

CENTRAL VALLEY PROJECT  
SCHEDULE OF ESTIMATED M&I PROJECT USE ENERGY COSTS  
DIRECT PUMPING  
2009 M&I WATER RATES

	Projected 2009 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			
<b><u>Contra Costa Canal</u></b>										
Contra Costa WD	87,905									
<b><u>Cow Creek Unit</u></b>										
Bella Vista WD									1,559	
<b><u>Cross Valley Canal</u></b> 6/										
County of Fresno		300			300					
County of Tulare		673			673					
<b><u>San Luis Canal - Fresno</u></b>										
City of Coalinga			7,614							
Westlands WD								3,020		
<b><u>San Luis Canal - Tracy</u></b>										
San Luis WD				620						
<b><u>Tehama-Colusa Canal</u></b>										
Colusa County WD						113				
Kanawha WD							5			
<b><u>Toyon Pipeline</u></b>										
City of Shasta Lake										2,832
2009 Deliveries	87,905	973	7,614	620	973	113	5	3,020	1,559	2,832
Est. FY 2009 Costs	\$323,825	\$2,171	\$29,831	\$2,964	\$976	\$509	\$2	\$6,742	\$12,643	\$26,889
Cost Per A/F	\$3.68	\$2.23	\$3.92	\$4.78	\$1.00	\$4.53	\$0.34	\$2.23	\$8.11	\$9.50

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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	210	N/A	100.00%	-	100.00%	\$7,486	\$7,486	-
Shasta D&R (Includes Jdg F Carr PH)	2,072	4,151	33.30%	66.70%	100.00%	114,145	38,008	\$76,137
Columbia Mowry (Based on Avg. KWH's)	90,394	648,723	12.23%	87.77%	100.00%	12,090	1,479	10,611
Folsom Pump Plant	42,154	N/A	100.00%	-	100.00%	29,689	29,689	-
New Melones Dam & Reservoir	N/A	26,359	-	100.00%	100.00%	202	-	202
Gianelli WR Pump-Gen Plt	10,719	735,092	1.44%	98.56%	100.00%	2,334,805	33,557	2,301,249
Regen. Credit - San Luis PP	10,719	735,092	1.44%	98.56%	100.00%	(1,881,013)	(27,035)	(1,853,979)
SFU Gianelli WR PGP (Direct Pumping)	100,973	45,717	68.83%	31.17%	100.00%			
<b>Conveyance Pumping:</b>								
Corning Pump Plant	N/A	16,856	-	100.00%	100.00%	82,736	-	82,736
Dos Amigos Pump Plant	14,724	1,042,256	1.39%	98.61%	100.00%	2,359,285	32,865	2,326,419
O'Neill Pump-Gen Plt	116,286	1,095,849	9.59%	90.41%	100.00%	1,249,993	119,918	1,130,075
Regen. Credit - O'Neill Pump-Gen Plt	116,286	1,095,849	9.59%	90.41%	100.00%	(80,064)	(7,681)	(72,383)
Jones Pump Plant	198,104	2,146,137	8.45%	91.55%	100.00%	9,296,381	785,606	8,510,774
In-Lieu of Tracy Pumping						26,097	-	26,097
<b>Out-of-Basin Pumping:</b>								
Coyote PP	48,020	12,033	79.96%	20.04%	100.00%	167,999	134,337	33,661
Pacheco PP	100,973	45,717	68.83%	31.17%	100.00%	734,651	505,690	228,960
<b>Used in Schedule A-11 Page 1</b>								
<b>Direct Pumping:</b>								
Glenn Valley WD	N/A	1,268		100.00%	100.00%			
Gianelli PGP - SFU						459,223	316,102	143,121
Contra Costa PP	87,905		100.00%	-	100.00%	323,825	323,825	-
Colusa CWD (Incl. Arb./Will O&M Office)	113	43,928	0.26%	99.74%	100.00%	199,401	509	198,892
Corning WD	N/A	10,902	-	100.00%	100.00%	37,427	-	37,427
Dunnigan WD	N/A	14,250	-	100.00%	100.00%	2,504	-	2,504
Kanawha WD	5	33,735	0.01%	99.99%	100.00%	11,503	2	11,502
Orland-Artois WD	N/A	39,750	-	100.00%	100.00%	48,853	-	48,853
Panoche WD - SLC	N/A	57,076	-	100.00%	100.00%	601	-	601
Westside WD	N/A	48,560	-	100.00%	100.00%	14,520	-	14,520
Pleasant Valley PP	7,614	88,943	7.89%	92.11%	100.00%	378,306	29,831	348,474
Pleasant Valley Relifts	N/A	21,846	-	100.00%	100.00%	37,418	-	37,418
Proberta WD	N/A	2,625	-	100.00%	100.00%	3,262	-	3,262
San Luis WD Relifts	620	65,987	0.93%	99.07%	100.00%	318,418	2,964	315,454
State-Delta PP - Cross Valley Canal						43,186	976	42,210
Westlands WD Relifts	3,020	808,287	0.37%	99.63%	100.00%	1,811,240	6,742	1,804,498
Wintu PP	1,559	10,874	12.54%	87.46%	100.00%	100,806	12,643	88,163
City of Shasta Lake (Shasta PP)	2,832	N/A	100.00%	-	100.00%	26,889	26,889	-
Dos Amigos PP - Cross Valley Canal						96,007	2,171	93,836
Reimbursable Billing						3,749		
Project General						7,029		
Nonreimbursable F&W						21,351		
						<b>\$18,400,000</b>	<b>\$2,376,575</b>	<b>\$15,991,296</b>

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**FOOTNOTES**

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- 1/ See ratios in the storage section on page 2.
- 2/ Irrigation contractor receives class 2 water which is not charged for the storage component.
- 3/ 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.
- 4/ 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 - 589 = 31 ).

	M&I Deliveries *		Ratio	Estimated Exclusion
	Total	Excluded		
2003	687	630		
2004	789	743		
2005	822	781		
2006	1,367	1,319		
2007 *	<u>1,212</u>	<u>1,164</u>		
	<u>4,877</u>	<u>4,637</u>	<u>0.95079</u>	<u>589</u>
		15,313 -	=	14,724

\* Provided annually by Stacey Smith, CVOCO. Refer to Pool\_06.xls.

- 5/ It was determined in late 2000 that Shasta PP serves the City of Shasta Lake exclusively and accordingly is not a pooled storage cost. As a result, PUE O&M will proactively be allocated to this contractor beginning 2001.
- 6/ 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.
- 7/ Refer to IRR Sch A-11 for allocation of costs between Irrigation and M&I.

Source:  
M&I Sch. A-12  
IRR Sch. A-11