CENTRAL VALLEY PROJECT
SCHEDULE OF ESTIMATED IRRIGATION DIRECT PUMPING OPERATION & MAINTENANCE COSTS
2013 IRRIGATION WATER RATES

A	B	C	D	E	F	G	H	I	J	K
	2013 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**
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									11,393	
Proberta WD										2,085
Cow Creek Unit										
Bella Vista WD	6,194									
Tehama-Colusa Canal										
Colusa County WD			34,575							
Dunnigan WD				9,655						
Glenn Valley WD					962					
Kanawha WD						26,817				
Orland-Artois WD							29,434			
Westside WD								37,144		
Total Deliveries	6,194		34,575	9,655	962	26,817	29,434	37,144	11,393	2,085
Est. 2013 XO&M Cost	$ 2,293		$ 7,913	$ 121		$ 1,346	$ 1,776	$ 494	$ 1,795	$ 96
Est. 2013 O&M Cost	$ 53,952		$ 186,158	$ 2,857	$ -	$ 31,655	$ 41,783	$ 11,611	$ 42,237	$ 2,252
Total (Sch. A9)	$ 56,245		$ 194,071	$ 2,978	$ -	$ 33,000	$ 43,559	$ 12,105	$ 44,033	$ 2,348
Cost Per A/F	$ 9.08		$ 5.61	$ 0.31	$ -	$ 1.23	$ 1.48	$ 0.33	$ 3.86	$ 1.13

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A	B	C	D	E	F	G	H	I	J	K
		San Luis Canal Relifts								
				Westlands WD 1/					**Cross Valley Contractors 2/**	
Facility/Contractor		**Panoche WD**	**San Luis WD**	**Westlands WD Relifts**	**Pleasant Valley PP**	**Valley Rifts**	**Total**		**State Delta PP**	**Dos Amigos PP**
Ref		<Sch A-12>	<Sch A-12>	<Sch A-12>	<Sch A-12>	<Sch A-12>	(E+F)		<Sch A-12>	<Sch A-12>
Cross Valley Canal										
County of Fresno									870	870
County of Tulare									1,541	1,541
Hills Valley ID									1,099	1,099
Kern-Tulare ID									16,723	16,723
Lower Tule River ID - CVC									8,596	8,596
Pixley ID									8,596	8,596
Tri-Valley WD									331	331
San Luis Canal										
Panoche WD -SLC		35,848								
San Luis WD - SLC			35,820							
Westlands WD - SLC				487,499	54,690	10,372	542,189			
Westlands WD - SLC (DD#2)				1,039	117	22	1,156			
Total Deliveries		35,848	35,820	488,538	54,807	10,394	543,345		37,755	37,755
Est. 2013 XO&M Cost		$ 26	$ 15,408	$ 90,181	$ 17,934	$ 1,950	$ 110,065		$ 1,759	$ 7,139
Est. 2013 O&M Cost		$ 608	$ 362,470	$2,121,455	$ 421,886	$ 45,883	$ 2,589,224		$ 41,383	$ 167,935
Total (Sch. A9)		$ 634	$ 377,878	$2,211,636	$ 439,820	$ 47,833	$ 2,699,289		$ 43,142	$ 175,074
Cost Per A/F		$ 0.02	$ 10.55				$ 4.97		$1.14	$4.64

CENTRAL VALLEY PROJECT
SCHEDULE OF ESTIMATED IRRIGATION DIRECT PUMPING OPERATION & MAINTENANCE COSTS
2013 IRRIGATION WATER RATES

FOOTNOTES

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

		Allocated 2013 Deliveries	
	Ratios	**Westlands WD**	**DD#2**
Westlands WD Relifts:			
High Side - Relift Pumps	0.26957	146,156	312
Low Side (LS) - Gravity Feed	0.62957	341,344	728
Subtotal	0.89913	487,499	1,039
Pleasant Valley PP:			
High Side - Relift Pump	0.01913	10,372	22
Coalinga Canal, LS - Gravity	0.08174	44,318	94
Subtotal (Pleasant Valley PP)	0.10087	54,690	117
Total - WWD Deliveries	1.0000	542,189	1,156

2/ Cross Valley Canal Estimated 2013 Project Use Energy Cost

	Dos Amigos PP	**State Delta PP**
2013 PUE Estimate		
Direct Billed	$ 2,799,795	$ 76,880
Cross Valley Canal 2013 Projected Cost	$ 172,261	$ 42,448
Total	$ 2,972,056	$ 119,329

	Deliveries	Ratio	**Dos Amigos PP**	**State Delta PP**
M&I	973	0.02511	$ 4,326	$ 1,066
Irrigation	37,755	0.97489	$ 167,935	$ 41,383
Total	38,728	1.00000	$ 172,261	$ 42,448

CENTRAL VALLEY PROJECT
SCHEDULE OF ESTIMATED IRRIGATION DIRECT PUMPING OPERATION & MAINTENANCE COSTS
2013 IRRIGATION WATER RATES

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 9									
Storage:									
Friant D&R		161	N/A	100.00%		100.00%	$ 8,427	$ 8,427	$ -
Shasta D&R (Includes Jdg F Carr PH)		1,690	3,162	34.83%	65.17%	100.00%	$ 136,127	$ 47,414	$ 88,713
Columbia Mowry (Based on Avg. KWH's)		70,830	513,048	12.13%	87.87%	100.00%	$ 11,000	$ 1,334	$ 9,665
Folsom Pump Plant		38,508	N/A	100.00%		100.00%	$ 12,739	$ 12,739	$ -
New Melones Dam & Reservoir		15,854	40,363	28.20%	71.80%	100.00%	$ 1,406	$ 396	$ 1,009
Gianelli WR Pump-Gen Plt		9,237	433,975	2.08%	97.92%	100.00%	$ 3,156,524	$ 65,783	$ 3,090,741
Regen. Credit - San Luis PP		9,237	433,975	2.08%	97.92%	100.00%	$ (1,313,010)	$ (27,363)	$ (1,285,647)
SFU Gianelli WR PGP (Direct Pumping)		108,306	22,701	82.67%	17.33%	100.00%	$ -	$ -	$ -
Conveyance Pumping:									
Corning Pumping Plant		N/A	16,311		100.00%	100.00%	$ 133,366	$ -	$ 133,366
Dos Amigos Pumping Plant		12,609	616,845	2.00%	98.00%	100.00%	$ 2,799,795	$ 56,085	$ 2,743,710
O'Neill Pump-Gen Plt		121,501	642,665	15.90%	84.10%	100.00%	$ 1,803,948	$ 286,825	$ 1,517,123
Regen. Credit - O'Neill Pump-Gen Plt		121,501	642,665	15.90%	84.10%	100.00%	$ (266)	$ (42)	$ (224)
Jones Pumping Plant		203,451	1,581,910	11.40%	88.60%	100.00%	$ 10,868,044	$ 1,238,469	$ 9,629,574
In-Lieu of Jones Pumping							$ 76,880	$ -	$ 76,880
Out-of-Basin Pumping:									
Coyote PP		51,769	5,905	89.76%	10.24%	100.00%	$ 55,338	$ 49,672	$ 5,666
Pacheco PP		108,306	22,701	82.67%	17.33%	100.00%	$ 346,463	$ 286,428	$ 60,034

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2013 IRRIGATION WATER RATES

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 11 Page 1									
Direct Pumping:									
Glenn Valley WD		N/A	962		100.00%	100.00%		$ -	$ -
Gianelli PGP - SFU		-	-				$ 933,022	$ 771,350	$ 161,672
Contra Costa PP		82,034	-	100.00%		100.00%	$ 154,429	$ 154,429	$ -
Colusa CWD (Incl. Arb./Will O&M Office)		113	34,575	0.32%	99.68%	100.00%	$ 186,763	$ 606	$ 186,158
Corning WD		N/A	11,393		100.00%	100.00%	$ 42,237	$ -	$ 42,237
Dunnigan WD		N/A	9,655		100.00%	100.00%	$ 2,857	$ -	$ 2,857
Kanawha WD		4	26,817	0.02%	99.98%	100.00%	$ 31,660	$ 5	$ 31,655
Orland-Artois WD		N/A	29,434		100.00%	100.00%	$ 41,783	$ -	$ 41,783
Panoche WD - SLC		N/A	35,848		100.00%	100.00%	$ 608	$ -	$ 608
Westside WD		N/A	37,144		100.00%	100.00%	$ 11,611	$ -	$ 11,611
Pleasant Valley PP		6,126	44,413	12.12%	87.88%	100.00%	$ 480,076	$ 58,190	$ 421,886
Pleasant Valley Relifts		N/A	10,394		100.00%	100.00%	$ 45,883	$ -	$ 45,883
Proberta WD		N/A	2,085		100.00%	100.00%	$ 2,252	$ -	$ 2,252
San Luis WD Relifts		620	35,820	1.70%	98.30%	100.00%	$ 368,743	$ 6,274	$ 362,470
State-Delta PP - Cross Valley Canal		973	37,755	2.51%	97.49%	100.00%	$ 42,448	$ 1,066	$ 41,383
Westlands WD Relifts		2,915	488,539	0.59%	99.41%	100.00%	$ 2,134,112	$ 12,657	$ 2,121,455
Wintu PP		3,786	6,194	37.94%	62.06%	100.00%	$ 86,931	$ 32,979	$ 53,952
City of Shasta Lake (Shasta PP)		2,389	-	100.00%		100.00%	$ 25,265	$ 25,265	$ -
Dos Amigos PP - Cross Valley Canal		973	37,755	2.51%	97.49%	100.00%	$ 172,261	$ 4,326	$ 167,935
Reimbursable Billing							$ 4,511		
Project General							$ 7,797		
Nonreimbursable F&W							$ 27,969		
							$ 22,900,000	$ 3,093,314	$ 19,766,409