

**CENTRAL VALLEY PROJECT
SCHEDULE OF IRRIGATION ESTIMATED OPERATION & MAINTENANCE COSTS
BY FACILITY AND/OR COMPONENT
2003 IRRIGATION WATER RATES**

Facility/Contractor	Estimated O&M & Corps Expense 1/	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)	910			910		910
Black Butte Reservoir	410,385 3/			410,385		410,385
Buchanan Reservoir	228,200 3/			228,200		228,200
C W P S C						
Clear Creek Tunnel	72,740			72,740		72,740
Columbia-Mowry System	149,841			149,841	8,712	158,553
Coleman National Fish Hatchery	1,970,505			1,970,505		1,970,505
Delta Cross Channel	264,278			264,278		264,278
Folsom D&R	1,404,328			1,404,328		1,404,328
Folsom Pipeline						
Folsom Pumping Plant	548,917			548,917		548,917
Friant D&R	1,030,193			1,030,193		1,030,193
Gianelli, WR Pump Generator Plant		6/			2,157,467	2,157,467
Less: WRGPGP Dir Pump Regeneration Credit		6/			(1,608,206)	(1,608,206)
Hidden Reservoir	122,300 3/			122,300		122,300
Hill, CA Whiskeytown Dam	218,798			218,798		218,798
New Melones D&R	686,443			686,443	811	687,254
Nimbus D&R	186,796			186,796		186,796
Sacramento River	403,441			403,441		403,441
San Joaquin River	116,038			116,038		116,038
Shasta D&R	1,523,702			1,523,702	68,085	1,591,787
Sisk, BF San Luis Dam	4,512,985			4,512,985		4,512,985
TCD Feasibility Study	17,230			17,230		17,230
Trinity D&R	117,272			117,272		117,272
Total Storage 7/	13,985,302			13,985,302	626,869	14,612,171
Conveyance						
Corning Canal						
Delta-Mendota Canal	214,029			214,029		214,029
Delta-Mendota Pool						
Friant-Kern Canal	57,346			57,346		57,346
Life Safety Codes	118,380			118,380		118,380
Little Panoche Crk Det Dam						
Los Banos Creek Det Dam						
Madera Canal						
O'Neill D&R						

**CENTRAL VALLEY PROJECT
SCHEDULE OF IRRIGATION ESTIMATED OPERATION & MAINTENANCE COSTS
BY FACILITY AND/OR COMPONENT
2003 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			
<u>Conveyance (Continued)</u>						
	1/					
Red Bluff Diversion Dam	202,035			202,035		202,035
Red Bluff Pumping Plant	229,657			229,657		229,657
San Luis Canal	11,843			11,843		11,843
San Luis Canal Turnouts						
Tehama-Colusa Canal/Funks Dam	102,023			102,023		102,023
Tehama-Colusa Canal Fish Facilities	5,015			5,015		5,015
Conveyance (Direct Billed)	940,328			940,328		940,328
<u>Conveyance Pumping</u>						
Corning Pumping Plant					48,799	48,799
Dos Amigos Pumping Plant					1,153,725	1,153,725
O'Neill Pump Gen Plant - Federal	368,872			368,872	574,125	942,997
Tracy Pumping Plant - Federal	656,436			656,436	4,981,110	5,637,546
Total Conveyance Pumping (Direct Billed)	1,025,308			1,025,308	6,757,759	7,783,067
<u>Direct Pumping</u>						
Colusa County WD					121,185	121,185
Contra Costa PP (Contra Costa WD)					1,617	1,617
Corning WD					22,213	22,213
Cross Valley Canal Contractors (Dos Amigos & Banks)					286,680 5/	286,680
Dunnigan WD					1,080	1,080
Kanawha WD					13,626	13,626
Orland-Artois WD					28,092	28,092
Panoche WD					540	540
Proberta WD					2,505	2,505
San Benito County WD						
Gianelli, WR Pump Generator					81,794 4/	81,794
Gianelli, WR Pump Gen O&M	6/					
Pacheco PP					83,361 4/	83,361
Glenn Valley WD					670	670

**CENTRAL VALLEY PROJECT
SCHEDULE OF IRRIGATION ESTIMATED OPERATION & MAINTENANCE COSTS
BY FACILITY AND/OR COMPONENT
2003 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			
<u>Direct Pumping (Continued)</u>						
Santa Clara Valley WD						
Coyote PP					8,861 4/	8,861
Gianelli, WR Pump Generator					31,683 4/	31,683
Gianelli, WR Pump Gen O&M	6/					
Pacheco PP					32,290 4/	32,290
San Luis WD					200,610	200,610
Westlands WD:						
Pleasant Valley PP					262,821	262,821
Pleasant Valley Relifts					22,791	22,791
SLC Relifts					1,136,050	1,136,050
Westside WD					10,073	10,073
Wintu PP (Bella Vista WD)					48,724	48,724
Total Direct Pumping					2,397,264	2,397,264
<u>San Luis Drain Expense</u>						
Kesterson Reservoir	8/	331,000		331,000		331,000
San Luis Drain						
Total San Luis Drain		331,000		331,000		331,000
Sub-total		16,281,938		16,281,938	9,781,891	26,063,829
<u>Water Marketing Expense</u>						
Suisun Marsh Protection		838,409.00		838,409		838,409
Contract Administration		6,138,595		6,138,595		6,138,595
Water & Power Systems Control		5,010,103		5,010,103		5,010,103
Other Expenses (Includes Sly Park)		8,283,442		8,283,442		8,283,442
General Expense	9/	581,497		581,497		581,497
Non-Permanent Contractor Revenue	10/	(2,000,000)		(2,000,000)		(2,000,000)
Trinity Public Utilities Assessment	11/	149,568		149,568		149,568
Total Water Marketing		19,001,614		19,001,614		19,001,614
Less: Direct Billed		(1,965,636)		(1,965,636)	(6,757,759)	(8,723,395)
Grand Total		33,317,916		33,317,916	3,024,132	36,342,048

**CENTRAL VALLEY PROJECT
SCHEDULE OF IRRIGATION ESTIMATED OPERATION & MAINTENANCE COSTS
BY FACILITY AND/OR COMPONENT
2003 IRRIGATION WATER RATES**

FOOTNOTES

- 1/ See Table 6, Allocated CVP Operation and Maintenance Costs, Fiscal Year 2003 (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	2003 Projected Deliveries (Sch A-12)	Ratios	Direct Pumping Allocation (Sch A-10) 7/			
			William R. Gianelli Pump-Generator Plant PUE	Pacheco PP	Coyote PP	Grand Total
San Benito County WD	24,869	0.72080	81,794	83,361		165,155
Santa Clara Valley WD	9,633	0.27920	31,683	32,290	8,861	72,833
Total San Felipe	34,502	1.00000	113,477	115,650	8,861	237,988
Total San Felipe	34,502	0.01314				
All Other Contractors	2,591,399	0.98686				
Total Storage Del.	2,625,901	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 w 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 Storage	All Other Contractors Storage	Total
Projected 2003 Storage Deliveries	34,502	2,591,399	2,625,901
Ratios	0.01314	0.98686	1.00000
Allocated William R. Gianelli PG Costs:			
Project Use Energy Costs (Includes Regeneration Credit/Sch A-10)		2,157,467	2,157,467
Regeneration Credit		(1,608,206)	(1,608,206)
Allocated Other Storage O&M Costs	184,787	13,878,123	14,062,910
Total	184,787	14,427,384	14,612,171
Rate per Acre-foot	5.36	5.57	

- 8/ Kesterson Reservoir costs were reduced from original budget to reflect revised 2003 budgeted costs for continuation of site cleanup activities per FY 2003 activity plan.
9/ General & Administrative (G&A) expenses have been incorporated into Water Marketing costs. Reimbursable costs are based on 15 percent of the total G&A costs included on Table 6 (see sources). Irrigation's share is based on the ratio of 2003 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 2003 Trinity PUD assessment was allocated to Irrigation and M&I using projected deliveries for FY 2003.

Sources:

Sch A-12	Sch A-12 (M&I)
Sch A-11	Sch A-10
COE Allocation Support Sheet	Allocated CVP Operation and Maintenance Costs, Fiscal Year 2003, Table 6