

**CENTRAL VALLEY PROJECT  
SCHEDULE OF IRRIGATION ESTIMATED OPERATION & MAINTENANCE COSTS  
BY FACILITY AND/OR COMPONENT  
2008 IRRIGATION WATER RATES**

Facility/Contractor	Estimated O&M & Corps Expense <u>1/</u>	Estimated Project Use Energy Cost <u>Sch A-10/A-11</u>	Total Estimated Costs <u></u>
<b><u>Storage</u></b>			
American River (incl Sugar Pine D&R)			
Black Butte Reservoir	\$613,271 2/		\$613,271
Buchanan Reservoir	339,300 2/		339,300
Clear Creek Tunnel			
Columbia-Mowry System	204,305	\$9,703	214,008
Coleman National Fish Hatchery	3,997,895		3,997,895
Delta Cross Channel	87,794		87,794
Folsom D & R	510,843		510,843
Folsom Pipeline			
Folsom Pumping Plant	357,119		357,119
Friant D & R	1,322,415		1,322,415
Gianelli, WR Pump Generator Plant	5/	2,198,663	2,198,663
Less: WRGPGP Dir Pump Regeneration Credit	5/	(2,023,448)	(2,023,448)
Hidden Reservoir	168,300 2/		168,300
Hill, CA Whiskeytown Dam	193,834		193,834
New Melones D&R	732,926	590	733,516
Nimbus D&R	470,208		470,208
Sacramento River	347,843		347,843
San Joaquin River	141,908		141,908
Security Costs	2,836,705		2,836,705
Shasta D&R	2,120,720	81,362	2,202,082
Sisk, BF San Luis Dam	4,694,719		4,694,719
Stanislaus River Temp Mgmt	52,086		52,086
Trinity D&R	122,894		122,894
<b>Total Storage 6/</b>	<b>\$19,315,085</b>	<b>\$266,869</b>	<b>\$19,581,954</b>
<b><u>Conveyance</u></b>			
Delta-Mendota Canal	257,920		257,920
Emergency Management (Delta Div)	7,738		7,738
Friant-Kern Canal	56,730		56,730
Handicap Accessibility (Delta Division)	174,741		174,741
Life Safety Codes	82,900		82,900
Red Bluff Diversion Dam	82,900		82,900
Red Bluff Pumping Plant	287,663		287,663

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<b><u>Conveyance (Continued)</u></b>	1/	Sch A-10/A-11	
South Delta Hydrodynamics	\$64,480		\$64,480
San Luis Canal	16,723		16,723
Tehama-Colusa Canal/Funks Dam	49,134		49,134
Tehama-Colusa Canal Fish Facilities	5,666		5,666
Conveyance (Direct Billed)	\$1,086,595		\$1,086,595
<b><u>Conveyance Pumping</u></b>			
Corning Pumping Plant		56,349	56,349
Dos Amigos Pumping Plant		2,639,537	2,639,537
O'Neill Pump Gen Plant - Federal	8,729	1,287,763	1,296,492
Jones Pumping Plant - Federal	663,280	8,728,019	9,391,299
Total Conveyance Pumping (Direct Billed)	\$672,009	\$12,711,668	\$13,383,677
<b><u>Direct Pumping</u></b>			
Colusa County WD		180,066	180,066
Corning WD		28,168	28,168
Cross Valley Canal Contractors (Dos Amigos & Banks)		124,645 4/	124,645
Dunnigan WD		2,099	2,099
Kanawha WD		11,188	11,188
Orland-Artois WD		48,274	48,274
Panoche WD		645	645
Proberta WD		2,912	2,912
San Benito County WD			
Gianelli, WR Pump Generator		73,820 3/	73,820
Gianelli, WR Pump Gen O&M	5/		
Pacheco PP		53,740 3/	53,740
Glenn Valley WD			

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<b><u>Direct Pumping (Continued)</u></b>	1/	<u>Sch A-10/A-11</u>	
Santa Clara Valley WD			
Coyote PP		\$10,885 3/	\$10,885
Gianelli, WR Pump Generator		73,694 3/	73,694
Gianelli, WR Pump Gen O&M	5/		
Pacheco PP		53,648 3/	53,648
San Luis WD		311,915	311,915
Westlands WD:			
Pleasant Valley PP		410,722	410,722
Pleasant Valley Relifts		38,435	38,435
SLC Relifts		1,852,132	1,852,132
Westside WD		12,246	12,246
Wintu PP (Bella Vista WD)		<u>78,704</u>	<u>78,704</u>
Total Direct Pumping		\$3,367,938	\$3,367,938
 <b><u>San Luis Drain &amp; Kesterson Reservoir</u></b>			
Kesterson Reservoir	206,000		206,000
San Luis Drain			
Total San Luis Drain & Kesterson Reservoir	<u>\$206,000</u>		<u>\$206,000</u>
Sub-total	\$21,279,689	\$16,346,475	\$37,626,164
 <b><u>Water Marketing Expense</u></b>			
Suisun Marsh Protection	746,403		746,403
Contract Administration	7,696,540		7,696,540
Water & Power Systems Control	5,640,869		5,640,869
Other Expenses	6,169,676		6,169,676
General Expense	7/ 602,425		602,425
Less: Non-Permanent Contractor Revenue	8/ (92,000)		(92,000)
Total Water Marketing	<u>\$20,763,913</u>		<u>\$20,763,913</u>
Less: Direct Billed	<u>(1,758,604)</u>	<u>(12,711,668)</u>	<u>(14,470,272)</u>
 <b>Grand Total</b>	<u><u>\$40,284,998</u></u>	<u><u>\$3,634,807</u></u>	<u><u>\$43,919,805</u></u>

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**FOOTNOTES**

- 1/ See Table 6, Allocated CVP Operation and Maintenance Costs, Fiscal Year 2008 (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	2008 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	24,106	0.50043	\$73,820	\$53,740		\$127,561
Santa Clara Valley WD	24,065	0.49957	73,694	53,648	\$10,885	138,227
<b>Total San Felipe</b>	<b>48,171</b>	<b>1.00000</b>	<b>\$147,514</b>	<b>\$107,388</b>	<b>\$10,885</b>	<b>\$265,787</b>
Total San Felipe	48,171	0.01783				
All Other Contractors	2,653,641	0.98217				
<b>Total Storage Del.</b>	<b>2,701,812</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 2008 Storage Deliveries	48,171	2,653,641	2,701,812
Ratios	0.01783	0.98217	1.00000
Allocated William R. Gianelli PG Costs:			
Project Use Energy Costs (Includes Regeneration Credit/Sch A-10)	*	\$2,198,663	\$2,198,663
Regeneration Credit		(2,023,448)	(2,023,448)
Allocated Other Storage O&M Costs	\$346,022	19,060,717	19,406,739
Total	\$346,022	\$19,235,932	\$19,581,954
Cost per Acre-foot	7.18	7.25	

\* 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 2008 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	\$22,063,336					(\$1,299,423)	\$20,763,913
Kesterson Reservoir Storage	206,000						206,000
Conveyance	15,357,509 b/	\$613,271	\$339,300	\$168,300	(\$1,086,595)	2,836,705	19,315,085
Conveyance Pumping	1,086,595				(672,009)		
Direct Pumping	672,009						
Fish & Wildlife	N/A						
	37,613					(37,613)	
<b>Total</b>	<b>\$39,423,062</b>	<b>\$613,271</b>	<b>\$339,300</b>	<b>\$168,300</b>	<b>(\$1,758,604)</b>	<b>\$1,499,669</b>	<b>\$40,284,998</b>

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

b/ Excludes \$903,554 for Black Butte D&R, \$686,128 for Buchanan Unit, and \$289,800 for Hidden Unit since costs are calculated based on a 5-year historical average.

c/ Water Marketing

Less: Non-Permanent Contractor Revenue	(\$92,000)
General Expense Adjustment	(1,207,423)
<b>Total</b>	<b>(\$1,299,423)</b>

Storage	
Add: Security costs	2,836,705.00

<u>Fish &amp; Wildlife</u>	
Less: Fisheries Mitigation	(37,613)
<b>Total</b>	<b>\$1,499,669</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 2008, Table 6