

**CENTRAL VALLEY PROJECT  
SCHEDULE OF IRRIGATION ESTIMATED OPERATION & MAINTENANCE COSTS  
BY FACILITY AND/OR COMPONENT  
2010 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	\$461,952 2/	-	\$461,952
Buchanan Reservoir	314,300 2/	-	314,300
Clear Creek Tunnel	-	-	-
Columbia-Mowry System	218,011	\$10,725	228,736
Coleman National Fish Hatchery	2,648,818	-	2,648,818
Delta Cross Channel	91,664	-	91,664
Folsom D & R	582,544	-	582,544
Folsom D & R (ARRA)	37,311	-	37,311
Folsom Pipeline	-	-	-
Folsom Pumping Plant	378,570	-	378,570
Friant D & R	1,348,013	-	1,348,013
Gianelli, WR Pump Generator Plant	5/ -	3,546,254	3,546,254
Less: WRGPGP Dir Pump	5/ -	-	-
Regeneration Credit	-	(2,989,675)	(2,989,675)
Hidden Reservoir	172,500 2/	-	172,500
Hill, CA Whiskeytown Dam	273,605	-	273,605
New Melones D&R	969,169	9,760	978,929
Nimbus D&R	699,229	-	699,229
Sacramento River	657,440	-	657,440
San Joaquin River	139,351	-	139,351
Security Costs	1,385,058	-	1,385,058
Shasta D&R	1,037,620	86,767	1,124,387
Shasta D&R (ARRA)	100,518	-	100,518
Sisk, BF San Luis Dam	4,010,554	-	4,010,554
Stanislaus River Temp Mgmt	-	-	-
Trinity D&R	118,012	-	118,012
<b>Total Storage 6/</b>	<b>\$15,644,239</b>	<b>\$663,831</b>	<b>\$16,308,070</b>
<b><u>Conveyance</u></b>			
Delta-Mendota Canal	\$15,866	-	\$15,866
DMC Recirculation Study	19,041	-	19,041
Emergency Management (Delta Div)	-	-	-
Friant-Kern Canal	56,956	-	56,956
Handicap Accessibility (Delta Division)	-	-	-
Life Safety Codes	-	-	-
Red Bluff Diversion Dam	49,908	-	49,908
Red Bluff Pumping Plant	-	-	-

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<b><u>Conveyance (Continued)</u></b>	1/	Sch A-10/A-11	
South Delta Hydrodynamics Fish Inv.	\$31,735	-	31,735
San Luis Canal	12,799	-	\$12,799
Tehama-Colusa Canal/Funks Dam	55,061	-	55,061
Tehama-Colusa Canal Fish Facilities	3,460	-	3,460
Conveyance (Direct Billed)	\$244,826		\$244,826
<b><u>Conveyance Pumping</u></b>			
Corning Pumping Plant	-	\$103,650	\$103,650
Dos Amigos Pumping Plant	-	1,753,820	1,753,820
O'Neill Pump Gen Plant - Federal	\$352,440	888,491	1,240,931
O'Neill Pump Gen Plant - Federal (ARRA)	54,628	-	54,628
Jones Pumping Plant	1,411,826	8,643,361	10,055,187
Jones Pumping Plant Mitigation Program	2,055,919	-	2,055,919
Total Conveyance Pumping (Direct Billed)	\$3,874,813	\$11,389,323	\$15,264,136
<b><u>Direct Pumping</u></b>			
Colusa County WD	-	\$250,197	\$250,197
Corning WD	-	51,667	51,667
Cross Valley Canal Contractors (Dos Amigos & Banks)	-	155,572 4/	155,572
Dunnigan WD	-	3,498	3,498
Kanawha WD	-	22,020	22,020
Orland-Artois WD	-	44,823	44,823
Panoche WD	-	952	952
Proberta WD	-	2,011	2,011
San Benito County WD			
Gianelli, WR Pump Generator	-	105,385 3/	105,385
Gianelli, WR Pump Gen O&M	5/	-	-
Pacheco PP	-	108,427 3/	108,427
Glenn Valley WD	-	-	-

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<b><u>Direct Pumping (Continued)</u></b>			
Santa Clara Valley WD			
Coyote PP	-	\$34,322 3/	\$34,322
Gianelli, WR Pump Generator	-	130,666 3/	130,666
Gianelli, WR Pump Gen O&M	5/ -	-	-
Pacheco PP	-	134,438 3/	134,438
San Luis WD	-	415,738	415,738
Westlands WD:			
Pleasant Valley PP	-	356,200	356,200
Pleasant Valley Relifts	-	37,048	37,048
SLC Relifts	-	1,808,203	1,808,203
Westside WD	-	16,282	16,282
Wintu PP (Bella Vista WD)	-	114,696	114,696
Total Direct Pumping	-	\$3,792,145	\$3,792,145
<b><u>San Luis Drain &amp; Kesterson Reservoir</u></b>			
Kesterson Reservoir	\$168,000	-	\$168,000
San Luis Drain	-	-	-
Total San Luis Drain & Kesterson Reservoir	\$168,000	-	\$168,000
Sub-total	\$19,931,879	\$15,845,299	\$35,777,177
<b><u>Water Marketing Expense</u></b>			
Suisun Marsh Protection	649,440	-	\$649,440
Contract Administration	6,980,761	-	6,980,761
Water & Power Systems Control	5,099,683	-	5,099,683
Other Expenses	4,493,329	-	4,493,329
General Expense	7/ 591,973	-	591,973
Less: Non-Permanent Contractor Revenue	8/ (162,000)	-	(162,000)
Total Water Marketing	\$17,653,186	-	\$17,653,186
Less: Direct Billed	(4,119,639)	(11,389,323)	(15,508,962)
<b>Grand Total</b>	<b>\$33,465,425</b>	<b>\$4,455,976</b>	<b>\$37,921,401</b>

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**FOOTNOTES**

- 1/ See Table 6, Allocated CVP Operation and Maintenance Costs, Fiscal Year 2010 (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	2010 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	19,409	0.44645	\$105,385	\$108,427	-	\$213,812
Santa Clara Valley WD	24,065	0.55355	130,666	134,438	\$34,322	299,426
<b>Total San Felipe</b>	<b>43,474</b>	<b>1.00000</b>	<b>\$236,051</b>	<b>\$242,865</b>	<b>\$34,322</b>	<b>\$513,238</b>
Total San Felipe	43,474	0.01749				
All Other Contractors	2,441,586	0.98251				
<b>Total Storage Del.</b>	<b>2,485,060</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 2010 Storage Deliveries	43,474	2,441,586	2,485,060
Ratios	0.01749	0.98251	1.00000
Allocated William R. Gianelli PG Costs:			
Project Use Energy Costs (Includes Regeneration Credit/Sch A-10)	*	\$3,546,254	\$3,546,254
Regeneration Credit	-	(2,989,675)	(2,989,675)
Allocated Other Storage O&M Costs	\$275,494	15,475,998	15,751,492
Total	\$275,494	\$16,032,576	\$16,308,070
Cost per Acre-foot	\$6.34	\$6.57	

\* 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 2010 projected deliveries for Irrigation to the total Irrigation & M&I deliveries.  
8/ Non-permanent revenue was calculated using a five-year average of the most recent actual non-permanent revenue (from Schedule B-2) rounded to the nearest thousand.

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**RECONCILIATION:**

Adjustments to MP-3400 Data (Table 6)

	MP-3400 Data (Table 6)	MP-3400 Data (Table 6) ARRA a/	Black Butte D&R c/	Buchanan Unit c/	Hidden Unit c/	Direct Billed	Other Adjustments d/	Ratesetting Total
Water Marketing & General Expense	\$19,022,986						(\$1,369,800)	\$17,653,186
Kesterson Reservoir	168,000							168,000
Storage	13,172,600 b/	1,378,293	\$461,952	\$314,300	\$172,500		144,594	15,644,239
Conveyance	244,826					(\$244,826)		
Conveyance Pumping	3,820,185	546,282				(3,874,813)	(491,654)	
Direct Pumping	N/A							
<b>Total</b>	<b>\$36,428,597</b>	<b>\$1,924,575</b>	<b>\$461,952</b>	<b>\$314,300</b>	<b>\$172,500</b>	<b>(\$4,119,639)</b>	<b>(\$1,716,860)</b>	<b>\$33,465,425</b>

a/ American Recovery and Reinvestment Act.

b/ Excludes \$698,975 for Black Butte D&R, \$519,232 for Buchanan Unit, and \$211,200 for Hidden Unit since costs are calculated based on a 5-year historical average.

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

d/

Water Marketing	
Less: Non-Permanent Contractor Revenue	(\$162,000)
General Expense Adjustment	(1,207,800)
<b>Total</b>	<b>(\$1,369,800)</b>
Storage	
Add: Security costs	1,385,058
Less: ARRA Not Included in Rates	(1,240,464)
<b>Total</b>	<b>\$144,594</b>
Conveyance Pumping	
Less: ARRA Not Included in Rates	(491,653.80)

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 2010, Table 6