

**CENTRAL VALLEY PROJECT
SCHEDULE OF IRRIGATION ESTIMATED OPERATION & MAINTENANCE COSTS
BY FACILITY AND/OR COMPONENT
2012 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)
<u>Storage</u>				
	Black Butte Reservoir	\$ 384,340	\$ -	\$ 384,340
	Buchanan Reservoir	\$ 165,400	\$ -	\$ 165,400
	Clair A. Hill Whiskeytown Dam	\$ 288,064	\$ -	\$ 288,064
	Columbia-Mowry System	\$ 142,344	\$ 11,143	\$ 153,487
	Coleman National Fish Hatchery	\$ 3,363,631	\$ -	\$ 3,363,631
	Delta Cross Channel	\$ 79,380	\$ -	\$ 79,380
	Folsom D & R	\$ 424,620	\$ -	\$ 424,620
	Folsom Pumping Plant	\$ 401,097	\$ -	\$ 401,097
	Friant D & R	\$ 1,283,534	\$ -	\$ 1,283,534
	Gianelli, WR Pump Generator Plant	\$ -	\$ 3,318,067	\$ 3,318,067
	Less: WRGPGP Dir Pump	\$ -	\$ -	\$ -
	Regeneration Credit	\$ -	\$ (2,361,805)	\$ (2,361,805)
	Hidden Reservoir	\$ 98,400	\$ -	\$ 98,400
	New Melones D&R	\$ 853,283	\$ 1,852	\$ 855,135
	New Melones Long Term Operating Plan	\$ 112,091	\$ -	\$ 112,091
	Nimbus D&R	\$ 103,950	\$ -	\$ 103,950
	Sacramento River	\$ 718,931	\$ -	\$ 718,931
	San Joaquin River	\$ 122,018	\$ -	\$ 122,018
	San Luis Unit - Other Routine O&M Costs - Joint	\$ 3,988,822	\$ -	\$ 3,988,822
	Security Costs	\$ 1,757,669	\$ -	\$ 1,757,669
	Shasta D&R	\$ 1,092,469	\$ 87,561	\$ 1,180,030
	Trinity D&R & Clair Eagle Lake	\$ 87,242	\$ -	\$ 87,242
2/	Total Storage	\$ 15,467,285	\$ 1,056,818	\$ 16,524,104
<u>Conveyance</u>				
	Friant-Kern Canal	\$ 56,767	\$ -	\$ 56,767
	Red Bluff Diversion Dam	\$ 89,610	\$ -	\$ 89,610
	Red Bluff Pumping Plant	\$ -	\$ -	\$ -
	South Delta Hydrodynamics Fish Inv.	\$ 1,223	\$ -	\$ 1,223
	San Luis Canal	\$ 12,791	\$ -	\$ 12,791
	Tehama-Colusa Canal/Funks Dam	\$ 82,430	\$ -	\$ 82,430
	Tehama-Colusa Canal Fish Facilities	\$ 6,237	\$ -	\$ 6,237
	Total Conveyance	\$ 249,058	\$ -	\$ 249,058
	Less: Direct Billed	\$ (249,058)	\$ -	\$ (249,058)
	Net Conveyance	\$ -	\$ -	\$ -

**CENTRAL VALLEY PROJECT
SCHEDULE OF IRRIGATION ESTIMATED OPERATION & MAINTENANCE COSTS
BY FACILITY AND/OR COMPONENT
2012 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)
<u>Conveyance Pumping</u>			
Corning Pumping Plant	\$ -	\$ 149,158	\$ 149,158
Dos Amigos Pumping Plant	\$ -	\$ 2,141,726	\$ 2,141,726
O'Neill Pump Gen Plant - Federal	\$ -	\$ 1,209,321	\$ 1,209,321
O'Neill Pump Gen Plant - Federal (ARRA)	\$ -	\$ -	\$ -
Jones Pumping Plant	\$ -	\$ 10,419,470	\$ 10,419,470
Jones Pumping Plant Mitigation Program	\$ 1,198,190	\$ -	\$ 1,198,190
Total Conveyance Pumping	\$ 1,198,190	\$ 13,919,675	\$ 15,117,865
Less: Direct Billed	\$ (1,198,190)	\$ (13,919,675)	\$ (15,117,865)
Net Conveyance Pumping	\$ -	\$ -	\$ -
<u>Direct Pumping</u>			
Colusa County WD	\$ -	\$ 235,739	\$ 235,739
Corning WD	\$ -	\$ 42,948	\$ 42,948
Cross Valley Canal Contractors (Dos Amigos & Banks)	\$ -	\$ 296,536	\$ 296,536
Dunnigan WD	\$ -	\$ 3,922	\$ 3,922
Kanawha WD	\$ -	\$ 32,161	\$ 32,161
Orland-Artois WD	\$ -	\$ 35,562	\$ 35,562
Panoche WD	\$ -	\$ 790	\$ 790
Proberta WD	\$ -	\$ 4,172	\$ 4,172
San Benito County WD			
Gianelli, WR Pump Generator	1/ \$ -	\$ 95,853	\$ 95,853
Pacheco PP	1/ \$ -	\$ 64,535	\$ 64,535
Santa Clara Valley WD			
Coyote PP	1/ \$ -	\$ 17,278	\$ 17,278
Gianelli, WR Pump Generator	1/ \$ -	\$ 137,315	\$ 137,315
Pacheco PP	1/ \$ -	\$ 92,450	\$ 92,450
San Luis WD	\$ -	\$ 459,361	\$ 459,361
Westlands WD:			
Pleasant Valley PP	\$ -	\$ 401,296	\$ 401,296
Pleasant Valley Relifts	\$ -	\$ 39,641	\$ 39,641
SLC Relifts	\$ -	\$ 1,908,767	\$ 1,908,767
Westside WD	\$ -	\$ 13,563	\$ 13,563
Wintu PP (Bella Vista WD)	\$ -	\$ 79,067	\$ 79,067
Total Direct Pumping	\$ -	\$ 3,960,955	\$ 3,960,955
<u>San Luis Drain</u>			
San Luis Drain	\$ 200,000	\$ -	\$ 200,000
Total San Luis Drain	\$ 200,000	\$ -	\$ 200,000
Sub-total	\$ 15,667,285	\$ 5,017,773	\$ 20,685,058

**CENTRAL VALLEY PROJECT
SCHEDULE OF IRRIGATION ESTIMATED OPERATION & MAINTENANCE COSTS
BY FACILITY AND/OR COMPONENT
2012 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)
Extraordinary O&M				
Storage				
	Delta Cross Channel	\$ 286,676	\$ -	\$ 286,676
	Folsom Pumping Plant	\$ -	\$ 26,691	\$ 26,691
	Spring Creek Power Plant	\$ -	\$ 12,765	\$ 12,765
	Total Ex O&M Storage: 2/	\$ 286,676	\$ 39,456	\$ 326,132
Conveyance				
	San Luis Canal	\$ 295,170	\$ -	\$ 295,170
	Total Ex O&M Conveyance:	\$ 295,170	\$ -	\$ 295,170
Conveyance Pumping				
	Corning Pumping Plant	\$ -	\$ 5,569	\$ 5,569
	Dos Amigos Pumping Plant	\$ -	\$ 79,961	\$ 79,961
	O'Neill Pump-Gen Plt	\$ -	\$ 45,150	\$ 45,150
	Jones Pumping Plant	\$ 727,825	\$ 389,011	\$ 1,116,836
	Total Ex O&M Conveyance Pumping:	\$ 727,825	\$ 519,691	\$ 1,247,516
Direct Pumping				
	Gianelli PGP - SFU	\$ -	\$ 8,705	\$ 8,705
	Colusa CWD (Incl. Arb./Will O&M Office)	\$ -	\$ 8,801	\$ 8,801
	Corning WD	\$ -	\$ 1,603	\$ 1,603
	Dunnigan WD	\$ -	\$ 146	\$ 146
	Kanawha WD	\$ -	\$ 1,201	\$ 1,201
	Orland-Artois WD	\$ -	\$ 1,328	\$ 1,328
	Panoche WD - SLC	\$ -	\$ 29	\$ 29
	Westside WD	\$ -	\$ 506	\$ 506
	Pleasant Valley PP	\$ -	\$ 14,982	\$ 14,982
	Pleasant Valley Relifts	\$ -	\$ 1,480	\$ 1,480
	Proberta WD	\$ -	\$ 156	\$ 156
	San Luis WD Relifts	\$ -	\$ 17,150	\$ 17,150
	State-Delta PP - Cross Valley Canal	\$ -	\$ 7,321	\$ 7,321
	Westlands WD Relifts	\$ -	\$ 71,264	\$ 71,264
	Wintu PP	\$ -	\$ 2,952	\$ 2,952
	Dos Amigos PP - Cross Valley Canal	\$ -	\$ 3,750	\$ 3,750
	Pacheco PP	\$ -	\$ 5,861	\$ 5,861
	Coyote PP	\$ -	\$ 645	\$ 645
	Total Ex O&M Direct Pumping:	\$ -	\$ 147,882	\$ 147,882
Total Extraordinary O&M:		\$ 1,309,671	\$ 707,030	\$ 2,016,701

**CENTRAL VALLEY PROJECT
SCHEDULE OF IRRIGATION ESTIMATED OPERATION & MAINTENANCE COSTS
BY FACILITY AND/OR COMPONENT
2012 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)
ARRA Funded O&M (RAX) 5/			
Storage			
Shasta Dam	\$ 31,733	\$ -	\$ 31,733
Folsom Dam	\$ 106,317	\$ -	\$ 106,317
New Melones Powerplant	\$ -	\$ 1,377	\$ 1,377
Total ARRA Storage: 2/	\$ 138,050	\$ 1,377	\$ 139,427
Conveyance			
San Luis Canal	\$ -	\$ -	\$ -
Total ARRA Conveyance:	\$ -	\$ -	\$ -
Conveyance Pumping			
Corning Pumping Plant	\$ -	\$ 13	\$ 13
Dos Amigos Pumping Plant	\$ -	\$ 901	\$ 901
O'Neill Pump-Gen Plt	\$ 37,159	\$ 391	\$ 37,550
Jones Pumping Plant	\$ -	\$ 3,079	\$ 3,079
Total ARRA Conveyance Pumping:	\$ 37,159	\$ 4,384	\$ 41,543
Direct Pumping			
Bella Vista WD (Wintu PP)	\$ -	\$ 29	\$ 29
Colusa County WD Canalside Relifts	\$ -	\$ 39	\$ 39
Colusa Service Area - Cortina	\$ -	\$ -	\$ -
Colusa Service Area - Davis	\$ -	\$ -	\$ -
Contra Costa Pumping Plants	\$ -	\$ -	\$ -
Corning WD Canalside Relifts	\$ -	\$ 19	\$ 19
Dunnigan WD Canalside Relifts	\$ -	\$ 0	\$ 0
Kanawha WD Canalside Relifts	\$ -	\$ 5	\$ 5
Orland-Artois WD Canalside Relifts	\$ -	\$ 11	\$ 11
Panoche WD Relifts	\$ -	\$ 0	\$ 0
Proberta WD Canalside Relifts	\$ -	\$ 1	\$ 1
San Benito County WD	\$ -	\$ 60	\$ 60
San Luis WD Canalside Relifts & Turnouts	\$ -	\$ 153	\$ 153
Santa Clara Valley WD	\$ -	\$ 53	\$ 53
State-Delta Pumping Plant (Cross Valley Canal)	\$ -	\$ 114	\$ 114
Westlands WD	\$ -	\$ 489	\$ 489
Westside WD Canalside Relifts	\$ -	\$ 6	\$ 6
Total ARRA Direct Pumping:	\$ -	\$ 981	\$ 981
Total ARRA:	\$ 175,209	\$ 6,741	\$ 181,950

**CENTRAL VALLEY PROJECT
SCHEDULE OF IRRIGATION ESTIMATED OPERATION & MAINTENANCE COSTS
BY FACILITY AND/OR COMPONENT
2012 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)
<u>Water Marketing Expense</u>			
Suisun Marsh Protection	\$ 605,242	\$ -	\$ 605,242
Contract Administration	\$ 7,659,969	\$ -	\$ 7,659,969
Water & Power Systems Control	\$ 4,724,240	\$ -	\$ 4,724,240
Other Expenses	\$ 3,240,116	\$ -	\$ 3,240,116
General Expense 3/	\$ 540,432	\$ -	\$ 540,432
Less: Non-Permanent Contractor Revenue 4/	\$ (225,000)	\$ -	\$ (225,000)
Total Water Marketing	\$ 16,544,999	\$ -	\$ 16,544,999
Grand Total	\$ 33,697,164	\$ 5,731,544	\$ 39,428,708

**CENTRAL VALLEY PROJECT
SCHEDULE OF IRRIGATION ESTIMATED OPERATION & MAINTENANCE COSTS
BY FACILITY AND/OR COMPONENT
2012 IRRIGATION WATER RATES**

FOOTNOTES

1/ Suballocation of San Felipe Unit Direct Pumping Costs:

Contractor	2012 Projected Deliveries (Sch A-12)	Ratios	Direct Pumping Allocation (Sch A-10)			
			William R. Gianelli Pump-Generator Plant PUE	Pacheco PP	Coyote PP	Grand Total
San Benito County WD	13,733	0.41109	\$ 95,852.95	\$ 64,534.84	\$ -	\$ 160,387.79
Santa Clara Valley WD	19,673	0.58891	\$ 137,314.85	\$ 92,449.85	\$ 17,277.57	\$ 247,042.27
Total San Felipe	33,406	1.00000	\$ 233,167.80	\$ 156,984.69	\$ 17,277.57	\$ 407,430.06
Total San Felipe	33,406	0.01577				
All Other Contractors	2,084,462	0.98423				
Total Storage Del.	2,117,868	1.00000				

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

	San Felipe Unit Storage	All Other Contractors Storage	Total
Projected 2012 Storage Deliveries	33,406	2,084,462	2,117,868
Ratios	0.01577	0.98423	1.00000
Allocated William R. Gianelli PG Costs:			
Project Use Energy Costs (Includes Regeneration Credit/Sch A-10)	*	\$ 3,318,066.54	\$ 3,318,066.54
Regeneration Credit	\$ -	\$ (2,361,805.35)	\$ (2,361,805.35)
Allocated Storage O&M Costs	\$ 245,504.87	\$ 15,322,337.48	\$ 15,567,842.35
Extraordinary O&M	\$ 5,143.11	\$ 320,989.22	\$ 326,132.33
ARRA	\$ 2,198.76	\$ 137,228.20	\$ 139,426.96
Total	\$ 252,846.74	\$ 16,736,816.09	\$ 16,989,662.84
Cost per Acre-foot	\$ 7.57	\$ 8.03	

* San Felipe Unit contractors' share of the William R. Gianelli PG PUE has been included in the direct pumping section (See Schedule 11, page 4)

3/ 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 . Irrigation's share is based on the ratio of 2012 projected deliveries for Irrigation to the total Irrigation & M&I deliveries.

4/ 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.

5/ One-tenth of Irrigation allocable share of FY 2012 ARRA costs of \$1,819,503 included in water rate.