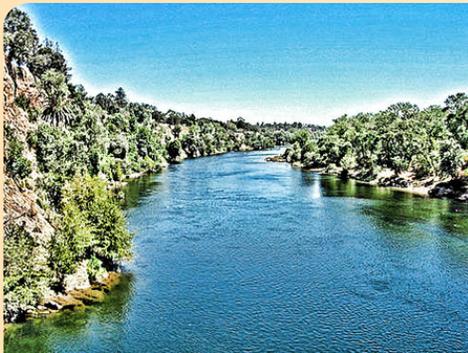


Attachment 5

Budget Summary



Attachment 5: Budget

Proposal and Project Budgets

The following tables summarize the budget for the proposed scope of work outlined in Attachment 4, Work Summary. The tables in this attachment are:

- Table 5-1: Proposal Budget
- Table 5-2: Upper Amador Canal Untreated Pipeline Project Budget
- Table 5-3: Ione WTP Backwash Water Reuse Project Budget

The following Attachment provides the Budget Summary for the Mokelumne / Amador / Calaveras (MAC) Integrated Regional Water Management (IRWM) Proposition 84 2014 Drought Implementation Grant Proposal, including the Proposal Budget and the individual project budgets. The budgets presented are consistent with the Work Summary (Attachment 4) and Schedule (Attachment 6).

This Proposal contains two projects to be implemented by Amador Water Agency (AWA), both of which meet water supply needs of disadvantaged communities (DACs): the Upper Amador Canal Untreated Pipeline Project and the Ione WTP Backwash Water Reuse Project. UMRWA is requesting a total of \$5,755,504 of grant funding on behalf of AWA to implement these projects. The Total Proposal Cost is \$5,965,156 which includes a funding match of \$209,652. A DAC Funding Match Waiver is being requested for the Upper Amador Canal Untreated Pipeline Project, resulting in a 25% match.

Table 5-1: Proposal Budget

Summary Budget (Table 8 from PSP)						
Proposal Title: Mokelumne/Amador/Calaveras (MAC) IRWM Proposition 84 Drought Implementation Grant Application						
Project Name	(a)	(b)	(c)	(d)	(e)	
	Requested Grant Funding	Non-State Share* (Funding Match)	Other State Funds Being Used	Total	% Funding Match	
(a) Upper Amador Canal Untreated Pipeline Project (Project 1)	\$5,126,560	\$0	\$0	\$5,126,560	0%	
(b) Ione WTP Backwash Water Reuse Project (Project 2)	\$628,944	\$209,652	\$0	\$838,596	25%	
(c) Proposal Total (Sum rows (a) and (b))	\$5,755,504	\$209,652	\$0	\$5,965,156		
(d) DAC Funding Match Waiver Total (Sum column (d) only for projects seeking DAC funding match waiver)				\$5,126,560		
(e) Grand Total (subtract row (d) from row (c) for column (d) and recalculate column (e))	\$5,755,504	\$209,652	\$0	\$838,596	25%	
*List sources of funding: See individual project budgets for sources of funding.						

Upper Amador Canal Untreated Pipeline Project Budget

The Upper Amador Canal Untreated Pipeline Project involves replacing 18 miles of the Amador Canal, which is currently earthen and unlined, with a 6- to 12-inch diameter pipeline to reduce water loss and improve water supply reliability to the raw water users. Replacing the Canal will conserve approximately 1,800 AFY of water that is lost through seepage, leaks, and evaporation, helping AWA address supply-related drought impacts and address the Human Right to Water Policy. The canal has significant water loss through seepage and evaporation, and water quality and security concerns because the canal is open. While this project serves raw water to users, it is an essential prerequisite step which will enable AWA to implement a subsequent project delivering treated water to users along the canal.

A summary of the budget for the Upper Amador Canal Untreated Pipeline Project is presented in Table 5-2. The budget is based on the latest Project documentation, as well as estimates for professional services.

Direct project administration costs were calculated based on expected level of effort for completing Tasks 1 through 3. Tasks 1 and 3 will be completed by AWA staff, the UMRWA grant administrator, and a consultant. To develop costs for Tasks 1 and 3, estimated hours and associated hourly rates were used for the UMRWA grant administrator and AWA staff. A fee estimate was developed by a consultant for grant administration also contributing to the costs for Tasks 1 and 3. The Labor Compliance Program will be prepared and implemented by a consultant under Task 2. Hours and hourly rates were used to estimate the cost.

The land purchase and easement costs associated with this project are for easement acquisition from a number of property owners along the pipeline alignment. Work will be completed by a consultant and includes surveying, easement appraisal, and easement negotiations. Hours and rates were used to develop the estimated cost for Task 4, as well as estimated land purchase prices.

Planning, design, engineering, and environmental documentation costs were estimated using hourly wage paid by discipline and the number of hours to be expended by a consultant and AWA staff for planning, design, and engineering items. Work includes finalizing design and securing an Amador County Encroachment Permit and a NPDES Stormwater Pollution Prevention Plan Permit. There are no costs associated with Task 5, Assessment and Evaluation, as related work is 100% complete and was completed as part of the initial phase of this project. There are also no costs associated with Task 7, Environmental Documentation since the task is complete; an EIR was certified in 2006.

Construction and implementation costs were calculated based on expected level of effort for completing construction and implementation related activities, as well as estimates for equipment and materials. Work includes pipeline installation, pressure testing, construction management, and legal services, and will be performed by AWA staff and hired contractors. A Project Performance Monitoring Plan will also be developed by a consultant. A 20% contingency was added to the total project cost, as the project is at the 15% design phase. AWA is requesting a DAC funding match waiver for this project.

Table 5-2: Upper Amador Canal Untreated Pipeline Project Budget

Proposal Budget (Table 7 from PSP)				
Project Title : Upper Amador Canal Untreated Pipeline Project				
Project serves a need of a DAC: Yes				
Funding Match Waiver Request: Yes				
Budget Category	(a)	(b)	(c)	(d)
	Requested Grant Amount	Non-State Fund Source*	Other State Fund Source*	Total Cost
(a) Direct Project Administration Costs	\$74,658	\$0	\$0	\$74,658
(b) Land Purchase/Easement	\$633,390	\$0	\$0	\$633,390
(c) Planning/Design/Engineering/ Environmental Documentation	\$400,043	\$0	\$0	\$400,043
(d) Construction/Implementation	\$4,018,469	\$0	\$0	\$4,018,469
(e) Grand Total (Sum rows (a) through (d) for each column)	\$5,126,560	\$0	\$0	\$5,126,560
*List sources of funding: No other sources of funding.				

Ione WTP Backwash Water Reuse Project Budget

The Ione WTP Backwash Water Reuse Project consists of treating the backwash water at the Plant's headworks to create up to 43,000 gallons per day of additional water supply in its first year of operation. The Project will increase local water supply reliability and contribute to the Human Right to Water Policy by delivering clean, affordable, and accessible water to its users within the Amador Water System, including DACs. The project will allow for continued delivery of high quality potable water supplies to users, and the water produced will be less expensive to those receiving service and thus more affordable to AWA and its customer which include DACs. Reducing the amount of backwash water sent to the sewer collection system and to the wastewater treatment plant is a secondary benefit of this Project.

A summary of the budget for the Ione WTP Backwash Water Reuse Project is presented in Table 5-3. The budget is based on the latest Project documentation, as well as estimates for professional services.

Direct project administration costs were calculated based on expected level of effort for completing Tasks 1 through 3. Tasks 1 and 3 will be completed by AWA staff, the UMRWA grant administrator, and a consultant. To develop costs for Tasks 1 and 3, estimated hours and associated hourly rates were used for the UMRWA grant administrator and AWA staff. A fee estimate was developed by a consultant for grant administration also contributing to the costs for Tasks 1 and 3. The Labor Compliance Program will be prepared and implemented by a consultant under Task 2. Hours and hourly rates were used to estimate the cost.

There are no land purchase or easement costs associated with this project, as the land is already owned by AWA.

Planning, design, engineering, and environmental documentation costs were estimated using hourly wage paid by discipline and the number of hours to be expended for planning, design, engineering, and environmental documentation items. Work includes reviewing previous studies and system information, finalizing design, securing a categorical exemption, and acquiring DPH permits. These tasks will be completed by AWA staff and a consultant.

Construction and implementation costs were calculated based on expected level of effort for completing construction and implementation related activities, as well as estimates for equipment and materials. Work includes paving and surfacing, constructing the chemical feed system, preparing a Performance Monitoring Plan, and construction management. This work will be performed by AWA staff and hired consultants and contractors.

A 20% contingency was added to the total project cost to account for unexpected design constraints and conditions.

Table 5-3: Ione WTP Backwash Water Reuse Project Budget

Proposal Budget (Table 7 from PSP)					
Project Title: Ione WTP Backwash Water Reuse Project					
Project serves a need of a DAC: Yes					
Funding Match Waiver Request: No					
Budget Category		(a)	(b)	(c)	(d)
		Requested Grant Amount	Non-State Fund Source*	Other State Fund Source*	Total Cost
(a)	Direct Project Administration Costs	\$26,268	\$36,060	\$0	\$62,328
(b)	Land Purchase/Easement	\$0	\$0	\$0	\$0
(c)	Planning/Design/Engineering/ Environmental Documentation	\$2,160	\$73,384	\$0	\$75,544
(d)	Construction/Implementation	\$600,516	\$100,208	\$0	\$700,724
(e)	Grand Total (Sum rows (a) through (d) for each column)	\$628,944	\$209,652	\$0	\$838,596
*List sources of funding: Additional funding provided by Amador Water Agency local funds and in-kind services					