M&I 2012 Sch A-11 F.Z14.XLSM
01/03/2012

CENTRAL VALLEY PROJECT
SCHEDULE OF ESTIMATED M&I DIRECT PUMPING COSTS
2012 M&I WATER RATES

A	B	C	D	E	F	G	H	I	J	K
	Projected 2012 Deliveries (Schedule A-12)									
	Contra Costa PP	Dos Amigos PP	Pleasant Valley PP	San Luis WD Relifts	State-Delta PP	T-C Canal Relifts Colusa County WD	T-C Canal Relifts Kanawha WD	Westlands WD Relifts	Wintu PP	Shasta PP
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>
Contra Costa Canal										
Contra Costa WD	88,074									
Cow Creek Unit										
Bella Vista WD									2,890	
Cross Valley Canal										
County of Fresno		300			300					
County of Tulare		673			673					
San Luis Canal - Fresno										
City of Coalinga			6,523							
Westlands WD								2,911		
San Luis Canal - Tracy										
San Luis WD				620						
Tehama-Colusa Canal										
Colusa County WD						113				
Kanawha WD							5			
Toyon Pipeline										
City of Shasta Lake										2,494
2012 Deliveries	88,074	973	6,523	620	973	113	5	2,911	2,890	2,494
Est. ARRA Cost	$ 1,840	$ -	$ 6	$ 18	$ 9	$ 1	$ 0	$ 25	$ 147	$ 117
Est. 2012 XO&M Cost	$ 13,799	$ 95	$ 1,605	$ 217	$ 185	$ 21	$ 0	$ 310	$ 982	$ 1,475
Est. FY 2012 Costs	$ 540,760	$ 3,178	$ 53,825	$ 7,292	$ 6,203	$ 716	$ 5	$ 10,385	$ 32,920	$ 49,479
Total	$ 556,400	$ 3,273	$ 55,436	$ 7,527	$ 6,397	$ 738	$ 5	$ 10,720	$ 34,048	$ 51,072
Cost Per A/F	$ 6.32	$ 3.37	$ 8.50	$ 12.14	$ 6.58	$ 6.56	$ 1.18	$ 3.68	$ 11.78	$ 20.48

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A	B	C	D	E	F	G	H	I	J
		Acre-Feet		Ratio of Acre-Feet				For Water Ratesetting	
		M&I	Irrigation	M&I	Irrigation	Total	Total $	M&I	Irrigation
Ref		<Sch A-12>	<Sch A-12>	(C/(C+D))	(D/(C+D))	(E+F)	<Meter Costs>	(E*H)	(F*H)
Used in Schedule A-10									
Storage:									
Friant D&R	1/	169	N/A	100.00%	-	100.00%	$ 10,131	$ 10,131	$ -
Shasta D&R (Includes Jdg F Carr PH)		1,847	3,164	36.86%	63.14%	100.00%	$ 138,687	$ 51,125	$ 87,561
Columbia Mowry (Based on Avg. KWH's)		71,919	528,090	11.99%	88.01%	100.00%	$ 12,661	$ 1,518	$ 11,143
Folsom Pump Plant		41,918	N/A	100.00%	-	100.00%	$ 41,644	$ 41,644	$ -
New Melones Dam & Reservoir		N/A	35,645	-	100.00%	100.00%	$ 1,852	$ -	$ 1,852
Gianelli WR Pump-Gen Plt		9,688	475,380	2.00%	98.00%	100.00%	$ 3,385,684	$ 67,618	$ 3,318,067
Regen. Credit - San Luis PP		9,688	475,380	2.00%	98.00%	100.00%	$ (2,409,936)	$ (48,130)	$ (2,361,805)
SFU Gianelli WR PGP (Direct Pumping)		105,415	33,406	75.94%	24.06%	100.00%	$ -	$ -	$ -
Conveyance Pumping:									
Corning Pump Plant		N/A	16,031	-	100.00%	100.00%	$ 149,158	$ -	$ 149,158
Dos Amigos Pump Plant	2/	13,248	675,471	1.92%	98.08%	100.00%	$ 2,183,733	$ 42,007	$ 2,141,726
O'Neill Pump-Gen Plt		119,254	712,520	14.34%	85.66%	100.00%	$ 1,448,329	$ 207,651	$ 1,240,678
Regen. Credit - O'Neill Pump-Gen Plt		119,254	712,520	14.34%	85.66%	100.00%	$ (36,605)	$ (5,248)	$ (31,357)
Jones Pump Plant		198,152	1,663,800	10.64%	89.36%	100.00%	$ 11,292,342	$ 1,201,752	$ 10,090,590
In-Lieu of Tracy Pumping		-	-	-	-	-	$ 328,879	$ -	$ 328,879
Out-of-Basin Pumping:									
Coyote PP		50,953	9,837	83.82%	16.18%	100.00%	$ 106,774	$ 89,496	$ 17,278
Pacheco PP		105,415	33,406	75.94%	24.06%	100.00%	$ 652,359	$ 495,374	$ 156,985
Used in Schedule A-11 Page 1									
Direct Pumping:									
Glenn Valley WD		N/A	1,075	-	100.00%	100.00%	$ -	$ -	$ -
Gianelli PGP - SFU							$ 968,943	$ 735,775	$ 233,168
Contra Costa PP		88,074	N/A	100.00%	-	100.00%	$ 462,760	$ 462,760	$ -
Colusa CWD (Incl. Arb./Will O&M Office)		113	37,050	0.30%	99.70%	100.00%	$ 236,455	$ 716	$ 235,739
Corning WD		N/A	10,983	-	100.00%	100.00%	$ 42,948	$ -	$ 42,948
Dunnigan WD		N/A	10,622	-	100.00%	100.00%	$ 3,922	$ -	$ 3,922
Kanawha WD		5	28,267	0.02%	99.98%	100.00%	$ 32,166	$ 5	$ 32,161
Orland-Artois WD		N/A	30,520	-	100.00%	100.00%	$ 35,562	$ -	$ 35,562
Panoche WD - SLC		N/A	39,566	-	100.00%	100.00%	$ 790	$ -	$ 790
Westside WD		N/A	39,054	-	100.00%	100.00%	$ 13,563	$ -	$ 13,563
Pleasant Valley PP		6,523	48,636	11.83%	88.17%	100.00%	$ 455,121	$ 53,825	$ 401,296
Pleasant Valley Relifts		N/A	11,383	-	100.00%	100.00%	$ 39,641	$ -	$ 39,641
Proberta WD		N/A	2,170	-	100.00%	100.00%	$ 4,172	$ -	$ 4,172
San Luis WD Relifts		620	39,056	1.56%	98.44%	100.00%	$ 466,653	$ 7,292	$ 459,361
State-Delta PP - Cross Valley Canal (Manual Input)		973	30,739	3.07%	96.93%	100.00%	$ 202,284	$ 6,203	$ 196,081
Westlands WD Relifts		2,911	534,993	0.54%	99.46%	100.00%	$ 1,919,152	$ 10,385	$ 1,908,767
Wintu PP		2,890	6,942	29.40%	70.60%	100.00%	$ 111,987	$ 32,920	$ 79,067
City of Shasta Lake (Shasta PP)		2,494	N/A	100.00%	-	100.00%	$ 49,479	$ 49,479	$ -
Dos Amigos PP - Cross Valley Canal		-	-	-	-	-	$ 103,633	$ 3,178	$ 100,455
Reimbursable Billing		-	-	-	-	-	$ 5,908	$ -	$ -
Project General		-	-	-	-	-	$ 7,828	$ -	$ -
Nonreimbursable F&W		-	-	-	-	-	$ 31,339	$ -	$ -
							$ 22,500,000	$ 3,517,476	$ 18,937,449

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FOOTNOTES

1/ Irrigation contractor receives class 2 water which is not charged for the storage component.

2/ 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	591
	29

	M&I Deliveries *			
	Total	Excluded	Ratio	Estimated Exclusion
2006	1,367	1,319		
2007	1,212	1,164		
2008	1,123	1,078		
2009	737	688		
2010	561	514		
	5,000	4,763	0.952600	591

13,839 - 591 = 13,248

* Provided annually by CVOCO.