IRR 2013 Sch A-5 F.Z15.XLSM

12/20/2012

CENTRAL VALLEY PROJECT
SCHEDULE OF IRRIGATION CONSTRUCTION AND PROJECT USE ENERGY COSTS BY COMPONENT
AS OF SEPTEMBER 30, 2011
2013 IRRIGATION WATER RATES

A	B	C	D	E	F	G
		Allocation of Project Use Energy Construction Costs				
				CVP PUE Construction Costs as of 9/30/11		
Component/Facility	**Irrigation Construction Costs at 09/30/11**	**Historical & Projected (1981-2030) KWH Per AF**	**Ratio of Total**	**(BOR)**	**(DOE)**	**Total Irrigation Construction Costs at 09/30/11**
		1/		**1/**	**1/**	
Ref	<Cost Allocation>	<Sch A-7>	(C/Total C)	(D*Cost Allocation)	(D*Cost Allocation)	(B+E+F)
Storage 2/						
San Felipe Unit Contractors	$ 4,107,656					$ 4,107,656
All Other Contractors	$ 376,859,295	10,206,958,238	0.204943	$ 20,742,412	$ 14,365,080	$ 411,966,787
Total Storage	$ 380,966,951	10,206,958,238	0.204943	$ 20,742,412	$ 14,365,080	$ 416,074,443
Conveyance						
Contra Costa WD **3/**						
All Other Contractors **4/**	$ 405,509,243					$ 405,509,243
Total Conveyance	$ 405,509,243					$ 405,509,243
Conveyance Pumping						
Corning Pumping Plant	$ 2,529,063	92,433,289	0.001856	$ 187,841	$ 130,089	$ 2,846,993
Dos Amigos Pumping Plant	$ 13,088,439	6,678,381,863	0.134093	$ 13,571,697	$ 9,399,029	$ 36,059,165
O'Neill Pump-Generator Plant	$ 11,403,751	2,899,134,230	0.058211	$ 5,891,573	$ 4,080,187	$ 21,375,511
Jones Pumping Plant	$ 22,210,103	22,686,317,948	0.455512	$ 46,102,760	$ 31,928,296	$ 100,241,159
Total Conveyance Pumping	$ 49,231,356	32,356,267,330	0.649673	$65,753,871	$45,537,600	$160,522,827
Direct Pumping 2/						
Bella Vista WD (Wintu PP)	$ 847,531	211,456,932	0.004246	$ 429,719	$ 297,600	$ 1,574,851
Colusa County WD Canalside Relifts	$ 12,635,431	284,622,360	0.005715	$ 578,405	$ 400,572	$ 13,614,408
Colusa Service Area - Cortina	$ 141,792					$ 141,792
Colusa Service Area - Davis	$ 180,305					$ 180,305
Contra Costa Pumping Plants	$ -					
Corning WD Canalside Relifts	$ 2,779,835	143,039,585	0.002872	$ 290,683	$ 201,311	$ 3,271,829
Dunnigan WD Canalside Relifts	$ 1,700,384	3,261,990	0.000065	$ 6,629	$ 4,591	$ 1,711,603
Kanawha WD Canalside Relifts	$ 2,753,824	38,256,691	0.000768	$ 77,745	$ 53,842	$ 2,885,410
Orland-Artois WD Canalside Relifts	$ 7,496,789	84,229,031	0.001691	$ 171,169	$ 118,542	$ 7,786,501

CENTRAL VALLEY PROJECT
SCHEDULE OF IRRIGATION CONSTRUCTION AND PROJECT USE ENERGY COSTS BY COMPONENT
AS OF SEPTEMBER 30, 2011
2013 IRRIGATION WATER RATES

A	B	C	D	E	F	G
		Allocation of Project Use Energy Construction Costs				
				CVP PUE Construction Costs as of 9/30/11		
Component/Facility	**Irrigation Construction Costs at 09/30/11**	**Historical & Projected (1981-2030) KWH Per AF**	**Ratio of Total**	**(BOR)**	**(DOE)**	**Total Irrigation Construction Costs at 09/30/11**
		1/		**1/**	**1/**	
Ref	<Cost Allocation>	<Sch A-7>	(C/Total C)	(D*Cost Allocation)	(D*Cost Allocation)	(B+E+F)
Panoche WD Relifts	$ 16,601	2,304,698	0.000046	$ 4,684	$ 3,244	$ 24,528
Proberta WD Canalside Relifts	$ 172,158	6,909,248	0.000139	$ 14,041	$ 9,724	$ 195,923
San Benito County WD:						
Pacheco Pumping Plant		174,445,506	0.003503	$ 354,505	$ 245,511	$ 600,017
Gianelli, William R. Pump-Generator Plant **2/**	$ 162,595	263,079,093	0.005282	$ 534,625	$ 370,253	$ 1,067,473
San Luis WD Canalside Relifts & Turnouts	$ 8,367,659	1,129,972,822	0.022688	$ 2,296,312	$ 1,590,302	$ 12,254,274
Santa Clara Valley WD:						
Coyote Pumping Plant		39,879,543	0.000801	$ 81,043	$ 56,126	$ 137,168
Pacheco Pumping Plant		138,556,830	0.002782	$ 281,573	$ 195,002	$ 476,575
Gianelli, William R. Pump-Generator Plant **2/**	$ 129,145	208,955,828	0.004196	$ 424,637	$ 294,080	$ 847,862
State-Delta Pumping Plant (Cross Valley Canal)	$ -	840,646,662	0.016879	$ 1,708,348	$ 1,183,110	$ 2,891,458
Westlands WD:						
Pleasant Valley Canalside Relifts	$ 1,343,051	9,955,639	0.000200	$ 20,232	$ 14,011	$ 1,377,295
Pleasant Valley Pumping Plant	$ 9,916,792	779,094,910	0.015643	$ 1,583,264	$ 1,096,483	$ 12,596,539
Westlands WD Canalside Relifts	$ 36,349,172	2,839,853,089	0.057021	$ 5,771,102	$ 3,996,756	$ 46,117,030
Westside WD Canalside Relifts	$ 7,002,377	42,196,565	0.000847	$ 85,751	$ 59,387	$ 7,147,514
Total Direct Pumping	$ 91,995,442	7,240,717,022	0.145384	$ 14,714,465	$ 10,190,448	$ 116,900,355
San Luis Drain	$ 52,381,552					$ 52,381,552
Other Costs	$ 19,672,026					$ 19,672,026
Grand Total	$ 999,756,570	49,803,942,590	1.000000	$101,210,748	$ 70,093,129	$ 1,171,060,447

CENTRAL VALLEY PROJECT
SCHEDULE OF IRRIGATION CONSTRUCTION AND PROJECT USE ENERGY COSTS BY COMPONENT
AS OF SEPTEMBER 30, 2011
2013 IRRIGATION WATER RATES

Footnotes:

1/ These costs represent the total Pumping Project Use Power costs allocated to Irrigation for the CVP Bureau of Reclamation (BOR) and Western Area Power Administration (DOE). The costs are allocated to components based on the ratios identified above under "Allocation of Project Use Energy Costs". They are then suballocated to individual facilities based on the historical and projected 1981-2030 KWHs/AF.

2/ Allocation of Storage Costs:

	San Felipe Unit			All Other Storage Contractors	Total
	Storage	San Benito	Santa Clara		
Historical and Projected 1981-2030 Irrigation Del. (Sch A-7)	1,489,069	829,903	659,167	127,556,049	129,045,118
Ratios	0.011539	0.557330	0.442670	0.988461	1.000000
Allocated Gianelli, WR Pump-Generator Costs	$ 291,740	$ 162,595	$ 129,145	$ 24,990,925	$ 25,282,665
Allocated Other Storage Costs	$ 4,107,656			$ 351,868,370	$ 355,976,026
Total	$ 4,399,396	$ 162,595	$ 129,145	$ 376,859,295	$ 381,258,691

3/ Contra Costa Water District's conveyance facility costs are recovered through a repayment contract.

4/ Glide WD's cost of the Relift Pumping Plant is included in conveyance for ratesetting purposes.