back-up

NOTES:

(b)	ROW Agent	Surveyor	Subtotal	CMWD Labor	Total	
Easement Documentation	\$ 10,000.00		\$ 10,000.00			
Surveying/Legal Descriptions		\$ 5,000.00	\$ 5,000.00			
Totals	\$ 10,000.00	\$ 5,000.00	\$ 15,000.00	\$ 4,894	\$ 19,894.00	Task Total

(c)	Engineer/ Geotech	Env	Subtotal	CMWD Labor	Total	
Preliminary Design	\$ 914,345		\$ 914,345	19290	\$ 933,635	Task Total
Design	\$ 1,000,000		\$ 1,000,000	\$ 38,580	\$ 1,038,580	Task Total
Environmental Documentation		\$ 75,000	\$ 75,000	19290	\$ 94,290	Task Total
Subtotal	\$ 1,914,345	\$ 75,000	\$ 1,989,345	\$ 77,160	\$ 2,066,505	Task Total

(d)	Cont Bid	Extended Price	Subtotal	CMWD Labor	Total	
1 General Requirements (30%)		\$ 1,700,000				
2 Drill and install pipe 4900LF, 30-inch ID HDPE SDR 17		\$ 3,500,000				
3 Supply Pipe		\$ 750,000				
4 Joint Pipe		\$ 131,250				
5 Diffuser section Complete		\$ 875,000				
6 Onshore work		\$ 393,750				
Subtotal		\$ 7,350,000				
Contingency (25%)		\$ 1,837,500				
Subtotal		\$ 9,187,500				
Escalation to midpoint of Construction (October 2007) (7.5%)		\$ 689,063				
Allowance for Weather Delays		\$ 1,750,000				
Total		\$ 11,630,000			\$ 11,630,000	Task Total

(e)	Env	Subtotal	CMWD Labor	
Mitigation	\$ 250,000	\$ 250,000		
Subtotal	\$ 250,000	\$ 250,000	\$ 9,056	\$ 259,056 Task Total

(f)	Eng	Subtotal	CMWD Labor	Total	
Construction Administration	\$ 500,000	\$ 500,000			
Subtotal	\$ 500,000	\$ 500,000	\$ 276,800	\$ 776,800	Task Total
sum (d), (e), and (f)		\$ 12,380,000	\$ 285,856	\$ 12,406,800	

Construction Contingency	\$ 2,950,451
Total Construction incl Admin and Mitigation	\$ 15,357,251
ROW - Easement	\$ 19,894
Planning/Design/Geotech/Environmental. Doc	\$ 2,066,505
Total Project	\$ 17,443,650

Attachment 6 - Budget
Calleguas Regional Salinity Management Project (Brine Line), Hueneme Outfall Rehabilitation (C-1)
O & M



BLACK & VEATCH
 Corporation

Calleguas Municipal Water District
 Ocean Outfall Rehabilitation Project - SP 484
 Preliminary Opinion of Probable Annual Operation and Maintenance Cost

Revision : 0
 By : AMS/ML
 Date : 5/168/2006
 B&V# 143502

Title	Frequency	Remarks	Year																								
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20					
Routine Inspection	5 years							\$66,839					\$83,293									\$103,799					\$129,352
After major storm	3 years			\$61,206					\$69,846			\$79,706			\$90,958							\$103,799			\$118,451		
Initial flow increase	2 years	first 10 years only.		\$61,686		\$67,363			\$73,562		\$80,331		\$87,724														
Total			\$0	\$61,686	\$61,206	\$67,363	\$66,839	\$143,408	\$0	\$80,331	\$79,706	\$171,017	\$0	\$90,958	\$0	\$0	\$207,597	\$0	\$0	\$118,451	\$0	\$129,352					
Average O&M per year over 20 year (2005 prices)			\$64,000																								

Assumptions

- 1 Diving Team \$47,000 Divecon Quotation 5024 in 2005 prices
- 2 Inflation 4.50% per annum
- 3 Assumed commissioning 2008
- 4 Each O&M event 1 days diving
- 5 Flow build up to 30 cfs over 10 year period, progressive removal of blanks from diffuser ports
- 6 Costs presented are for routine O&M, exclude pumping, repair or any routine dilution monitoring for permit compliance
- 7 Adequate diving resources available in Ventura area

**Attachment 6 - Budget
Camarillo Groundwater Treatment Facility (C-3)
Summary and Back-up**

Fr 5/15/06							
Budget Category	Other State Funds	Non-State Share (Funding Match)	Requested Grant Funding	Total	% Funding Match		
(a) Direct Project Administration Costs	0	\$ 70,000	0	\$ 70,000			
(b) Land Purchase/Easement	0	\$ 400,000	0	\$ 400,000	100%		
(c) Planning/Design/Engineering/Environmental Documentation	0	\$ 950,000	\$ 1,000,000	\$ 1,950,000	49%		
(d) Construction/Implementation	0	\$ 7,994,930	\$ 4,000,000	\$ 11,994,930	67%		
(e) Environmental Compliance/Mitigation/Enhancement	0	\$ -	0	\$ 0	-		
(f) Construction Administration	0	\$ 1,220,000	\$ 500,000	\$ 1,720,000	71%		
(g) Other Costs	0	\$ 70,000	0	\$ 70,000			
(h) Construction/Implementation Contingency	0	\$ 2,605,070	0	\$ 2,605,070	100%		
(i) Grand Total (Sum rows (a) through (h) for each column)	\$0.00	\$13,310,000	\$5,500,000	\$18,810,000	71%		
(j) %					71%		
Staff Position	Mgr of Eng	PM	Inspector	Admin	Total Labor Cost	Implementation expenses	Total Project Cost
Hourly Rate	\$150.00	\$120.00	\$85.00	\$55.00			
TASKS							
(a) Direct Project Administration Costs	251	200	49	76	\$ 70,000		\$ 70,000 ¹
(b) Land Purchase/Easement	150	16	0		\$ 24,420	\$ 375,580.00	\$ 400,000
(c) Planning/Design/Engineering/Environmental Documentation	300	665	100	250	\$ 147,050	\$ 1,802,950	\$ 1,950,000
(d) Construction/Implementation	520	0	0	126	\$ 84,930	\$ 11,910,000	\$ 11,994,930
(e) Environmental Compliance/Mitigation/Enhancement			0		\$ -	\$ -	\$ -
(f) Construction Administration	630	0	0	50	\$ 97,250	\$ 1,622,750	\$ 1,720,000
(g) Other Costs	36	0	0	15	\$ 6,225	\$ 63,775.00	\$ 70,000
(h) Construction/Implementation Contingency	64	0	0	25	\$ 10,975	\$ 2,594,095	\$ 2,605,070
				Totals	\$ 440,850	\$ 18,369,150	\$ 18,810,000
NOTES:							
1 Includes preparation of PAEP, QAPP, MP and monitoring							
				Camarillo Labor	Task Total		
(a)							
Direct Project Administration Costs	\$ -		\$ -				
Totals	\$ -	\$ -	\$ -	\$ 70,000	\$ 70,000		
(b)	ROW Agent	Surveyor					
Purchase Documentation	\$ 20,000.00		\$ 20,000.00				
Surveying/Legal Descriptions		\$ 10,000.00	\$ 10,000.00				
Cost of Land			\$ 345,580.00				
Totals	\$ 20,000.00	\$ 10,000.00	\$ 375,580.00	\$ 24,420	\$ 400,000		
(c)	Eng. Cons.	Env. Cons.	Subtotal				
Preliminary Design	\$ -		\$ -				
Design	\$ 1,742,950		\$ 1,742,950	110287.5	\$ 1,853,238		
Environmental Documentation		\$ 60,000	\$ 60,000	36762.5	\$ 96,763		
Subtotal	\$ 1,742,950	\$ 60,000	\$ 1,802,950	\$ 147,050	\$ 1,950,000		
(d)			Extended Price				
Construction			\$ 11,910,000	See detail below	\$ 11,910,000		
Contingency			\$ 2,594,095	\$ 10,975	\$ 2,605,070		
			\$ 14,504,095		\$ 14,504,095		

**Attachment 6 - Budget
Camarillo Groundwater Treatment Facility (C-3)
Summary and Back-up**

Notes:						
Provide detailed breakdown by bid item, phase, etc. if available.						
From Total of B&V Construction \$	Total					
Property	\$ 130,000					
Site Development	\$ 270,000					
Feed Piping from Wells to Site	\$ 460,000					
Concentrate Pipeline	\$ 430,000					
Product Pipeline	\$ 330,000					
Well "X"	\$ 1,100,000					
Reverse Osmosis Sys. incl. Pre-treat & Decarb	\$ 5,230,000					
Post-treat Chemical Addition Systems	\$ 260,000					
Product Transfer Pump Station	\$ 110,000					
Interconnecting Piping	\$ 390,000					
Electrical/Instrumentation	\$ 1,100,000					
Miscellaneous (5%)	\$ 470,000					
Concrete Pad & Building for RO	\$ 1,630,000					
Concentrate Disposal hookup fee	\$ -					
subtotal construction	\$ 11,910,000			\$ 84,930	\$ 11,994,930	
	Env. Consul.	Subtotal				
Mitigation	\$ -	\$ -				
Subtotal	\$ -	\$ -				
	Construction Management Firm	Subtotal				
Construction Administration	\$ 1,622,750	\$ 1,622,750				
Subtotal	\$ 1,622,750	\$ 1,622,750		\$ 97,250	\$ 1,720,000	
Permits/Fees (Other)	\$ 63,775.00	\$ 63,775.00				
		\$ -				
Totals	\$ 63,775.00	\$ 63,775.00		\$ 6,225	\$ 70,000	
			Total	\$ 429,875	\$ 18,810,000	

**Attachment 6 - Budget
Camarillo Groundwater Treatment Facility (C-3)
O & M**

Annual O&M Costs						O&M Costs (\$/yr)					
			Annual Cost	\$/ac-ft		Admin	Ops	Maint	Replacement	Other	Total
Chemicals			\$ 139,985	\$ 20.30	ops	\$ 54,000	\$ 1,038,178	\$ 146,708	\$ 95,200	0	\$ 1,334,086
Energy			\$ 710,189	\$ 103.01	ops	Admin per 5/16/06 Lucie McGovern, City of Camarillo e-mail					
Operating Labor			\$ 58,400	\$ 8.47	ops						
Maintenance Labor			\$ 41,600	\$ 6.03	maint						
Maintenance Materials			\$ 105,108	\$ 15.25	maint						
RO Membrane Replacement			\$ 95,200	\$ 13.81	Replace						
Concentrate Disposal unit fee			\$ 72,080	\$ 10.45	ops	\$35/ac.ft. concentrate flow					
Miscellaneous			\$ 57,524	\$ 8.34	ops						
	Total		\$ 1,280,086	\$ 185.67							

**Attachment 6 - Budget
VCWWD1 Recycled Water System, Phase II (C-7)
Summary and Back-up**

Fr 5/15/06						
Budget Category	Other State Funds	Non-State Share (Funding Match)	Requested Grant Funding	Total	% Funding Match	
(a) Direct Project Administration Costs	0	\$18,666	\$0	\$18,666	100%	
(b) Land Purchase/Easement	0	\$0	\$0	\$0	0%	
(c) Planning/Design/Engineering/ Environmental Documentation	0	\$128,850	\$0	\$128,850	100%	
(d) Construction/Implementation	0	\$692,500	\$1,000,000	\$1,692,500	41%	
(e) Environmental Compliance/ Mitigation/Enhancement	0	\$0	\$0	\$0	0%	
(f) Construction Administration	0	\$162,400	\$0	\$162,400	100%	
(g) Other Costs	0	\$0	\$0	\$0	0%	
(h) Construction/Implementation Contingency	0	\$0	\$0	\$0	0%	
(i) Grand Total (Sum rows (a) through (h) for each column)	\$0.00	\$1,002,416	\$1,000,000	\$2,002,416	50%	
(j) Calculation of Funding Match %					50%	
Notes:						
- Source of Funds for Non-State Share to be from District Sewer Connection Fees						
- Allowances for different Budget Categories are based on guidelines from the SWRCB's "Policy of Implementing the State Revolving Fund for Construction of Wastewater Treatment Facilities"						
Staff Position	Director	Eng Mgr III	Staff Svcs Spec	Administrative Officer	Eng. III	Eng. II
Hourly Rate	\$170.44	\$145.26	\$104.16	\$96.69	\$82.86	\$92.59
TASKS	(Number of Hours)					
(a) Direct Project Administration Costs	8	40	64	40	0	0
(b) Land Purchase/Easement	0	0	0	0	0	0
(c) Planning/Design/Engineering/ Environmental Documentation	10	115	0	0	460	250
(d) Construction/Implementation	0	0	0	0	0	0
(e) Environmental Compliance/ Mitigation/Enhancement	0	0	0	0	0	0
(f) Construction Administration	0	210	0	0	0	92
(g) Other Costs	0	0	0	0	0	0
(h) Construction/Implementation Contingency	0	0	0	0	0	0
Total Hours:	18	365	64	40	460	342
Total Costs:	\$3,068	\$53,020	\$6,666	\$3,868	\$38,116	\$31,666
Staff Position	Tech Spec IV	Tech Spec III	Total Agency Labor	Consultant	Low Bid	Total Cost
Hourly Rate	\$59.87	\$51.90		\$		
TASKS						
(a) Direct Project Administration Costs	16	0	\$18,666	\$0	\$0	\$18,666
(b) Land Purchase/Easement	0	0	\$0	\$0	\$0	\$0
(c) Planning/Design/Engineering/ Environmental Documentation	0	225	\$91,350	\$37,500	\$0	\$128,850
(d) Construction/Implementation	0	0	\$0	\$0	\$1,692,500	\$1,692,500
(e) Environmental Compliance/ Mitigation/Enhancement	0	0	\$0	\$0	\$0	\$0
(f) Construction Administration	0	67	\$42,500	\$119,900	\$0	\$162,400
(g) Other Costs	0	0	\$0	\$0	\$0	\$0
(h) Construction/Implementation Contingency	0	0	\$0	\$0	\$0	\$0
Total Hours:	16	292	\$120,850	-	-	-
Total Costs:	\$958	\$15,155	\$152,516	\$157,400	\$1,692,500	\$2,002,416
		sum horiz=	\$ 136,403			
						\$2,002,416

**Attachment 6 - Budget
VCWWD1 Recycled Water System, Phase II (C-7)
Summary and Back-up**

Project Management						
PERSONNEL:						
	Hourly Rate	Hours	Total			
Director	\$170.44	8	\$1,363.52			
Engineer Manager II	\$145.26	40	\$5,810.40			
Staff Services Specialist	\$104.16	64	\$6,666.24			
Administrative Officer	\$96.69	40	\$3,867.60			
Technical Specialist IV	\$59.87	16	\$957.92			
		168	\$18,665.68			
	ROW Agent	Surveyor				
Easement Documentation	\$ -	\$ -	\$ -			
Surveying/Legal Descriptions	\$ -	\$ -	\$ -			
Totals	\$ -	\$ -	\$ -			
Planning/Design/Engineering/ Environmental Documentation						
ACTIVITY:	Cost					
Utilities/Surveying, etc. / Consultant	\$5,000					
Public Outreach/User Training, etc. / Consultant	\$17,500					
Geotech / Consultant	\$5,000					
Structural / Consultant	\$10,000					
Design / Agency	\$87,350					
Supplemental Engineering Report / Agency	\$4,000					
Sub-Total Consultants \$:	\$37,500					
Sub-Total Agency \$:	\$91,350					
Total Planning/Design/Engineering/Environmental Documentation:	\$128,850					
Notes:						
- See Breakdown of Hours/Costs Below for "Design" & "Supplemental Engineering Report"						
Design:						Total Cost
Hourly Rate:	\$170.44	\$145.26	\$92.59	\$82.86	\$51.90	
Tasks:	(Number of Hours)					
Tank Plans & Specs	4	40	200	100	100	
Pipeline Plans & Specs	4	40	188.5	100	100	
Traffic Control, Detour, Permits, etc.	2	8	60	40	20	
Total Hours:	10	88	448.5	240	220	
Total Costs:	\$1,704	\$12,783	\$41,559	\$19,886	\$11,418	\$87,350
Supplemental Engineering Report:		\$0	\$20	\$0	\$0	\$21
Total Costs:	\$0	\$2,905	\$0	\$0	\$1,090	
Rounded Totals:	\$0	\$2,900	\$0	\$0	\$1,100	\$4,000
Construction:						
		# of units	unit	Req. Grant	Funding Match	Total
	Contractor Low Bidder	1	LS	\$1,000,000	\$692,500	\$1,692,500
					Total	\$1,692,500
Notes:						
- See Engineer's Estimate Below.						

Attachment 6 - Budget
VCWWD1 Recycled Water System, Phase II (C-7)
Summary and Back-up

ENGINEER'S ESTIMATE						
	<u>Item</u>	<u>Unit</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Total Cost</u>	
1.5 Million Gallon Storage Tank						
	Concrete ring wall foundation				\$200,000	
	Welded steel tank				\$460,000	
	Coatings				\$150,000	
	On-site Piping & Yard Piping				\$40,000	
	AC Paving & Berms				\$70,000	
	Chain Link Fence & Gate				\$15,000	
	SCADA Controls				\$40,000	
	Underdrain System				\$15,000	
	Overflow Valve, etc.				\$10,000	
	Total Construction Cost				\$1,000,000	
Recycled Water Distribution Pipeline						
	Mobilization	LS	1	\$30,000	\$30,000	
	Trench Safety	LS	1	\$15,000	\$15,000	
	16" Pipeline		1200	\$200	\$240,000	
	12" Pipeline		1800	\$175	\$315,000	
	Air Vacuum Valve		3	\$3,000	\$9,000	
	4" Blow-off		2	\$4,000	\$8,000	
	16" Gate Valves		3	\$2,000	\$6,000	
	12" Gate Valves		3	\$1,500	\$4,500	
	Hitch Boulevard Tee Assembly		1	\$5,000	\$5,000	
	Traffic Control		1	\$50,000	\$50,000	
	Water Pollution Control		1	\$10,000	\$10,000	
	Total Pipeline Construction Cost				\$692,500	
	TOTAL CONSTRUCTION COST				\$1,692,500	
	Direct Project Administration Costs				\$18,666	
	Planning/Design/Engineering/Environmental Documents				\$128,850	
	Construction Administration				\$162,400	
	TOTAL PROJECT COST				\$2,002,416	
		Subtotal				
Mitigation		\$	-			
Subtotal		\$	-			
Construction Administration:						
ACTIVITY:			Match	Grant	Cost	
Welding Inspection/Consultant			\$10,000	\$0	\$10,000	
Coating Inspection/Consultant			\$8,000	\$0	\$8,000	
Construction Engineering/Agency			\$10,000	\$0	\$10,000	
Materials Testing/Consultant			\$15,000	\$0	\$15,000	
Construction Inspection/Consultant			\$86,900	\$0	\$86,900	
Contract Admin-Proj. Mgmt/Agency			\$32,500	\$0	\$32,500	
Total Construction Administration Costs:			\$162,400	\$0	\$162,400	
Construction Engineering (\$10,000) + Contract Administration (\$32,500)						
Staff Position:	Director	Eng. Mgr III	Eng. IV	Eng. III	Tech. Spec. IV	
Hourly Rate:	\$170.44	\$145.26	\$92.59	\$82.86	\$51.90	Total Cost
Tasks:	(Number of Hours)					
Contract Administration	0	200	0	0	66	
Constr. Engineering	0	10	92	0	0	
Total Hours:	0	210	92	0	66	
Total Costs:	\$0	\$30,505	\$8,518	\$0	\$3,425	\$42,448

Attachment 6 - Budget
VCWWD1 Recycled Water System, Phase II (C-7)
O & M

Annual O&M for existing RW system						
Item*	Admin	Operations	Maintenance	Replacement	Other	Total
Labor	\$ 10,000		\$ 170,560			
power		\$ 25,367				
chem		\$ 146,383				
Total \$/yr	\$ 10,000	\$ 171,750	\$ 170,560	\$ -	\$ -	\$ 352,310
Annual O&M for incremental RW system						
Item*	Admin	Operations	Maintenance	Replacement	Other	Total
			\$ 5,000			
				\$ 22,560		
Total \$/yr	\$ -	\$ -	\$ 5,000	\$ 22,560	\$ -	\$ 27,560
* e.g. labor, chemicals, power, etc.						
Fr 5/16/06 e-mail below fr Satya Karra Sachi						
As you are aware the proposed project would be an expansion of an existing system which currently serves one customer namely a Golf Course.						
The avg. daily flows to the treatment plant is around 2.5 MGD. Currently we are treating 1.5 MGD to tertiary levels.						
The treatment plant is owned and operated by the Ventura County Waterworks District, the legal entity.						
Existing System:						
	Admin:.....		10,000.00			
	Operations		25,367.00	(Power)		
			146,383.00	(Chemicals)		
	Maintenance:		170,560.00	(One Man Yr.)		
Proposed System: Consists of 3000 LF of pipeline and a 1.5MG storage tank.						
	Admin:	Minimal				
	Operations:	0				
	Maintenance:....	5,000.00				
	Replacement: ...	22,560.00	(Assuming a 75 yr life for pipe and tank)			

Attachment 6 - Budget

**Calleguas Creek Watershed Arundo/Tamarisk Programmatic EIR/EA, Permits and Pilot Removal Project (C-10)
Summary and Back-up**

Fr 5/5/06

Table B-1 – Budget, 2005 dollars (Breakdown)							
Proposal Title: <u>Watersheds Coalition of Ventura County</u>							
Project Title: <u>Calleguas Creek Watershed Arundo/Tamarisk Programmatic EIR/EA, Permits, and Pilot Removal Project</u>							
Budget Category		Other State Funds ¹	Non-State Share (Funding Match)	Requested Grant	Total	% Funding Match	
(a)	Direct Project Administration Costs	\$0	\$0	\$45,000	\$45,000		
(b)	Land Purchase/Easement	\$0	\$0	\$0	\$0		
(c)	Planning/Design/Engineering/Environmental Documentation	\$0	\$190,000	\$625,000	\$815,000		
(d)	Construction/Implementation	\$0	\$45,000	\$280,000	\$325,000		
(e)	Environmental Compliance/ Mitigation/ Enhancement	\$0	\$0	\$0	\$0		
(f)	Construction Administration	\$0	\$0	\$80,000	\$80,000		
(g)	Other Costs	\$0	\$60,000	\$50,000	\$135,000		
(h)	Construction/Implementation Contingency	\$0	\$0	\$75,000	\$50,000		
(i)	Grand Total	\$0	\$295,000	\$1,155,000	\$1,450,000		
(j)	Calculation of Funding Match %		\$295,000		\$1,450,000	20%	
Sources of Funds for Non-State Share (Funding Match) and Other State Funds		U.S. Fish and Wildlife Service				\$30,000.00	
		National Marine Fisheries Service				\$20,000.00	
		U.S. Army Corps of Engineers				\$30,000.00	
		USDA Natural Resources Conservation Service				\$50,000.00	
		Regional Water Quality Control Board				\$20,000.00	
		Ventura County Public Works Agency				\$20,000.00	
		Conejo Open Space Conservation Agency				\$20,000.00	
		City of Thousand Oaks				\$10,000.00	
		City of Simi Valley				\$10,000.00	
		City of Camarillo				\$10,000.00	
		Calleguas Watershed Management Committee				\$25,000.00	
		Santa Monica Mountains Resource Conservation District				\$5,000.00	
Ventura County Resource Conservation District				\$45,000.00			

Attachment 6 - Budget
Calleguas Creek Watershed Arundo/Tamarisk Programmatic EIR/EA, Permits and Pilot Removal Project (C-10)
Summary and Back-up

Table B-1 – Budget, 2005 dollars (Breakdown)							
Proposal Title: <u>Watersheds Coalition of Ventura County</u>							
Project Title: <u>Calleguas Creek Watershed Arundo/Tamarisk Programmatic EIR/EA, Permits, and Pilot Removal Project</u>							
#	Budget Category	Other State Funds ¹	Non-State Share (Funding Match)	Hours	Rate	Requested Grant Funding	Total
(a)	Direct Project Administration Costs	\$0.00	\$0.00			\$45,000.00	\$45,000.00
	Expenses					\$40,000.00	
	Travel					\$5,000.00	
(b)	Land Purchase/Easement	\$0.00	\$0.00			\$0.00	\$0.00
(c)	Planning/Design/Engineering/Environmental Documentation	\$0.00	\$190,000.00			\$625,000.00	\$815,000.00
	Project Manager			3,400	\$60.00	\$204,000.00	
	Technical Specialist*			4,210	\$60.00	\$252,600.00	
	Senior Technical Specialist*			1,300	\$100.00	\$130,000.00	
	Clerical/Accounting			960	\$40.00	\$38,400.00	
(d)	Construction/Implementation	\$0.00	\$45,000.00			\$280,000.00	\$325,000.00
	Agricultural Biologist			624	\$80.00	\$49,920.00	
	Pest Control Worker			624	\$50.00	\$31,200.00	
	Weed Abatement Worker			624	\$40.00	\$24,960.00	
	ATV Nurse Rig			624	\$10.00	\$6,240.00	
	Dump Truck			624	\$25.00	\$15,600.00	
	Chipper			624	\$50.00	\$31,200.00	
	Aquamaster (gallons)			790	\$150.00	\$118,500.00	
	Activator 90 (gallons)			119	\$20.00	\$2,380.00	
(e)	Environmental Compliance/Mitigation/Enhancement	\$0.00	\$0.00			\$0.00	\$0.00
(f)	Construction Administration	\$0.00	\$0.00			\$80,000.00	\$80,000.00
	Project Manager			300	\$60.00	\$18,000.00	
	Technical Specialist*			334	\$60.00	\$20,040.00	
	Senior Technical Specialist*			400	\$100.00	\$40,000.00	
	Clerical/Accounting			49	\$40.00	\$1,960.00	
(g)	Other Costs	\$0.00	\$60,000.00			\$75,000.00	\$135,000.00
	Overhead		\$45,000.00				
	CCARP Permit Fees					\$15,000.00	
	Pilot Project Permit Fees					\$10,000.00	
	PAEP, MP, QAPP, Water Quality Monitoring		\$15,000.00				
	Project Manager			90	\$60.00	\$5,400.00	
	Technical Specialist*			146	\$60.00	\$8,760.00	
	Senior Technical Specialist*			310	\$100.00	\$31,000.00	
	Clerical/Accounting			121	\$40.00	\$4,840.00	
(h)	Construction/Implementation Contingency	\$0.00	\$0.00			\$50,000.00	\$50,000.00
(i)	Grand Total	\$0.00	\$295,000.00			\$1,155,000.00	\$1,450,000.00

* Technical Specialist in Wildlife Biology, Botany, Pesticides, Regulatory, GIS, Planning, Water Quality, Air Quality, or other specialty as needed

Attachment 6 - Budget
Simi Valley Tapo Canyon Water Treatment Plant (C-11)
Summary and Back-up

Table B-1 - Budget					
Proposal Title: <u>Watersheds Coalition of Ventura County</u>					
Project Title: <u>Tapo Canyon Water Treatment Plant</u>					
Budget Category	Other State Funds	Non-State Share (Funding Match)	Requested Grant Funding	Total	% Funding Match
(a) Direct Project Administration Costs		53,000		53,000	
(b) Land Purchase/Easement		0		0	
(c) Planning/Design/Engineering/Environmental Documentation		50,000		50,000	
(d) Construction/Implementation (1) (2) (3)	121,020	2,055,980	1,500,000	3,677,000	
(e) Environmental Compliance/Mitigation/Enhancement		50,000		50,000	
(f) Construction Administration		203,000		203,000	
(g) Other Costs		0		0	
(h) Construction/Implementation Contingency		190,000		190,000	
(i) Grand Total [Sum rows (a) through (h) for each column]	121,020	2,601,980	1,500,000	4,223,000	
(j) Calculation of Funding Match % (Used in Funding Match Scoring Criterion) <i>Optional for individual component projects.</i>					62%

SOURCES OF FUNDS FOR NON-STATE SHARE (FUNDING MATCH) AND OTHER STATE FUNDS:

1. Federal Emergency Management Agency Grant
2. Proposition 50, Chapter 4b (pending)
3. Ventura County Waterworks District Capital Improvement Program
4. Metropolitan Water District - Local Resources Project Grant (for O&M only)

NOTES REGARDING BUDGET CATEGORIES

a District: 1.5 yr x 52 wk/yr x 1 manday/wk x 8hr/manday x \$50/hr x 1.7 for allocations = \$53,000

c RBF cost for updated design, plans, and specifications: \$50,000

d RBF cost estimate (7/2001) to construct TCWTP: \$3,256,000 (includes contingency); increased to \$3,867,000 for inflation to 6/2006 at 3.5% compounded.

e Consultant costs: \$50,000

f Consultant inspection: \$150,000 ; District contract administration: 1.5 yr x 52 wk/yr x 1 man day/wk x 8hr/day x \$50/hr x x 1.7 = \$53,000

h See Note d.

Attachment 6 - Budget
Simi Valley Tapo Canyon Water Treatment Plant (C-11)
O & M

Annual O&M for incremental RW system

Item	Admin	Operations	Maintenance	Replacement	Other	Total
Nano-Filtration Power	-	42,000	-	-	-	42,000
Nano-Filtration Labor	10,000	90,000	-	-	-	100,000
Well Pumping	-	70,000	-	-	-	70,000
Total \$/yr	10,000	202,000	-	-	-	212,000

Reference: From Simi Valley Economic Analysis, 2005

Attachment 6 - Budget
EI Rio Forebay Groundwater Contaminant Elimination Project, Phase 7 (SC-1)
Summary and Back-up

Budget Category		Other State Funds	Non-State Share (Funding Match)	Requested Grant Funding	Total	% Funding Match	Distribution
(a)	Direct Project Administration Costs	0	\$0	\$10,000	\$10,000	0%	0.30%
(b)	Land Purchase/Easement	0	\$0	\$0	\$0	NA	0.00%
(c)	Planning/Design/Engineering/ Environmental Documentation	0	\$0	\$5,000	\$5,000	0%	0.15%
(d)	Construction/Implementation	0	\$48,960	\$2,802,690	\$2,851,650	2%	85.55%
(e)	Environmental Compliance/ Mitigation/Enhancement	0	\$0	\$0	\$0	0%	0.00%
(f)	Construction Administration	0	\$0	\$233,310	\$233,310	0%	7.00%
(g)	Other Costs	0	\$0	\$0	\$0	0%	0.00%
(h)	Construction/Implementation Contingency	0	\$233,310	\$0	\$233,310	100%	7.00%
(i)	Grand Total (Sum rows (a) through (h) for each column)	\$0.00	\$282,270	\$3,051,000	\$3,333,270	8%	100.00%
(j)	Calculation of Funding Match %					8%	
Sources of Funds for Non-State Share Funding							
Staff Position							
	Eng. Mgr.	Engr. IV	Engr. III	Engr. II	Tech Spec		
	Hourly Rate	\$76.93	\$82.86	\$92.59	\$51.90		
	TASKS	(No. Hrs.)	(No. Hrs.)	(No. Hrs.)	(No. Hrs.)		
(a)	Direct Project Administration Costs	20	40	20	10	28	
(b)	Land Purchase/Easement						
(c)	Planning/Design/Engineering/ Environmental Documentation	10	20	10	5	14	
(d)	Construction/Implementation						
(e)	Environmental Compliance/ Mitigation/Enhancement						
(f)	Construction Administration	200	400	200	100	168	
(g)	Other Costs						
(h)	Construction/Implementation Contingency						
Total Hours:		230	460	230	115	209	
Total Costs:		\$33,410	\$35,388	\$19,058	\$10,648	\$10,871	
Staff Position							
	Consultant	Low Bid					
	Hourly Rate	Vendor	Contractor	Total Cost			
	TASKS	(LS)	(LS)				
(a)	Direct Project Administration Costs			\$ 10,000			
(b)	Land Purchase/Easement			\$ -			
(c)	Planning/Design/Engineering/ Environmental Documentation			\$ 5,000			
(d)	Construction/Implementation		2851650	\$ 2,851,650			
(e)	Environmental Compliance/ Mitigation/Enhancement			\$ -			
(f)	Construction Administration	138750		\$ 233,310			
(g)	Other Costs			\$ -			
(h)	Construction/Implementation Contingency	233310		\$ 233,310			
Total Hours:							
Total Costs:		\$372,060	\$2,851,650	\$ 3,333,270			
(a) Direct Project Administration Costs							
(Identify Catagories)							
	Project Management				Match	Grant	
					\$0	\$10,000	
	Sub Total				\$0	\$10,000	
Notes:							
	-	See Breakdown of Hours Below.					

Attachment 6 - Budget
EI Rio Forebay Groundwater Contaminant Elimination Project, Phase 7 (SC-1)
Summary and Back-up

HOURLY BREAKDOWN:						
PERSONNEL:						
		Hourly Rate	Hours	Total		
	Engineer Manager III	\$145.26	20	\$2,905.20		\$ 10,000
	Engineer IV	\$76.93	40	\$3,077.20		\$ -
	Engineer III	\$82.86	20	\$1,657.20		\$ -
	Engineer II	\$92.59	10	\$925.90		\$ -
	Tech Spec	\$51.90	28	\$1,453.20		\$ -
			118	\$10,018.70		\$10,000
(c)	Planning/Design/Engineering/Env. Docs. Category					
		Match	Grant	Cost		
	Preliminary Design			\$ -		
	Final Design / Revisions / Bidding	\$ -	\$ 5,000	\$ 5,000		
	Environmental Documentation (Other)			\$ -		
	(Other)					
	Subtotal	\$ -	\$ 5,000	\$ 5,000		
	Notes:					
	-		See Breakdown of Hours Below.			
HOURLY BREAKDOWN:						
PERSONNEL:						
		Hourly Rate	Hours	Total		
	Engineer Manager III	\$145.26	10	\$1,452.60		
	Engineer IV	\$76.93	20	\$1,538.60		
	Engineer III	\$82.86	10	\$828.60		
	Engineer II	\$92.59	5	\$462.95		
	Tech Spec	\$51.90	14	\$726.60		
			59	\$5,009.35		
(d) CONSTRUCTION/IMPLEMENTATION						
	Construction/Implementation	# of units	unit	Match	Grant	Extended Price
	Contractor Low Bidder	1	LS	\$48,960	\$2,802,690	\$2,851,650
			Total	\$48,960	\$2,802,690	\$2,851,650
Notes:	As with all cost estimates, the contingency is based on the level of accuracy of the estimate and historical cost data. When applying these considerations to the subject project, we can expect the project cost to be between 3% under and 7% over the cost estimate. For budgeting purposes, it is considered good practice to assume the 7% cost overrun as the contingency.					
	Provide detailed breakdown by bid item, phase, etc. if available.					
	Fr 5/16/06 e-mail					
ENGINEER'S ESTIMATE						
VENTURA COUNTY PUBLIC WORKS AGENCY				Sheet	1	
Project	EI Rio Forebay GCEP - Phase 7 (Prop 50)	Job No.		Filename	sewer.xls	
Item	Sewer Collection System	Prepared By		Date Prepared	4-Aug-05	
		Checked By	NB	Date Printed	27-Jun-06	
1	Mobilization	1	LS	\$150,000	\$150,000	
2	Excavation and Trench Safety	1	LS	\$250,000	\$250,000	
3	Traffic Control	1	LS	\$200,680	\$200,680	
4	8" Sewer Pipe 5-10 ft. deep	5253	LF	\$150	\$787,950	
5	8" Sewer Pipe 10-15 ft. deep	2625	LF	\$170	\$446,250	
6	48" diameter manholes	24	EA	\$12,500	\$300,000	
7	60" diameter manholes	3	EA	\$18,500	\$55,500	
8	4" sewer laterals within public right of way	202	EA	\$2,700	\$545,400	
9	Connection to Existing Manhole	4	EA	\$4,000	\$16,000	
10	SWPPP	1	LS	\$100,000	\$100,000	
	Construction Cost				\$2,851,780	
	Construction Engineering				\$ 481,620	
	Total Project Cost				\$ 3,333,400	

Attachment 6 - Budget
El Rio Forebay Groundwater Contaminant Elimination Project, Phase 7 (SC-1)
Summary and Back-up

(f) Construction Administration					
Vendors/Names/Personnel	Match	Grant	Subtotal		
Construction Management/Agency		\$77,700	\$77,700		
Construction Inspection/Consultant		\$111,000	\$111,000		
Materials Testing/Consultant		\$27,750	\$27,750		
Construction Engineering/Agency		\$16,860	\$16,860		
Subtotal		\$0	\$233,310	\$233,310	
Staff Position:	Eng. Mgr III	Eng. IV	Eng. III	Eng. II	Tech. Spec. IV
Hourly Rate:	\$145.26	\$76.93	\$82.86	\$92.59	\$51.90
Tasks:			(Number of Hours)		
Total Hours:	200	400	200	100	168
Total Costs:	\$29,052.00	\$30,772.00	\$16,572.00	\$9,259.00	\$8,719.20
(h) Construction Contingency					
Vendor/Personnel	Match	Grant	Subtotal		
Contractor Low Bidder	233,310	0	233,310		
Subtotal	\$ 233,310	\$ -	\$ 233,310		

Attachment 6 - Budget
El Rio Forebay Groundwater Contaminant Elimination Project, Phase 7 (SC-1)
O & M

Proposed (Project SC-1)

Admin: 5k

Operations: 32k

Maintenance: 6k

Replacement: 44k

Total: 87k

Ref: From Ventura County, May 2006

Attachment 6 - Budget
Oxnard Forebay Groundwater Contaminant Elimination Project, College Park Phase (SC-2)
Summary and Back-up

Fr 5/15/06

	Budget Category	Non-State Share (Funding Match)	Requested Grant Funding	Total	% Funding Match
(a)	Direct Project Administration Costs	\$0	\$0	\$0	0.0%
(b)	Land Purchase/Easement	\$0	\$0	\$0	0.0%
(c)	Planning/Design/Engineering/Environmental Documentation (1)	\$140,798	\$0	\$140,798	0.0%
(d)	Construction/Implementation (2)	\$0	\$3,050,000	\$3,050,000	0.0%
(e)	Environmental Compliance/Mitigation/Enhancement	\$0	\$0	\$0	0.0%
(f)	Construction Administration (3)	\$300,014	\$0	\$300,014	0.0%
(g)	Other Costs *	\$0	\$0	\$0	0.0%
(h)	Construction/Implementation Contingency (2)	\$100,064	\$0	\$100,064	0.0%
(i)	Grand Total (Sum rows (a) through (h) for each column)	\$540,876	\$3,050,000	\$3,590,876	15.1%
(j)	Calculation of Funding Match %				15.1%

Notes:

- (1) - Refer to Table 1 for labor effort; Planning/Design/Engineering/Environmental Documents are by Penfield & Smith, Consultant
- (2) - Refer to Table 2 for Construction estimates and Contingency
- (3) - Refer to Table 1 for labor effort; Construction Administration effort is by Penfield & Smith, Consultant

TABLE 1 Planning/Design/Engineering/Environmental Documentation Labor Effort							
	Staff Position Hourly Rate	Principal Eng \$160.00	Senior Eng \$140.00	Assoc. Eng \$109.00	Designer \$93.00	Assoc. Tech \$72.00	Admin \$62.00
TASKS							
(a)	Direct Project Administration Costs	0	0	0	0	0	0
(b)	Land Purchase/Easement	0	0	0	0	0	0
(c)	Planning/Design/Engineering/Environmental Documentation (1)	80	240	240	320	320	249
(d)	Construction/Implementation	0	0	0	0	0	0
(e)	Environmental Compliance/Mitigation/Enhancement	0	0	0	0	0	0
(f)	Construction Administration (2)	20	80	120	120	120	547
(g)	Other Costs	0	0	0	0	0	0
	Contingency						
	Total						

Attachment 6 - Budget
Oxnard Forebay Groundwater Contaminant Elimination Project, College Park Phase (SC-2)
Summary and Back-up

TABLE 1 (cont')							
Planning/Design/Engineering/Environmental Documentation Labor Effort							
	Staff Position Hourly Rate TASKS	Office Eng \$85.00	Senior Insp \$88.00	Inspector \$75.00	Total Labor Cost	Other Costs	Total Costs
(a)	Direct Project Administration Costs	0	0	0	\$0		\$0
(b)	Land Purchase/Easement	0	0	0	\$0		\$0
(c)	Planning/Design/Engineering/Environmental Documentation (1)	0	0	0	\$140,798		\$140,798
(d)	Construction/Implementation	0	0	0	\$0	\$3,050,000	\$3,050,000
(e)	Environmental Compliance/Mitigation/Enhancement	0	0	0	\$0		\$0
(f)	Construction Administration (2)	580	1040	1040	\$300,014		\$300,014
(g)	Other Costs	0	0	0	\$0		
	Contingency					\$100,064	\$100,064
	Total				\$440,812	\$3,150,064	\$3,590,876

Notes:

(1) - Planning/Design/Engineering/Environmental Documents are by Penfield & Smith, Consultant

(2) - Construction Administration effort is by Penfield & Smith, Consultant

TABLE 2					
Construction Estimates					
Item	Description	Unit	Quantity	Unit Cost	Cost
1	Construction Estimates				
	- Mobilization	LS	1	\$ 232,222	\$ 232,222
	- Trench Safety & Shoring	LS	1	\$ 200,000	\$ 200,000
	- Traffic Control	LS	1	\$ 80,000	\$ 80,000
	- Trench Stabilization	LS	1	\$ 32,000	\$ 32,000
	- SWPPP	LS	1	\$ 16,000	\$ 16,000
	- 8" PVC Pipe 5' to 10' Deep	LF	3,935	\$ 147	\$ 576,478
	- 8" PVC Pipe 10' to 15' Deep	LF	6,020	\$ 165	\$ 993,300
	- 48" Manholes 5' to 12' Deep	EA	30	\$ 9,700	\$ 291,000
	- 48" Manholes >12' Deep	EA	4	\$ 8,000	\$ 32,000
	- 60" Manhole >12' Deep	EA	1	\$ 14,000	\$ 14,000
	- 4" PVC Sewer Lateral	EA	277	\$ 2,000	\$ 554,000
	- Tie-in to Existing Sewers	LS	1	\$ 29,000	\$ 29,000
	Subtotal				\$ 3,050,000
2	Contingency				\$ 100,064
	Total				\$ 3,150,064

Attachment 6 - Budget
Oxnard Forebay Groundwater Contaminant Elimination Project, College Park Phase
(SC-2)
O & M

OPERATION & MAINTENANCE COSTS			
Staff Position	Manager	Maint. Labor	Total Cost
Hourly Rate	\$85.00	\$68.00	
Tasks			
Annual Sewer Cleaning	10	106	\$8,024.00
Total			\$8,024.00

**Attachment 6 - Budget
Fillmore Integrated Water Recycling and Wetlands Project, Phase II-A (SC-3)
Summary and Back-up**

Fr 5/16/06 for Ph II-A only

	Budget Category	Other State Funds¹	Non-State Share (Funding Match)	Requested Grant Funding	Total	% Funding Match
a	Direct Project Administration Costs	\$0	\$75,000	\$0	\$75,000	100.0%
b	Land Purchase/Easement	\$0	\$0	\$0	\$0	n/a
c	Planning/Design/Engineering/ Environmental Documentation	\$0	\$520,140	\$0	\$520,140	n/a
d	Construction/Implementation	\$0	\$6,000,000	\$3,050,000	\$9,050,000	66.3%
e	Environmental Compliance/ Mitigation/Enhancement	\$0	\$0	\$0	\$0	n/a
f	Construction Administration	\$0	\$300,000	\$0	\$300,000	100.0%
g	Other Costs	\$0	\$0	\$0	\$0	n/a
h	Construction/Implementation Contingency	\$0	\$600,000	\$0	\$600,000	100.0%
I	Grand Total (Sum rows (a) through (h) for each column)	\$0	\$7,495,140	\$3,050,000	\$10,545,140	71.1%
j	Calculation of Funding Match % (Used in Funding Match Scoring Criterion) <i>Optional for individual component projects.</i>	N/A				71.1%
Sources of Funds for Non-State Share (Funding Match) and Other State Funds		Source of funds: Local revenue sources from City's water and sewer enterprise funds and Revenue Bonds issued by the City of Fillmore secured by the water and sewer enterprise funds received from the users of the City of Fillmore water and sewer enterprises (residential, commercial, and industrial system users)				

Budget Detail

City Of Fillmore IWRWP Phase II-A

Project Administration

	hrs	Phase II-A
City Mgr	75	\$ 6,525
PW Director	300	\$ 25,500
Finance Director	75	\$ 6,225
Financial Consultant	45	\$ 9,000
Engineering Consultant	75	\$ 13,875
Legal Ass't re: contracts	45	\$ 11,250
		\$ 72,375
Other Misc Costs/Travel & Expenses		\$ 2,625
Total Project Admin		\$ 75,000

Attachment 6 - Budget
Fillmore Integrated Water Recycling and Wetlands Project, Phase II-A (SC-3)
Summary and Back-up

Land Purchase/Easement

None Required for pipelines (Transmission & Distribution)
 None Required for Recycled Water Irrigation Systems
 Easements in City of Fillmore Donated by City
 Cal-Trans Easements by Encroachment Permits

Planning/Design/Engineering Documents and Environmental 0
Environmental = Sunk Cost, No Reimbursement Requested 0
Engineering Planning = Sunk Cost, No Reimbursement Requested 0

Design Engineering

Design Engineers	\$185 hr	390 hrs	\$72,150
Associate Engineers	\$165 hr	875 hrs	\$144,375
Assistant Engineers	\$125 hr	765 hrs	\$95,625
CADD Drafting	\$110 hr	1309 hrs	\$143,990
Geotechnical Engineering Consultant	LS	LS	\$24,000
Supplies/prints/reproduction	LS	40000	\$40,000
			\$520,140

Construction Administration - Phase II-A

FIWRWP

Construction Administration			
\$6,000,000 15% of Total			
City PW Staff	\$87 hr	150 hrs	\$13,050
Engineering Project Manager	\$170	195	\$33,150
Design Engineering During			
Construction	\$140	180	\$25,200
Sr. Resident Project Representative	\$730	107	\$78,100
Resident Inspectors	\$1,440	90	\$129,600
Survey to confirm work of contractor	LS		\$10,000
Mileage, supplies, equipment			\$10,900
			\$300,000

Attachment 6 - Budget
Fillmore Integrated Water Recycling and Wetlands Project, Phase II-A (SC-3)
Summary and Back-up

Effluent Disposal Construction Cost Estimate

Item	North & South of SR-126	Description of facility cost item
Phase II-A		
River Park	\$30,000	Lump sum to modify from potable to recycled water
C St Park SDI	\$1,800,000	12 ac. @ \$150,000/ ac. to install SDI w/ Controllers Soils & turf
HVP - Phase 1A SDI	\$95,000	Shared facility 12" pipeline \$ 625k, +\$300k pump station \$200K
HVP - Phase 1B SDI	\$840,000	Permitting and miscellaneous project features
HVP - Phase 2 SDI	\$52,000	" " " "
Sespe Elementary School (SDI)	\$420,000	2.8 ac. @ \$150,000/ ac. To put in SDI w/ Controllers Soils & turf
Sespe Elementary School (Turf)	\$98,000	\$35,000 /ac. Turf repair/replacement/reseeding after SDI installation
San Cayetano Elementary School (SDI)	\$615,000	4.1 ac. @ \$150,000/ ac. To put in SDI w/ Controllers Soils & turf
San Cayetano Elementary School (Turf)	\$143,500	\$35,000 /ac. Turf repair and replacement after SDI installation
Fillmore Middle School (SDI)	\$840,000	5.6 ac. @ \$150,000/ ac. To put in SDI w/ Controllers Soils & turf
Fillmore Middle School (Turf)	\$196,000	\$35,000 /ac. Turf repair and replacement after SDI installation
Fillmore High School (SDI)	\$900,000	6.0 ac. @ \$150,000/ ac. To put in SDI w/ Controllers Soils & turf
F.H.S. Ball Fields (SDI)	\$855,000	5.7 ac. @ \$150,000/ ac. To put in SDI w/ Controllers Soils & turf
F.H.S. Ball Fields (Turf)	\$199,500	\$35,000 /ac. Turf repair and replacement after SDI installation
Existing WWTP Plant Site Gravel Bed SDI	\$525,000	3.5 ac. @ \$150,000/ ac. To put in SDI w/ Controllers Soils & turf
Recycled Water Distribution Pipeline (Section A)	\$630,000	3875 ft. 18" @ \$125/ft. with paving and utilities @ ~\$37.60 ft.
Recycled Water Distribution Pipeline (Section B)	\$471,000	2900 ft. 18" @ \$125/ft. with paving and utilities @ ~\$37.40 ft.
Existing greenbelts & landscaping (2.0 acres)	\$300,000	2.0 ac. @ \$150,000/ ac. To put in SDI w/ Controllers Soils & turf
Recycled Water Distribution Pipeline (Section C)	\$40,000	Preliminary design and ROW identification
Total Phase II-A	\$9,050,000	
Construction Contingency @ 6.6%	\$600,000	

Attachment 6 - Budget
Fillmore Integrated Water Recycling and Wetlands Project, Phase II-A (SC-3)
O & M

Name	Total Construction Cost	O&M Admin / yr	O&M Operation / yr
SC-3: Fillmore Integrated Water Recycling and Wetlands Project			
RW - Phase II-A (Prop 50 Chap 8 Grant Request)	\$9,050,000	\$14,500	\$261,400

**Attachment 6 - Budget
Ventura River Watershed Protection Project (V-1)
Summary and Back-up**

Fr 06/06/06 with adjustments to move CEQA to correct place, and resolve

Table B-1 – Budget						
Project Title: Ventura River Watershed Protection Project						
Budget Category		Other State Funds[1]	Non-State Share (Funding Match)	Requested Grant Funding	Total	% Funding Match
(a)	Direct Project Administration Costs		\$16,500	\$81,000	\$97,500	17%
(b)	Land Purchase/Easement					
(c)	Environmental Documentation		\$368,000	\$600,000	\$968,000	38%
(d)	Construction/Implementation		\$53,500	\$794,538	\$848,038	6%
(e)	Environmental Compliance/Mitigation/Enhancement					
(f)	Construction Administration		\$15,000		\$15,000	100%
(g)	Other Costs		\$70,000		\$70,000	100%
(h)	Construction/Implementation Contingency			\$70,000	\$70,000	0%
(i)	Grand Total (Sum rows (a) through (h) for each column)		\$523,000	\$1,545,538	\$2,068,538	25%
(j)	Calculation of Funding Match % (Used in Funding Match Scoring Criterion)					25%

Staff Labor

Staff Position	Mgr of Eng	PM	Eng/Biol	Admin
Hourly Rate	\$145.00	\$125.00	\$100.00	\$48.00
TASKS				
(a) Direct Project/Admin Costs	\$2,475	\$10,625	\$925	\$2,475
(b) Land Purchase/Easement	-	-	-	-
(c) Planning/Design/Engineering/Environmental Documentation	\$20,000	\$65,000	\$235,000	\$48,000
(d) Construction/Implementation	\$3,300	\$31,100	\$8,900	\$10,200
(e) Environmental Compliance/Mitigation/Enhancement				
(f) Construction Admin	\$750	\$2,250	\$9,750	\$2,250
(g) Other Costs	\$2,900	\$11,500	\$46,000	\$9,600
(h) Construction/Implementation Contingency				

Staff Position	Subtotal	Other Costs	Total
Hourly Rate			
TASKS			
(a) Direct Project/Admin Costs	\$16,500	\$81,000	\$97,500
(b) Land Purchase/Easement	-	-	\$0
(c) Planning/Design/Engineering/Environmental Documentation	\$368,000	\$600,000	\$968,000
(d) Construction/Implementation	\$53,500	\$794,538	\$848,038
(e) Environmental Compliance/Mitigation/Enhancement		\$0	\$0
(f) Construction Admin	\$15,000	\$0	\$15,000
(g) Other Costs	\$70,000	\$0	\$70,000
(h) Construction/Implementation Contingency		\$70,000	\$70,000
Total	\$523,000	\$1,545,538	\$2,068,538

Attachment 6 - Budget
Ventura River Watershed Protection Project (V-1)
Summary and Back-up

List of sources for matching funding and estimated funding

Ventura County Watershed Protection District \$253,500
National Resource Conservation Service \$200,000

(c) Planning/Design/Engineering/Environmental Documentation	Other State Funds[1]	Non-State Share (Funding Match)	Requested Grant Funding	Total	% Funding Match
-1 Data Gap Study		\$80,000		\$80,000	100%
-2 Hydrology/Water Quality		\$45,000	\$355,000	\$400,000	13%
-3 Water Supply Base line/ Plan Formulation		\$20,000	\$80,000	\$100,000	25%
-4 Surface Water Modeling Base line/Plan Formulation		\$200,000		\$200,000	100%
-5 Watershed Plan Documentation & Report		\$13,000	\$75,000	\$88,000	17%
-4 CEQA for Arundo		\$10,000	\$90,000	\$100,000	11%
-6 Totals		\$368,000	\$600,000	\$968,000	40%

(d) Construction/Implementation	Other State Funds[1]	Non-State Share (Funding Match)	Requested Grant Funding	Total	% Funding Match
-1 Surface Water Quality Monitoring Implementation		\$20,000	\$80,000	\$100,000	25%
-2 Groundwater Monitoring Wells		\$9,000	\$81,000	\$90,000	11%
-3 Arundo Removal Implementation Project		20000	\$608,038	\$628,038	0%
-4 Watershed Council website		\$4,500	\$25,500	\$30,000	20%
-5 Totals		\$53,500	\$794,538	\$848,038	5%

(f) Construction Admin	Other State Funds[1]	Non-State Share (Funding Match)	Requested Grant Funding	Total	% Funding Match
-1 Project Implementation		\$15,000			100%
-2 Totals		\$15,000			100%

(g) Other Costs	Other State Funds[1]	Non-State Share (Funding Match)	Requested Grant Funding	Total	% Funding Match
-1 Survey Mapping (LIDAR) *,***		\$70,000			100%
-2 Totals		\$70,000			100%

**Attachment 6 - Budget
Ventura River Watershed Protection Project (V-1)
Summary and Back-up**

(h) Construction/Implementation Contingency	Other State Funds[1]	Non-State Share (Funding Match)	Requested Grant Funding	Total	% Funding Match
-1 Identified Projects			\$70,000		0%
-2 Totals			\$70,000		0%

Fr 5/16/06

**Project 1: Surface Water Quality Monitoring Budget
2 stations, 8 monitoring events for priority pollutants**

Activity/Object	Cost
<u>LABOR</u>	
Data Mgmt	\$1,000
Field Reconnaissance	\$200
Equip O&M	\$8,500
Collection of Monitoring	\$1,000
Collection of Water Quality	\$3,500
Contract Prep	\$1,000
Work Plan Development	\$1,000
Field Monitoring	\$300
Hydrometeorologic Instr	\$10,000
Hydrometeorologic Instr	\$3,000
Collection of Hydromet Data	\$8,000
SUB TOTAL	\$37,500
<u>SUPPLIES & SERVICES</u>	
Hydrology Supplies	\$500
Maintenance Supplies	\$1,000
Lab Services	\$55,000
Small tools & Instruments	\$1,000
Minor Equip - Other	\$5,000
SUB TOTAL	\$62,500
PROJECT TOTAL	\$100,000

Data Source:

Matilja Dam Water Quality Monitoring Project - #11036

National Fish & Wildlife Foundation Agreement #2001-0297-007

**Attachment 6 - Budget
Ventura River Watershed Protection Project (V-1)
Summary and Back-up**

Fr 5/16/06

**Project 2: Ojai Basin Groundwater Monitoring Budget
2 wells, 300ft depth - 3 sample events over 1 yr period**

<u>Activity/Object</u>		Cost
<u>CONTRACT & LABOR</u>		
Drill 2 wells - 300 ft deep x \$125/ft		\$75,000
Sampling (3 events)	\$2,000/per sampling event	\$6,000
SUB TOTAL		\$81,000
<u>SERVICES</u>		
Lab Services (3 events)	\$3,000/per sampling event	\$9,000
SUB TOTAL		\$9,000
PROJECT TOTAL		\$90,000
Data Source:		
Dave Panaro: Water Resources Dept (VCWPD)		

Fr 5/18/06

Project 3: Ventura River Arundo Removal Water Supply and Habitat Restoration Project

<u>Activity/Object</u>		Cost
<u>CONTRACT SERVICES</u>		
Contract will include the following:		
Preliminary project size: 46 acres	modify to 42.3 ac	
Labor (160 man-hours per 0.5 acre)		
Equip rental		
SWPCP prep & implementation		
SUB TOTAL		\$608,038
<u>PERMITTING</u>		
CEQA & Permitting (will include vegetation surveys)		
SUB TOTAL		\$100,000 Task 1.2, item (c)
PROJECT TOTAL:		\$708,038

Data Source:
VCWPD Arundo Removal Demo Project
Estimated costs per acre are dependent on percent infestation.
Preliminary surveillance indicates San Antonio Creek is 25-50%
Costs have been estimated to be \$14,730/acre

**Attachment 6 - Budget
San Antonio Spreading Grounds Rehabilitation (V-2)
Summary and Back-up**

Fr 5/1/06

Table B-1 – Budget						
Proposal Title: Watersheds Coalition of Ventura County						
Project Title: SAN ANTONIO CREEK SPREADING GROUNDS REHABILITATION						
	Budget Category	Other State Funds	Non-State Share (Funding Match)	Requested State Share (Grant Funding)	Total	%
(a)	Direct Project Administration Costs		\$ 10,049	\$ -	\$ 10,049	100%
(b)	Land Purchase/Easement		\$ -	\$ 50,000	\$ 50,000	
(c)	Planning/Design/Engineering/Environmental Documentation		\$ 58,499	\$ 132,565	\$ 191,064	31%
(d)	Construction/Implementation		\$ -	\$ 900,069	\$ 900,069	
(e)	Environmental Compliance Mitigation/Enhancement		\$ -	\$ 131,873	\$ 131,873	
(f)	Construction Administration		\$ 40,197	\$ -	\$ 40,197	100%
(g)	Other:		\$ -	\$ -	\$ -	
(h)	Construction/Implementation Contingency		\$ -	\$ 100,493	\$ 100,493	
(i)	Grant Total [Sum (a) through (h) for each column]		\$ 108,746	\$ 1,315,000	\$ 1,423,746	8%
(j)	Calculation of Funding Match %					8%
Source(s) of funds for Non-State Share (Funding Match)		Stakeholders including: Golden State Water Company, Ventura County Watershed Protection District, Ojai Basin Groundwater Management Agency, and Potentially Other Basin Stakeholders				

w/o \$90k of Year 1 O&M

NOTES ON MATCH FUND SOURCES (by Budget Category):

- a) Project Admin is shared by OBGMA and VCWPD.
- b) Easement costs based on 1 acre @ \$50,000/acre
- c) Some of the planning costs bills have already been paid by City of Ojai, GSCWC, OBGMA, etc.
- d) Construction Admin: VCWPD (inspections), OBGMA (fund management)

Attachment 6 - Budget
San Antonio Spreading Grounds Rehabilitation (V-2)
Summary and Back-up

fr 5/23/06

SAN ANTONIO CREEK SPREADING GROUNDS REHABILITATION

PRELIMINARY REVISED BUDGET AMOUNTS

ITEM NUMBER	ITEM	BUDGET AMOUNT	Unit	# Units	Unit Cost	Total	DWR Line item
1	Project/Construction Admin	75000	% of construction	5	\$ 10,049	\$ 50,247	20% in (a) + 80% in (f)
2	Land/Easement Acquisition	50000				\$ 50,000	(b)
3	Project design and studies	100000	% of construction	12	\$ 10,049	\$ 120,592	(c)
4	CEQA process	25000				\$ 40,397	(c)
5	Permit acquisitions	30000				\$ 30,075	(c)
6	DDM Well	150000	LS	1	\$ 150,000	\$ 150,000	(d)
7	Basin Excavation & Rehabilitation	250000	CY	11500	\$ 28	\$ 319,728	(d)
7(a)	Aquifer Recharge "Dry Wells"	0	CY	2	\$ 30,000	\$ 60,000	(d)
8	Repair Diversion	100000	LS	1	\$ 77,879	\$ 77,879	(d)
9	Intake Structure	250000	LS	1	\$ 260,626	\$ 260,626	(d)
10	Rehab Channel and pipes	30000	LS	1	\$ 31,837	\$ 31,837	(d)
11	Fish Passage Improvements	100000	LS	1	\$ 104,865	\$ 104,865	(e)
12	Revegetation	25000	LS	1	\$ 27,008	\$ 27,008	(e)
13	Inspection, Monitoring, Operation, & Maintenance	90000	LS	1	\$ 90,232	\$ 90,232	O&M
14	Construction Contingency	88000	% of construction	10	\$ 10,049	\$ 100,493	(h)
	TOTAL	1363000				\$ 1,513,977	

Total Capital (minus Item 13) \$ 1,423,746
Total Grant Amount \$ 1,315,000
Total Local Share \$ 108,746

Notes:

% of construction is a percentage of items 6-11

**Attachment 6 - Budget
San Antonio Spreading Grounds Rehabilitation (V-2)
Summary and Back-up**

Item 4: CEQA Process

STAFF/ CONSULTANTS	CEQA Work Tasks	HOURS	RATES	TOTAL
Fish Surveys				
PWA Real Estate Services	Secure Access for Fish Surveys (35 parcels)	105	???	\$0.00
Eng. Mgr. I	Coordination with Agencies/Project Team	8	\$130.83	\$1,046.64
	Field Trip	16	\$130.83	\$2,093.28
	Report	4	\$130.83	\$523.32
Staff Services Spec. I	Coordination with Agencies/Project Team	6	\$96.07	\$576.42
	Field Trip	16	\$96.07	\$1,537.12
	Report	8	\$96.07	\$768.56
Consultant	Field Trip	16	\$125.00	\$2,000.00
	Notes/Coord/Etc.	8	\$125.00	\$1,000.00
	Product Deliverable Report	6	\$125.00	\$750.00
Fish Survey Work Subtotal		193		\$9,797.78
Initial Study Preparation				
Eng. Mgr. I	Oversee IS Checklist Preparation and Approval	8	\$130.83	\$1,046.64
	Coordination with Agencies/Project Team	6	\$130.83	\$784.98
	IS Checklist QA/QC Review and Approval	4	\$130.83	\$523.32
Staff Services Spec. I	Preparation of IS Checklist	8	\$96.07	\$768.56
	Coordination with Agencies/Project Team	6	\$96.07	\$576.42
	Report	4	\$96.07	\$384.28
Initial Study Work Subtotal		36		\$3,906.60
EIR Preparation				
Eng. Mgr. I	Oversee EIR Consultant's Work	10	\$130.83	\$1,308.30
Staff Services Spec. I	Coordination with EIR Consultant	4	\$96.07	\$384.28
Consultant	Project EIR Preparation and Approvals	LS	\$25,000	\$25,000.00
EIR Work Sub-Total				\$26,692.58
Project CEQA Process Work Estimate Totals				\$40,396.96

**Attachment 6 - Budget
San Antonio Spreading Grounds Rehabilitation (V-2)
Summary and Back-up**

Item 5: Permits Acquisition

Permit	Legal Hours	\$/hr	Total Legal Costs	Application Fees
County Grading Permit	8	\$275	\$2,200	Exempt
CWA Section 404 Permit	18	\$275	\$4,950	\$0
Requisite ESA Consultation	12	\$275	\$3,300	\$0
SWRCB Diversion Permit	27	\$275	\$7,425	\$10,000
Contingency	8	\$275	\$2,200	\$0
Sub-Total			20,075.00	10,000.00
Total				30,075.00

Item 6: DDM Well Installation

Continuous Core Drilling, logging and construction, well development:

Drilling Subcontractor - Nest of 4 casings	\$94,000
Geologic oversight and design	\$9,800
Laboratory analysis of soils/aquifer aquitard materials 12 samples, physical properties	\$12,000
Monitoring - 2 years, quarterly, plus data loggers	\$12,800
Equipment and materials	\$9,600
Data management and reporting	\$11,800
Total for DDM Well =	\$150,000

**Attachment 6 - Budget
San Antonio Spreading Grounds Rehabilitation (V-2)
Summary and Back-up**

Item 7: Basin Excavation & Rehabilitation

From Means Heavy Construction Cost Data, 2006

Means Reference	Item	Unit Cost	# of Units
Excavation			
Stripping and Stockpiling (p. 39) 2230 500 1430	6" Deep, 300' haul 200 HP Dozer	\$ 3.60	520
Excavating, bulk bank measure (p. 54) common earth, piled 2315 424 260	2 CY Backhoe, track mounted Loading (at 15% of excavation)	\$ 2.00 \$ 0.30	Daily Output 1040
Hauling			
Excavated or borrow fill, loose CY (p.57) no loading included, highway haulers 2315 490 1255	16.50 CY dump truck, 20 mi RT, 0.4 loads/hr	\$/LCY \$ 16.85	Daily Output LCY 54
		Total per CY = \$ 27.80	
		11,500	\$319,728

Notes:

Loose cubic yards (LCY) are bank cubic yards (BCY) multiplied by 1.3
All Means cost have a 15% adjustment for location/increased fuel costs

Item 7a: Aquifer Recharge "Dry Wells"

Drilling, logging and construction, well development:

Drilling Subcontractor - Conductor casings and gravel envelopes	\$26,000
Geologic oversight and design	\$4,000
Total for AR Well =	\$30,000

Item 8: Diversion Structure

Includes dewatering of the excavation and shoring of excavation (if necessary)

Means Reference	Item	Unit	Unit Cost	# of Units	Item Total
3310 240 6200	Diversion structure Reinforced concrete retaining wall CIP 30' x 2' x 6'	CY	\$ 402.50	26	\$ 10,465
2200 500 1100	Dewatering 6" centrifugal pump	DAY	\$ 1,046.50	42	\$ 43,953
2240 500 2000	24" pipe sump with CMP, gravel	LF	\$ 75.90	6	\$ 455
2250 400 1200	Shoring Sheet piling - steel - 15' drive, extract, salvage	SF	\$ 19.95	300	\$ 5,986
1300 700 120	Construction Oversight Field Engineer	WK	\$ 1,840.00	6	\$ 11,040
1300 700 200	Project Manager	WK	\$ 2,990.00	2	\$ 5,980

Diversion structure sub total = \$ 77,879

**Attachment 6 - Budget
San Antonio Spreading Grounds Rehabilitation (V-2)
Summary and Back-up**

Item 9: Intake Structure

Equivalent to a storm sewer headwall at either end with debris grates and 30' of connecting pipe

- Use of Flowmaster for sizing of piping
- Assuming a 50 cfs flowrate and a 36 inch pipe with a slope of 3%
- For the discharge, use stone wing walls, 5' long
- Includes dewatering of the excavation and shoring of excavation (if necessary)
- For the inlet, similar to the current installation, a catch basin with a bar screen for debris

Means Reference			Item	Unit	Unit Cost	# of Units	Item Total
2630	110	1582	Inlet Curb inlet frame, heavy duty, 24" x 36"	EA	\$ 1,294	2	\$ 2,588
G3030	210	6200	Precast concrete 6' ID, 4' deep, CIP	LS	\$ 3,910	2	\$ 7,820
G3030	310	5520	Outlet 36" pipe, 5' wing walls, \$350/ton stone	LS	\$ 4,444.75	2	\$ 8,890
2630	110	1582	Curb inlet frame, heavy duty	EA	\$ 1,293.75	2	\$ 2,588
2250	400	1200	Shoring Sheet piling - steel - 15' drive, extract, salvage 40 ft long by 6 deep, both sides	SF	\$ 19.95	480	\$ 9,577
2200	500	1100	Dewatering 6" centrifugal pump	DAY	\$ 1,046.50	70	\$ 73,255
2240	500	2000	24" pipe sump with CMP, gravel	LF	\$ 75.90	6	\$ 455
1300	700	120	Construction Oversight Field Engineer	WK	\$ 1,840.00	10	\$ 18,400
1300	700	200	Project Manager	WK	\$ 2,990.00	8	\$ 23,920

Intake sub total = \$ 147,492
Plus 10 cfs piping \$ 113,133
Total Item 9= \$ 260,625

Design Flow cfs	1999 cost/cfs	Our Flow cfs	2006 cost/cfs
40	15645	10	\$ 113,133
10	5349	20	\$ 226,266
12	16617	30	\$ 339,399
26	14400	40	\$ 452,532
28	5274	50	\$ 565,665
42	8642		
29	10649		
58	9620		
40	10649		
13	11889		
40	6439		
13	13834		
32	3757		
10.6	9358		
30	6024		
40	6024		
18.5	4531		
15	11441		
24	8025		
26.6	5808		
27.385	9198.75		

**Attachment 6 - Budget
San Antonio Spreading Grounds Rehabilitation (V-2)
Summary and Back-up**

Item 10: Rehab Channel and pipes

Rehabilitation of channel and pipes
 Use of Flowmaster for sizing of passage
 Assuming a 50 cfs flowrate and a 36 inch pipe with a slope of 3%
 For the inlet, similar to the current installation, a catch basin with a bar screen for debris
 For the discharge, use stone wing walls, 5' long
 Includes dewatering of the excavation and shoring of excavation (if necessary)

Means			Item	Unit	Unit Cost	# of Units	Item Total
Reference							
			Pipe				
G1030	805	4030	Trench 6' x 6'	LF	\$ 21.28	200	\$ 4,255
G1030	815	1700	Bedding, 6' wide	LF	\$ 10.26	200	\$ 2,052
2600	510	2180	36" 12 gauge corrugated	LF	\$ 94.30	200	\$ 18,860
			Shoring				
2250	400	1200	Sheet piling - steel - 15' drive, extract, salvage 50 ft long by 6 deep, both sides	SF	\$ 19.95	0	\$ -
			Construction Oversight				
1300	700	120	Field Engineer	WK	\$ 1,840.00	2	\$ 3,680
1300	700	200	Project Manager	WK	\$ 2,990.00	1	\$ 2,990

Rehab of pipe/channel sub total = \$ 31,837

**Attachment 6 - Budget
San Antonio Spreading Grounds Rehabilitation (V-2)
Summary and Back-up**

Item 11: Fish Passage Improvements

Assume 1 crossing for fish passage replacement of existing inlet/outlet and pipe

Equivalent to a storm sewer headwall at either end with debris grates and 30' of connecting pipe
Piping will be set with no slope for fish passage and as a result will be relatively large

Use of Flowmaster for sizing of passage
Assuming a 10 cfs flowrate and a 36 inch pipe with an essentially flat slope of 0.05% yields a depth of flow of 1.53 ft at 2.76 ft/s.
Maximum discharge using these assumptions is 20.86 cfs.

For the inlet, similar to the current installation, a catch basin with a bar screen for debris
For the discharge, use stone wing walls, 5' long
Includes dewatering of the excavation and shoring of excavation

Means Reference			Item	Unit	Unit Cost	# of Units	Item Total
2630	110	1582	Inlet				
			Curb inlet frame, heavy duty, 24" x 36"	EA	\$ 1,294	2	\$ 2,588
G3030	210	6200	Precast concrete 6' ID, 4' deep, CIP	LS	\$ 3,910	2	\$ 7,820
			Pipe				
G1030	805	4030	Trench 6' x 6'	LF	\$ 21.28	50	\$ 1,064
G1030	815	1700	Bedding, 6' wide	LF	\$ 10.26	50	\$ 513
2600	510	2180	36" 12 gauge corrugated	LF	\$ 94.30	50	\$ 4,715
			Outlet				
G3030	310	5520	36" pipe, 5' wing walls, \$350/ton stone	LS	\$ 4,444.75	1	\$ 4,445
2630	110	1582	Curb inlet frame, heavy duty	EA	\$ 1,293.75	1	\$ 1,294
			Dewatering				
2200	500	1100	6" centrifugal pump	DAY	\$ 1,046.50	15	\$ 15,698
2240	500	2000	24" pipe sump with CMP, gravel	LF	\$ 75.90	6	\$ 455
			Shoring				
2250	400	1200	Sheet piling - steel - 15' drive, extract, salvage 50 ft long by 6 deep, both sides	SF	\$ 19.95	1800	\$ 35,915
			Construction Oversight				
1300	700	120	Field Engineer	WK	\$ 1,840.00	10	\$ 18,400
1300	700	200	Project Manager	WK	\$ 2,990.00	4	\$ 11,960

Fish Passage sub total = \$ 104,865

**Attachment 6 - Budget
San Antonio Spreading Grounds Rehabilitation (V-2)
Summary and Back-up**

Item 12: Revegetation

From Means Heavy Construction Cost Data, 2006

Trees, Shrubs, and Groundcover

Means Reference			Item	Unit	\$/Unit	#/10 sf	Daily Output
2915	400	735	Trees 5 gallon containers hand planted heavy or stoney soil	EA	\$ 55.78	0.1	14
2915	400	730	Shrubs 1 gallon containers hand planted heavy or stoney soil	EA	\$ 18.98	1	41.3

Item 12: total \$ 27,008

Item 13: Inspection, Monitoring, Operation, & Maintenance

Site Visit after each storm event	Unit Cost	Unit	# Units	Total
DBSA Senior Staff	\$ 155.00	HR	2	\$ 310.00
DBSA Staff III	\$ 98.00	HR	16	\$ 1,568.00
				Total per event = \$ 2,050.25
Anticipate 6 storm events per year				Site Visit Annual total = \$ 12,301.50

				Unit Cost	Unit	Total Cost
Mobilization/Demobilization						
2305	250	100	Dozer above 150 HP	\$ 403.65	EA	\$ 404
2305	250	100	Haul Truck	\$ 403.65	EA	\$ 8,073
Stripping and Stockpiling (p. 39)						
				\$/BCY	Daily Output BCY	Total Volume
2230	500	1430	6" Deep, 300' haul 200 HP Dozer	\$ 3.60	520	\$ 3,743
2315	462	9024	Loading at 15% of excavation			\$ 562
Excavated or borrow fill, loose CY (p.57) no loading included, highway haulers						
				\$/LCY	Daily Output LCY	No of Trucks
2315	490	1255	16.50 CY dump truck, 20 mi RT, 0.4 loads/hr	\$ 16.85	54	\$ 22,778

**Attachment 6 - Budget
San Antonio Spreading Grounds Rehabilitation (V-2)
Summary and Back-up**

Oversight	DBSA Staff III	\$	98.00	HR	20	\$	1,960
	Mileage	\$	0.45	MI	125	\$	56
	Misc. field supplies	\$	150.00	LS	1	\$	150
Project Management/Coordination	DBSA Senior Staff	\$	155.00	HR	8	\$	1,240
						Total per event = \$	38,965
	Maintenance					Debris Removal Annual total = \$	77,930
	Operations					Site Visit Annual total = \$	12,302
						Total O&M \$	90,232

Notes:

All Means cost have a 15% adjustment for location/increased fuel costs
Loose cubic yards (LCY) are bank cubic yards (BCY) multiplied by 1.3

Attachment 6 - Budget
Senior Canyon Mutual Water Company Automation Upgrades Project (V-6)
Summary and Back-up

Fr 5/17/06, only change is grant funding request is increased, bottom line is same

Budget Category		Other State Funds	Non-State Share (Funding Match)	Requested Grant Funding	Total	% Funding Match
(a)	Direct Project Administration Costs	\$ -	\$ -	\$ -	\$ -	
(b)	Land Purchase/Easement	\$ -	\$ -	\$ -	\$ -	
(c)	Planning/Design/Engineering/Environmental Documentation	\$ -	\$ 20,000	\$ 30,000	\$ 50,000	40%
(d)	Construction/Implementation	\$ -	\$ 156,644	\$ 411,116	\$ 567,760	28%
(e)	Environmental Compliance/Mitigation/Enhancement	\$ -	\$ -	\$ -	\$ -	
(f)	Construction Administration	\$ -	\$ 27,194	\$ -	\$ 27,194	100%
(g)	Other Costs	\$ -	\$ -	\$ -	\$ -	
(h)	Construction/Implementation Contingency	\$ -	\$ 20,000	\$ 47,346	\$ 67,346	30%
(i)	Grand Total (Sum rows (a) through (h) for each column)	\$ -	\$ 223,838	\$ 488,462	\$ 712,300	31%
(j)	Calculation of Funding Match %					31%

Staff Position	Sr. Cyn GM	Eng	Cons. Mgr	Labor Total Cost	Other Costs	Total
Hourly Rate	\$32.50	\$76.00	\$61.00			
TASKS						
(a)	Direct Project Administration Costs	0	0	0	\$ -	\$ -
(b)	Land Purchase/Easement	0	0	0	\$ -	\$ -
(c)	Planning/Design/Engineering/Environmental Documentation	15	20	20	\$ 3,228	\$ 46,772
(d)	Construction/Implementation	0	0	0	\$ -	\$ 567,760
(e)	Environmental Compliance/Mitigation/Enhancement	0	0	0	\$ -	\$ -
(f)	Construction Administration	262	45	153	\$ 21,268	\$ 5,926
(g)	Other Costs	0	0	0	\$ -	\$ -
(h)	Construction/Implementation Contingency	31	7	19	\$ 2,699	\$ 64,647
			Total	\$ 27,194	\$ 685,105	\$ 712,299

Attachment 6 - Budget
Senior Canyon Mutual Water Company Automation Upgrades Project (V-6)
Summary and Back-up

NOTES:

Inspector, Design consultant and contractor are included elsewhere in the grant.

O&M fr 5/31/06 e-mail from Ron Merckling

	\$	\$/yr
Maintenance: Approximately \$6,948 per year		
Annual Maintenance contract at \$125/hr for about 24 hours a year.	\$	3,000 = \$125/hr*24 hrs
8 Full-time days each year (2FTD every 3 mos.) at \$32 per hour.	\$	2,048 = 8FTD/yr*8hrs/day*\$32/hr
Tech repair cost \$95/hr. Unknown how many hours.	\$	1,900 = \$95/hr*20 hrs
Sub-total Maintenance	\$	6,948
Operations: Approximately	\$	3,347
1 hr per day split between \$32/hr and 19.5/hr.	\$	6,695 = *52wks*5days/wk*0.5hr@\$32/hr + 0.5hr@\$19.5/hr
Subtract 30 min. per day split between \$32/hr and 19.5/hr.	\$	3,348
Sub-total Operations	\$	3,348

Existing employees would be responsible for the operations. So, the actual cost increase is difficult to estimate for Senior Canyon. Other work may not be done or it may be completed differently.

Ron

Admin	Operations	Maintenance	Replacement	Other	Total O&M
	0 \$	3,348 \$			\$ 10,296