

CENTRAL VALLEY PROJECT
SCHEDULE OF ESTIMATED IRRIGATION PROJECT USE ENERGY COSTS
DIRECT PUMPING
2007 IRRIGATION WATER RATES

2007 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
<u>Corning Canal</u>									
Corning WD								10,069	
Proberta WD									2,625
<u>Cow Creek Unit</u>									
Bella Vista WD	11,868								
<u>Tehama-Colusa Canal</u>									
Colusa County WD		39,976							
Dunnigan WD			14,224						
Glenn Valley WD				1,060					
Kanawha WD					33,735				
Orland-Artois WD						39,750			
Westside WD							45,314		
Total Deliveries	11,868	39,976	14,224	1,060	33,735	39,750	45,314	10,069	2,625
Est. 2007 Project Use Energy Cost	\$74,582	\$277,464	\$3,552	\$0	\$24,568	\$73,315	\$15,649	\$54,654	\$5,470
Rate Per A/F	\$6.28	\$6.94	\$0.25	\$0.00	\$0.73	\$1.84	\$0.35	\$5.43	\$2.08

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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
Cross Valley Canal								
County of Fresno							1,067	1,067
County of Tulare							1,864	1,864
Hills Valley ID							1,863	1,863
Kern-Tulare ID							16,626	16,626
Lower Tule River ID - CV							11,787	11,787
Pixley ID							11,844	11,844
Rag Gulch WD							5,041	5,041
Tri-Valley WD							439	439
San Luis Canal								
Panoche WD -SLC	57,748							
San Luis WD - SLC		72,973						
Westlands WD - SLC			717,547	99,536	19,808	817,083 2/		
Total Deliveries	57,748	72,973	717,547	99,536	19,808	817,083	50,530	50,530
Estimated 2007 Project Use Energy Cost	\$710	\$266,871	\$1,452,843	\$323,015	\$32,802	\$1,808,661	\$71,314	\$105,628
Rate Per A/F	\$0.01	\$3.66				\$2.21	4/	4/

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FOOTNOTES

1/ Westlands WD Deliveries are based on firm supplies:

	<u>Ratios</u>	<u>Allocated 2007 WWD Deliveries</u>
	3/	
Westlands WD Relifts:		
High Side - Relift Pumps	0.27809	227,223
Low Side (LS) - Gravity Feed	<u>0.60009</u>	<u>490,324</u>
Subtotal	0.87818	717,547
Pleasant Valley PP:		
High Side - Relift Pump	0.02424	19,808
Coalinga Canal, LS - Gravity	<u>0.09758</u>	<u>79,727</u>
Subtotal (Pleasant Valley PP)	<u>0.12182</u>	<u>99,536</u>
Total - WWD Deliveries	<u>1.0000</u>	<u>817,083</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:

2007 PUE Estimate

Direct Billed
Cross Valley Canal 2005 Projected Cost

Dos Amigos PP	State Delta PP
\$2,034,256	\$113,749
\$107,661	\$72,686
<u>\$2,141,916</u>	<u>\$186,436</u>

Cross Valley Canal						
	Dos Amigos PP 2007 Projection	State Delta PP 2007 Projection	Projected 2007 Deliveries	Rate Per A/F		
				Dos Amigos PP	State Delta PP	Total
<u>Irrigation</u>						
County of Fresno	\$2,230	\$1,505	1,067	2.09	1.41	3.50
County of Tulare	3,896	2,631	1,864	2.09	1.41	3.50
Hills Valley ID	3,894	2,629	1,863	2.09	1.41	3.50
Kern-Tulare ID	34,755	23,465	16,626	2.09	1.41	3.50
Lower Tule River ID - CV	24,640	16,635	11,787	2.09	1.41	3.50
Pixley ID	24,758	16,716	11,844	2.09	1.41	3.50
Rag Gulch WD	10,538	7,115	5,041	2.09	1.41	3.50
Tri-Valley WD	917	619	439	2.09	1.41	3.50
Total AG	<u>\$105,628</u>	<u>\$71,314</u>	<u>50,530</u>			
<u>M & I</u>						
County of Fresno	\$627	\$423	300	2.09	1.41	3.50
County of Tulare	1,406	949	673	2.09	1.41	3.50
Total M&I	<u>2,033</u>	<u>1,372</u>	<u>973</u>			
Grand Total	<u>\$107,661</u>	<u>\$72,686</u>	<u>51,503</u>			

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		Acre-Feet		Ratio of Acre-Feet			For Water Ratesetting		
		M&I	Irrigation	M&I	Irrigation	Total	Total \$	M&I	Irrigation
<u>Used in Schedule 10</u>									
Storage:									
Friant D&R	2/	261		100.00%		100.00%	8,220.55	8,220.55	
Shasta D&R (Includes Jdg F Carr PH)		2,016	4,175	32.57%	67.43%	100.00%	36,340.71	11,835.10	24,505.61
Columbia Mowry (Based on Avg. KWH's)		92,080	704,709	11.56%	88.44%	100.00%	17,229.14	1,991.07	15,238.07
Folsom Pump Plant		43,926		100.00%		100.00%	19,353.35	19,353.35	
New Melones Dam & Reservoir			17,221		100.00%	100.00%	3,808.20		3,808.20
Gianelli WR Pump-Gen Plt	3/	9,683	668,342	1.43%	98.57%	100.00%	3,333,214.24	47,604.06	3,285,610.18
Regen. Credit - San Luis PP		9,683	668,342	1.43%	98.57%	100.00%	(2,128,673.23)	(30,401.13)	(2,098,272.09)
SFU Gianelli WR PGP (Direct Pumping)		104,625	40,383	72.15%	27.85%	100.00%			
Conveyance Pumping:									
Corning Pump Plant			16,241		100.00%	100.00%	80,143.17		80,143.17
Dos Amigos Pump Plant	4/	13,257	945,467	1.38%	98.62%	100.00%	2,034,255.74	28,130.03	2,006,125.71
O'Neill Pump-Gen Plt		118,458	995,158	10.64%	89.36%	100.00%	1,340,451.52	142,587.49	1,197,864.03
Regen. Credit - O'Neill Pump-Gen Plt		118,458	995,158	10.64%	89.36%	100.00%	(1,245.49)	(132.49)	(1,113.00)
Tracy Pump Plant		202,134	2,061,417	8.93%	91.07%	100.00%	8,822,012.75	787,800.75	8,034,212.00
In-Lieu of Tracy Pumping							113,749.39		113,749.39
Out-of-Basin Pumping:									
Coyote PP		49,853	7,796	86.48%	13.52%	100.00%	140,696.71	121,670.02	19,026.69
Pacheco PP		104,625	40,383	72.15%	27.85%	100.00%	546,388.18	394,225.58	152,162.60
<u>Used in Schedule 11 Page 1</u>									
Direct Pumping:									
Glenn Valley WD			1,060		100.00%	100.00%			
Gianelli PGP - SFU	1/						712,867.82	514,342.63	198,525.19
Contra Costa PP		85,761		100.00%		100.00%	(375,758.22)	(375,758.22)	
Colusa CWD (Incl. Arb./Will O&M Office)		150	39,976	0.37%	99.63%	100.00%	278,505.38	1,041.11	277,464.27
Corning WD			10,069		100.00%	100.00%	54,654.00		54,654.00
Dunnigan WD			14,224		100.00%	100.00%	3,552.01		3,552.01
Kanawha WD		10	33,735	0.03%	99.97%	100.00%	24,575.65	7.28	24,568.37
Orland-Artois WD			39,750		100.00%	100.00%	73,315.30		73,315.30
Panoche WD - SLC			57,748		100.00%	100.00%	710.44		710.44
Westside WD			45,314		100.00%	100.00%	15,649.42		15,649.42
Pleasant Valley PP		6,545	79,727	7.59%	92.41%	100.00%	349,530.58	26,515.40	323,015.18
Pleasant Valley Relifts			19,808		100.00%	100.00%	32,802.37		32,802.37
Proberta WD			2,625		100.00%	100.00%	5,469.92		5,469.92
San Luis WD Relifts		620	72,973	0.84%	99.16%	100.00%	269,138.24	2,267.41	266,870.82
State-Delta PP - Cross Valley Canal		973					72,686.36	1,372.50	71,313.86
Westlands WD Relifts		3,000	717,547	0.42%	99.58%	100.00%	1,458,917.25	6,074.21	1,452,843.05
Wintu PP		3,199	11,868	21.23%	78.77%	100.00%	94,685.76	20,103.60	74,582.16
City of Shasta Lake (Shasta PP)	5/	2,461		100.00%		100.00%	21,636.26	21,636.26	
Dos Amigos PP - Cross Valley Canal							107,660.73	2,032.90	105,627.84
Reimbursable Billing							6,904.54		
Project General							8,326.73		
Nonreimbursable F&W							20,531.57		
							17,602,307.08	1,752,519.47	15,814,024.77

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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.

	72,973
less	9,308
	63,665

		Irrigation Deliveries *		Ratio	Estimated Exclusion
		Total	Excluded		
2001	69,670		9,112		
2002	73,271		9,702		
2003	76,432		10,546		
2004	80,315		9,401		
2005	71,899		8,636		
Total	371,587	47,397		0.12755	9,308

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

	954,775
less	9,308
	945,467

* 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.