



IRR 2022 Sch A-5 F.Z24.XLSM
09/24/2021

CENTRAL VALLEY PROJECT
SCHEDULE OF IRRIGATION CONSTRUCTION AND PROJECT USE ENERGY COSTS BY COMPONENT
AS OF SEPTEMBER 30, 2020
2022 IRRIGATION WATER RATES

A	B	C	D	E	F	G
Component/Facility	Irrigation Construction Costs at 09/30/20	Allocation of Project Use Energy Construction Costs				Total Irrigation Construction Costs at 09/30/20
		Historical & Projected (1981-2030) KWH Per AF 1/ <Sch A-7>	Ratio of Total (C/Total C)	CVP PUE Construction Costs at 09/30/20 (BOR) 1/ (D*PUE BOR)	CVP PUE Construction Costs at 09/30/20 (DOE) 1/ (D*PUE DOE)	
Ref	<Cost Allocation>					(B+E+F)
Storage 2/						
San Felipe Unit Contractors	\$ 3,527,213					\$ 3,527,213
All Other Contractors	\$ 340,665,694	8,766,058,529	0.206781	\$ 20,596,036	\$ 17,127,531	\$ 378,389,260
Total Storage	\$ 344,192,906	8,766,058,529	0.206781	\$ 20,596,036	\$ 17,127,531	\$ 381,916,473
Conveyance						
Contra Costa WD 3/	\$ -					\$ -
All Other Contractors 4/	\$ 381,455,687					\$ 381,455,687
Total Conveyance	\$ 381,455,687					\$ 381,455,687
Conveyance Pumping						
Corning Pumping Plant	\$ 2,529,063	69,563,016	0.001641	\$ 163,440	\$ 135,915	\$ 2,828,418
DMC - California Aqueduct Intertie	\$ 26,962,641	-	-	\$ -	\$ -	\$ 26,962,641
Dos Amigos Pumping Plant	\$ 14,368,709	5,743,857,377	0.135491	\$ 13,495,312	\$ 11,222,614	\$ 39,086,635
O'Neill Pump-Generator Plant	\$ 11,268,970	2,486,937,390	0.058664	\$ 5,843,111	\$ 4,859,093	\$ 21,971,174
Jones Pumping Plant	\$ 32,668,269	19,194,718,772	0.452780	\$ 45,098,389	\$ 37,503,530	\$ 115,270,187
Total Conveyance Pumping	87,797,651	27,495,076,555	0.648575	\$64,600,251	\$53,721,153	\$206,119,054
Direct Pumping 2/						
Bella Vista WD (Wintu PP)	\$ 671,831	153,032,936	0.003610	\$ 359,554	\$ 299,003	\$ 1,330,388
Colusa County WD Canalside Relifts	\$ 12,605,087	233,461,270	0.005507	\$ 548,522	\$ 456,147	\$ 13,609,757
Colusa Service Area - Cortina	\$ 141,792					\$ 141,792
Colusa Service Area - Davis	\$ 180,305					\$ 180,305
Contra Costa Pumping Plants	\$ -					

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Ref	<Cost Allocation>					(B+E+F)
Corning WD Canalside Relifts	\$ 2,779,835	110,113,280	0.002597	\$ 258,713	\$ 215,144	\$ 3,253,693
Dunnigan WD Canalside Relifts	\$ 1,700,384	2,649,331	0.000062	\$ 6,225	\$ 5,176	\$ 1,711,785
Kanawha WD Canalside Relifts	\$ 2,752,679	34,465,613	0.000813	\$ 80,978	\$ 67,341	\$ 2,900,997
Orland-Artois WD Canalside Relifts	\$ 7,496,789	71,297,187	0.001682	\$ 167,514	\$ 139,304	\$ 7,803,607
Panoche WD Relifts	\$ 17,104	1,928,656	0.000045	\$ 4,531	\$ 3,768	\$ 25,404
Proberta WD Canalside Relifts	\$ 172,158	5,303,383	0.000125	\$ 12,460	\$ 10,362	\$ 194,981
San Benito County WD:						
Pacheco Pumping Plant	\$ -	125,941,270	0.002971	\$ 295,902	\$ 246,070	\$ 541,971
Gianelli, William R. Pump-Generator Plant 2/	\$ 126,078	189,930,459	0.004480	\$ 446,246	\$ 371,095	\$ 943,419
San Luis WD Canalside Relift Pumping Plants	\$ 8,367,156	934,194,680	0.022037	\$ 2,194,910	\$ 1,825,273	\$ 12,387,339
Santa Clara Valley WD:						
Coyote Pumping Plant	\$ -	38,786,187	0.000915	\$ 91,129	\$ 75,782	\$ 166,911
Pacheco Pumping Plant	\$ -	134,757,749	0.003179	\$ 316,616	\$ 263,296	\$ 579,912
Gianelli, William R. Pump-Generator Plant 2/	\$ 134,904	203,226,481	0.004794	\$ 477,485	\$ 397,073	\$ 1,009,462
State-Delta Pumping Plant (Cross Valley Canal)	\$ -	726,142,810	0.017129	\$ 1,706,088	\$ 1,418,771	\$ 3,124,859
Westlands WD:						
Pleasant Valley Canalside Relifts	\$ 1,336,873	8,586,068	0.000203	\$ 20,173	\$ 16,776	\$ 1,373,822
Pleasant Valley Pumping Plant	\$ 9,877,456	671,916,833	0.015850	\$ 1,578,682	\$ 1,312,822	\$ 12,768,961
Westlands WD Canalside Relifts	\$ 36,181,965	2,449,181,825	0.057773	\$ 5,754,403	\$ 4,785,325	\$ 46,721,693
Westside WD Canalside Relifts	\$ 7,002,377	36,999,328	0.000873	\$ 86,931	\$ 72,291	\$ 7,161,598
Total Direct Pumping	\$ 91,544,775	6,131,915,346	0.144644	\$ 14,407,062	\$ 11,980,820	\$ 117,932,656
San Luis Drain	\$ 52,381,552					\$ 52,381,552
Other Costs	\$ 50,046,890					\$ 50,046,890
Grand Total	<u>\$ 1,007,419,461</u>	<u>42,393,050,430</u>	<u>1.000000</u>	<u>\$99,603,349</u>	<u>\$ 82,829,503</u>	<u>\$ 1,189,852,314</u>

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Footnotes:

- 1/ The costs (BOR - \$102,475,949.59 and DOE - \$82,706,041.52) 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 Storage	San Felipe Unit San Benito	San Felipe Unit Santa Clara	All Other Storage Contractors	Total
Historical and Projected 1981-2030 Irrigation Del. (Sch A-7)	1,240,243	599,150	641,093	111,532,839	112,773,081
Ratios	0.010998	0.483091	0.516909	0.989002	1.000000
Allocated Gianelli, WR Pump-Generator Costs	\$ 260,982	\$ 126,078	\$ 134,904	\$ 23,469,675	\$ 23,730,657
Allocated Other Storage Costs	\$ 3,527,213			\$ 317,196,019	\$ 320,723,231
Total	\$ 3,788,195	\$ 126,078	\$ 134,904	\$ 340,665,694	\$ 344,453,889

- 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.