

CENTRAL VALLEY PROJECT
FY 2013 OPERATION AND MAINTENANCE COSTS
BY FACILITY AND/OR COMPONENT

12/07/2012

A B C D E F G H I J									
V									
		ALLOCATION OF O&M COSTS			Project Use Energy Cost			Water Contractors	
Component/Facility/Contractor		Total Costs Budget	Irrigation	M&I	All Other Purposes	Total PUE Cost	Irrigation	M&I	Irrigation M&I
									Reimbursable O&M Cost
ref		(C+D+E)	Estimated O&M & Corps Expense	Estimated O&M & Corps Expense	Estimated O&M & Corps Expense	<G+H>	Estimated Project Use Energy Cost	Estimated Project Use Energy Cost	(C+G) (D+H)
Storage									
Black Butte Dam & Reservoir	4/	\$ 840,018	\$ 840,018	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 462,136 \$ 91,964
Buchanan Reservoir	4/	\$ 570,000	\$ 570,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 275,800 \$ -
Clair A. Hill Whiskeytown Dam		\$ 1,132,000	\$ 512,795	\$ 76,750	\$ 542,455	\$ -	\$ -	\$ -	\$ 512,795 \$ 76,750
Coleman National Fish Hatchery		\$ 5,456,000	\$ 2,904,589	\$ 454,548	\$ 2,096,863	\$ -	\$ -	\$ -	\$ 2,904,589 \$ 454,548
Columbia-Mowry System		\$ 182,000	\$ 142,706	\$ 24,606	\$ 14,688	\$ 10,999	\$ 9,665	\$ 1,334	\$ 152,371 \$ 25,940
Delta Cross Channel		\$ 101,000	\$ 79,195	\$ 13,655	\$ 8,150	\$ -	\$ -	\$ -	\$ 79,195 \$ 13,655
Folsom Dam & Reservoir		\$ 1,035,000	\$ 438,837	\$ 74,003	\$ 522,160	\$ -	\$ -	\$ -	\$ 438,837 \$ 74,003
Folsom Pipelines		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ - \$ -
Folsom Pumping Plant		\$ 1,655,000	\$ 701,717	\$ 118,333	\$ 834,950	\$ 12,739	\$ -	\$ 12,739	\$ 701,717 \$ 131,072
Friant Dam & Reservoir		\$ 2,846,000	\$ 1,350,711	\$ 202,351	\$ 1,292,938	\$ 8,427	\$ -	\$ 8,427	\$ 1,350,711 \$ 210,778
Gianelli, WR Pumping-Generating Plant		\$ -	\$ -	\$ -	\$ -	\$ 3,156,524	\$ 3,090,741	\$ 65,783	\$ 3,090,741 \$ 65,783
Regenerating Credit		\$ -	\$ -	\$ -	\$ -	\$ (1,313,010)	\$ (1,285,647)	\$ (27,363)	\$ (1,285,647) \$ (27,363)
Handicap Accessibility		\$ 16,000	\$ -	\$ -	\$ 16,000	\$ -	\$ -	\$ -	\$ - \$ -
Hidden Reservoir	4/	\$ 255,720	\$ 255,720	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 227,900 \$ -
New Melones Long Term Operating Plan		\$ 254,000	\$ 87,605	\$ -	\$ 166,395	\$ -	\$ -	\$ -	\$ 87,605 \$ -
New Melones Dam & Reservoir		\$ 2,459,000	\$ 848,108	\$ -	\$ 1,610,892	\$ 1,405	\$ 1,009	\$ 396	\$ 849,117 \$ 396
Life Safety code corrections		\$ 139,000	\$ -	\$ -	\$ 139,000	\$ -	\$ -	\$ -	\$ - \$ -
Nimbus Dam & Reservoir		\$ 458,000	\$ 137,720	\$ 20,610	\$ 299,670	\$ -	\$ -	\$ -	\$ 137,720 \$ 20,610
Sacramento River		\$ 713,000	\$ 609,829	\$ 6,061	\$ 97,110	\$ -	\$ -	\$ -	\$ 609,829 \$ 6,061
San Joaquin River		\$ 243,000	\$ 115,328	\$ 17,277	\$ 110,395	\$ -	\$ -	\$ -	\$ 115,328 \$ 17,277
Shasta Dam & Reservoir		\$ 2,477,000	\$ 1,120,594	\$ 175,372	\$ 1,181,034	\$ 136,127	\$ 88,713	\$ 47,414	\$ 1,209,307 \$ 222,786
San Luis Unit - Other Routine O&M Costs - Joint		\$ 6,251,000	\$ 4,296,937	\$ 1,844,045	\$ 110,018	\$ -	\$ -	\$ -	\$ 4,296,937 \$ 1,844,045
Security Cost		\$ 8,388,388	\$ 3,209,711	\$ 514,577	\$ 4,664,100	\$ -	\$ -	\$ -	\$ 3,209,711 \$ 514,577
Trinity Dam and Clair Engle Lake		\$ 742,000	\$ 135,785	\$ 20,331	\$ 585,884	\$ -	\$ -	\$ -	\$ 135,785 \$ 20,331
New Melones Pumping Plant - ARRA		\$ 7,261	\$ 6,371	\$ 889	\$ -	\$ -	\$ -	\$ -	\$ 6,371 \$ 889
Delta Cross Channel - XO&M		\$ 155,243	\$ 135,026	\$ 20,216	\$ -	\$ -	\$ -	\$ -	\$ 135,026 \$ 20,216
Folsom Dam & Reservoir - XO&M		\$ 478,629	\$ 416,526	\$ 62,103	\$ -	\$ -	\$ -	\$ -	\$ 416,526 \$ 62,103
Folsom Pumping Plant - XO&M		\$ -	\$ -	\$ -	\$ -	\$ 53,620	\$ 50,944	\$ 2,676	\$ 50,944 \$ 2,676
New Melones Pumping Plant - XO&M		\$ -	\$ -	\$ -	\$ -	\$ 30,815	\$ 29,282	\$ 1,533	\$ 29,282 \$ 1,533
Nimbus Dam & Reservoir - XO&M		\$ 86,031	\$ 74,929	\$ 11,102	\$ -	\$ -	\$ -	\$ -	\$ 74,929 \$ 11,102

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A	B	C	D	E	F	G	H	I	J
V									
Component/Facility/Contractor	Total Costs Budget	ALLOCATION OF O&M COSTS			Project Use Energy Cost			Water Contractors	
		Irrigation	M&I	All Other Purposes	Total PUE Cost	Irrigation	M&I	Irrigation	M&I
		Reimbursable O&M Cost							
ref	(C+D+E)	Estimated O&M & Corps Expense	Estimated O&M & Corps Expense	Estimated O&M & Corps Expense	<G+H>	Estimated Project Use Energy Cost	Estimated Project Use Energy Cost	(C+G)	(D+H)
Nimbus Power Plant - XO&M	\$ -	\$ -	\$ -	\$ -	\$ 770	\$ 731	\$ 38	\$ 731	\$ 38
Trinity Dam & Reservoir - XO&M	\$ 417,931	\$ 364,384	\$ 53,547	\$ -	\$ -	\$ -	\$ -	\$ 364,384	\$ 53,547
Northern Cal. Area Office Admin. Bldg - XO&M	\$ 219,739	\$ 191,240	\$ 28,499	\$ -	\$ -	\$ -	\$ -	\$ 191,240	\$ 28,499
Shasta Dam & Reservoir - XO&M	\$ 165,110	\$ 143,696	\$ 21,414	\$ -	\$ -	\$ -	\$ -	\$ 143,696	\$ 21,414
Total Storage Costs	\$ 37,743,069	\$ 19,690,078	\$ 3,760,289	\$ 14,292,702	\$ 2,098,415	\$ 1,985,439	\$ 112,977	\$ 20,975,614	\$ 3,965,230
<u>Conveyance</u>									
Folsom South Canal	\$ 461,000	\$ -	\$ 461,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 461,000
Total Conveyance Costs	\$ 461,000	\$ -	\$ 461,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 461,000
<u>Conveyance and Drainage</u>									
ADA Guidelines	\$ 22,000	\$ -	\$ -	\$ 22,000	\$ -	\$ -	\$ -	\$ -	\$ -
Delta-Mendota Canal	\$ 650,000	\$ 358,345	\$ 27,105	\$ 264,550	\$ -	\$ -	\$ -	\$ 358,345	\$ 27,105
DMC Subsidence Study	\$ 5,000	\$ 2,755	\$ 209	\$ 2,036	\$ -	\$ -	\$ -	\$ 2,755	\$ 209
Friant-Kern Canal	\$ 24,000	\$ 22,318	\$ 1,682	\$ -	\$ -	\$ -	\$ -	\$ 22,318	\$ 1,682
Life Safety Code Corrections	\$ 38,000	\$ -	\$ -	\$ 38,000	\$ -	\$ -	\$ -	\$ -	\$ -
Red Bluff Diversion Dam	\$ 45,000	\$ 36,202	\$ 495	\$ 8,303	\$ -	\$ -	\$ -	\$ 36,202	\$ 495
Red Bluff Pumping Plant (CVPIA)	\$ 224,000	\$ -	\$ -	\$ 224,000	\$ -	\$ -	\$ -	\$ -	\$ -
San Luis Canal - Federal Only	\$ 12,000	\$ 11,756	\$ 244	\$ -	\$ -	\$ -	\$ -	\$ 11,756	\$ 244
Tehama-Colusa Canal	\$ 97,000	\$ 82,963	\$ 825	\$ 13,212	\$ -	\$ -	\$ -	\$ 82,963	\$ 825
Tehama-Colusa Fish Facility	\$ 92,000	\$ 6,376	\$ 64	\$ 85,560	\$ -	\$ -	\$ -	\$ 6,376	\$ 64
Total Conveyance and Drainage Costs	\$ 1,209,000	\$ 520,715	\$ 30,624	\$ 657,661	\$ -	\$ -	\$ -	\$ 520,715	\$ 30,624
Direct Billed	\$ (551,339)	\$ (520,715)	\$ (30,624)	\$ -	\$ -	\$ -	\$ -	\$ (520,715)	\$ (30,624)
Total Conveyance and Drainage Costs	\$ 657,661	\$ -	\$ -	\$ 657,661	\$ -	\$ -	\$ -	\$ -	\$ -
<u>Conveyance Pumping</u>									
Corning Pumping Plant	\$ -	\$ -	\$ -	\$ -	\$ 133,366	\$ 133,366	\$ -	\$ 133,366	\$ -
Dos Amigos Pumping Plant	\$ -	\$ -	\$ -	\$ -	\$ 2,799,795	\$ 2,743,710	\$ 56,085	\$ 2,743,710	\$ 56,085
O'Neill Pumping-Generating Plant	\$ 285,000	\$ 237,148	\$ 45,315	\$ 2,537	\$ 1,803,948	\$ 1,517,123	\$ 286,825	\$ 1,754,271	\$ 332,140
Regen. Credit - O'Neill Pump-Gen Plt	\$ -	\$ -	\$ -	\$ -	\$ (266)	\$ (224)	\$ (42)	\$ (224)	\$ (42)
Tracy Pumping Plant	\$ 1,900,000	\$ 1,515,820	\$ 197,600	\$ 186,580	\$ 10,868,044	\$ 9,629,574	\$ 1,238,469	\$ 11,145,394	\$ 1,436,069
In-Lieu of Jones Pumping	\$ -	\$ -	\$ -	\$ -	\$ 76,880	\$ 76,880	\$ -	\$ 76,880	\$ -

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12/07/2012

A B C D E F G H I J										
V										
		ALLOCATION OF O&M COSTS			Project Use Energy Cost			Water Contractors		
Component/Facility/Contractor		Total Costs Budget	Irrigation	M&I	All Other Purposes	Total PUE Cost	Irrigation	M&I	Irrigation	M&I
									Reimbursable O&M Cost	
ref		(C+D+E)	Estimated O&M & Corps Expense	Estimated O&M & Corps Expense	Estimated O&M & Corps Expense	<G+H>	Estimated Project Use Energy Cost	Estimated Project Use Energy Cost	(C+G)	(D+H)
San Benito County WD										
Gianelli, WR PGP	1/	\$ -	\$ -	\$ -	\$ -	\$ 111,516	\$ 77,561	\$ 33,956	\$ 77,561	\$ 33,956
Pacheco PP - Power	1/	\$ -	\$ -	\$ -	\$ -	\$ 41,410	\$ 28,801	\$ 12,609	\$ 28,801	\$ 12,609
Santa Clara Valley WD										
Coyote PP - Power	1/	\$ -	\$ -	\$ -	\$ -	\$ 55,338	\$ 5,666	\$ 49,672	\$ 5,666	\$ 49,672
Gianelli, WR PGP	1/	\$ -	\$ -	\$ -	\$ -	\$ 821,506	\$ 84,112	\$ 737,394	\$ 84,112	\$ 737,394
Pacheco PP - Power	1/	\$ -	\$ -	\$ -	\$ -	\$ 305,053	\$ 31,233	\$ 273,819	\$ 31,233	\$ 273,819
<u>San Luis Canal - Fresno</u>										
Pleasant Valley Relifts		\$ -	\$ -	\$ -	\$ -	\$ 45,883	\$ 45,883	\$ -	\$ 45,883	\$ -
Pleasant Valley Relifts - XO&M		\$ -	\$ -	\$ -	\$ -	\$ 1,950	\$ 1,950	\$ -	\$ 1,950	\$ -
Pleasant Valley PP - Power and O&M		\$ -	\$ -	\$ -	\$ -	\$ 480,076	\$ 421,886	\$ 58,190	\$ 421,886	\$ 58,190
Pleasant Valley PP - Power and O&M - XO&M		\$ -	\$ -	\$ -	\$ -	\$ 20,207	\$ 17,934	\$ 2,273	\$ 17,934	\$ 2,273
Westlands WD Relifts		\$ -	\$ -	\$ -	\$ -	\$ 2,134,112	\$ 2,121,455	\$ 12,657	\$ 2,121,455	\$ 12,657
Westlands WD Relifts - XO&M		\$ -	\$ -	\$ -	\$ -	\$ 90,675	\$ 90,181	\$ 494	\$ 90,181	\$ 494
<u>San Luis Canal - Tracy</u>										
Panoche WD Canalside Relift - Power		\$ -	\$ -	\$ -	\$ -	\$ 608	\$ 608	\$ -	\$ 608	\$ -
Panoche WD Canalside Relift - Power - XO&M		\$ -	\$ -	\$ -	\$ -	\$ 26	\$ 26	\$ -	\$ 26	\$ -
San Luis WD Canalside Relift - Power		\$ -	\$ -	\$ -	\$ -	\$ 368,744	\$ 362,470	\$ 6,274	\$ 362,470	\$ 6,274
San Luis WD Canalside Relift - Power - XO&M		\$ -	\$ -	\$ -	\$ -	\$ 15,653	\$ 15,408	\$ 245	\$ 15,408	\$ 245
<u>Tehama-Colusa Canal</u>										
Colusa County WD		\$ -	\$ -	\$ -	\$ -	\$ 186,764	\$ 186,158	\$ 606	\$ 186,158	\$ 606
Colusa County WD - XO&M		\$ -	\$ -	\$ -	\$ -	\$ 7,937	\$ 7,913	\$ 24	\$ 7,913	\$ 24
Dunnigan WD Canalside Relift - Power		\$ -	\$ -	\$ -	\$ -	\$ 2,857	\$ 2,857	\$ -	\$ 2,857	\$ -
Dunnigan WD Canalside Relift - Power - XO&M		\$ -	\$ -	\$ -	\$ -	\$ 121	\$ 121	\$ -	\$ 121	\$ -
Westside WD/GV WD Canalside Relift - Power		\$ -	\$ -	\$ -	\$ -	\$ 11,611	\$ 11,611	\$ -	\$ 11,611	\$ -
Westside WD/GV WD Canalside Relift - Pwr - XO&M		\$ -	\$ -	\$ -	\$ -	\$ 494	\$ 494	\$ -	\$ 494	\$ -
Kanawha WD Canalside Relift		\$ -	\$ -	\$ -	\$ -	\$ 31,660	\$ 31,655	\$ 5	\$ 31,655	\$ 5
Kanawha WD Canalside Relift - XO&M		\$ -	\$ -	\$ -	\$ -	\$ 1,346	\$ 1,346	\$ 0	\$ 1,346	\$ 0
Orland-Artois WD Canalside Relift		\$ -	\$ -	\$ -	\$ -	\$ 41,783	\$ 41,783	\$ -	\$ 41,783	\$ -
Orland-Artois WD Canalside Relift - XO&M		\$ -	\$ -	\$ -	\$ -	\$ 1,776	\$ 1,776	\$ -	\$ 1,776	\$ -

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Component/Facility/Contractor	Total Costs Budget	ALLOCATION OF O&M COSTS			Project Use Energy Cost			Water Contractors	
		Irrigation	M&I	All Other Purposes	Total PUE Cost	Irrigation	M&I	Irrigation	M&I
		Reimbursable O&M Cost							
ref	(C+D+E)	Estimated O&M & Corps Expense	Estimated O&M & Corps Expense	Estimated O&M & Corps Expense	<G+H>	Estimated Project Use Energy Cost	Estimated Project Use Energy Cost	(C+G)	(D+H)
<u>Toyon Pipeline</u>									
City of Shasta Lake	\$ -	\$ -	\$ -	\$ -	\$ 25,265	\$ -	\$ 25,265	\$ -	\$ 25,265
City of Shasta Lake - XO&M	\$ -	\$ -	\$ -	\$ -	\$ 987	\$ -	\$ 987	\$ -	\$ 987
Total Direct Costs (Pumping & Other)	\$ 67,000	\$ -	\$ 67,000	\$ -	\$ 5,379,452	\$ 3,921,395	\$ 1,458,057	\$ 3,921,395	\$ 1,525,057
San Luis Drain & Kesterson Reservoir									
Kesterson Reservoir	\$ 200,000	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ -
Water Marketing									
Water Contract Administration	\$ 8,652,000	\$ 7,349,007	\$ 1,302,993	\$ -	\$ -	\$ -	\$ -	\$ 7,349,007	\$ 1,302,993
Water and Power Systems Controls	\$ 9,431,000	\$ 4,372,210	\$ 421,566	\$ 4,637,224	\$ -	\$ -	\$ -	\$ 4,372,210	\$ 421,566
Other Expenses	\$ 12,128,000	\$ 4,894,468	\$ 678,310	\$ 6,555,222	\$ -	\$ -	\$ -	\$ 4,894,468	\$ 678,310
General Expense ^{2/}	\$ 4,793,000	\$ 2,222,035	\$ 214,247	\$ 2,356,718	\$ -	\$ -	\$ -	\$ 763,312	\$ 123,688
Non-Permanent Contractor Revenue ^{3/}	\$ (911,000)	\$ (265,000)	\$ (646,000)	\$ -	\$ -	\$ -	\$ -	\$ (265,000)	\$ (646,000)
Total Water Marketing	\$ 34,093,000	\$ 18,572,720	\$ 1,971,116	\$ 13,549,164	\$ -	\$ -	\$ -	\$ 17,113,997	\$ 1,880,557
Fish and Wildlife O&M - Various activities	\$ 12,376,000	\$ -	\$ -	\$ 12,376,000	\$ -	\$ -	\$ -	\$ -	\$ -
Recreation O&M - Various activities	\$ 1,321,000	\$ -	\$ -	\$ 1,321,000	\$ -	\$ -	\$ -	\$ -	\$ -
Power O&M - Various activities	\$ 4,087,000	\$ -	\$ -	\$ 4,087,000	\$ -	\$ -	\$ -	\$ -	\$ -
Total Current Year O&M	\$ 91,194,847	\$ 38,462,798	\$ 6,259,405	\$ 46,472,644	\$ 8,139,028	\$ 6,506,227	\$ 1,632,801	\$ 42,810,400	\$ 7,893,611

**CENTRAL VALLEY PROJECT
SCHEDULE OF IRRIGATION OPERATION & MAINTENANCE COSTS
BY FACILITY AND/OR COMPONENT
2013 IRRIGATION WATER RATES**

12/07/2012

IRR FOOTNOTES

1/ Suballocation of San Felipe Unit Direct Pumping Costs:

Contractor	2013 Projected Deliveries (Sch A-12)	Ratios	Direct Pumping Allocation (Sch A-11)			
			William R. Gianelli Pump-Generator Plant PUE	Pacheco PP	Coyote PP	Grand Total
San Benito County WD	10,890	0.47974	\$ 77,561	\$ 28,801	\$ -	\$ 106,362
Santa Clara Valley WD	11,810	0.52026	\$ 84,112	\$ 31,233	\$ 5,666	\$ 121,011
Total San Felipe Unit	22,701	1.00000	\$ 161,672	\$ 60,034	\$ 5,666	\$ 227,372
Total San Felipe	22,701	0.01126				
All Other Contractors	1,994,038	0.98874				
Total Storage	2,016,739	1.00000				

1a/ Storage Costs are broken down between San Felipe Unit Contractors and all others as follows:

	San Felipe Unit Storage	All Other Contractors Storage	Total
Projected 2013 Storage Deliveries	22,701	1,994,038	2,016,739
Ratios	0.01126	0.98874	1.00000
Allocated William R. Gianelli PG Costs:			
Project Use Costs	*	3,090,741	3,090,741
Regeneration Credit		(1,285,647)	(1,285,647)
Allocated Storage O&M Costs	199,948	17,557,442	17,757,390
ARRA	72	6,300	6,371
Extraordinary O&M	15,840	1,390,919	1,406,759
	\$ 215,860	\$ 20,759,754	\$ 20,975,614
Cost per Acre-foot (to Schedule A-8)	\$ 9.51	\$ 10.41	

* San Felipe Unit contractors' share of the William R. Gianelli PG PUE has been included in the direct pumping section (See Schedule 11, page 5)

- 2/ General & Administrative (G&A) expenses have been incorporated into Water Marketing costs. Reimbursable costs for Irrigation and M&I are based on 18.5 percent of the total G&A costs.
- 3/ Non-permanent revenue was calculated using most recent five-year average.
- 4/ Costs estimated based on average of previous 5 years of actual O&M cost.

CENTRAL VALLEY PROJECT
SCHEDULE OF M&I OPERATION & MAINTENANCE COSTS
BY FACILITY AND/OR COMPONENT
2013 M&I WATER RATES

12/07/2012

M&I FOOTNOTES

1/ Suballocation of San Felipe Unit Direct Pumping Costs:

	FY 2013 Projected Deliveries <Sch A-12>	Ratios	Direct Pumping Allocation (Sch A-11)			
			William R. Gianelli Pump-Generator Plant PUE	Pacheco PP	Coyote PP	Grand Total
San Benito County WD	4,768	0.044021	\$ 33,956	\$ 12,609		\$ 46,564
Santa Clara Valley WD	103,538	0.955979	\$ 737,394	\$ 273,819	\$ 49,672	\$ 1,060,886
Total San Felipe Unit	<u>108,306</u>	<u>1.000000</u>	<u>\$ 771,350</u>	<u>\$ 286,428</u>	<u>\$ 49,672</u>	<u>\$ 1,107,450</u>
Total San Felipe Unit	108,306	0.269864				
All Other Contractors	293,030	0.730136				
Total Storage	<u>401,336</u>	<u>1.000000</u>				

1a/ Storage Costs are broken down between San Felipe Unit Contractors and all others as follows:

	San Felipe Unit Storage	All Other Contractors Storage	Total
Projected 2013 Storage Deliveries	<u>108,306</u>	<u>293,030</u>	<u>401,336</u>
Ratios	<u>0.269864</u>	<u>0.730136</u>	<u>1.000000</u>
Allocated Gianelli, WR Pump Generator Costs			
Project Use Costs	*	\$ 65,783	\$ 65,783
Regeneration Credit		\$ (27,363)	\$ (27,363)
Allocated Storage O&M Costs	\$ 1,005,188	\$ 2,719,605	\$ 3,724,793
ARRA	\$ 240	\$ 649	\$ 889
Extraordinary O&M	\$ 54,277	\$ 146,850	\$ 201,127
Total	<u>\$ 1,059,705</u>	<u>\$ 2,905,525</u>	<u>\$ 3,965,230</u>
Cost per Acre-foot (to Schedule A-8)	<u>\$9.78</u>	<u>\$9.92</u>	

*San Felipe Unit contractors' share of the William R. Gianelli PG PUE has been included in the direct pumping section(see Schedule A-11, page 3)

2/ General & Administrative (G&A) expenses have been incorporated into Water Marketing costs. Reimbursable costs for Irrigation and M&I are based on 18.5 percent of the total G&A costs.

3/ Non-permanent revenue was calculated using most recent five-year average.

4/ Costs estimated based on average of previous 5 years of actual O&M cost.