IRR 2016 Sch A-5 F.Z18.XLSM
11/25/2015

CENTRAL VALLEY PROJECT
SCHEDULE OF IRRIGATION CONSTRUCTION AND PROJECT USE ENERGY COSTS BY COMPONENT
AS OF SEPTEMBER 30, 2014
2016 IRRIGATION WATER RATES

A	B	C	D	E	F	G
		Allocation of Project Use Energy Construction Costs				
				CVP PUE Construction Costs as of 9/30/14		
Component/Facility	**Irrigation Construction Costs at 09/30/14**	**Historical & Projected (1981-2030) KWH Per AF 1/**	**Ratio of Total**	**(BOR) 1/**	**(DOE) 1/**	**Total Irrigation Construction Costs at 09/30/14**
Ref	<Cost Allocation>	<Sch A-7>	(C/Total C)	(D*PUE BOR)	(D*PUE DOE)	(B+E+F)
Storage 2/						
San Felipe Unit Contractors	$ 3,805,518					$ 3,805,518
All Other Contractors	$ 364,173,770	8,728,829,236	0.204584	$ 22,200,440	$ 16,264,687	$ 402,638,897
Total Storage	$ 367,979,288	8,728,829,236	0.204584	$ 22,200,440	$ 16,264,687	$ 406,444,415
Conveyance						
Contra Costa WD 3/	$ -					$ -
All Other Contractors 4/	$ 407,390,151					$ 407,390,151
Total Conveyance	$ 407,390,151					$ 407,390,151
Conveyance Pumping						
Corning Pumping Plant	$ 2,529,063	80,698,159	0.001891	$ 205,243	$ 150,367	$ 2,884,673
DMC - California Aqueduct Intertie	$ 26,872,613	-	-	$ -	$ -	$ 26,872,613
Dos Amigos Pumping Plant	$ 14,433,559	5,751,699,539	0.134807	$ 14,628,567	$ 10,717,313	$ 39,779,439
O'Neill Pump-Generator Plant	$ 11,685,959	2,479,328,061	0.058110	$ 6,305,791	$ 4,619,806	$ 22,611,556
Jones Pumping Plant	$ 22,492,622	19,368,317,971	0.453950	$ 49,260,350	$ 36,089,562	$ 107,842,534
Total Conveyance Pumping	78,013,817	27,680,043,730	0.648758	$70,399,952	$51,577,047	$199,990,816
Direct Pumping 2/						
Bella Vista WD (Wintu PP)	$ 843,298	170,171,581	0.003988	$ 432,805	$ 317,086	$ 1,593,189
Colusa County WD Canalside Relifts	$ 12,635,431	253,097,959	0.005932	$ 643,716	$ 471,605	$ 13,750,752
Colusa Service Area - Cortina	$ 141,792					$ 141,792
Colusa Service Area - Davis	$ 180,305					$ 180,305
Contra Costa Pumping Plants	$ -					

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Component/Facility	**Irrigation Construction Costs at 09/30/14**	**Historical & Projected (1981-2030) KWH Per AF 1/**	**Ratio of Total**	**(BOR) 1/**	**(DOE) 1/**	**Total Irrigation Construction Costs at 09/30/14**
Ref	<Cost Allocation>	<Sch A-7>	(C/Total C)	(D*PUE BOR)	(D*PUE DOE)	(B+E+F)
Corning WD Canalside Relifts	$ 2,779,835	123,682,712	0.002899	$ 314,568	$ 230,462	$ 3,324,865
Dunnigan WD Canalside Relifts	$ 1,700,384	2,791,469	0.000065	$ 7,100	$ 5,201	$ 1,712,685
Kanawha WD Canalside Relifts	$ 2,753,824	35,447,902	0.000831	$ 90,156	$ 66,051	$ 2,910,031
Orland-Artois WD Canalside Relifts	$ 7,496,789	77,796,352	0.001823	$ 197,863	$ 144,960	$ 7,839,613
Panoche WD Relifts	$ 17,188	2,048,840	0.000048	$ 5,211	$ 3,818	$ 26,216
Proberta WD Canalside Relifts	$ 172,158	6,505,322	0.000152	$ 16,545	$ 12,122	$ 200,825
San Benito County WD:						
Pacheco Pumping Plant		135,612,212	0.003178	$ 344,909	$ 252,690	$ 597,599
Gianelli, William R. Pump-Generator Plant **2/**	$ 130,806	204,515,086	0.004793	$ 520,153	$ 381,079	$ 1,032,038
San Luis WD Canalside Relifts & Turnouts	$ 8,367,072	939,169,873	0.022012	$ 2,388,635	$ 1,749,983	$ 12,505,690
Santa Clara Valley WD:						
Coyote Pumping Plant		38,431,052	0.000901	$ 97,743	$ 71,610	$ 169,353
Pacheco Pumping Plant		133,524,145	0.003130	$ 339,598	$ 248,800	$ 588,398
Gianelli, William R. Pump-Generator Plant **2/**	$ 128,792	201,366,099	0.004720	$ 512,144	$ 375,211	$ 1,016,147
State-Delta Pumping Plant (Cross Valley Canal)	$ -	792,591,978	0.018577	$ 2,015,836	$ 1,476,860	$ 3,492,696
Westlands WD:						
Pleasant Valley Canalside Relifts	$ 1,342,915	8,511,339	0.000199	$ 21,647	$ 15,859	$ 1,380,422
Pleasant Valley Pumping Plant	$ 9,922,096	666,068,796	0.015611	$ 1,694,044	$ 1,241,106	$ 12,857,246
Westlands WD Canalside Relifts	$ 36,345,485	2,427,865,337	0.056904	$ 6,174,904	$ 4,523,914	$ 47,044,302
Westside WD Canalside Relifts	$ 7,002,377	38,153,360	0.000894	$ 97,037	$ 71,092	$ 7,170,506
Total Direct Pumping	$ 91,960,546	6,257,351,414	0.146658	$ 15,914,615	$ 11,659,509	$ 119,534,670
San Luis Drain	$ 52,381,552					$ 52,381,552
Other Costs	$ 19,507,510					$ 19,507,510
Grand Total	$ 1,017,232,864	42,666,224,380	1.000000	$108,515,007	$ 79,501,243	$ 1,205,249,114

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Footnotes:

1/ The costs (BOR - $108,515,007 DOE - $79,501,243) are allocated to components based on the ratios identified under "Allocation of Project Use Energy Costs". They are then suballocated to individual facilities based on the historical and projected 1981-2030 KWHs per A/F.

2/ Allocation of Storage Costs:

	San Felipe Unit			All Other	
	Storage	San Benito	Santa Clara	Storage Contractors	Total
Historical and Projected 1981-2030 Irrigation Del. (Sch A-7)	1,280,382	645,158	635,224	114,703,176	115,983,558
Ratios	0.011039	0.503879	0.496121	0.988961	1.000000
Allocated Gianelli, WR Pump-Generator Costs	$ 259,598	$ 130,806	$ 128,792	$ 23,256,073	$ 23,515,670
Allocated Other Storage Costs	$ 3,805,518			$ 340,917,697	$ 344,723,215
Total	$ 4,065,115	$ 130,806	$ 128,792	$ 364,173,770	$ 368,238,885

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.