

**CENTRAL VALLEY PROJECT
SCHEDULE OF IRRIGATION ESTIMATED OPERATION & MAINTENANCE AND REPLACEMENT COSTS
BY FACILITY AND/OR COMPONENT
2002 IRRIGATION WATER RATES**

Facility/Contractor	Estimated O&M & Corps Expense 1/	General Expense Allocation 5/ Ratio of Total	Allocated Amount	Sub-total	Estimated Project Use Energy Cost Sch A-10/A-11	Total Estimated Costs
Storage						
American River (incl Sugar Pine D&R)				1,388		1,388
Black Butte Reservoir	3/		274,731	274,731		274,731
Buchanan Reservoir	3/		272,200	272,200		272,200
Buckhorn Debris Dam						2/
C V P/S W P Model/Data Development						2/
C W P S C						
Clear Creek Tunnel						
Columbia-Mowry System			153,512	153,512	9,711	163,223
Coleman National Fish Hatchery			1,658,492	1,658,492		1,658,492
Delta Cross Channel			306,196	306,196		306,196
F & W Mitigation (Reimbursable)						2/
Folsom D&R			548,435	548,435		548,435
Folsom Pipeline						
Folsom Pumping Plant			255,135	255,135		255,135
Friant D&R			973,178	973,178		973,178
Gianelli, WR Pump Generator Plant	7/				3,259,759	3,259,759
Less: WRGPGP Dir Pump	7/					
Regeneration Credit					(1,661,899)	(1,661,899)
Hidden Reservoir	3/		(11,300)	(11,300)		(11,300)
Hill, CA Whiskeytown Dam			203,330	203,330		203,330
New Melones D&R			367,213	367,213	4,180	371,393
Nimbus D&R			209,126	209,126		209,126
Provision for Replacement	3/					
Sacramento River			387,290	387,290		387,290
San Joaquin River			109,325	109,325		109,325
Shasta D&R			1,358,474	1,358,474	68,473	1,426,947
Sisk, BF San Luis Dam			4,418,368	4,418,368		4,418,368
Trinity D&R			92,855	92,855		92,855
Total Storage	8/		11,577,948	11,577,948	1,680,224	13,258,172
Conveyance						
Corning Canal						
Delta-Mendota Canal			162,200	162,200		162,200
Delta-Mendota Pool						
Friant-Kern Canal			104,662	104,662		104,662
Life Safety Codes			119,445	119,445		119,445
Little Panoche Crk Det Dam						
Los Banos Creek Det Dam						
Madera Canal						
O'Neill D&R						

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		Ratio of Total	Allocated Amount			
Red Bluff Diversion Dam	154,482			154,482		154,482
Red Bluff Pumping Plant	227,742			227,742		227,742
San Luis Canal	61,275			61,275		61,275
San Luis Canal Turnouts						
Tehama-Colusa Canal/Funks Dam	100,621			100,621		100,621
Tehama-Colusa Canal Fish Facilities	4,939			4,939		4,939
Conveyance (Direct Billed)	935,366			935,366		935,366
<u>Conveyance Pumping</u>	3/					
Corning Pumping Plant					53,746	53,746
Dos Amigos Pumping Plant					1,311,177	1,311,177
O'Neill Pump Gen Plant	14,432			14,432	755,299	769,731
Tracy Pumping Plant	337,237			337,237	6,633,432	6,970,669
Total Conveyance Pumping (Direct Billed)	351,669			351,669	8,753,654	9,105,323
<u>Direct Pumping</u>						
Colusa County WD					131,167	131,167
Contra Costa PP (Contra Costa WD)					1,726	1,726
Corning WD					26,815	26,815
Cross Valley Canal Contractors (Dos Amigos & Banks) 6/					525,557	525,557
Dunnigan WD					1,167	1,167
Kanawha WD					12,358	12,358
Orland-Artois WD					35,582	35,582
Panoche WD					504	504
Proberta WD					2,454	2,454
San Benito County WD 4/					110,754	110,754
Gianelli, WR Pump Generator						
Gianelli, WR Pump Gen O&M 7/						
Pacheco PP					64,839	64,839
Glenn Valley WD					489	489

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		Ratio of Total	Allocated Amount			
Santa Clara Valley WD	4/					
Coyote PP					5,392	5,392
Gianelli, WR Pump Generator					86,778	86,778
Gianelli, WR Pump Gen O&M	7/					
Pacheco PP					50,803	50,803
San Luis WD					264,985	264,985
Westlands WD:						
Pleasant Valley PP	3/				277,348	277,348
Pleasant Valley Relifts					22,792	22,792
SLC Relifts					1,184,364	1,184,364
Westside WD					11,270	11,270
Wintu PP (Bella Vista WD)					47,351	47,351
Total Direct Pumping					2,864,495	2,864,495
<u>San Luis Drain Expense</u>						
Kesterson Reservoir	9/	570,000		570,000		570,000
San Luis Drain						
Total San Luis Drain		570,000		570,000		570,000
Sub-total		13,434,983		13,434,983	13,298,373	26,733,356
<u>Water Marketing Expense</u>						
Contract Administration		5,494,439		5,494,439		5,494,439
Water & Power Systems Control		4,697,909		4,697,909		4,697,909
Other Expenses (Includes Sly Park)		9,653,678		9,653,678		9,653,678
General Expense	5/	603,967		603,967		603,967
Non-Permanent Contractor Revenue		(1,700,000)		(1,700,000)		(1,700,000)
Trinity Public Utilities Assessment		291,863		291,863		291,863
Total Water Marketing		19,041,857		19,041,857		19,041,857
Less: Direct Billed		(1,287,035)		(1,287,035)	(8,753,654)	(10,040,689)
Grand Total		31,189,805		31,189,805	4,544,719	35,734,523

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FOOTNOTES

- 1/ See Table 6, Allocated CVP Operation and Maintenance Costs, Fiscal Year 2002 provided by MP-3400 (CS).
- 2/ Moved from "Storage" to "Water Marketing" to allow recovery of costs from all users.
- 3/ See Support schedule for Allocation of Corps Storage Costs. Provision for Replacement Costs have been discontinued and are no longer shown on this schedule.
- 4/ Suballocation of San Felipe Unit Direct Pumping Costs:

Contractor	2002 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 Cty WD	23,036	0.56069	110,754	64,839		175,594
Santa Clara Vly WD	<u>18,049</u>	<u>0.43931</u>	<u>86,778</u>	<u>50,803</u>	<u>5,392</u>	<u>142,972</u>
Total San Felipe	<u>41,085</u>	<u>1.00000</u>	<u>197,532</u>	<u>115,642</u>	<u>5,392</u>	<u>318,566</u>
Total San Felipe	41,085	0.01506				
All Other Contractors	<u>2,686,708</u>	<u>0.98494</u>				
Total Storage Del.	<u>2,727,793</u>	<u>1.00000</u>				

- 5/ General and Administrative expenses incorporated into water marketing costs for FY 2002.
- 6/ See Schedule A-11, Page 3, Footnote 2 for breakdown of costs by contractor.
- 7/ 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.
- 8/ Storage Costs are broken down between San Felipe Unit Contractors and all others as follows:

	San Felipe Unit Storage	All Other Contractors Storage	Total
Determination of Storage Rates			
Projected 2002 Storage Deliveries	41,085	2,686,708	2,727,793
Ratios	<u>0.01506</u>	<u>0.98494</u>	<u>1.00000</u>
Allocated William R. Gianelli PG Costs:			
Project Use Energy Costs (Includes Regeneration Credit/Sch A-10)		3,259,759	3,259,759
Regeneration Credit		(1,661,899)	(1,661,899)
Allocated Other Storage O&M Costs	175,604	11,484,708	11,660,312
Total	<u>175,604</u>	<u>13,082,568</u>	<u>13,258,172</u>
Rate per Acre-foot	<u>4.27</u>	<u>4.87</u>	

- 9/ Kesterson Reservoir costs were reduced from original budget to more accurately reflect actual costs per input from SCAO program manager dated 12/10/01. The \$570,000 estimate (rounded down to the nearest thousand) was determined by taking an average of the actual costs over the last three years

Sources:

- Sch A-10
- Sch A-11
- Replace OM Support Sheet
- Allocated CVP Operation and Maintenance Costs, Fiscal Year 2002, Table 6
- Sch A-12
- Sch A-12 (M&I)