

Attachment 6 Budget

Total Budget

The total cost of the proposed project is \$272,500. The project budget is presented in Table 6-1 in the standard form suggested in the PSP. The requested grant funding is \$250,000, while the non-state share (funding match) is \$22,500 which will be provided through CVWD staff time. Administration costs represent approximately 2% of the total project budget. Cost assumptions are discussed in Table 6-2.

Table 6-1: Budget (Note: All costs rounded to nearest \$100)

Task No.	Task	Non-State Share (funding match)	Requested Grant Funding	Total
1	Gauging and verification of surface water flows and water quality in the Verdugo Wash	\$1,500	\$46,000	\$47,500
1.1	<i>Coordination & Agreement with LACDPW</i>	\$1,500	-	\$1,500
1.2	<i>Installation & Calibrating Channel Gauge</i>	-	\$15,000	\$15,000
1.3	<i>Water Quality Sampling & Analysis</i>	-	\$20,000	\$20,000
1.4	<i>Compiling Data</i>	-	\$4,000	\$4,000
1.5	<i>Stormwater Flow and Quality TM</i>	-	\$7,000	\$7,000
2	Drilling and installing monitoring wells and water level monitoring	\$4,000	\$87,100	\$91,100
2.1	<i>Coordination & Agreement with LACDPW</i>	\$1,500	-	\$1,500
2.2	<i>Preliminary Design & Location</i>	-	\$4,000	\$4,000
2.3	<i>Design Plans & Specifications</i>	-	\$5,000	\$5,000
2.4	<i>Construction - 2 wells</i>	-	\$45,000	\$45,000
2.5	<i>Contract Administration</i>	\$2,500	-	\$2,500
2.6	<i>Field work</i>	-	\$7,500	\$7,500
2.7	<i>Water Quality Sampling & Analysis</i>	-	\$9,600	\$9,600
2.8	<i>Analysis of Data</i>	-	\$8,000	\$8,000
2.9	<i>Monitoring Well TM</i>	-	\$8,000	\$8,000
3	Perform Infiltration Tests	\$4,000	\$41,500	\$45,500
3.1	<i>Coordination & Agreement with LACDPW</i>	\$1,500	-	\$1,500
3.2	<i>Preliminary Design & Location</i>	-	\$4,000	\$4,000
3.3	<i>Design Plans & Specifications</i>	-	\$3,000	\$3,000
3.4	<i>Construction</i>	-	\$20,000	\$20,000
3.5	<i>Contract Administration</i>	\$2,500	-	\$2,500
3.6	<i>Field work</i>	-	\$4,500	\$4,500
3.7	<i>Analysis of Data</i>	-	\$4,000	\$4,000
3.8	<i>Infiltration Test TM</i>	-	\$6,000	\$6,000

Task No.	Task	Non-State Share (funding match)	Requested Grant Funding	Total
4	Topographic Survey	\$1,500	\$19,000	\$20,500
4.1	<i>Coordination & Agreement with LACDPW</i>	\$1,500	-	\$1,500
4.2	<i>Preliminary Site Investigation</i>	-	\$1,500	\$1,500
4.3	<i>Aerial Topographic Survey</i>	-	\$7,000	\$7,000
4.4	<i>Field Survey</i>	-	\$7,000	\$7,000
4.5	<i>Identify & catalog trees</i>	-	\$2,500	\$2,500
4.6	<i>Topographic Survey TM</i>	-	\$1,000	\$1,000
5	Groundwater Modeling	\$0	\$10,000	\$10,000
5.1	<i>Input updated geologic & groundwater data</i>	-	\$2,500	\$2,500
5.2	<i>Updated groundwater model</i>	-	\$5,000	\$5,000
5.3	<i>Groundwater Modeling TM</i>	-	\$2,500	\$2,500
6	Environmental and regulatory compliance and permit review	\$1,500	\$17,400	\$18,900
6.1	<i>CEQA - Environmental Checklist</i>	-	\$4,200	\$4,200
6.2	<i>CEQA - Mitigated Negative Declaration</i>	-	\$6,300	\$6,300
6.3	<i>RWQCB - NPDES Permit</i>	-	\$4,200	\$4,200
6.4	<i>Los Angeles County, Department of Public Health Permit</i>	-	\$1,200	\$1,200
6.5	<i>City of Glendale, Department of Public Works Permit</i>	-	\$1,000	\$1,000
6.6	<i>California Department of Fish & Game</i>	-	\$500	\$500
6.7	<i>Additional Compliance/Permitting</i>	\$1,500	-	\$1,500
7	Development of Stormwater Recharge Study	\$4,000	\$24,000	\$28,000
7.1	<i>50% Preliminary Stormwater Recharge Study report</i>	-	\$6,000	\$6,000
7.2	<i>100% Draft Stormwater Recharge Study report</i>	-	\$15,000	\$15,000
7.3	<i>Comments from DWR & other Stakeholders</i>	-	\$3,000	\$3,000
7.4	<i>Final Stormwater Recharge Study report</i>	\$4,000	-	\$4,000
8	Task Force Group	\$0	\$5,000	\$5,000
8.1	<i>Coordination of Task Force Group</i>	-	\$2,600	\$2,600
8.2	<i>Task Force Meeting</i>	-	\$2,400	\$2,400
9	Administration	\$6,000	\$0	\$6,000
9.1	<i>Quarterly Reports</i>	\$3,000	-	\$3,000
9.2	<i>Final Report</i>	\$3,000	-	\$3,000
	Grand Total	\$22,500	\$250,000	\$272,500

Cost Assumptions

Assumptions underlying the budgeted values vary by task and include in-kind hours from CVWD, consultant hours, cost for work done by California licensed professionals (engineers, geologists, etc.), contractors, and laboratory fees. The assumptions used in the development in the Project budget are shown in Table 6-2.

Table 6-2: Cost Assumptions (Note: all costs rounded to the nearest \$100)

Task No.	Task	Total	Assumptions (Cost Basis)
1	Gauging and verification of surface water flows and water quality in the Verdugo Wash	\$47,500	
1.1	<i>Coordination & Agreement with LACDPW</i>	\$1,500	CVWD labor: 20 hours at \$75/hour
1.2	<i>Installation & Calibrating Channel Gauge</i>	\$15,000	Consultant fee: 86 hours at \$175/hour
1.3	<i>Water Quality Sampling & Analysis</i>	\$20,000	Lab fee: 12 samples at \$1,000 each Field work: 12 samples at \$600 each Materials and other costs: \$800
1.4	<i>Compiling Data</i>	\$4,000	Consultant fee: 38 hours at \$105/hour
1.5	<i>Stormwater Flow and Quality TM</i>	\$7,000	Consultant fee: 40 hours at \$175/hour
2	Drilling and installing monitoring wells and water level monitoring	\$91,100	
2.1	<i>Coordination & Agreement with LACDPW</i>	\$1,500	CVWD labor: 20 hours at \$75/hour
2.2	<i>Preliminary Design & Location</i>	\$4,000	Hydrogeologist labor: 33 hours at \$125/hour
2.3	<i>Design Plans & Specifications</i>	\$5,000	Hydrogeologist labor: 40 hours at \$125/hour
2.4	<i>Construction - 2 wells</i>	\$45,000	Drilling contractor fee: \$22,500 per well for 2 wells
2.5	<i>Contract Administration</i>	\$2,500	CVWD labor: 32 hours at \$75/hour
2.6	<i>Field work</i>	\$7,500	Hydrogeologist labor: 60 hours at \$125/hour
2.7	<i>Water Quality Sampling & Analysis</i>	\$9,600	Lab fee: 12 samples at \$800 each
2.8	<i>Analysis of Data</i>	\$8,000	Hydrogeologist labor: 64 hours at \$125/hour
2.9	<i>Monitoring Well TM</i>	\$8,000	Hydrogeologist labor: 64 hours at \$125/hour
3	Perform Infiltration Tests	\$45,500	
3.1	<i>Coordination & Agreement with LACDPW</i>	\$1,500	CVWD labor: 20 hours at \$75/hour
3.2	<i>Preliminary Design & Location</i>	\$4,000	Hydrogeologist labor: 32 hours at \$125/hour
3.3	<i>Design Plans & Specifications</i>	\$3,000	Hydrogeologist labor: 24 hours at \$125/hour
3.4	<i>Construction</i>	\$20,000	Contractor fee: \$20,000
3.5	<i>Contract Administration</i>	\$2,500	CVWD labor: 33 hours at \$75/hour

Task No.	Task	Total	Assumptions (Cost Basis)
3.6	<i>Field work</i>	\$4,500	Hydrogeologist labor: 36 hours at \$125/hour
3.7	<i>Analysis of Data</i>	\$4,000	Hydrogeologist labor: 32 hours at \$125/hour
3.8	<i>Infiltration Test TM</i>	\$6,000	Hydrogeologist labor: 48 hours at \$125/hour
4	Topographic Survey	\$20,500	
4.1	<i>Coordination & Agreement with LACDPW</i>	\$1,500	CVWD labor: 20 hours at \$75/hour
4.2	<i>Preliminary Site Investigation</i>	\$1,500	Surveyor labor: 12 hours at \$125/hour
4.3	<i>Aerial Topographic Survey</i>	\$7,000	Surveyor labor: 56 hours at \$125/hour
4.4	<i>Field Survey</i>	\$7,000	Surveyor labor: 56 hours at \$125/hour
4.5	<i>Identify & catalog trees</i>	\$2,500	Arborist labor: 20 hours at \$125/hour
4.6	<i>Topographic Survey TM</i>	\$1,000	Surveyor labor: 8 hours at \$125/hour
5	Groundwater Modeling	\$10,000	
5.1	<i>Input updated geologic & groundwater data</i>	\$2,500	Hydrogeologist labor: 20 hours at \$125/hour
5.2	<i>Updated groundwater model</i>	\$5,000	Hydrogeologist labor: 40 hours at \$125/hour
5.3	<i>Groundwater Modeling TM</i>	\$2,500	Hydrogeologist labor: 20 hours at \$125/hour
6	Environmental and regulatory compliance and permit review	\$18,900	
6.1	<i>CEQA - Environmental Checklist</i>	\$4,200	Consultant fee: 24 hours at \$175/hour
6.2	<i>CEQA - Mitigated Negative Declaration</i>	\$6,300	Consultant fee: 36 hours at \$175/hour
6.3	<i>RWQCB - NPDES Permit</i>	\$4,200	Consultant fee: 24 hours at \$175/hour
6.4	<i>Los Angeles County, Department of Public Health Permit</i>	\$1,200	Consultant fee: 7 hours at \$175/hour
6.5	<i>City of Glendale, Department of Public Works Permit</i>	\$1,000	Consultant fee: 6 hours at \$175/hour
6.6	<i>California Department of Fish & Game</i>	\$500	Consultant fee: 3 hours at \$175/hour
6.7	<i>Additional Compliance/Permitting</i>	\$1,500	CVWD labor: 20 hours at \$75/hour
7	Development of Stormwater Recharge Study	\$28,000	
7.1	<i>50% Preliminary Stormwater Recharge Study report</i>	\$6,000	Consultant fee: 40 hours at \$105/hour, 10 hours at \$175/hour
7.2	<i>100% Draft Stormwater Recharge Study report</i>	\$15,000	Consultant fee: 86 hours at \$175/hour
7.3	<i>Comments from DWR & other Stakeholders</i>	\$3,000	Consultant fee: 17 hours at \$175/hour
7.4	<i>Final Stormwater Recharge Study report</i>	\$4,000	CVWD labor: 53 hours at \$75/hour
8	Task Force Group	\$5,000	
8.1	<i>Coordination of Task Force Group</i>	\$2,600	Consultant fee: 13 hours at \$200/hour

Task No.	Task	Total	Assumptions (Cost Basis)
8.2	<i>Task Force Meeting</i>	\$2,400	Consultant fee: 12 hours at \$200/hour
9	Administration	\$6,000	
9.1	<i>Quarterly Reports</i>	\$3,000	CVWD labor: 40 hours at \$75/hour
9.2	<i>Final Report</i>	\$3,000	CVWD labor: 40 hours at \$75/hour
	Grand Total	\$272,500	