RECLAMATION
Managing Water in the West

U.S. Department of the Interior
Bureau of Reclamation

IRR 2015 Sch A-5 F.Z17.XLSM
12/12/2014

CENTRAL VALLEY PROJECT
SCHEDULE OF IRRIGATION CONSTRUCTION AND PROJECT USE ENERGY COSTS BY COMPONENT
AS OF SEPTEMBER 30, 2013
2015 IRRIGATION WATER RATES

A	B	C	D	E	F	G
		Allocation of Project Use Energy Construction Costs				
				CVP PUE Construction Costs as of 9/30/13		
Component/Facility	**Irrigation Construction Costs at 09/30/13**	**Historical & Projected (1981-2030) KWH Per AF**	**Ratio of Total**	**(BOR)**	**(DOE)**	**Total Irrigation Construction Costs at 09/30/13**
		1/		**1/**	**1/**	
Ref	<Cost Allocation>	<Sch A-7>	(C/Total C)	(D*PUE BOR)	(D*PUE DOE)	(B+E+F)
Storage 2/						
San Felipe Unit Contractors	$ 3,961,942					$ 3,961,942
All Other Contractors	$ 368,823,775	9,667,180,524	0.203060	$ 22,324,399	$ 14,846,262	$ 405,994,436
Total Storage	$ 372,785,716	9,667,180,524	0.203060	$ 22,324,399	$ 14,846,262	$ 409,956,377
Conveyance						
Contra Costa WD 3/	$ -					$ -
All Other Contractors 4/	$ 407,213,035					$ 407,213,035
Total Conveyance	$ 407,213,035					$ 407,213,035
Conveyance Pumping						
Corning Pumping Plant	$ 2,529,063	91,079,854	0.001913	$ 210,331	$ 139,875	$ 2,879,268
DMC - California Aqueduct Intertie	$ 26,863,482	-	-	$ -	$ -	$ 26,863,482
Dos Amigos Pumping Plant	$ 14,452,563	6,349,549,575	0.133373	$ 14,663,001	$ 9,751,248	$ 38,866,812
O'Neill Pump-Generator Plant	$ 11,688,721	2,746,489,842	0.057690	$ 6,342,463	$ 4,217,890	$ 22,249,074
Jones Pumping Plant	$ 22,119,848	21,815,251,886	0.458232	$ 50,377,914	$ 33,502,523	$ 106,000,286
Total Conveyance Pumping	77,653,676	31,002,371,157	0.651208	$71,593,709	$47,611,537	$196,858,922
Direct Pumping 2/						
Bella Vista WD (Wintu PP)	$ 842,486	207,334,761	0.004355	$ 478,798	$ 318,412	$ 1,639,696
Colusa County WD Canalside Relifts	$ 12,635,431	281,307,991	0.005909	$ 649,624	$ 432,016	$ 13,717,070
Colusa Service Area - Cortina	$ 141,792					$ 141,792
Colusa Service Area - Davis	$ 180,305					$ 180,305
Contra Costa Pumping Plants	$ -					

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		1/		**1/**	**1/**	
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	140,887,299	0.002959	$ 325,351	$ 216,366	$ 3,321,552
Dunnigan WD Canalside Relifts	$ 1,700,384	3,221,191	0.000068	$ 7,439	$ 4,947	$ 1,712,769
Kanawha WD Canalside Relifts	$ 2,753,824	38,033,031	0.000799	$ 87,830	$ 58,409	$ 2,900,062
Orland-Artois WD Canalside Relifts	$ 7,496,789	83,796,751	0.001760	$ 193,512	$ 128,690	$ 7,818,991
Panoche WD Relifts	$ 17,104	2,193,081	0.000046	$ 5,064	$ 3,368	$ 25,536
Proberta WD Canalside Relifts	$ 172,158	6,896,032	0.000145	$ 15,925	$ 10,591	$ 198,674
San Benito County WD:						
Pacheco Pumping Plant		163,951,271	0.003444	$ 378,612	$ 251,786	$ 630,399
Gianelli, William R. Pump-Generator Plant **2/**	$ 152,956	247,252,868	0.005194	$ 570,981	$ 379,716	$ 1,103,652
San Luis WD Canalside Relifts & Turnouts	$ 8,367,156	1,069,783,878	0.022471	$ 2,470,450	$ 1,642,908	$ 12,480,514
Santa Clara Valley WD:						
Coyote Pumping Plant		38,786,308	0.000815	$ 89,569	$ 59,566	$ 149,135
Pacheco Pumping Plant		134,758,285	0.002831	$ 311,197	$ 206,953	$ 518,151
Gianelli, William R. Pump-Generator Plant **2/**	$ 125,721	203,227,289	0.004269	$ 469,312	$ 312,104	$ 907,137
State-Delta Pumping Plant (Cross Valley Canal)	$ -	838,748,796	0.017618	$ 1,936,921	$ 1,288,099	$ 3,225,020
Westlands WD:						
Pleasant Valley Canalside Relifts	$ 1,342,888	9,426,694	0.000198	$ 21,769	$ 14,477	$ 1,379,134
Pleasant Valley Pumping Plant	$ 9,921,895	737,701,438	0.015495	$ 1,703,572	$ 1,132,917	$ 12,758,383
Westlands WD Canalside Relifts	$ 36,344,747	2,688,971,113	0.056482	$ 6,209,635	$ 4,129,557	$ 46,683,939
Westside WD Canalside Relifts	$ 7,002,377	41,642,702	0.000875	$ 96,165	$ 63,952	$ 7,162,494
Total Direct Pumping	$ 91,977,848	6,937,920,779	0.145732	$ 16,021,726	$ 10,654,832	$ 118,654,406
San Luis Drain	$ 52,381,552					$ 52,381,552
Other Costs	$ 20,019,287					$ 20,019,287
Grand Total	$ 1,022,031,114	47,607,472,460	1.000000	$109,939,834	$ 73,112,631	$ 1,205,083,579

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Footnotes:

1/ The costs (BOR - $109,939,834 DOE - $73,112,631) 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)	1,421,073	779,978	641,096	123,596,480	125,017,553
Ratios	0.011367	0.548865	0.451135	0.988633	1.000000
Allocated Gianelli, WR Pump-Generator Costs	$ 278,677	$ 152,956	$ 125,721	$ 24,237,663	$ 24,516,340
Allocated Other Storage Costs	$ 3,961,942			$ 344,586,111	$ 348,548,053
Total	$ 4,240,619	$ 152,956	$ 125,721	$ 368,823,775	$ 373,064,393

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.