

## 1.0 Correlation of budget items with work plan tasks

The line items in Table 4.1 correspond with work plan tasks as follows:

Budget line item	Work plan task
(a) Direct Project administration cost	Task 1 Administration
(b) Land purchase/easement	NA
(c) Planning/Design/Engineering/ Environmental Documentation	Task 2 Technical studies and planning Task 3 Conceptual design Task 4 CEQA Documentation and permitting Task 5 Final design
(d) Construction/Implementation	Task 6 Bidding Task 7 Construction contracting
(e) Environmental Compliance/ Mitigation/Enhancement	Task 9 Environmental compliance
(f) Construction administration	Task 8 Construction administration
(g) Other costs	NA
(h) Construction/Implementation contingency	NA

## 2.0 Project budget (Table 5 from Exhibit B of PSP)

<b>Table 4.1 Project Budget</b>					
Proposal & Project title: Camp Far West Spillway Improvement Project					
	(a)	(b)	(c)	(d)	
Category	Requested grant amount	Cost share: Non state fund source	Cost share: State fund source	Total cost	Requested cost share in %
(a) Direct Project administration cost	\$ -	\$ 146,592	\$ -	\$ 146,592	0%
(b) Land purchase/easement	\$ -	\$ -	\$ -	\$ -	0%
(c) Planning/Design/Engineering/Environmental Documentation	\$ -	\$ 510,371	\$ -	\$ 510,371	0%
(d) Construction/Implementation	\$ 2,641,352	\$ 2,028,648	\$ -	\$ 4,670,000	57%
(e) Environmental Compliance/Mitigation/Enhancement	\$ -	\$ 50,000	\$ -	\$ 50,000	0%
(f) Construction administration	\$ -	\$ 140,100	\$ -	\$ 140,100	0%
(g) Other costs	\$ -	\$ -	\$ -	\$ -	0%
(h) Construction/Implementation contingency	\$ 233,500		\$ -	\$ 233,500	100%
<b>(i) Grant total</b>	<b>\$ 2,874,852</b>	<b>\$ 2,875,711</b>	<b>\$ -</b>	<b>\$ 5,750,563</b>	<b>50%</b>

Note: All "non state funds" will be paid by SSWD

## 3.0 Explanation and support for stated costs

### Line (a) Direct administration cost

This line item includes efforts related to scheduling and coordinating the planning, permitting and design efforts; coordinating with regulatory agencies; stakeholder outreach and feedback coordination; issuance of bid documents; bid evaluation; obtaining board approvals; awarding construction contract/s; coordinating with construction administrator; construction close-out; processing of routine bills from contractors; grant administration; grant reporting and evaluation; general project communications. This includes time of SSWD's Project Manager, funding consultant, and an administrative assistant.

Table 4.2 Justification of "(a) Direct Administration Cost"					
Position	Hourly rate (\$)	Avg hrs per month (hrs)	Duration of project (months)	Total effort (hrs)	Total
Project Manager	\$ 147	16	36	576	\$ 84,672
Funding consultant	\$ 125	8	36	288	\$ 36,000
Administrative assistant	\$ 90	8	36	288	\$ 25,920
<b>TOTAL</b>					<b>\$ 146,592</b>

**Line (b) Land purchase/easement**

This proposed project is situated on property owned by SSWD so no temporary or permanent easements are anticipated.

**Line (c) Planning/Design/Engineering/ Environmental Documentation**

This tasks consists of the following sub-items:

1. Planning and preliminary design  
 Attachment 4-1 shows a summary of planning-level studies commissioned by South Sutter Water District after September 2008 pertaining to the proposed project. The total amount of these studies is \$67,000.
2. CEQA documentation and environmental permitting  
 A sum equal to 5% of construction cost has been used as an estimate of cost to be incurred for CEQA documentation and environmental permitting. This percentage is consistent with widely accepted practice for construction projects. A cost of \$233,500 has been estimated for this sub-item (based on 5% of construction estimate of \$4,670,000).
3. Final design  
 A cost of \$198,000 is assigned to this line item based on a current contract for this amount signed by SSWD with an engineering consultant.

**Line (d) Construction/Implementation**

A cost of \$4,670,000 has been estimated based on construction cost estimate prepared by SSWD's consultant, provided as Attachment 4-2.

**Line (e) Environmental compliance/mitigation/enhancement cost**

No significant mitigation effort is anticipated to arise in relation to the proposed project. A cost of \$50,000 has been estimated to cover cost of an environmental consultant and

biological monitors during construction. This amount is consistent with similar services provided for projects of this size.

**Line (f) Construction administration**

A sum equal to 3% of construction cost has been used as an estimate of cost to be incurred for construction administration. This percentage is consistent with widely accepted practice for construction projects. A cost of \$140,100 has been estimated for this sub-item (based on 3% of construction estimate of \$4,670,000).

**Line (g) Other costs**

There are no costs that are not covered in any of the other line items.

**Line (h) Construction/Implementation Contingency**

A sum equal to 5% of construction cost has been used as an estimate of construction contingency. This percentage is consistent with the level of design (90%). A cost of \$233,500 has been estimated for this sub-item (based on 5% of construction estimate of \$4,670,000).

Summary of consulting contracts for planning-level studies signed after Sep 30, 2008

<b>Group Project Long Name Header Field 1</b>	<b>Group Project Long Name Contract Amount</b>
Project Long Name: Spillway Adequacy Evaluation, South Sutter Water District	\$ 23,000
Project Long Name: Spillway Modifications, South Sutter Water District	\$ 44,000
Project Long Name: Evaluation of Obermeyer Spillway	\$ 12,800
<b>TOTAL</b>	<b>\$ 67,000</b>

South Sutter Water District  
Camp Far West Dam Spillway Modification Project  
Preliminary Cost Estimation

Item	Description	Quantity	Units	Adjusted Unit Cost	Total
	<b><u>General</u></b>				
	Mobilization/Demobilization @ 15%	1	LS	613,750	613,750
	<b><u>Demolition</u></b>				
	Demolition	2,500	CY	38	93,750
	Disposal	4,875	TON	44	213,281
	<b><u>Concrete</u></b>				
	Cast-In-Place Concrete	1,400	CY	625	875,000
	<b><u>8.5' Obermeyer Gates</u></b>				
	8.5' Obermeyer Gates w/ PLC Controls	1	LS	1,767,000	1,767,000
	30 days Installation Supervision/Training	1	LS	30,000	30,000
	Obermeyer Gate installation	1	LS	250,000	250,000
	<b><u>Equipment</u></b>				
	Control House	1	LS	37,500	37,500
	Air Supply Piping	540	LF	19	10,125

Rounded Total Construction Cost: 3,890,500

Engineering Design and Construction Support: 778,100

Rounded Total Project Cost: 4,670,000