

## Attachment 6. Budget

Budget Table 1 below summarizes each work plan task, a budget line item estimate and a breakdown of PCWA's funding match and requested grant funds.

<b>Budget Summary Table 1</b>					
Budget Category			Non-State Share	Requested Grant Funding	Total
Task	SubTask	Title			
<b>1.0</b>		<b>PM, Oversight, and Reporting</b>			
	1.1	PM Meetings	\$ -	\$ 12,782	\$ 12,782
	1.2	Quarterly Status Reports	\$ -	\$ 16,817	\$ 16,817
	1.3	Grant Admin and Documentation	\$ 10,000	\$ 12,308	\$ 22,308
	1.4	Public Outreach	\$ -	\$ 6,292	\$ 6,292
<b>2.0</b>		<b>Well Location Evaluation</b>			
	2.1	Data Review	\$ -	\$ 2,936	\$ 2,936
	2.2	Water Quality	\$ -	\$ 3,084	\$ 3,084
	2.3	Land Use/Ownership	\$ -	\$ 2,873	\$ 2,873
	2.4	Perform Well Location Field Survey	\$ -	\$ 2,749	\$ 2,749
	2.5	Conduct Environmental Check	\$ -	\$ 3,457	\$ 3,457
	2.6	Draft Well Location Memorandum	\$ -	\$ 8,765	\$ 8,765
	2.7	Final Well Location Memorandum	\$ -	\$ 3,019	\$ 3,019
<b>3.0</b>		<b>Monitoring Well Drilling and Installation</b>			
	3.1	Permitting, Access, and CEQA	\$ -	\$ 5,510	\$ 5,510
	3.2	Drilling Work Plan and Contracting		\$ 6,190	\$ 6,190
	3.3	Well Installation and Development	\$ -	\$ 133,869	\$ 133,869
	3.4	Construction Management	\$ 15,000	\$ -	\$ 15,000
<b>4.0</b>		<b>Monitoring Data and Reporting</b>			
	4.0	Monitoring Data and Reporting	\$ -	\$ 6,812	\$ 6,812
<b>5.0</b>		<b>Well Install and Monitoring Reports</b>	\$ -	\$ -	\$ -
	5.1	Draft Report	\$ -	\$ 17,191	\$ 17,191
	5.2	Final Report	\$ -	\$ 5,269	\$ 5,269
<b>Total:</b>			<b>\$ 25,000</b>	<b>\$ 249,922</b>	<b>\$ 274,922</b>

The attached Budget Table 2 presents a detailed breakdown of costs to complete the installation of three new monitoring wells in the Martis Valley groundwater Sub-basin. This table presents estimated labor costs, specialized subcontractor costs, equipment rental and mileage charges, and other direct costs (e.g permitting charges). Labor costs are broken down by labor category and include a fully burdened labor rate.

The tasks shown on the table correspond to tasks described in detail in the Work Plan (Attachment 5). The primary tasks include Task 1.0 - Project Management, Oversight and Reporting, Task 2.0 - Well Location Evaluation, Task 3.0 - Conduct Well Drilling, Construction, Sampling and Testing, Task 4.0 - Monitoring Data and Reporting, and Task 5.0 Monitoring Well Installation and Monitoring Report. Each primary task is broken down into sub tasks to correspond to the work plan, and costs are provided for each sub task in labor hours or dollars for specialty subcontractors and expenses. Costs for this project were built up for each sub task based on technical assumptions that were developed during the scoping of the project. As costs were developed, the scope was modified so

that proposed costs did not exceed the potential grant funding limit. In the case of this project, the number and depth of monitoring wells was chosen so that at least one well could be installed on property of each partner agency (PCWA, NCSD, and TDPUD) and so that the monitoring wells would provide maximum quality of data for long term monitoring.

The detailed labor estimates and expenses were developed as follows:

- The example project team includes a project manager, project administrator, and senior hydrogeologist, and junior geologist/hydrogeologist, a GIS technician, and a word processor. This example project team is similar to the team that worked on the Western Placer County Groundwater Management Plan.
- Labor costs were developed using historical information from similar efforts, and experience on similar projects to establish assumptions and levels of effort. Assumptions for these costs are shown with each sub task in the work plan.
- Expenses were estimated by receiving verbal Requests for Bids from drilling, equipment rental, laboratory, and land surveyor subcontractors. Permit fees were obtained from Placer County website. Roadrunner Drilling, Woodland, California provided a verbal estimate of between \$35,000 and \$38,000 per well depending on location and access.
- Mileage and other expenses were estimated based on estimated level of labor effort, remote location of sites, and the current reimbursement rate for personal vehicles.

Table 2. Budget Detail -- Placer County Water Agency LGA Prop 84 Grant Application -- Martis Valley Monitoring Well Installation Program

Task	Description	PM	Project Assistant	GIS/Graphics	Senior Engineer	Word Processor	Junior Geologist	Total Labor Hours	Total Labor Effort	EDR	Permits	Lodging and Food	Supplies	Company Vehicles	Driller	Laboratory	Surveyor	Total Expense Effort	Non-State Share	Total Effort
<b>1.0</b>	<b>PM, Oversight, and Reporting</b>	\$159.32	\$96.97	\$114.44	\$267.51	\$84.93	\$85.31													
		163	72	16	20	0	84	355	47,299	0	0	0	500	400	0	0	0	900	0	58,199
1.1	PM Meetings	71	0	0	4	0	0	75	12,382	0	0	0	0	400	0	0	0	400	0	12,782
1.2	Quarterly Status Reports	56	0	0	4	0	80	140	16,817	0	0	0	0	0	0	0	0	0	0	16,817
1.3	Grant Admin and Documentation	20	72	0	8	0	0	100	12,308	0	0	0	0	0	0	0	0	0	10,000	22,308
1.4	Public Outreach	16	0	16	4	0	4	40	5,792	0	0	0	500	0	0	0	0	500	0	6,292
<b>2.0</b>	<b>Well Location Evaluation</b>	88	0	42	4	10	52	196	25,182	1,500	0	0	0	200	0	0	0	1,700	0	26,882
2.1	Data Review	12	0	0	0	0	12	24	2,936	0	0	0	0	0	0	0	0	0	0	2,936
2.2	Water Quality	14	0	0	0	0	10	24	3,084	0	0	0	0	0	0	0	0	0	0	3,084
2.3	Land Use/Ownership	8	0	8	0	0	8	24	2,873	0	0	0	0	0	0	0	0	0	0	2,873
2.4	Perform Well Location Field Survey	16	0	0	0	0	0	16	2,549	0	0	0	0	200	0	0	0	200	0	2,749
2.5	Conduct Environmental Check	8	0	0	0	0	8	16	1,957	1,500	0	0	0	0	0	0	0	1,500	0	3,457
2.6	Draft Well Location Memorandum	20	0	26	4	6	12	68	8,765	0	0	0	0	0	0	0	0	0	0	8,765
2.7	Final Well Location Memorandum	10	0	8	0	4	2	24	3,019	0	0	0	0	0	0	0	0	0	0	3,019
<b>3.0</b>	<b>Monitoring Well Drilling and Installation</b>	76	0	0	0	0	132	208	23,369	0	1,300	3,000	250	1,000	115,000	0	1,650	122,200	0	160,569
3.1	Permitting, Access, and CEQA	20	0	0	0	0	12	32	4,210	0	1,300	0	0	0	0	0	0	1,300	0	5,510
3.2	Drilling Work Plan and Contracting	26	0	0	0	0	24	50	6,190	0	0	0	0	0	0	0	0	0	0	6,190
3.3	Well Installation and Development	30	0	0	0	0	96	126	12,969	0	0	3,000	250	1,000	115,000	0	1,650	120,900	0	133,869
3.4	Construction Management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15,000	15,000
<b>4.0</b>	<b>Monitoring Data and Reporting</b>	0	0	0	0	0	40	40	3,412	0	0	500	0	400	0	2,500	0	3,400	0	6,812
4.0	Monitoring Data and Reporting	0	0	0	0	0	40	40	3,412	0	0	500	0	400	0	2,500	0	3,400	0	6,812
<b>5.0</b>	<b>Well Install and Monitoring Reports</b>	48	0	21	8	33	84	194	22,159	0	0	0	300	0	0	0	0	300	0	22,459
5.1	Draft Report	40	0	12	6	24	68	150	17,191	0	0	0	0	0	0	0	0	0	0	17,191
5.2	Final Report	8	0	9	2	9	16	44	4,969	0	0	0	300	0	0	0	0	300	0	5,269
<b>GRAND TOTAL</b>		<b>375</b>	<b>72</b>	<b>79</b>	<b>32</b>	<b>43</b>	<b>392</b>	<b>993</b>	<b>121,422</b>	<b>1,500</b>	<b>1,300</b>	<b>3,500</b>	<b>1,050</b>	<b>2,000</b>	<b>115,000</b>	<b>2,500</b>	<b>1,650</b>	<b>128,500</b>	<b>25,000</b>	<b>274,922</b>

Hours and Dollars are rounded to nearest whole number. To display decimals, change the format of the cells.