

# Merced Integrated Regional Water Management Merced Region Grant Proposal

## *Attachment 4: Budget Summary*



Attachment 4 consists of the following items:

- ✓ **Project Budget Summary**  
For each project contained in the Proposal, a project budget is provided using the format of Table 8 from the PSP.
- ✓ **Proposal Budget Summary**  
A summary budget of each project in the proposal is provided using the format of Table 9 from the PSP.



## Project Budget

### Atwater-McSwain Regulating/Recharge Basin Project

#### Budget Explanation

The total cost associated with the *Atwater-McSwain Regulating/Recharge Basin Project* is \$590,000. This cost covers completion of tasks within Budget Category (a) Direct Project Administration, Category (b) Land Purchase/Easement, Category (c) Planning / Design / Engineering / Environmental Documentation, and Category (d) Construction/Implementation. Of the total project cost, \$442,500 is being requested for grant funding through the IRWM Grant Program. The remaining \$147,500 would be provided by MID reserves and revenues. In total, the requested funding constitutes 75 percent of the total project cost, meaning that the non-State cost share (funding match) is 25 percent for this project. A Funding Match Waiver is not being requested. **Table 4-1** provides a detailed breakdown of the total project budget.

The total Category (a) amount is \$20,000. These costs are based on 340 hours for project administration and 60 hours for reporting, all of which are at a regular MID project engineer rate of \$50.00 per hour.

The total Category (b) amount is \$0. Funding is not requested for Task 4 (Land Purchase/Easement) because MID is already in talks with the County of Merced and the acquisition will be a matter of paperwork.

The total Category (c) amount is \$82,500. The preparation of a CEQA initial study/mitigated negative declaration is approximately \$20,000 based on past MID projects. Permitting costs are expected to take approximately 30 hours, at a MID project engineer rate of \$50.00 per hour. Based on the cost of past MID basin projects, design is estimated at 520 hours, at a MID design engineer rate of \$65.00 per hour; 300 hours to develop construction plans, at a MID drafter rate of \$40.00 per hour; a combined 84 hours of construction specification and bid document preparation, at a MID project engineer rate of \$50.00 per hour; and site survey at 200 hours, at a MID project engineer rate of \$50.00 per hour.

The total Category (d) amount is \$487,500. The Contract Services are based on 60 hours, at a MID project administrator rate of \$40.00 per hour. The Construction Management is based on 190 hours, at a MID project administrator rate of \$40.00 per hour. The proposed construction costs under Category (d) are based on MID's analysis of the cost from previous basin construction projects.

#### Project Budget

**Table 4-1: Project Budget – Atwater-McSwain Regulating/Recharge Basin Project**

Table 8 – Project Budget					
Proposal Title: Merced Regional Grant Proposal					
Project Title: Atwater-McSwain Regulating/Recharge Basin Project					
Project serves a need of a DAC?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Funding Match Waiver request?: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
Category		(a)	(b)	(c)	(d)
		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
<i>Category (a) Direct Project Administration</i>			\$20,000		\$20,000
Task 1	Project Administration		\$17,000		\$17,000



**Table 8 – Project Budget**

Proposal Title: Merced Regional Grant Proposal

Project Title: Atwater-McSwain Regulating/Recharge Basin Project

Project serves a need of a DAC?:  Yes  No Funding Match Waiver request?:  Yes  No

Category		(a)	(b)	(c)	(d)
Task 2	Labor Compliance Program	-	-	-	-
Task 3	Reporting		\$3,000		\$3,000
<b>Category (b) Land Purchase/Easement</b>					<b>\$0</b>
Task 4	Land Purchase/Easement	-	-	-	-
<b>Category (c) Planning/Design/Engineering/ Environmental Documentation</b>			<b>\$82,500</b>		<b>\$82,500</b>
Task 5	Planning	-	-	-	-
Task 6	CEQA Documentation		\$20,000		\$20,000
Task 7	Permitting		\$1,500		\$1,500
Task 8	Final Design				
	<i>8.1 Site Survey</i>		\$10,000		\$10,000
	<i>8.2 Final Design and Bid Documents</i>		\$50,000		\$50,000
Task 9	Project Performance Monitoring Plan		\$1,000		\$1,000
<b>Category (d) Construction/Implementation</b>		<b>\$442,500</b>	<b>\$45,000</b>		<b>\$487,500</b>
Task 10	Contract Services		\$2,400		\$2,400
Task 11	Construction Administration		\$7,600		\$7,600
Task 12	Construction				
	<i>12.1 Earthwork</i>	\$45,000	\$35,000		\$80,000
	<i>12.2 Mechanical Installation</i>	\$290,000			\$290,000
	<i>12.3 Well Installation</i>	\$55,000			\$55,000
	<i>12.4 SCADA Control</i>	\$52,500			\$52,500
(e)	<b>Grand Total (Sum rows (a) through (d) for each column)</b>	<b>\$442,500</b>	<b>\$147,500</b>		<b>\$590,000</b>

\*List Sources of funding: MID reserves and revenues



## UC Merced Surface Water Augmentation Project

### Budget Explanation

The total cost associated with the *UC Merced Surface Water Augmentation Project* is \$800,000, and includes the cost to complete tasks within Budget Category (a) - Direct Project Administration, Category (c) - Planning / Design / Engineering / Environmental Documentation, and Category (d) - Construction/Implementation. Of the total project cost, \$600,000 is being requested for grant funding through the IRWM Grant Program. The remaining \$200,000 would be provided by UC Merced's Savings by Design account. In total, the requested funding constitutes 75 percent of the total project cost, meaning that the non-State share of the total project cost (funding match) is 25 percent for this project. A Funding Match Waiver is not being requested. **Table 4-2** provides a detailed breakdown of the total project budget.

The total Category (a) amount is \$38,500. These costs are based on \$30,000 in University staff time, \$7,500 in MID administrative services and \$1,000 in publishing and printing services.

Funding is not requested for Category (b) (Task 4 Land Purchase/Easement) because land acquisition or easements are not needed as the proposed work area is owned by UC Merced.

The total Category (c) amount is \$81,000. The preparation of a CEQA initial study/mitigated negative declaration is approximately \$5,000 and permitting costs are expected to be \$3,500 based on past UC Merced projects. Based on the cost of past on-campus projects, the site survey is estimated at \$30,000 and the design is estimated at \$45,000. Project performance monitoring plan is estimated at \$1,000.

The construction costs are informed based on past based UC Merced projects. Contract services is estimated at \$8,000 in UC Merced staff costs and \$1,000 publishing and printing services. Construction administration is estimated at \$32,000 for the construction management contract and \$4,000 in UC Merced staff time for inspections & Oversight. Construction includes: pipeline installation, pump house upgrades and telemetry.

### Project Budget

**Table 4-2: Project Budget – UC Merced Surface Water Augmentation Project**

Table 8 – Project Budget						
Proposal Title: Merced Region Grant Proposal						
Project Title: UC Merced Surface Water Augmentation Project						
Project serves a need of a DAC?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Funding Match Waiver request?: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						
Category			(a)	(b)	(c)	(d)
			Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
<b>Category (a) Direct Project Administration</b>						
Task 1	Project Administration		\$31,000			\$31,000
Task 2	Labor Compliance Program		-	-	-	-
Task 3	Reporting		\$7,500			\$7,500
<b>Category (b) Land Purchase/Easement</b>						
Task 4	Land Purchase/Easement		-	-	-	-



**Table 8 – Project Budget**

Proposal Title: Merced Region Grant Proposal

Project Title: UC Merced Surface Water Augmentation Project

Project serves a need of a DAC?:  Yes  No Funding Match Waiver request?:  Yes  No

Category		(a)	(b)	(c)	(d)
		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
<b>Category (c) Planning/Design/Engineering/Environmental Documentation</b>		<b>\$81,000</b>			<b>\$81,000</b>
Task 5	Planning	-	-	-	-
Task 6	CEQA Documentation	\$2,000			\$2,000
Task 7	Permitting	\$3,000			\$3,000
Task 8	Final Design				
	8.1 Site Survey	\$30,000			\$30,000
	8.2 Final Design and Bid Documents	\$45,000			\$45,000
Task 9	Project Performance Monitoring Plan	\$1,000			\$1,000
<b>Category (d) Construction/Implementation</b>		<b>\$480,500</b>	<b>\$200,000</b>		<b>\$680,500</b>
Task 10	Contract Services	\$9,000			\$9,000
Task 11	Construction Administration	\$36,000			\$36,000
Task 12	Construction				
	12.1 Mobilization and Site Preparation	\$1,000			\$1,000
	12.2 Construction	\$433,000	\$200,000		\$633,000
	12.3 Demobilization and Closeout	\$1,500			\$1,500
(e)	<b>Grand Total (Sum rows (a) through (d) for each column)</b>	<b>\$600,000</b>	<b>\$200,000</b>		<b>\$800,000</b>

\*List Sources of funding: UC Merced Savings By Design account – the University will take cost savings from infrastructure design and apply funding to this capital project.



## Grant Administration Project

### Budget Explanation

The total cost associated with the *Grant Administration Project* is \$10,560, and includes the cost to complete tasks within Budget Category (a) - Direct Project Administration. **Table 4-3** provides a detailed breakdown of the total project budget. Funding is not requested for this project.

The total Category (a) amount is \$10,560. These costs are based on 8 hours per month of project management and 20 hours per quarter of reporting over the approximately 18 month reporting period, at the MID administrative rate of \$40 per hour

### Project Budget

**Table 4-3: Project Budget – Grant Administration Project**

Table 8 – Project Budget					
Proposal Title: Merced Region Grant Proposal					
Project Title: Grant Administration Project					
Project serves a need of a DAC?: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Funding Match Waiver request?: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
Category		(a)	(b)	(c)	(d)
		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
<b>Category (a) Direct Project Administration</b>			\$10,560		\$10,560
Task 1	Project Administration		\$5,760		\$5,760
Task 2	Labor Compliance Program	-	-	-	-
Task 3	Reporting		\$4,800		\$4,800
<b>Category (b) Land Purchase/Easement</b>					\$0
Task 4	N/A	-	-	-	-
<b>Category (c) Planning/Design/Engineering/Environmental Documentation</b>					\$0
Task 5	Planning	-	-	-	-
Task 6	CEQA Documentation	-	-	-	-
Task 7	Permitting	-	-	-	-
Task 8	Final Design	-	-	-	-
Task 9	Project Performance Monitoring Plan	-	-	-	-
<b>Category (d) Construction/Implementation</b>					\$0
Task 10	Contract Services	-	-	-	-
Task 11	Construction Administration	-	-	-	-



**Table 8 – Project Budget**

Proposal Title: Merced Region Grant Proposal

Project Title: Grant Administration Project

Project serves a need of a DAC?:  Yes  No Funding Match Waiver request?:  Yes  No

Category		(a)	(b)	(c)	(d)
		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
Task 12	Construction	-	-	-	-
(e)	Grand Total (Sum rows (a) through (d) for each column)	\$0	\$10,560		\$10,560

\*List Sources of funding: MID reserves and revenues



## Proposal Budget Summary

**Table 5-4** shows a summary of the budget for the entire proposal and presents the proposed funding match for each project within the proposal.

As described in Attachment 2, the Merced Region Grant Proposal involves implementation of two groundwater recharge projects to meet the region's water management needs as well as grant administration. The total cost to implement this proposal is \$1,390,000. Of this amount, \$1,042,500 (75.0%) is being requested grant funding from the IRWM Grant Program and \$347,500 (25.0%) is provided as funding match by the project proponents.

**Table 5-4: Summary Budget for the Merced IRWM Region Grant Proposal**

Table 8 – Summary Budget						
Proposal Title: Merced Region Grant Proposal						
Individual Project Title		(a)	(b)	(c)	(d)	(e)
		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost	% Funding Match (Col b/Col d)
(a)	Atwater/McSwain Regulating/Recharge Basin Project	\$442,500	\$147,500	-	\$590,000	25.0%
(b)	UC Merced Surface Water Augmentation Project	\$600,000	\$200,000	-	\$800,000	25.0%
(c)	Grant Administration Project	\$0	\$10,560		\$10,560	100%
(e)	Proposal Total	\$1,042,500	\$358,060		\$1,400,560	25.6%
(f)	DAC Funding Match Waiver Total	-	-	-	-	-
(g)	Grand Total	\$1,042,500	\$358,060		\$1,400,560	25.6%