

**CENTRAL VALLEY PROJECT  
SCHEDULE OF ESTIMATED IRRIGATION PROJECT USE ENERGY COSTS  
DIRECT PUMPING  
2008 IRRIGATION WATER RATES**

2008 Projected Deliveries Schedule A-12									
Facility/Contractor	Wintu PP	Tehama-Colusa Canal Relifts						Corning Canal Relifts	
		Colusa County WD	Dunnigan WD	Glenn Valley WD	Kanawha WD	Orland- Artois WD	Westside WD	Corning WD	Proberta WD
<b>Corning Canal</b>									
Corning WD								9,500	
Proberta WD									2,625
<b>Cow Creek Unit</b>									
Bella Vista WD	11,328								
<b>Tehama-Colusa Canal</b>									
Colusa County WD		41,354							
Dunnigan WD			14,250						
Glenn Valley WD				1,143					
Kanawha WD					33,735				
Orland-Artois WD						39,750			
Westside WD							47,093		
<b>Total Deliveries</b>	<b>11,328</b>	<b>41,354</b>	<b>14,250</b>	<b>1,143</b>	<b>33,735</b>	<b>39,750</b>	<b>47,093</b>	<b>9,500</b>	<b>2,625</b>
Est. 2008 Project Use Energy Cost	\$78,704	\$180,066	\$2,099	\$0	\$11,188	\$48,274	\$12,246	\$28,168	\$2,912
Cost Per A/F	\$6.95	\$4.35	\$0.15	\$0.00	\$0.33	\$1.21	\$0.26	\$2.97	\$1.11

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2008 Projected Deliveries Schedule A-12								
San Luis Canal Relifts								
Facility/Contractor	Panoche WD	San Luis WD	Westlands WD 1/			Total	Cross Valley Contractors 4/	
			Westlands WD Relifts	Pleasant Valley PP	Pleasant Valley Rlfts		State Delta PP	Dos Amigos PP
<b>Cross Valley Canal</b>								
County of Fresno							797	797
County of Tulare							1,380	1,380
Hills Valley ID							1,561	1,561
Kern-Tulare ID							12,114	12,114
Lower Tule River ID - CV							10,174	10,174
Pixley ID							9,330	9,330
Rag Gulch WD							3,666	3,666
Tri-Valley WD							336	336
<b>San Luis Canal</b>								
Panoche WD -SLC	60,293							
San Luis WD - SLC		68,772						
Westlands WD - SLC			782,156	107,207	21,139	889,363		
Westlands WD - SLC (DD#2)			1,846	253	50	2,099		
Total Deliveries	60,293	68,772	784,002	107,460	21,189	891,462	39,358	39,358
Estimated 2008 Project Use Energy Cost	\$645	\$311,915	\$1,852,132	\$410,722	\$38,435	\$2,301,290	\$22,708	\$101,936
Cost Per A/F	\$0.01	\$4.54				\$2.58	4/	4/

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**FOOTNOTES**

1/ Westlands WD & (DD#2) deliveries are based on firm supplies:

	<u>Ratios</u>	<u>Allocated 2008 WWD Deliveries</u>	<u>Allocated 2008 WWD (DD #2) Deliveries</u>
	3/		
Westlands WD Relifts:			
High Side - Relift Pumps	0.28014	249,142	588
Low Side (LS) - Gravity Feed	<u>0.59932</u>	<u>533,014</u>	<u>1,258</u>
Subtotal	0.87946	782,156	1,846
Pleasant Valley PP:			
High Side - Relift Pump	0.02377	21,139	50
Coalinga Canal, LS - Gravity	<u>0.09677</u>	<u>86,067</u>	<u>203</u>
Subtotal (Pleasant Valley PP)	<u>0.12054</u>	<u>107,207</u>	<u>253</u>
Total - WWD Deliveries	<u>1.0000</u>	<u>889,363</u>	<u>2,099</u>

2/ Excludes Pleasant Valley Relifts deliveries as they are included with Pleasant Valley Pumping Plant.

3/ Refer to Schedule A-5 worksheet "KWHSPERAF".

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**FOOTNOTES - Cont.**

4/ Dos Amigos and State Delta PP Costs:

2008 PUE Estimate

	Dos Amigos PP	State Delta PP
Direct Billed	\$2,676,753	\$26,107
Cross Valley Canal 2006 Projected Cost	\$104,455	\$23,269
<b>Total</b>	<b>\$2,781,208</b>	<b>\$49,377</b>

**Cross Valley Canal**

	Dos Amigos PP 2008 Projection	State Delta PP 2008 Projection	Projected 2008 Deliveries	Rate Per A/F		
				Dos Amigos PP	State Delta PP	Total
<b>Irrigation</b>						
County of Fresno	\$2,063	\$460	797	2.59	0.58	3.17
County of Tulare	3,575	796	1,380	2.59	0.58	3.17
Hills Valley ID	4,044	901	1,561	2.59	0.58	3.17
Kern-Tulare ID	31,374	6,989	12,114	2.59	0.58	3.17
Lower Tule River ID - CV	26,350	5,870	10,174	2.59	0.58	3.17
Pixley ID	24,165	5,383	9,330	2.59	0.58	3.17
Rag Gulch WD	9,494	2,115	3,666	2.59	0.58	3.17
Tri-Valley WD	870	194	336	2.59	0.58	3.17
<b>Total Irrigation</b>	<b>\$101,936</b>	<b>\$22,708</b>	<b>39,358</b>			
<b>M &amp; I</b>						
County of Fresno	\$777	\$173	300	2.59	0.58	3.17
County of Tulare	1,742	388	673	2.59	0.58	3.17
<b>Total M&amp;I</b>	<b>2,519</b>	<b>561</b>	<b>973</b>			
<b>Grand Total</b>	<b>\$104,455</b>	<b>\$23,269</b>	<b>40,330</b>			

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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 10</b>									
<b>Storage:</b>									
Friant D&R	2/	237		100.00%		100.00%	7,396.41	7,396.41	
Shasta D&R (Includes Jdg F Carr PH)		2,099	4,181	33.42%	66.58%	100.00%	122,209.13	40,847.10	81,362.02
Columbia Mowry (Based on Avg. KWH's)		90,953	671,449	11.93%	88.07%	100.00%	11,017.11	1,314.31	9,702.80
Folsom Pump Plant		39,879		100.00%		100.00%	34,884.57	34,884.57	
New Melones Dam & Reservoir			18,873		100.00%	100.00%	589.63		589.63
Gianelli WR Pump-Gen Plt	3/	10,468	717,978	1.44%	98.56%	100.00%	2,230,718.09	32,055.52	2,198,662.57
Regen. Credit - San Luis PP		10,468	717,978	1.44%	98.56%	100.00%	(2,052,948.96)	(29,500.97)	(2,023,447.99)
SFU Gianelli WR PGP (Direct Pumping)		97,360	48,171	66.90%	33.10%	100.00%			
<b>Conveyance Pumping:</b>									
Corning Pumping Plant			15,592		100.00%	100.00%	56,348.51		56,348.51
Dos Amigos Pumping Plant	4/	14,369	1,019,124	1.39%	98.61%	100.00%	2,676,752.79	37,215.81	2,639,536.98
O'Neill Pump-Gen Plt		112,314	1,073,854	9.47%	90.53%	100.00%	1,423,192.63	134,756.82	1,288,435.81
Regen. Credit - O'Neill Pump-Gen Plt		112,314	1,073,854	9.47%	90.53%	100.00%	(743.16)	(70.37)	(672.80)
Jones Pumping Plant	6/	198,345	2,126,813	8.53%	91.47%	100.00%	9,513,446.43	811,534.24	8,701,912.19
In-Lieu of Jones Pumping	6/						26,107.24		26,107.24
<b>Out-of-Basin Pumping:</b>									
Coyote PP		46,505	12,033	79.44%	20.56%	100.00%	52,955.56	42,070.34	10,885.21
Pacheco PP		97,360	48,171	66.90%	33.10%	100.00%	324,432.49	217,044.66	107,387.84
<b>Used in Schedule 11 Page 1</b>									
<b>Direct Pumping:</b>									
Glenn Valley WD			1,143		100.00%	100.00%			
Gianelli PGP - SFU	1/						445,658.70	298,144.73	147,513.96
Contra Costa PP		85,895		100.00%		100.00%	404,503.28	404,503.28	
Colusa CWD (Incl. Arb./Will O&M Office)		113	41,354	0.27%	99.73%	100.00%	180,555.83	489.86	180,065.97
Corning WD			9,500		100.00%	100.00%	28,167.83		28,167.83
Dunnigan WD			14,250		100.00%	100.00%	2,098.98		2,098.98
Kanawha WD	4		33,735	0.01%	99.99%	100.00%	11,189.35	1.33	11,188.02
Orland-Artois WD			39,750		100.00%	100.00%	48,274.16		48,274.16
Panoche WD - SLC			60,293		100.00%	100.00%	644.77		644.77
Westside WD			47,093		100.00%	100.00%	12,245.67		12,245.67
Pleasant Valley PP		7,213	86,067	7.73%	92.27%	100.00%	445,140.99	34,419.23	410,721.76
Pleasant Valley Relifts			21,139		100.00%	100.00%	38,435.43		38,435.43
Proberta WD			2,625		100.00%	100.00%	2,912.44		2,912.44
San Luis WD Relifts		620	68,772	0.89%	99.11%	100.00%	314,727.01	2,812.00	311,915.01
State-Delta PP - Cross Valley Canal		973					23,269.45	561.11	22,708.34
Westlands WD Relifts		3,020	782,156	0.38%	99.62%	100.00%	1,859,283.71	7,151.31	1,852,132.39
Wintu PP		2,360	11,328	17.24%	82.76%	100.00%	95,100.31	16,396.65	78,703.66
City of Shasta Lake (Shasta PP)	5/	2,728		100.00%		100.00%	25,655.78	25,655.78	
Dos Amigos PP - Cross Valley Canal							104,455.24	2,518.78	101,936.45
Reimbursable Billing							4,443.46		
Project General							4,433.76		
Nonreimbursable F&W							22,445.41		
							<b>18,500,000.00</b>	<b>2,122,202.49</b>	<b>16,346,474.88</b>

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**FOOTNOTES**

- 1/ See Ratios in the Storage section
- 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 5 year period. Source of data is Schedule A-12, worksheet "Input PUE", footnote #4.

68,772
less 8,658
<u>60,114</u>

Irrigation Deliveries *			Estimated
	Total	Excluded	Exclusion
2002	73,271	9,702	
2003	76,432	10,546	
2004	80,315	9,401	
2005	71,899	8,636	
2006	74,635	9,122	
Total	<u>376,552</u>	<u>47,407</u>	<u>8,658</u>
		0.12590	

Total Dos Amigos Pumping Plant Irrigation Projected Water Deliveries less exclusions for San Luis Water District:

1,027,782
less 8,658
<u>1,019,124</u>

\* Provided annually by Stacey Smith, CVOCO

- 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 be proactively allocated to this contractor beginning in 2001.
- 6/ Tracy Pumping Plant has been changed to its new name - Jones Pumping Plant on the following rate schedules: A-11, A-10, A-9, A-8, A-7, A-5, A-4, & A-2B.