CENTRAL VALLEY PROJECT
SCHEDULE OF ESTIMATED IRRIGATION PROJECT USE ENERGY COSTS
DIRECT PUMPING
2010 IRRIGATION WATER RATES

	2010 Projected Deliveries Schedule A-12								
		Tehama-Colusa Canal Relifts						Corning Canal Relifts	
Facility/Contractor	**Wintu PP**	**Colusa County WD**	**Dunnigan WD**	**Glenn Valley WD**	**Kanawha WD**	**Orland-Artois WD**	**Westside WD**	**Corning WD**	**Proberta WD**
Corning Canal									
Corning WD								11,375	
Proberta WD									2,625
Cow Creek Unit									
Bella Vista WD	9,673								
Tehama-Colusa Canal									
Colusa County WD		40,492							
Dunnigan WD			13,854						
Glenn Valley WD				967					
Kanawha WD					33,257				
Orland-Artois WD						38,512			
Westside WD							44,304		
Total Deliveries	9,673	40,492	13,854	967	33,257	38,512	44,304	11,375	2,625
Est. 2010 Project Use Energy Cost	$ 114,696	$ 250,197	$ 3,498	$ -	$ 22,020	$ 44,823	$ 16,282	$ 51,667	$ 2,011
Cost Per A/F	$ 11.86	$ 6.18	$ 0.25	$ -	$ 0.66	$ 1.16	$ 0.37	$ 4.54	$ 0.77

CENTRAL VALLEY PROJECT
SCHEDULE OF ESTIMATED IRRIGATION PROJECT USE ENERGY COSTS
DIRECT PUMPING
2010 IRRIGATION WATER RATES

	2010 Projected Deliveries Schedule A-12							
	San Luis Canal Relifts							
			Westlands WD 1/				Cross Valley Contractors 4/	
Facility/Contractor	Panoche WD	San Luis WD	Westlands WD Relifts	Pleasant Valley PP	Pleasant Valley Rlfts	Total	State Delta PP	Dos Amigos PP
Cross Valley Canal								
County of Fresno							930	930
County of Tulare							1,325	1,325
Hills Valley ID							1,422	1,422
Kern-Tulare ID							10,214	10,214
Lower Tule River ID - CV							8,272	8,272
Pixley ID							9,228	9,228
Rag Gulch WD							3,661	3,661
Tri-Valley WD							364	364
San Luis Canal								
Panoche WD -SLC	48,805							
San Luis WD - SLC		59,413						
Westlands WD - SLC			731,913	85,271	19,897	817,184 2/		
Westlands WD - SLC (DD#2)			847	99	23	946 2/		
Total Deliveries	48,805	59,413	732,760	85,370	19,920	818,130	35,417	35,417
Estimated 2010 Project Use Energy Cost	$ 952	$ 415,738	$ 1,808,203	$ 356,200	$ 37,048	$2,201,451	$ 88,530	$ 67,042
Cost Per A/F	$ 0.02	$ 7.00				$ 2.69	4/	4/

CENTRAL VALLEY PROJECT
SCHEDULE OF ESTIMATED IRRIGATION PROJECT USE ENERGY COSTS
DIRECT PUMPING
2010 IRRIGATION WATER RATES

FOOTNOTES (FOR PAGES 1 AND 2)

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

	Ratios	Allocated 2010 WWD Deliveries	Allocated 2010 WWD (DD #2) Deliveries
	3/		
Westlands WD Relifts:			
High Side - Relift Pumps	0.28696	234,496	272
Low Side (LS) - Gravity Feed	0.60870	497,416	576
Subtotal	0.89565	731,913	847
Pleasant Valley PP:			
High Side - Relift Pump	0.02435	19,897	23
Coalinga Canal, LS - Gravity	0.08000	65,375	76
Subtotal (Pleasant Valley PP)	0.10435	85,271	99
Total - WWD Deliveries	1.0000	817,184	946

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

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

CENTRAL VALLEY PROJECT
SCHEDULE OF ESTIMATED IRRIGATION PROJECT USE ENERGY COSTS
DIRECT PUMPING
2010 IRRIGATION WATER RATES

FOOTNOTES - Cont.

4/ Dos Amigos and State Delta PP Costs:

	Dos Amigos PP	State Delta PP
2010 PUE Estimate		
Direct Billed	$ 1,780,679	$ 47,637
Cross Valley Canal 2010 Projected Cost	$ 68,883	$ 90,961
Total	$ 1,849,562	$ 138,598

Cross Valley Canal

	Dos Amigos PP 2010 Projection	State Delta PP 2010 Projection	Projected 2010 Deliveries	Rate Per A/F Dos Amigos PP	Rate Per A/F State Delta PP	Rate Per A/F Total
Irrigation						
County of Fresno	$ 1,760	$ 2,325	930	$ 1.89	$ 2.50	$ 4.39
County of Tulare	$ 2,509	$ 3,313	1,325	$ 1.89	$ 2.50	$ 4.39
Hills Valley ID	$ 2,691	$ 3,554	1,422	$ 1.89	$ 2.50	$ 4.39
Kern-Tulare ID	$ 19,335	$ 25,532	10,214	$ 1.89	$ 2.50	$ 4.39
Lower Tule River ID - CV	$ 15,658	$ 20,677	8,272	$ 1.89	$ 2.50	$ 4.39
Pixley ID	$ 17,469	$ 23,067	9,228	$ 1.89	$ 2.50	$ 4.39
Rag Gulch WD	$ 6,930	$ 9,152	3,661	$ 1.89	$ 2.50	$ 4.39
Tri-Valley WD	$ 689	$ 910	364	$ 1.89	$ 2.50	$ 4.39
Total Irrigation	$ 67,042	$ 88,530	35,417			
M & I						
County of Fresno	$ 568	$ 750	300	$ 1.89	$ 2.50	$ 4.39
County of Tulare	$ 1,273	$ 1,681	673	$ 1.89	$ 2.50	$ 4.39
Total M&I	$ 1,841	$ 2,431	973			
Grand Total	$ 68,883	$ 90,961	36,389			

CENTRAL VALLEY PROJECT
SCHEDULE OF ESTIMATED IRRIGATION PROJECT USE ENERGY COSTS
DIRECT PUMPING
2010 IRRIGATION WATER RATES

		Acre-Feet		Ratio of Acre-Feet				For Water Ratesetting	
		M&I	**Irrigation**	**M&I**	**Irrigation**	**Total**	**Total $**	**M&I**	**Irrigation**
Used in Schedule 10									
Storage:									
Friant D&R	2/	201		100.00%		100.00%	8,916.58	8,916.58	
Shasta D&R (Includes Jdg F Carr PH)		1,981	3,931	33.51%	66.49%	100.00%	130,498.79	43,731.34	86,767.44
Columbia Mowry (Based on Avg. KWH's)		85,591	606,469	12.37%	87.63%	100.00%	12,238.17	1,513.57	10,724.60
Folsom Pump Plant		44,134		100.00%		100.00%	141,305.14	141,305.14	
New Melones Dam & Reservoir			31,369		100.00%	100.00%	9,760.41		9,760.41
Gianelli WR Pump-Gen Plt	3/	10,347	653,118	1.56%	98.44%	100.00%	3,602,436.56	56,182.78	3,546,253.78
Regen. Credit - San Luis PP		10,347	653,118	1.56%	98.44%	100.00%	(3,037,040.41)	(47,364.99)	(2,989,675.42)
SFU Gianelli WR PGP (Direct Pumping)		104,462	43,474	70.61%	29.39%	100.00%			
Conveyance Pumping:									
Corning Pumping Plant			17,167		100.00%	100.00%	103,650.36		103,650.36
Dos Amigos Pumping Plant	4/	14,189	926,502	1.51%	98.49%	100.00%	1,780,679.08	26,858.68	1,753,820.40
O'Neill Pump-Gen Plt		119,244	976,500	10.88%	89.12%	100.00%	1,182,168.29	128,649.27	1,053,519.02
Regen. Credit - O'Neill Pump-Gen Plt		119,244	976,500	10.88%	89.12%	100.00%	(185,180.23)	(20,152.21)	(165,028.02)
Jones Pumping Plant		200,621	1,994,476	9.14%	90.86%	100.00%	9,460,353.90	864,629.94	8,595,723.96
In-Lieu of Jones Pumping							47,637.22		47,637.22
Out-of-Basin Pumping:									
Coyote PP		49,749	12,033	80.52%	19.48%	100.00%	176,228.82	141,906.79	34,322.03
Pacheco PP		104,462	43,474	70.61%	29.39%	100.00%	826,440.46	583,575.58	242,864.88
Used in Schedule 11 Page 1									
Direct Pumping:									
Glenn Valley WD			967		100.00%	100.00%			
Gianelli PGP - SFU	1/						803,252.89	567,202.11	236,050.78
Contra Costa PP		88,790		100.00%		100.00%	597,512.69	597,512.69	
Colusa CWD (Incl. Arb./Will O&M Office)		113	40,492	0.28%	99.72%	100.00%	250,891.73	695.13	250,196.60
Corning WD			11,375		100.00%	100.00%	51,667.36		51,667.36
Dunnigan WD			13,854		100.00%	100.00%	3,497.63		3,497.63
Kanawha WD		7	33,257	0.02%	99.98%	100.00%	22,024.16	4.63	22,019.53
Orland-Artois WD			38,512		100.00%	100.00%	44,823.39		44,823.39
Panoche WD - SLC			48,805		100.00%	100.00%	952.13		952.13
Westside WD			44,304		100.00%	100.00%	16,282.36		16,282.36
Pleasant Valley PP		7,193	65,450	9.90%	90.10%	100.00%	395,346.87	39,146.42	356,200.45
Pleasant Valley Relifts			19,920		100.00%	100.00%	37,047.85		37,047.85
Proberta WD			2,625		100.00%	100.00%	2,010.61		2,010.61
San Luis WD Relifts		620	59,413	1.03%	98.97%	100.00%	420,076.92	4,338.44	415,738.49
State-Delta PP - Cross Valley Canal							90,960.68	2,430.91	88,529.77
Westlands WD Relifts		3,020	732,761	0.41%	99.59%	100.00%	1,815,655.23	7,452.33	1,808,202.91
Wintu PP		2,093	9,673	17.79%	82.21%	100.00%	139,515.52	24,819.27	114,696.26
City of Shasta Lake (Shasta PP)	5/	2,744		100.00%		100.00%	38,580.08	38,580.08	
Dos Amigos PP - Cross Valley Canal							68,883.09	1,840.89	67,042.20
Reimbursable Billing							5,166.18		
Project General							6,935.44		
Nonreimbursable F&W							28,824.03		
							19,100,000.00	3,213,775.36	15,845,298.98

CENTRAL VALLEY PROJECT
SCHEDULE OF ESTIMATED IRRIGATION PROJECT USE ENERGY COSTS
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FOOTNOTES (FOR PAGE 5)

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.

	59,413
less	6,525
	52,888

	Irrigation Deliveries *			
	Total	**Excluded**	**Ratio**	**Estimated Exclusion**
2004	80,315	9,401		
2005	71,899	8,636		
2006	74,635	9,122		
2007	80,058	8,048		
2008	66,552	5,807		
Total	373,459	41,014	0.10982	6,525

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

	933,026
less	6,525
	926,502

* 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.