

**CENTRAL VALLEY PROJECT  
SCHEDULE OF IRRIGATION ESTIMATED OPERATION & MAINTENANCE COSTS  
BY FACILITY AND/OR COMPONENT  
2009 IRRIGATION WATER RATES**

Facility/Contractor	Estimated O&M & Corps Expense 1/	Estimated Project Use Energy Cost Sch A-10/A-11	Total Estimated Costs
<b><u>Storage</u></b>			
American River (incl Sugar Pine D&R)	-	-	-
Black Butte Reservoir	\$548,947 2/	-	\$548,947
Buchanan Reservoir	323,200 2/	-	323,200
Clear Creek Tunnel	-	-	-
Columbia-Mowry System	213,206	\$10,611	223,817
Coleman National Fish Hatchery	4,396,514	-	4,396,514
Delta Cross Channel	90,426	-	90,426
Folsom D & R	883,858	-	883,858
Folsom Pipeline	-	-	-
Folsom Pumping Plant	492,285	-	492,285
Friant D & R	1,312,644	-	1,312,644
Gianelli, WR Pump Generator Plant	5/ -	2,301,249	2,301,249
Less: WRGPGP Dir Pump	5/ -	-	-
Regeneration Credit	-	(1,853,979)	(1,853,979)
Hidden Reservoir	172,900 2/	-	172,900
Hill, CA Whiskeytown Dam	251,154	-	251,154
New Melones D&R	1,321,312	202	1,321,514
Nimbus D&R	537,295	-	537,295
Sacramento River	669,343	-	669,343
San Joaquin River	145,797	-	145,797
Security Costs	2,894,145	-	2,894,145
Shasta D&R	1,229,310	76,137	1,305,447
Sisk, BF San Luis Dam	3,967,459	-	3,967,459
Stanislaus River Temp Mgmt	-	-	-
Trinity D&R	134,396	-	134,396
<b>Total Storage 6/</b>	<b>\$19,584,191</b>	<b>\$534,220</b>	<b>\$20,118,411</b>
<b><u>Conveyance</u></b>			
Delta-Mendota Canal	\$6,361	-	\$6,361
DMC Recirculation Study	145,031	-	145,031
Emergency Management (Delta Div)	-	-	-
Friant-Kern Canal	57,053	-	57,053
Handicap Accessibility (Delta Division)	-	-	-
Life Safety Codes	83,250	-	83,250
Red Bluff Diversion Dam	62,437	-	62,437
Red Bluff Pumping Plant	318,848	-	318,848

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<b><u>Conveyance (Continued)</u></b>	1/	Sch A-10/A-11	
South Delta Hydrodynamics	-	-	-
San Luis Canal	\$13,773	-	\$13,773
Tehama-Colusa Canal/Funks Dam	49,398	-	49,398
Tehama-Colusa Canal Fish Facilities	967	-	967
Conveyance (Direct Billed)	\$737,118		\$737,118
<b><u>Conveyance Pumping</u></b>			
Corning Pumping Plant	-	\$82,736	\$82,736
Dos Amigos Pumping Plant	\$9,825	2,326,419	2,336,244
O'Neill Pump Gen Plant - Federal	35,384	1,057,692	1,093,076
Jones Pumping Plant	1,544,565	-	1,544,565
Jones Pumping Plant Mitigation Program	1,149,657	8,536,871	9,686,528
Total Conveyance Pumping (Direct Billed)	\$2,739,431	\$12,003,719	\$14,743,150
<b><u>Direct Pumping</u></b>			
Colusa County WD	-	\$198,892	\$198,892
Corning WD	-	37,427	37,427
Cross Valley Canal Contractors (Dos Amigos & Banks)	-	136,046 4/	136,046
Dunnigan WD	-	2,504	2,504
Kanawha WD	-	11,502	11,502
Orland-Artois WD	-	48,853	48,853
Panoche WD	-	601	601
Proberta WD	-	3,262	3,262
San Benito County WD			
Gianelli, WR Pump Generator	-	67,784 3/	67,784
Gianelli, WR Pump Gen O&M	5/	-	-
Pacheco PP	-	108,438 3/	108,438
Glenn Valley WD			

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<b><u>Direct Pumping (Continued)</u></b>			
Santa Clara Valley WD			
Coyote PP	-	\$33,661 3/	\$33,661
Gianelli, WR Pump Generator	-	75,337 3/	75,337
Gianelli, WR Pump Gen O&M	5/ -	-	-
Pacheco PP	-	120,522 3/	120,522
San Luis WD	-	315,454	315,454
Westlands WD:			
Pleasant Valley PP	-	348,474	348,474
Pleasant Valley Relifts	-	37,418	37,418
SLC Relifts	-	1,804,498	1,804,498
Westside WD	-	14,520	14,520
Wintu PP (Bella Vista WD)	-	88,163	88,163
		<u>          </u>	<u>          </u>
Total Direct Pumping		\$3,453,357	\$3,453,357
<b><u>San Luis Drain &amp; Kesterson Reservoir</u></b>			
Kesterson Reservoir	\$212,000	-	\$212,000
San Luis Drain	<u>5,000</u>	<u>-</u>	<u>5,000</u>
Total San Luis Drain & Kesterson Reservoir	<u>\$217,000</u>	<u>-</u>	<u>\$217,000</u>
Sub-total	\$23,277,740	\$15,991,296	\$39,269,036
<b><u>Water Marketing Expense</u></b>			
Suisun Marsh Protection	\$699,050	-	\$699,050
Contract Administration	7,287,545	-	7,287,545
Water & Power Systems Control	5,189,534	-	5,189,534
Other Expenses	5,308,567	-	5,308,567
General Expense	7/ 589,712	-	589,712
Less: Non-Permanent Contractor Revenue	8/ (119,000)	-	(119,000)
		<u>          </u>	<u>          </u>
Total Water Marketing	\$18,955,408	-	\$18,955,408
Less: Direct Billed	<u>(3,476,549)</u>	<u>(12,003,719)</u>	<u>(15,480,268)</u>
<b>Grand Total</b>	<u>\$38,756,599</u>	<u>\$3,987,577</u>	<u>\$42,744,176</u>

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**FOOTNOTES**

- 1/ See Table 6, Allocated CVP Operation and Maintenance Costs, Fiscal Year 2009 (except Black Butte, Buchanan, and Hidden Reservoirs).  
2/ Estimated based on the most recent 5-year average of actual Irrigation O&M costs (Corps of Engineers) per the Financial Statement (Schedules 19 & 25).  
3/ Suballocation of San Felipe Unit Direct Pumping Costs:

Contractor	2009 Projected Deliveries (Sch A-12)	Ratios	Direct Pumping Allocation (Sch A-10) 6/			
			William R. Gianelli Pump-Generator Plant PUE	Pacheco PP	Coyote PP	Grand Total
San Benito County WD	21,652	0.47361	\$67,784	\$108,438	-	\$176,221
Santa Clara Valley WD	24,065	0.52639	75,337	120,522	\$33,661	229,521
<b>Total San Felipe</b>	<b>45,717</b>	<b>1.00000</b>	<b>\$143,121</b>	<b>\$228,960</b>	<b>\$33,661</b>	<b>\$405,743</b>
Total San Felipe	45,717	0.01696				
All Other Contractors	2,649,784	0.98304				
<b>Total Storage Del.</b>	<b>2,695,501</b>	<b>1.00000</b>				

- 4/ See Schedule A-11, Page 4, Footnote 4 for breakdown of costs by contractor.  
5/ O&M costs for Gianelli, WR Pump Generator plant were combined with the B.F. Sisk Dam and Reservoir. For San Felipe Unit, O&M for Gianelli, WR PGP will be included as part of storage and not under direct pumping as in previous years rates through 1999.  
6/ Storage Costs are broken down between San Felipe Unit Contractors and all others as follows:

	San Felipe Unit	All Other Contractors	Total
Projected 2009 Storage Deliveries	45,717	2,649,784	2,695,501
Ratios	0.01696	0.98304	1.00000
Allocated William R. Gianelli PG Costs:			
Project Use Energy Costs (Includes Regeneration Credit/Sch A-10)	*	\$2,301,249	\$2,301,249
Regeneration Credit	-	(1,853,979)	(1,853,979)
Allocated Other Storage O&M Costs	\$333,623	19,337,519	19,671,141
Total	\$333,623	\$19,784,789	\$20,118,411
Cost per Acre-foot	\$7.30	\$7.47	

\* San Felipe Unit contractors' share of the William R. Gianelli PG PUE has been included in the direct pumping section (See Schedule 11, page 5)

- 7/ General & Administrative (G&A) expenses have been incorporated into Water Marketing costs. Reimbursable costs are based on 18.5 percent of the total G&A costs included on Table 6 (see sources). Irrigation's share is based on the ratio of 2009 projected deliveries for Irrigation to the total Irrigation & M&I deliveries.  
8/ Non-permanent revenue was calculated using a three-year average of the most recent actual non-permanent revenue (from Schedule B-2) rounded to the nearest thousand. For each succeeding year, 1 year will be added to the calculation until this is back to a five year average.

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RECONCILIATION:

Adjustments to MP-3400 Data (Table 6)

	MP-3400 Data (Table 6)	Black Butte D&R a/	Buchanan Unit a/	Hidden Unit a/	Direct Billed	Other Adjustments c/	Ratesetting Total
Water Marketing & General Expense	\$20,251,162					(\$1,295,754)	\$18,955,408
Kesterson Reservoir	217,000						217,000
Storage	15,644,999 b/	\$548,947	\$323,200	\$172,900		2,894,145	19,584,191
Conveyance	737,118				(\$737,118)		
Conveyance Pumping	2,739,431				(2,739,431)		
Direct Pumping	N/A						
Fish & Wildlife	32,512					(32,512)	
<b>Total</b>	<b>\$39,622,222</b>	<b>\$548,947</b>	<b>\$323,200</b>	<b>\$172,900</b>	<b>(\$3,476,549)</b>	<b>\$1,565,879</b>	<b>\$38,756,599</b>

a/ For Black Butte D& R, Buchanan Unit, and Hidden Unit refer to "COE ALLOC" worksheet for details.

b/ Excludes \$815,814 for Black Butte D&R, \$572,736 for Buchanan Unit, and \$223,800 for Hidden Unit since costs are calculated based on a 5-year historical average.

c/ Water Marketing

Less: Non-Permanent Contractor Revenue	(\$119,000)
General Expense Adjustment	(1,176,754)
<b>Total</b>	<b>(\$1,295,754)</b>

<u>Storage</u>	
Add: Security costs	2,894,145.00

<u>Fish &amp; Wildlife</u>	
Less: Fisheries Mitigation	(32,512)
<b>Total</b>	<b>\$1,565,879</b>

Sources:

Sch A-12 (IRR & M&I)  
Sch A-11 ; Sch A-10

COE Allocation Support Sheet  
Allocated CVP Operation and Maintenance Costs, Fiscal Year 2009, Table 6