

Special Rates 2020 Sch S-1.Z22.XLSM
12/23/2019

CENTRAL VALLEY PROJECT
SCHEDULE OF IRRIGATION UNPAID CONSTRUCTION COSTS BY COMPONENT AND/OR FACILITY
AS OF SEPTEMBER 30, 2018
2020 SPECIAL WATER RATES

A Component/Facility Ref	B Net Construction Costs at 9/30/2018 <Sch A-4>	C Ratio of Total <B/(\$1,193,523,124>	D Cumulative Construction Repayment at 9/30/2018 1/ <C*\$677,120,445>	Unpaid Construction			
				E Net Unpaid Construction at 9/30/2018 <B-D>	F Annualized Costs 11 Remaining Years <E/11>	G FY 2020 Projected Deliveries <Sch S-5>	H Unpaid Construction Cost Per Acre Foot <F/G>
Storage							
San Felipe Unit Contractors	\$ 3,396,635	0.002846	\$ 1,927,010	\$ 1,469,625	\$ 133,602.28	22,012	\$ 6.07
All Other Contractors	\$ 388,226,345	0.325278	\$ 220,252,117	\$ 167,974,227	\$ 15,270,384	1,398,232	\$ 10.92
Total Storage	\$ 391,622,980	0.328123	\$ 222,179,128	\$ 169,443,852	\$ 15,403,987		
Conveyance							
Contra Costa WD	\$ -	-	\$ -	\$ -	\$ -	-	\$ -
All Other Contractors	\$ 407,980,367	0.341829	\$ 231,459,150	\$ 176,521,217	\$ 16,047,383	1,217,234	\$ 13.18
Total Conveyance	\$ 407,980,367	0.341829	\$ 231,459,150	\$ 176,521,217	\$ 16,047,383		
Conveyance Pumping							
Corning Pumping Plant							
Construction only	\$ 2,513,939	0.002106	\$ 1,426,231	\$ 1,087,708	\$ 98,883	9,659	\$ 10.24
PUE only	\$ 372,035	0.000312	\$ 211,066	\$ 160,969	\$ 14,634	9,659	\$ 1.51
							\$ 11.75
Dos Amigos Pumping Plant							
Construction only	\$ 13,741,089	0.011513	\$ 7,795,720	\$ 5,945,369	\$ 540,488	404,779	\$ 1.34
PUE only	\$ 28,587,605	0.023952	\$ 16,218,581	\$ 12,369,024	\$ 1,124,457	421,610	\$ 2.67
							\$ 4.01
O'Neill Pump-Generator Plant							
Construction only	\$ 11,203,182	0.009387	\$ 6,355,892	\$ 4,847,290	\$ 440,663	428,416	\$ 1.03
PUE only	\$ 12,413,705	0.010401	\$ 7,042,656	\$ 5,371,048	\$ 488,277	428,416	\$ 1.14
							\$ 2.17
Jones Pumping Plant							
Delta Mendota Exchange							
Construction only	\$ 8,242,405 3/	0.006906	\$ 4,676,156	\$ 3,566,248	\$ 324,204	446,688	\$ 0.73
PUE only	\$ 35,505,135 3/	0.029748	\$ 20,143,097	\$ 15,362,037	\$ 1,396,549	446,688	\$ 3.13
							\$ 3.86

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				Net Unpaid Construction at 9/30/2018 <B-D>	Annualized Costs 11 Remaining Years <E/11>	FY 2020 Projected Deliveries <Sch S-5>		
All Other Contractors								
Construction only	\$ 14,086,237 3/	0.011802	\$ 7,991,533	\$ 6,094,704	\$ 554,064	511,067 5/	\$ 1.08	
PUE only	\$ 61,171,888 3/	0.051253	\$ 34,704,595	\$ 26,467,294	\$ 2,406,118	511,067 5/	\$ 4.71	
							\$ 5.79	
Total Conveyance Pumping	\$ 187,837,218	0.157380	\$ 106,565,527	\$ 81,271,691	\$ 7,388,336			
Direct Pumping								
Bella Vista WD (Wintu PP)	\$ 1,611,993	0.001351	\$ 914,531	\$ 697,462	\$ 63,406	3,977	\$ 15.94	
Colusa County WD Relift PP	\$ 12,538,066	0.010505	\$ 7,113,210	\$ 5,424,856	\$ 493,169	30,785	\$ 16.02	
Colusa Service Area - Cortina	\$ 139,480	0.000117	\$ 79,131	\$ 60,349	\$ 5,486	651	\$ 8.43	
Colusa Service Area - Davis	\$ 173,920	0.000146	\$ 98,670	\$ 75,250	\$ 6,841	2,887	\$ 2.37	
Corning WD Relift PP	\$ 3,351,989	0.002808	\$ 1,901,681	\$ 1,450,308	\$ 131,846	7,525	\$ 17.52	
Dunnigan WD Relift PP	\$ 1,664,360	0.001394	\$ 944,240	\$ 720,120	\$ 65,465	8,155	\$ 8.03	
Kanawha WD Relift PP	\$ 2,868,361	0.002403	\$ 1,627,305	\$ 1,241,056	\$ 112,823	24,144	\$ 4.67	
Orland-Artois WD Relift PP	\$ 7,502,652	0.006286	\$ 4,256,473	\$ 3,246,179	\$ 295,107	22,713	\$ 12.99	
Panoche WD Relift PP	\$ 24,003	0.000020	\$ 13,618	\$ 10,386	\$ 944	17,083	\$ 0.06	
Proberta WD Relift PP	\$ 200,407	0.000168	\$ 113,697	\$ 86,710	\$ 7,883	971	\$ 8.12	
San Benito County WD								
Gianelli, WR PGP	\$ 1,113,284	0.000933	\$ 631,599	\$ 481,686	\$ 43,790			
Pacheco PP	\$ 663,479	0.000556	\$ 376,411	\$ 287,068	\$ 26,097			
Total San Benito County WD	\$ 1,776,763	0.001489	\$ 1,008,010	\$ 768,754	\$ 69,887	9,877	\$ 7.08	
San Luis WD Canalside Relift PP	\$ 12,172,656	0.010199	\$ 6,905,902	\$ 5,266,753	\$ 478,796	29,935	\$ 15.99	
Santa Clara Valley WD								
Coyote PP	\$ 191,246	0.000160	\$ 108,499	\$ 82,746	\$ 7,522			
Gianelli, WR PGP	\$ 1,051,472	0.000881	\$ 596,531	\$ 454,941	\$ 41,358			
Pacheco PP	\$ 664,460	0.000557	\$ 376,968	\$ 287,493	\$ 26,136			
Total Santa Clara Valley WD	\$ 1,907,178	0.001598	\$ 1,081,998	\$ 825,181	\$ 75,016	12,135	\$ 6.18	

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State Delta PP (CVC Contractors)	\$ 3,625,329	0.003038	\$ 2,056,755	\$ 1,568,574	\$ 142,598	16,831	\$ 8.47
Westlands WD							
Pleasant Valley Canalside Relifts	\$ 1,385,657	0.001161	\$ 786,124	\$ 599,533	\$ 54,503		
Pleasant Valley PP	\$ 13,267,902	0.011117	\$ 7,527,268	\$ 5,740,635	\$ 521,876		
Westlands WD Canalside Relifts	\$ 47,326,866	0.039653	\$ 26,849,910	\$ 20,476,956	\$ 1,861,541		
Total Westlands WD	\$ 61,980,426	0.051931	\$ 35,163,302	\$ 26,817,124	\$ 2,437,920	356,435	\$ 6.84
Westside WD Canalside Relifts	\$ 7,036,367	0.005895	\$ 3,991,936	\$ 3,044,431	\$ 276,766	33,317	\$ 8.31
Total Direct Pumping	\$ 118,573,952	0.099348	\$ 67,270,458	\$ 51,303,494	\$ 4,663,954		
San Luis Drain	6/						
Panoche WD	\$ 2,571,063	0.002154	\$ 1,458,639	\$ 1,112,424	\$ 101,129	17,083	
San Luis WD	\$ 3,698,737	0.003099	\$ 2,098,401	\$ 1,600,336	\$ 145,485	29,935	
Westlands WD	\$ 46,111,752	0.038635	\$ 26,160,541	\$ 19,951,212	\$ 1,813,747	355,654	
Total San Luis Drain	\$ 52,381,552	0.043888	\$ 29,717,581	\$ 22,663,971	\$ 2,060,361	402,672	\$ 5.12
Subtotal	\$ 1,158,396,069	0.970569	\$ 657,191,843	\$ 501,204,226	\$ 45,564,021		
Other Costs							
Programmatic EIS Capitalized	\$ 14,581,089	0.012217	\$ 8,272,276	\$ 6,308,812	\$ 573,528		
All Others	\$ 20,545,966	0.017215	\$ 11,656,325	\$ 8,889,641	\$ 808,149		
Total Other Costs	\$ 35,127,055	0.029431	\$ 19,928,602	\$ 15,198,453	\$ 1,381,678	1,529,480	\$ 0.90
Subtotal	\$ 1,193,523,124	1.000000	\$ 677,120,445	\$ 516,402,679	\$ 46,945,698		
DMC California Aqueduct Intertie	7/ \$ 29,858,453		\$ 4,641,504	\$ 25,216,949	\$ 573,112	511,067	\$ 1.12
Total	\$ 1,223,381,576						

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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 9/30/18 (Column C of A-2Ba)	\$ 676,341,300
Construction Repayment per Assignment	<u>\$ 779,145</u>
Adjusted Irrigation Construction Repayment	<u>\$ 677,120,445</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	29,319,656	0.367255	\$ 8,242,405	\$ 21,155,986	\$ 14,349,148	\$ 35,505,135
All Other Contractors	<u>50,514,911</u>	<u>0.632745</u>	<u>\$ 14,200,860</u>	<u>\$ 36,449,704</u>	<u>\$ 24,722,185</u>	<u>\$ 61,171,888</u>
Total	<u>79,834,567</u>	<u>1.000000</u>	<u>\$ 22,443,265</u> a/	<u>\$ 57,605,690</u> a/	<u>\$ 39,071,333</u> a/	<u>\$ 96,677,023</u>

a/ Jones Pumping Plant - Conveyance Pumping:

Total Construction	\$ 119,120,288	<Sch A-5>
less: BOR PUE	\$ 57,605,690	<Sch A-5>
less: DOE PUE	<u>\$ 39,071,333</u>	<Sch A-5>
Construction Allocation	<u>\$ 22,443,265</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 9/30/2018
Panoche WD	1,878,847	0.049083	\$ 2,571,063
San Luis WD	2,702,913	0.070611	\$ 3,698,737
Westlands WD	33,696,923	0.880305	\$ 46,111,752
Total	<u>38,278,683</u>	<u>1.000000</u>	<u>\$ 52,381,552</u>

7/ Payment period is through 2063.