

**CENTRAL VALLEY PROJECT
SCHEDULE OF IRRIGATION ESTIMATED OPERATION & MAINTENANCE COSTS
BY FACILITY AND/OR COMPONENT
2011 IRRIGATION WATER RATES**

A	B	C	D
Facility/Contractor	Estimated O&M & Corps Expense	Estimated Project Use Energy Cost	Total Estimated Costs
Ref		<Sch A-10 & A-11>	(B+C)
Storage			
American River	\$ -	\$ -	\$ -
Black Butte Reservoir	\$ 396,025.00	\$ -	\$ 396,025.00
Buchanan Reservoir	\$ 268,600.00	\$ -	\$ 268,600.00
Clear Creek Tunnel	\$ -	\$ -	\$ -
Columbia-Mowry System	\$ 219,618.00	\$ 12,585.46	\$ 232,203.46
Coleman National Fish Hatchery	\$ 2,736,615.00	\$ -	\$ 2,736,615.00
Delta Cross Channel	\$ 50,430.00	\$ -	\$ 50,430.00
Folsom D & R	\$ 409,497.00	\$ -	\$ 409,497.00
Folsom D & R (ARRA)	\$ -	\$ -	\$ -
Folsom Pipeline	\$ -	\$ -	\$ -
Folsom Pumping Plant	\$ 388,497.00	\$ -	\$ 388,497.00
Friant D & R	\$ 1,264,294.00	\$ -	\$ 1,264,294.00
Gianelli, WR Pump Generator Plant	3/ \$ -	\$ 2,144,837.26	\$ 2,144,837.26
Less: WRGPGP Dir Pump	3/ \$ -	\$ -	\$ -
Regeneration Credit	\$ -	\$ (1,711,665.62)	\$ (1,711,665.62)
Hidden Reservoir	\$ 176,000.00	\$ -	\$ 176,000.00
Hill, CA Whiskeytown Dam	\$ 265,216.00	\$ -	\$ 265,216.00
New Melones D&R	\$ 947,441.00	\$ 2,643.00	\$ 950,084.00
Nimbus D&R	\$ 102,464.00	\$ -	\$ 102,464.00
Sacramento River	\$ 702,784.00	\$ -	\$ 702,784.00
San Joaquin River	\$ 139,381.00	\$ -	\$ 139,381.00
Security Costs	\$ 1,429,764.60	\$ -	\$ 1,429,764.60
Shasta D&R	\$ 1,068,243.00	\$ 113,413.04	\$ 1,181,656.04
Sisk, BF San Luis Dam	\$ 5,079,661.00	\$ -	\$ 5,079,661.00
Stanislaus River Temp Mgmt	\$ -	\$ -	\$ -
Trinity D&R	\$ 85,070.00	\$ -	\$ 85,070.00
Total Storage 6/	\$ 15,729,600.60	\$ 561,813.14	\$ 16,291,413.73
Conveyance			
Delta-Mendota Canal	\$ -	\$ -	\$ -
DMC Recirculation Study	\$ 18,348.00	\$ -	\$ 18,348.00
Emergency Management (Delta Div)	\$ -	\$ -	\$ -
Friant-Kern Canal	\$ 75,379.00	\$ -	\$ 75,379.00
Handicap Accessibility (Delta Division)	\$ -	\$ -	\$ -
Life Safety Codes	\$ -	\$ -	\$ -
Red Bluff Diversion Dam	\$ 83,959.00	\$ -	\$ 83,959.00
Red Bluff Pumping Plant	\$ -	\$ -	\$ -
South Delta Hydrodynamics Fish Inv.	\$ 31,193.00	\$ -	\$ 31,193.00
San Luis Canal	\$ 12,791.00	\$ -	\$ 12,791.00
Tehama-Colusa Canal/Funks Dam	\$ 80,729.00	\$ -	\$ 80,729.00
Tehama-Colusa Canal Fish Facilities	\$ 6,098.00	\$ -	\$ 6,098.00
Conveyance (Direct Billed)	\$ 308,497.00	\$ -	\$ 308,497.00

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Ref		<Sch A-10 & A-11>	(B+C)
<u>Conveyance Pumping</u>			
Coming Pumping Plant	\$ -	\$ 183,695.30	\$ 183,695.30
Dos Amigos Pumping Plant	\$ -	\$ 1,719,125.87	\$ 1,719,125.87
O'Neill Pump Gen Plant - Federal	\$ -	\$ 1,092,241.38	\$ 1,092,241.38
O'Neill Pump Gen Plant - Federal (ARRA)	\$ -	\$ -	\$ -
Jones Pumping Plant	\$ -	\$ 9,847,844.83	\$ 9,847,844.83
Jones Pumping Plant Mitigation Program	\$ 1,692,485.00	\$ -	\$ 1,692,485.00
Total Conveyance Pumping (Direct Billed)	\$ 1,692,485.00	\$ 12,842,907.39	\$ 14,535,392.39
<u>Direct Pumping</u>			
Colusa County WD	\$ -	\$ 289,763.51	\$ 289,763.51
Coming WD	\$ -	\$ 45,040.08	\$ 45,040.08
Cross Valley Canal Contractors (Dos Amigos & Banks)	\$ -	\$ 140,461.89 2/	\$ 140,461.89
Dunnigan WD	\$ -	\$ 4,556.78	\$ 4,556.78
Kanawha WD	\$ -	\$ 26,985.07	\$ 26,985.07
Orland-Artois WD	\$ -	\$ 47,792.68	\$ 47,792.68
Panoche WD	\$ -	\$ 989.67	\$ 989.67
Proberta WD	\$ -	\$ 15,216.63	\$ 15,216.63
San Benito County WD			
Gianelli, WR Pump Generator	\$ -	\$ 63,888.21 1/	\$ 63,888.21
Gianelli, WR Pump Gen O&M	3/ \$ -	\$ -	\$ -
Pacheco PP	\$ -	\$ 162,881.37 1/	\$ 162,881.37
Glenn Valley WD	\$ -	\$ -	\$ -
Santa Clara Valley WD			
Coyote PP	\$ -	\$ 27,627.85 1/	\$ 27,627.85
Gianelli, WR Pump Generator	\$ -	\$ 74,667.87 1/	\$ 74,667.87
Gianelli, WR Pump Gen O&M	3/ \$ -	\$ -	\$ -
Pacheco PP	\$ -	\$ 190,363.85 1/	\$ 190,363.85
San Luis WD	\$ -	\$ 539,950.10	\$ 539,950.10
Westlands WD:			
Pleasant Valley PP	\$ -	\$ 254,155.07	\$ 254,155.07
Pleasant Valley Relifts	\$ -	\$ 41,068.17	\$ 41,068.17
SLC Relifts	\$ -	\$ 1,751,752.33	\$ 1,751,752.33
Westside WD	\$ -	\$ 18,773.78	\$ 18,773.78
Wintu PP (Bella Vista WD)	\$ -	\$ 92,096.16	\$ 92,096.16
Total Direct Pumping	\$ -	\$ 3,788,031.07	\$ 3,788,031.07

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Facility/Contractor	Estimated O&M & Corps Expense	Estimated Project Use Energy Cost	Total Estimated Costs
Ref		<Sch A-10 & A-11>	(B+C)
<u>San Luis Drain & Kesterson Reservoir</u>			
Kesterson Reservoir	\$ 135,000.00	\$ -	\$ 135,000.00
San Luis Drain	\$ -	\$ -	\$ -
Total San Luis Drain & Kesterson Reservoir	<u>\$ 135,000.00</u>	<u>\$ -</u>	<u>\$ 135,000.00</u>
Sub-total	\$17,865,583	\$ 17,192,751.59	\$ 35,058,334.19
<u>Water Marketing Expense</u>			
Suisun Marsh Protection	\$ 662,519.00	\$ -	\$ 662,519.00
Contract Administration	\$ 7,170,569.00	\$ -	\$ 7,170,569.00
Water & Power Systems Control	\$ 5,228,223.00	\$ -	\$ 5,228,223.00
Other Expenses	\$ 4,044,082.00	\$ -	\$ 4,044,082.00
General Expense	5/ \$ 552,813.60	\$ -	\$ 552,813.60
Less: Non-Permanent Contractor Revenue	6/ \$ (190,000.00)	\$ -	\$ (190,000.00)
Total Water Marketing	<u>\$ 17,468,206.60</u>	<u>\$ -</u>	<u>\$ 17,468,206.60</u>
Less: Direct Billed	<u>\$ (2,000,982.00)</u>	<u>\$ (12,842,907.39)</u>	<u>\$ (14,843,889.39)</u>
Grand Total	<u>\$ 33,332,807.20</u>	<u>\$ 4,349,844.21</u>	<u>\$ 37,682,651.41</u>

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FOOTNOTES

1/ Suballocation of San Felipe Unit Direct Pumping Costs:

Contractor	2011 Projected Deliveries (Sch A-12)	Ratios
San Benito County WD	16,079	0.46110
Santa Clara Valley WD	18,791	0.53890
Total San Felipe	34,870	1.00000
Total San Felipe	34,870	0.01569
All Other Contractors	2,187,893	0.98431
Total Storage Del.	2,222,762	1.00000

Direct Pumping Allocation (Sch A-10) 6/			
William R. Gianelli Pump-Generator Plant PUE	Pacheco PP	Coyote PP	Grand Total
\$ 63,888.21	\$ 162,881.37	\$ -	\$ 226,769.58
\$ 74,667.87	\$ 190,363.85	\$ 27,627.85	\$ 292,659.57
\$ 138,556.08	\$ 353,245.22	\$ 27,627.85	\$ 519,429.15

2/ See Schedule A-11, Page 4, Footnote 4 for breakdown of costs by contractor.

3/ 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.

4/ Storage Costs are broken down between San Felipe Unit Contractors and all others as follows:

	San Felipe Unit	All Other Contractors	Total
Projected 2011 Storage Deliveries	34,870	2,187,893	2,222,762
Ratios	0.01569	0.98431	1.00000
Allocated William R. Gianelli PG Costs:			
Project Use Energy Costs (Includes Regeneration Credit/Sch A-10)	-	\$ 2,144,837.26	\$ 2,144,837.26
Regeneration Credit	\$ -	\$ (1,711,665.62)	\$ (1,711,665.62)
Allocated Other Storage O&M Costs	\$ 248,818.00	\$ 15,609,426.00	\$ 15,858,242.00
Total	\$ 248,818.00	\$ 16,042,597.64	\$ 16,291,413.64
Cost per Acre-foot	\$ 7.14	\$ 7.33	

* 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)

5/ General & Administrative (G&A) expenses have been incorporated into Water Marketing costs. Reimbursable costs for Irrigation and M&I are based on 18.5 percent of the total G&A costs included on Table 6 (see source). Irrigation's share is based on the ratio of 2011 projected deliveries for Irrigation to the total Irrigation & M&I deliveries.

6/ 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	\$ 18,741,989.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$(1,273,782.40)	\$ 17,468,206.60
Kesterson Reservoir	\$ 135,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 135,000.00
Storage	\$ 13,459,211.00	b/ \$ -	\$ 398,025.00	\$ 268,600.00	\$ 176,000.00	\$ -	\$ 1,429,764.60	\$ 15,729,600.60
Conveyance	\$ 308,497.00	\$ -	\$ -	\$ -	\$ -	\$ (308,497.00)	\$ -	\$ -
Conveyance Pumping	\$ 1,692,485.00	\$ -	\$ -	\$ -	\$ -	\$ (1,692,485.00)	\$ -	\$ -
Direct Pumping	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 34,337,182.00	\$ -	\$ 398,025.00	\$ 268,600.00	\$ 176,000.00	\$ (2,000,982.00)	\$ 155,982.20	\$ 33,332,807.20

a/ American Recovery and Reinvestment Act.

b/ Excludes \$882,891 for Black Butte D&R, \$644,176 for Buchanan Unit, and \$259,560 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	\$ (190,000.00)
General Expense Adjustment	\$ (1,083,782.40)
Total	\$ (1,273,782.40)

Storage

Add: Security costs	\$ 1,429,764.60
Less: ARRA Not Included in Rates	\$ -
Total	\$ 1,429,764.60

Conveyance Pumping

Less: ARRA Not Included in Rates

COE Allocation Support Sheet

Allocated CVP Operation and Maintenance Costs, Fiscal Year 2011, Table 6