

**CENTRAL VALLEY PROJECT
SCHEDULE OF IRRIGATION ESTIMATED OPERATION & MAINTENANCE COSTS
BY FACILITY AND/OR COMPONENT
2004 IRRIGATION WATER RATES**

Facility/Contractor	Estimated O&M & Corps Expense	General Expense Allocation 9/		Sub-total	Estimated Project Use Energy Cost Sch A-10/A-11	Total Estimated Costs
		Ratio of Total	Allocated Amount			
Storage						
American River (incl Sugar Pine D&R)	1,067			1,067		1,067
Black Butte Reservoir	491,765 3/			491,765		491,765
Buchanan Reservoir	295,600 3/			295,600		295,600
C W P S C						
Clear Creek Tunnel						
Columbia-Mowry System	157,251			157,251	7,400	164,651
Coleman National Fish Hatchery	2,345,977			2,345,977		2,345,977
Delta Cross Channel	340,175			340,175		340,175
Folsom D&R	1,338,465			1,338,465		1,338,465
Folsom Pipeline						
Folsom Pumping Plant	355,738			355,738		355,738
Friant D&R	1,169,381			1,169,381		1,169,381
Gianelli, WR Pump Generator Plant		6/			1,940,443	1,940,443
Less: WRGPGP Dir Pump		6/				
Regeneration Credit					(1,408,375)	(1,408,375)
Hidden Reservoir	114,800 3/			114,800		114,800
Hill, CA Whiskeytown Dam	221,694			221,694		221,694
New Melones D&R	445,008			445,008	1,155	446,163
Nimbus D&R	436,003			436,003		436,003
Sacramento River	411,981			411,981		411,981
San Joaquin River	122,248			122,248		122,248
Shasta D&R	1,178,009			1,178,009	52,333	1,230,342
Sisk, BF San Luis Dam	4,490,006			4,490,006		4,490,006
TCD Feasibility Study						
Trinity D&R	341,437			341,437		341,437
Total Storage 7/	14,256,605			14,256,605	592,956	14,849,561
Conveyance						
Corning Canal						
Delta-Mendota Canal	211,794			211,794		211,794
Delta-Mendota Pool						
Friant-Kern Canal	57,047			57,047		57,047
Life Safety Codes	116,970			116,970		116,970
Little Panoche Crk Det Dam						
Los Banos Creek Det Dam						
Madera Canal						
O'Neill D&R						

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<u>Conveyance (Continued)</u>						
	1/					
Red Bluff Diversion Dam	240,958			240,958		240,958
Red Bluff Pumping Plant	230,821			230,821		230,821
San Luis Canal	11,854			11,854		11,854
San Luis Canal Turnouts						
Tehama-Colusa Canal/Funks Dam	101,336			101,336		101,336
Tehama-Colusa Canal Fish Facilities	5,084			5,084		5,084
Conveyance (Direct Billed)	975,864			975,864		975,864
<u>Conveyance Pumping</u>						
Corning Pumping Plant					46,448	46,448
Dos Amigos Pumping Plant					1,142,870	1,142,870
O'Neill Pump Gen Plant - Federal	122,158			122,158	553,988	676,146
Tracy Pumping Plant - Federal	327,280			327,280	4,854,126	5,181,406
Total Conveyance Pumping (Direct Billed)	449,438			449,438	6,597,431	7,046,869
<u>Direct Pumping</u>						
Colusa County WD					104,217	104,217
Contra Costa PP (Contra Costa WD)					1,200	1,200
Corning WD					18,017	18,017
Cross Valley Canal Contractors (Dos Amigos & Banks)					205,050 5/	205,050
Dunnigan WD					915	915
Kanawha WD					11,911	11,911
Orland-Artois WD					32,342	32,342
Panoche WD					511	511
Proberta WD					2,136	2,136
San Benito County WD						
Gianelli, WR Pump Generator					76,392 4/	76,392
Gianelli, WR Pump Gen O&M	6/					
Pacheco PP					68,843 4/	68,843
Glenn Valley WD					706	706

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<u>Direct Pumping (Continued)</u>						
Santa Clara Valley WD	1/					
Coyote PP					526 4/	526
Gianelli, WR Pump Generator					2,008 4/	2,008
Gianelli, WR Pump Gen O&M	6/					
Pacheco PP					1,809 4/	1,809
San Luis WD					166,570	166,570
Westlands WD:						
Pleasant Valley PP					184,068	184,068
Pleasant Valley Relifts					17,895	17,895
SLC Relifts					898,232	898,232
Westside WD					8,664	8,664
Wintu PP (Bella Vista WD)					44,226	44,226
Total Direct Pumping					1,846,237	1,846,237
<u>San Luis Drain & Kesterson Reservoir</u>						
Kesterson Reservoir	8/	532,000		532,000		532,000
San Luis Drain						
Total San Luis Drain & Kesterson Reservoir		532,000		532,000		532,000
Sub-total		16,213,907		16,213,907	9,036,623	25,250,530
<u>Water Marketing Expense</u>						
Suisun Marsh Protection		980,023		980,023		980,023
Contract Administration		7,131,801		7,131,801		7,131,801
Water & Power Systems Control		7,301,234		7,301,234		7,301,234
Other Expenses (Includes Sly Park)		7,536,363		7,536,363		7,536,363
General Expense	9/	519,694		519,694		519,694
Non-Permanent Contractor Revenue	10/	(2,300,000)		(2,300,000)		(2,300,000)
Trinity Public Utilities Assessment	11/	152,191		152,191		152,191
Total Water Marketing		21,321,306		21,321,306		21,321,306
Less: Direct Billed		(1,425,302)		(1,425,302)	(6,597,431)	(8,022,733)
Grand Total		36,109,911		36,109,911	2,439,193	38,549,104

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FOOTNOTES

- 1/ See Table 6, Allocated CVP Operation and Maintenance Costs, Fiscal Year 2004 (except Black Butte, Buchanan, and Hidden Reservoirs).
- 2/ Not used.
- 3/ 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).
- 4/ Suballocation of San Felipe Unit Direct Pumping Costs:

Contractor	2004 Projected Deliveries (Sch A-12)	Ratios	Direct Pumping Allocation (Sch A-10) 7/			Grand Total
			William R. Gianelli Pump-Generator Plant PUE	Pacheco PP	Coyote PP	
San Benito County WD	24,073	0.97439	76,392	68,843		145,234
Santa Clara Valley WD	633	0.02561	2,008	1,809	526	4,343
Total San Felipe	24,706	1.00000	78,400	70,652	526	149,577
Total San Felipe	24,706	0.00970				
All Other Contractors	2,521,714	0.99030				
Total Storage Del.	2,546,420	1.00000				

- 5/ See Schedule A-11, Page 4, Footnote 4 for breakdown of costs by contractor.
- 6/ 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.
- 7/ Storage Costs are broken down between San Felipe Unit Contractors and all others as follows:

Determination of Storage Rates	San Felipe Unit	All Other Contractors	Total
Projected 2004 Storage Deliveries	24,706	2,521,714	2,546,420
Ratios	0.00970	0.99030	1.00000
Allocated William R. Gianelli PG Costs:			
Project Use Energy Costs (Includes Regeneration Credit/Sch A-10)		1,940,443	1,940,443
Regeneration Credit		(1,408,375)	(1,408,375)
Allocated Other Storage O&M Costs	138,880	14,178,613	14,317,493
Total	138,880	14,710,681	14,849,561
Rate per Acre-foot	5.62	5.83	

- 8/ Kesterson Reservoir costs include site cleanup activities.
- 9/ 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 2004 projected deliveries for Irrigation to the total Irrigation & M&I deliveries.
- 10/ Non-permanent revenue was calculated using a 5-yr average of the most recent actual non-permanent revenue (from Schedule B-2) rounded to the nearest thousand.
- 11/ BOR's portion of the FY 2004 Trinity PUD assessment was allocated to Irrigation and M&I using projected deliveries for FY 2004.

Sources:
 Sch A-12 (IRR & M&I) COE Allocation Support Sheet
 Sch A-11 ; Sch A-10 Allocated CVP Operation and Maintenance Costs, Fiscal Year 2004, Table 6