



BUREAU OF RECLAMATION

Special Rates 2021 Sch S-1.Z23.XLSM
12/22/2020

CENTRAL VALLEY PROJECT
SCHEDULE OF IRRIGATION UNPAID CONSTRUCTION COSTS BY COMPONENT AND/OR FACILITY
AS OF SEPTEMBER 30, 2019
2021 SPECIAL WATER RATES

A Component/Facility	B Net Construction Costs at 9/30/2019	C Ratio of Total	D Cumulative Construction Repayment at 9/30/2019 1/	Unpaid Construction			
				E Net Unpaid Construction at 9/30/2019	F Annualized Costs 10 Remaining Years	G FY 2021 Projected Deliveries	H Unpaid Construction Cost Per Acre Foot
Ref	<Sch A-4>	<B/(\$1,126,674,307)>	<C*\$754,407,272>	<B-D>	<E/11>	<Sch S-5>	<F/G>
Storage							
San Felipe Unit Contractors	\$ 2,862,740	0.002541	\$ 1,916,856	\$ 945,884	\$ 94,588.45	17,719	\$ 5.34
All Other Contractors	\$ 350,512,835	0.311104	\$ 234,699,087	\$ 115,813,747	\$ 11,581,375	1,386,224	\$ 8.35
Total Storage	\$ 353,375,575	0.313645	\$ 236,615,943	\$ 116,759,632	\$ 11,675,963		
Conveyance							
Contra Costa WD	\$ -	-	\$ -	\$ -	\$ -	-	\$ -
All Other Contractors	\$ 377,047,865	0.334656	\$ 252,466,618	\$ 124,581,248	\$ 12,458,125	1,299,323	\$ 9.59
Total Conveyance	\$ 377,047,865	0.334656	\$ 252,466,618	\$ 124,581,248	\$ 12,458,125		
Conveyance Pumping							
Corning Pumping Plant							
Construction only	\$ 2,513,939	0.002231	\$ 1,683,303	\$ 830,636	\$ 83,064	7,653	\$ 10.85
PUE only	\$ 307,217	0.000273	\$ 205,709	\$ 101,508	\$ 10,151	7,653	\$ 1.33
							\$ 12.18
Dos Amigos Pumping Plant							
Construction only	\$ 13,584,554	0.012057	\$ 9,096,051	\$ 4,488,504	\$ 448,850	420,034 2/	\$ 1.07
PUE only	\$ 24,554,602	0.021794	\$ 16,441,460	\$ 8,113,142	\$ 811,314	439,412	\$ 1.85
							\$ 2.92
O'Neill Pump-Generator Plant							
Construction only	\$ 13,033,376	0.011568	\$ 8,726,989	\$ 4,306,388	\$ 430,639	439,382	\$ 0.98
PUE only	\$ 10,693,000	0.009491	\$ 7,159,902	\$ 3,533,099	\$ 353,310	439,382	\$ 0.80
							\$ 1.78
Jones Pumping Plant							
Delta Mendota Exchange							
Construction only	\$ 7,497,047 3/	0.006654	\$ 5,019,931	\$ 2,477,117	\$ 247,712	429,838 4/	\$ 0.58
PUE only	\$ 30,131,306 3/	0.026744	\$ 20,175,552	\$ 9,955,754	\$ 995,575	429,838 4/	\$ 2.32
							\$ 2.90

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All Other Contractors								
Construction only	\$ 12,944,862 3/	0.011489	\$ 8,667,720	\$ 4,277,141	\$ 427,714	526,374 5/	\$ 0.81	
PUE only	\$ 52,704,697 3/	0.046779	\$ 35,290,418	\$ 17,414,280	\$ 1,741,428	526,374 5/	\$ 3.31	
							\$ 4.12	
Total Conveyance Pumping	\$ 167,964,601	0.149080	\$ 112,467,033	\$ 55,497,568	\$ 5,549,757			
Direct Pumping								
Bella Vista WD (Wintu PP)	\$ 1,327,075	0.001178	\$ 888,593	\$ 438,482	\$ 43,848	3,452	\$ 12.70	
Colusa County WD Relift PP	\$ 12,183,066	0.010813	\$ 8,157,631	\$ 4,025,435	\$ 402,543	26,763	\$ 15.04	
Colusa Service Area - Cortina	\$ 139,480	0.000124	\$ 93,394	\$ 46,086	\$ 4,609	671	\$ 6.87	
Colusa Service Area - Davis	\$ 173,920	0.000154	\$ 116,455	\$ 57,465	\$ 5,747	2,806	\$ 2.05	
Corning WD Relift PP	\$ 3,252,265	0.002887	\$ 2,177,677	\$ 1,074,588	\$ 107,459	6,311	\$ 17.03	
Dunnigan WD Relift PP	\$ 1,655,236	0.001469	\$ 1,108,325	\$ 546,910	\$ 54,691	7,068	\$ 7.74	
Kanawha WD Relift PP	\$ 2,837,555	0.002519	\$ 1,899,992	\$ 937,563	\$ 93,756	21,703	\$ 4.32	
Orland-Artois WD Relift PP	\$ 7,395,630	0.006564	\$ 4,952,023	\$ 2,443,607	\$ 244,361	17,965	\$ 13.60	
Panoche WD Relift PP	\$ 20,017	0.000018	\$ 13,403	\$ 6,614	\$ 661	17,327	\$ 0.04	
Proberta WD Relift PP	\$ 194,996	0.000173	\$ 130,567	\$ 64,429	\$ 6,443	562	\$ 11.46	
San Benito County WD								
Gianelli, WR PGP	\$ 912,257	0.000810	\$ 610,836	\$ 301,421	\$ 30,142			
Pacheco PP	\$ 534,373	0.000474	\$ 357,809	\$ 176,563	\$ 17,656			
Total San Benito County WD	\$ 1,446,630	0.001284	\$ 968,645	\$ 477,984	\$ 47,798	7,018	\$ 6.81	
San Luis WD Canalside Relift PP	\$ 11,427,893	0.010143	\$ 7,651,977	\$ 3,775,916	\$ 377,592	26,535	\$ 14.23	
Santa Clara Valley WD								
Coyote PP	\$ 159,619	0.000142	\$ 106,879	\$ 52,740	\$ 5,274			
Gianelli, WR PGP	\$ 881,314	0.000782	\$ 590,117	\$ 291,197	\$ 29,120			
Pacheco PP	\$ 554,579	0.000492	\$ 371,339	\$ 183,240	\$ 18,324			
Total Santa Clara Valley WD	\$ 1,595,512	0.001416	\$ 1,068,335	\$ 527,177	\$ 52,718	10,701	\$ 4.93	

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State Delta PP (CVC Contractors)	\$ 3,116,752	0.002766	\$ 2,086,939	\$ 1,029,813	\$ 102,981	19,378	\$ 5.31
Westlands WD							
Pleasant Valley Canalside Relifts	\$ 1,373,395	0.001219	\$ 919,609	\$ 453,787	\$ 45,379		
Pleasant Valley PP	\$ 12,766,855	0.011331	\$ 8,548,529	\$ 4,218,326	\$ 421,833		
Westlands WD Canalside Relifts	\$ 45,286,300	0.040195	\$ 30,323,150	\$ 14,963,150	\$ 1,496,315		
Total Westlands WD	\$ 59,426,551	0.052745	\$ 39,791,288	\$ 19,635,263	\$ 1,963,526	374,646	\$ 5.24
Westside WD Canalside Relifts	\$ 7,000,786	0.006214	\$ 4,687,640	\$ 2,313,146	\$ 231,315	31,833	\$ 7.27
Total Direct Pumping	\$ 113,193,362	0.100467	\$ 75,792,885	\$ 37,400,478	\$ 3,740,048		
San Luis Drain 6/							
Panoche WD	\$ 2,570,821	0.002282	\$ 1,721,390	\$ 849,431	\$ 84,943	17,327	
San Luis WD	\$ 3,598,317	0.003194	\$ 2,409,389	\$ 1,188,928	\$ 118,893	26,535	
Westlands WD	\$ 46,212,414	0.041017	\$ 30,943,265	\$ 15,269,150	\$ 1,526,915	373,944	
Total San Luis Drain	\$ 52,381,552	0.046492	\$ 35,074,044	\$ 17,307,508	\$ 1,730,751	417,806	\$ 4.14
Subtotal	\$ 1,063,962,955	0.944339	\$ 712,416,522	\$ 351,546,434	\$ 35,154,643		
Other Costs							
Programmatic EIS Capitalized	\$ 15,226,454	0.013515	\$ 10,195,446	\$ 5,031,007	\$ 503,101		
All Others	\$ 47,484,898	0.042146	\$ 31,795,304	\$ 15,689,594	\$ 1,568,959		
Total Other Costs	\$ 62,711,351	0.055661	\$ 41,990,750	\$ 20,720,601	\$ 2,072,060	1,616,424	\$ 1.28
Subtotal	\$ 1,126,674,307	1.000000	\$ 754,407,272	\$ 372,267,035	\$ 37,226,703		
DMC California Aqueduct Intertie 7/	\$ 26,957,897		\$ 5,605,427	\$ 21,352,469	\$ 496,569	526,374	\$ 0.94
Total	\$ 1,153,632,203						

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Footnotes:

1/ Refer to Irrigation Water Rates, Schedule A-2Ba. Total Allocation of Construction is being increased by the Assignment.

Repayment as of 9/30/19 (Column C of A-2Ba)	\$ 753,628,127
Construction Repayment per Assignment	<u>\$ 779,145</u>
Adjusted Irrigation Construction Repayment	<u>\$ 754,407,272</u>

2/ Cross Valley Canal contractors are charged for PUE construction component only. Therefore their deliveries are not included in determining the "Construction only" rate.

3/ Suballocation of Jones Pumping Plant Costs:

	Historical & Projected Deliveries (1981-2030) <Sch A-7>	Ratio of Total	Allocated Construction Costs Allocated	Project Use Energy		
				BOR	DOE	TOTAL
Delta-Mendota Exchange	29,260,614	0.363746	\$ 7,511,180	\$ 16,900,577	\$ 13,230,729	\$ 30,131,306
All Other Contractors	<u>51,181,712</u>	<u>0.636254</u>	<u>\$ 13,138,312</u>	<u>\$ 29,561,938</u>	<u>\$ 23,142,759</u>	<u>\$ 52,704,697</u>
Total	<u>80,442,327</u>	<u>1.000000</u>	<u>\$ 20,649,492</u> a/	<u>\$ 46,462,515</u> a/	<u>\$ 36,373,488</u> a/	<u>\$ 82,836,003</u>

a/ Jones Pumping Plant - Conveyance Pumping:

Total Construction	\$ 103,485,495	<Sch A-5>
less: BOR PUE	\$ 46,462,515	<Sch A-5>
less: DOE PUE	<u>\$ 36,373,488</u>	<Sch A-5>
Construction Allocation	<u>\$ 20,649,492</u>	

4/ Includes Friant-Kern Canal - Class 1 and Madera Canal - Class 1

5/ Total Conveyance Pumping for Jones Pumping Plant less Delta-Mendota Exchange

6/ San Luis Drain allocated to Panoche WD, San Luis WD, and Westlands WD on the basis of their projected San Luis Canal deliveries:

	Historical & Projected Deliveries (1981-2030) <Sch A-4>	Ratio of Total	Allocated Construction Costs at 9/30/2019
San Luis Canal Contractors:			
Panoche WD	1,905,938	0.049079	\$ 2,570,821
San Luis WD	2,667,696	0.068694	\$ 3,598,317
Westlands WD	<u>34,260,650</u>	<u>0.882227</u>	<u>\$ 46,212,414</u>
Total	<u>38,834,284</u>	<u>1.000000</u>	<u>\$ 52,381,552</u>

7/ Payment period is through 2063.