

CENTRAL VALLEY PROJECT  
SCHEDULE OF ESTIMATED M&I PROJECT USE ENERGY COSTS  
DIRECT PUMPING  
2011 M&I WATER RATES

A	B	C	D	E	F	G	H	I	J	K
Projected 2011 Deliveries (Schedule A-12)										
	Contra Costa PP	Dos Amigos PP	Pleasant Valley PP	San Luis WD Relifts	State-Delta PP	T-C Canal Relifts		Westlands WD Relifts	Wintu PP	Shasta PP
						Colusa County WD	Kanawha WD			
Ref	<Sch A-12>	<Sch A-12>	<Sch A-12>	<Sch A-12>	<Sch A-12>	<Sch A-12>	<Sch A-12>	<Sch A-12>	<Sch A-12>	<Sch A-12>
<b>Contra Costa Canal</b>										
Contra Costa WD	87,340									
<b>Cow Creek Unit</b>										
Bella Vista WD									2,315	
<b>Cross Valley Canal 4/</b>										
County of Fresno		300				300				
County of Tulare		673				673				
<b>San Luis Canal - Fresno</b>										
City of Coalinga Westlands WD			6,774					3,020		
<b>San Luis Canal - Tracy</b>										
San Luis WD				620						
<b>Tehama-Colusa Canal</b>										
Colusa County WD Kanawha WD						113		4		
<b>Toyon Pipeline</b>										
City of Shasta Lake										2,555
2011 Deliveries	87,340	973	6,774	620	973	113	4	3,020	2,315	2,555
Est. FY 2011 Costs	\$ 699,419	\$ 2,181	\$ 31,086	\$ 7,233	\$ 2,142	\$ 886	\$ 4	\$ 8,683	\$ 27,719	\$ 40,212
Cost Per A/F	\$ 8.01	\$ 2.24	\$ 4.59	\$ 11.67	\$ 2.20	\$ 7.88	\$ 0.94	\$ 2.88	\$ 11.97	\$ 15.74

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	Acre-Feet		Ratio of Acre-Feet			Total \$	For Water Ratesetting	
	M&I	Irrigation	M&I	Irrigation	Total		M&I	Irrigation
<b>Used in Schedule A-10</b>								
<b>Storage:</b>								
Friant D&R	174	N/A	100.00%	-	100.00%	\$ 12,344	\$ 12,344	\$ -
Shasta D&R (Includes Jdg F Carr PH)	1,745	3,155	35.61%	64.39%	100.00%	\$ 176,147	\$ 62,734	\$ 113,413
Columbia Mowry (Based on Avg. KWH's)	79,381	562,166	12.37%	87.63%	100.00%	\$ 14,363	\$ 1,777	\$ 12,585
Folsom Pump Plant	42,415	N/A	100.00%	-	100.00%	\$ 141,744	\$ 141,744	\$ -
New Melones Dam & Reservoir	N/A	34,789	-	100.00%	100.00%	\$ 2,643	\$ -	\$ 2,643
Gianelli WR Pump-Gen Plt	9,989	539,782	1.82%	98.18%	100.00%	\$ 2,184,530	\$ 39,693	\$ 2,144,837
Regen. Credit - San Luis PP	9,989	539,782	1.82%	98.18%	100.00%	\$ (1,743,342)	\$ (31,676)	\$ (1,711,666)
SFU Gianelli WR PGP (Direct Pumping)	91,543	34,870	72.42%	27.58%	100.00%	\$ -	\$ -	\$ -
<b>Conveyance Pumping:</b>								
Corning Pump Plant	N/A	16,336	-	100.00%	100.00%	\$ 183,695	\$ -	\$ 183,695
Dos Amigos Pump Plant	13,677	766,396	1.75%	98.25%	100.00%	\$ 1,749,806	\$ 30,680	\$ 1,719,126
O'Neill Pump-Gen Plt	105,813	805,987	11.60%	88.40%	100.00%	\$ 1,391,210	\$ 161,448	\$ 1,229,761
Regen. Credit - O'Neill Pump-Gen Plt	105,813	805,987	11.60%	88.40%	100.00%	\$ (155,574)	\$ (18,054)	\$ (137,520)
Jones Pump Plant	186,187	1,783,759	9.45%	90.55%	100.00%	\$ 10,742,612	\$ 1,015,324	\$ 9,727,288
In-Lieu of Tracy Pumping	-	-	-	-	-	\$ 120,557	\$ -	\$ 120,557
<b>Out-of-Basin Pumping:</b>								
Coyote PP	43,610	9,396	82.27%	17.73%	100.00%	\$ 155,863	\$ 128,235	\$ 27,628
Pacheco PP	91,543	34,870	72.42%	27.58%	100.00%	\$ 1,280,611	\$ 927,366	\$ 353,245
<b>Used in Schedule A-11 Page 1</b>								
<b>Direct Pumping:</b>								
Glenn Valley WD	N/A	930	-	100.00%	100.00%	\$ -	\$ -	\$ -
Gianelli PGP - SFU	9,989	539,782	1.82%	98.18%	100.00%	\$ 502,304	\$ 363,748	\$ 138,556
Contra Costa PP	87,340	N/A	100.00%	-	100.00%	\$ 699,419	\$ 699,419	\$ -
Colusa CWD (Incl. Arb./Will O&M Office)	113	36,779	0.30%	99.70%	100.00%	\$ 290,650	\$ 886	\$ 289,764
Corning WD	N/A	11,110	-	100.00%	100.00%	\$ 45,040	\$ -	\$ 45,040
Dunnigan WD	N/A	12,106	-	100.00%	100.00%	\$ 4,557	\$ -	\$ 4,557
Kanawha WD	4	28,693	0.01%	99.99%	100.00%	\$ 26,989	\$ 4	\$ 26,985
Orland-Artois WD	N/A	32,714	-	100.00%	100.00%	\$ 47,793	\$ -	\$ 47,793
Panoche WD - SLC	N/A	41,479	-	100.00%	100.00%	\$ 990	\$ -	\$ 990
Westside WD	N/A	38,073	-	100.00%	100.00%	\$ 18,774	\$ -	\$ 18,774
Pleasant Valley PP	6,774	55,387	10.90%	89.10%	100.00%	\$ 285,241	\$ 31,086	\$ 254,155
Pleasant Valley Relifts	N/A	12,963	-	100.00%	100.00%	\$ 41,068	\$ -	\$ 41,068
Proberta WD	N/A	2,244	-	100.00%	100.00%	\$ 15,217	\$ -	\$ 15,217
San Luis WD Relifts	620	46,286	1.32%	98.68%	100.00%	\$ 547,183	\$ 7,233	\$ 539,950
State-Delta PP - Cross Valley Canal	973	31,591	2.99%	97.01%	100.00%	\$ 71,741	\$ 2,142	\$ 69,598
Westlands WD Relifts	3,020	609,261	0.49%	99.51%	100.00%	\$ 1,760,435	\$ 8,683	\$ 1,751,752
Wintu PP	2,315	7,693	23.13%	76.87%	100.00%	\$ 119,815	\$ 27,719	\$ 92,096
City of Shasta Lake (Shasta PP)	2,555	N/A	100.00%	-	100.00%	\$ 40,212	\$ 40,212	\$ -
Dos Amigos PP - Cross Valley Canal	-	-	-	-	-	\$ 73,045	\$ 2,181	\$ 70,864
Reimbursable Billing	-	-	-	-	-	\$ 6,813	\$ -	\$ -
Project General	-	-	-	-	-	\$ 10,281	\$ -	\$ -
Nonreimbursable F&W	-	-	-	-	-	\$ 35,225	\$ -	\$ -
						<b>\$ 20,900,000</b>	<b>\$ 3,654,928</b>	<b>\$ 17,192,752</b>

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**FOOTNOTES**

- 1/ Irrigation contractor receives class 2 water which is not charged for the storage component.
- 2/ According to MP-2810 (CB 06/93) only 70% of San Luis Canal Deliveries are stored in B.F. Sisk San Luis Reservoir and, therefore, require pumping by the WR Gianelli Pump-Generator.
- 3/ Excludes estimated San Luis WD deliveries before Dos Amigos. The calculation reflects the relationship between actual deliveries versus actual exclusions over a five year period.

		620			
	Less	593			
		27			
	<b>M&amp;I Deliveries *</b>				
	<b>Total</b>	<b>Excluded</b>	<b>Ratio</b>	<b>Estimated Exclusion</b>	
2005	822	781			
2006	1,367	1,319			
2007	1,212	1,164			
2008	1,123	1,078			
2009	737	688			
	5,261	5,030	0.956092	593	
		14,270	-	593	=
					13,677

\* Provided annually by Stacey Smith, CVOCO. Refer to Pool\_09.xls.

- 4/ Delivery Base has been modified. See Footnote 5/ on Schedule A-12 and associated MP-3400 Standard Operating Procedure (SOP). Refer to IRR Sch A-11 for allocation of costs between Irrigation and M&I.