

**CENTRAL VALLEY PROJECT
SCHEDULE OF ESTIMATED IRRIGATION PROJECT USE ENERGY COSTS
DIRECT PUMPING
2011 IRRIGATION WATER RATES**

A	B	C	D	E	F	G	H	I	J	K
2011 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	
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>	
Corning Canal										
Corning WD								11,110		
Proberta WD									2,244	
Cow Creek Unit										
Bella Vista WD	7,693									
Tehama-Colusa Canal										
Colusa County WD		36,779								
Dunnigan WD			12,106							
Glenn Valley WD				930						
Kanawha WD					28,693					
Orland-Artois WD						32,714				
Westside WD							38,073			
Total Deliveries	7,693	36,779	12,106	930	28,693	32,714	38,073	11,110	2,244	
Est. 2011 Project Use Energy Cost	\$ 92,096	\$ 289,764	\$ 4,557	\$ -	\$ 26,985	\$ 47,793	\$ 18,774	\$ 45,040	\$ 15,217	
Cost Per A/F	\$ 11.97	\$ 7.88	\$ 0.38	\$ -	\$ 0.94	\$ 1.46	\$ 0.49	\$ 4.05	\$ 6.78	

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A	B	C	D	E	F	G	H	I	J	K
San Luis Canal Relifts										
Westlands WD 1/										
Facility/Contractor	Panoche WD	San Luis WD	Westlands WD Relifts	Pleasant Valley PP	Pleasant Valley Rlfts	Total	Cross Valley Contractors 4/			
Ref	<Sch A-12>	<Sch A-12>	<Sch A-12>	<Sch A-12>	<Sch A-12>	(E+F)	State Delta PP	Dos Amigos PP		
							<Sch A-12>	<Sch A-12>		
Cross Valley Canal										
County of Fresno							677	677		
County of Tulare							1,210	1,210		
Hills Valley ID							962	962		
Kern-Tulare ID	5/						11,527	11,527		
Lower Tule River ID - CV							8,044	8,044		
Pixley ID							8,872	8,872		
Rag Gulch WD	5/						-	-		
Tri-Valley WD							299	299		
San Luis Canal										
Panoche WD - SLC	41,479									
San Luis WD - SLC		46,286								
Westlands WD - SLC			608,637	68,280	12,950	676,917	2/			
Westlands WD - SLC (DD#2)			624	70	13	694	2/			
Total Deliveries	41,479	46,286	609,261	68,350	12,963	677,611		31,591	31,591	
Estimated 2011 Project Use Energy Cost	\$ 990	\$ 539,950	\$ 1,751,752	\$ 254,155	\$ 41,068	\$ 2,046,976		\$ 69,598	\$ 70,864	
Cost Per A/F	\$ 0.02	\$ 11.67				\$ 3.02		4/	4/	

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FOOTNOTES (FOR PAGES 1 AND 2)

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

	Ratios	Allocated 2011 Deliveries	
		Westlands WD	Westlands WD DD#2
	3/		
Westlands WD Relifts:			
High Side - Relift Pumps	0.26957	182,473	187
Low Side (LS) - Gravity Feed	0.62957	426,164	437
Subtotal	0.89913	608,637	624
Pleasant Valley PP:			
High Side - Relift Pump	0.01913	12,950	13
Coalinga Canal, LS - Gravity	0.08174	55,331	57
Subtotal (Pleasant Valley PP)	0.10087	68,280	70
Total - WWD Deliveries	1.0000	676,917	694

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:

2011 PUE Estimate

	Dos Amigos PP	State Delta PP
Direct Billed	\$ 1,749,806	\$ 120,557
Cross Valley Canal 2011 Projected Cost	\$ 73,045	\$ 71,741
Total	<u>\$ 1,822,851</u>	<u>\$ 192,298</u>

Cross Valley Canal						
	Dos Amigos PP 2011 Projection	State Delta PP 2011 Projection	Projected 2011 Deliveries	Rate Per A/F		
				Dos Amigos PP	State Delta PP	Total
Irrigation						
County of Fresno	\$ 1,518	\$ 1,491	677	\$ 2.24	\$ 2.20	\$ 4.44
County of Tulare	\$ 2,714	\$ 2,666	1,210	\$ 2.24	\$ 2.20	\$ 4.44
Hills Valley ID	\$ 2,158	\$ 2,120	962	\$ 2.24	\$ 2.20	\$ 4.44
Kern-Tulare ID 5/	\$ 25,856	\$ 25,394	11,527	\$ 2.24	\$ 2.20	\$ 4.44
Lower Tule River ID - CV	\$ 18,044	\$ 17,722	8,044	\$ 2.24	\$ 2.20	\$ 4.44
Pixley ID	\$ 19,902	\$ 19,547	8,872	\$ 2.24	\$ 2.20	\$ 4.44
Rag Gulch WD 5/	\$ -	\$ -	-	\$ -	\$ -	\$ -
Tri-Valley WD	\$ 671	\$ 659	299	\$ 2.24	\$ 2.20	\$ 4.44
Total Irrigation	<u>\$ 70,864</u>	<u>\$ 69,598</u>	<u>31,591</u>			
M & I						
County of Fresno	\$ 673	\$ 661	300	\$ 2.24	\$ 2.20	\$ 4.44
County of Tulare	\$ 1,509	\$ 1,482	673	\$ 2.24	\$ 2.20	\$ 4.44
Total M&I	<u>\$ 2,181</u>	<u>\$ 2,142</u>	<u>973</u>			
Grand Total	<u>\$ 73,045</u>	<u>\$ 71,741</u>	<u>32,564</u>			

5/ Rag Gulch WD assigned all of its entitlement to Kern-Tulare WD effective February 25, 2010.

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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 10									
Storage:									
Friant D&R	2/	173.60		100.00%		100.00%	12,344.22	12,344.22	
Shasta D&R (Includes Jdg F Carr PH)		1,745.40	3,155.40	35.61%	64.39%	100.00%	176,147.11	62,734.08	113,413.04
Columbia Mowry (Based on Avg. KWH's)		79,381.18	562,166.33	12.37%	87.63%	100.00%	14,362.60	1,777.14	12,585.46
Folsom Pump Plant		42,414.60		100.00%		100.00%	141,744.16	141,744.16	
New Melones Dam & Reservoir			34,788.60		100.00%	100.00%	2,643.00		2,643.00
Gianelli WR Pump-Gen Plt	3/	9,989.28	539,781.76	1.82%	98.18%	100.00%	2,184,529.93	39,692.67	2,144,837.26
Regen. Credit - San Luis PP		9,989.28	539,781.76	1.82%	98.18%	100.00%	(1,743,341.95)	(31,676.33)	(1,711,665.62)
SFU Gianelli WR PGP (Direct Pumping)		91,542.80	34,869.80	72.42%	27.58%	100.00%			
Conveyance Pumping:									
Corning Pumping Plant			16,336.00		100.00%	100.00%	183,695.30		183,695.30
Dos Amigos Pumping Plant	4/	13,677.40	766,395.77	1.75%	98.25%	100.00%	1,749,806.07	30,680.20	1,719,125.87
O'Neill Pump-Gen Plt		105,813.20	805,986.60	11.60%	88.40%	100.00%	1,391,209.59	161,448.09	1,229,761.49
Regen. Credit - O'Neill Pump-Gen Plt		105,813.20	805,986.60	11.60%	88.40%	100.00%	(155,574.31)	(18,054.20)	(137,520.11)
Jones Pumping Plant		186,186.79	1,783,758.81	9.45%	90.55%	100.00%	10,742,611.55	1,015,323.65	9,727,287.90
In-Lieu of Jones Pumping							120,556.93		120,556.93
Out-of-Basin Pumping:									
Coyote PP		43,609.90	9,395.60	82.27%	17.73%	100.00%	155,863.15	128,235.31	27,627.85
Pacheco PP		91,542.80	34,869.80	72.42%	27.58%	100.00%	1,280,610.95	927,365.72	353,245.23
Used in Schedule 11 Page 1									
Direct Pumping:									
Glenn Valley WD			930.20		100.00%	100.00%			
Gianelli PGP - SFU	1/						502,303.85	363,747.76	138,556.08
Contra Costa PP		87,340.40		100.00%		100.00%	699,419.05	699,419.05	
Colusa CWD (Incl. Arb./Will O&M Office)		112.50	36,779.20	0.30%	99.70%	100.00%	290,649.83	886.33	289,763.51
Corning WD			11,110.40		100.00%	100.00%	45,040.08		45,040.08
Dunnigan WD			12,106.20		100.00%	100.00%	4,556.78		4,556.78
Kanawha WD	4.25		28,693.00	0.01%	99.99%	100.00%	26,989.07	4.00	26,985.07
Orland-Artois WD			32,714.00		100.00%	100.00%	47,792.68		47,792.68
Panoche WD - SLC			41,478.60		100.00%	100.00%	989.67		989.67
Westside WD			38,072.80		100.00%	100.00%	18,773.78		18,773.78
Pleasant Valley PP		6,774.40	55,387.38	10.90%	89.10%	100.00%	285,240.64	31,085.57	254,155.07
Pleasant Valley Relifts			12,963.00		100.00%	100.00%	41,068.17		41,068.17
Proberta WD			2,244.00		100.00%	100.00%	15,216.63		15,216.63
San Luis WD Relifts		620	46,286.00	1.32%	98.68%	100.00%	547,182.72	7,232.62	539,950.10
State-Delta PP - Cross Valley Canal		973	31,591.40	2.99%	97.01%	100.00%	71,740.74	2,142.49	69,598.25
Westlands WD Relifts		3,020.00	609,261.21	0.49%	99.51%	100.00%	1,760,435.46	8,683.13	1,751,752.33
Wintu PP		2,315.40	7,693.00	23.13%	76.87%	100.00%	119,814.80	27,718.63	92,096.16
City of Shasta Lake (Shasta PP)	5/	2,554.80		100.00%		100.00%	40,212.45	40,212.45	
Dos Amigos PP - Cross Valley Canal							73,045.08	2,181.44	70,863.64
Reimbursable Billing							6,813.46		
Project General							10,281.32		
Nonreimbursable F&W							35,225.44		
							<u>20,900,000.00</u>	<u>3,654,928.18</u>	<u>17,192,751.60</u>

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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.

	46,286
less	<u>4,721</u>
	<u><u>41,565</u></u>

Irrigation Deliveries *		Ratio	Estimated Exclusion
Total	Excluded		
2005	71,899		8,636
2006	74,635		9,122
2007	80,058		8,048
2008	66,552		5,807
2009	68,004		5,223
Total	<u><u>361,148</u></u>	<u>10.20%</u>	<u><u>4,721</u></u>

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

	771,117
less	<u>4,721</u>
	<u><u>766,396</u></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.