



CENTRAL VALLEY PROJECT
SCHEDULE OF M&I FULL COST ADDITIONAL SERVICE WATER RATES
AS OF SEPTEMBER 30, 2019
2021 SPECIAL WATER RATES

A Component / Facility	B Total M&I Construction at 9/30/2019	C Ratio of Total	D Allocation of Construction Repayment at 9/30/2019 ^{1/}	E Unpaid M&I Construction			H FY 2021 Projected Deliveries	I Unpaid M&I Construction Cost Per Acre Foot		
				F Net Unpaid Construction at 9/30/2019	G Annualized Costs Remaining Years	G Annual Interest @		I Construction Only	J Interest	K Total
Ref	<Sch A-4>	(B/(\$146,941,917))	(C*\$124,057,250)	(B-D)	(E/10)	(E*0.08012)	<Sch S-6>	(F/H)	(G/H)	(I+J)
Storage										
San Felipe Unit	\$ 9,431,182	0.064183	\$ 7,962,374	\$ 1,468,808	\$ 146,881	\$ 117,681	90,442	\$ 1.62	\$ 1.30	\$ 2.92
All Other Contractors	\$ 40,293,993	0.274217	\$ 34,018,625	\$ 6,275,368	\$ 627,537	\$ 502,782	254,465	\$ 2.47	\$ 1.98	\$ 4.45
Total Storage	\$ 49,725,175	0.338400	\$ 41,980,999	\$ 7,744,176	\$ 774,418	\$ 620,463				
Conveyance										
Contra Costa Canal System ^{2/}	\$ -			\$ -	\$ -	\$ -		\$ -	\$ -	\$ -
All Other Contractors	\$ 25,818,842	0.175708	\$ 21,797,828	\$ 4,021,015	\$ 402,101	\$ 322,164	175,011	\$ 2.30	\$ 1.84	\$ 4.14
Total Conveyance	\$ 25,818,842	0.175708	\$ 21,797,828	\$ 4,021,015	\$ 402,101	\$ 322,164				
Conveyance Pumping										
Dos Amigos Pumping Plant										
Construction only ^{3/}	\$ 276,801	0.001884	\$ 233,692	\$ 43,109	\$ 4,311	\$ 3,454	10,932	\$ 0.39	\$ 0.32	\$ 0.71
PUE only	\$ 520,627	0.003543	\$ 439,545	\$ 81,082	\$ 8,108	\$ 6,496	11,210	\$ 0.72	\$ 0.58	\$ 1.30
								\$ 1.11	\$ 0.90	\$ 2.01
O'Neill P-Generator/Pumping Plant										
Construction only	\$ 2,335,101	0.015891	\$ 1,971,433	\$ 363,668	\$ 36,367	\$ 29,137	101,790	\$ 0.36	\$ 0.29	\$ 0.65
PUE only	\$ 1,672,194	0.011380	\$ 1,411,768	\$ 260,427	\$ 26,043	\$ 20,865	101,790	\$ 0.26	\$ 0.20	\$ 0.46
								\$ 0.62	\$ 0.49	\$ 1.11
Jones Pumping Plant										
Friant Kern/Madera										
Construction only ^{4/ 5/}	\$ 812,298	0.005528	\$ 685,791	\$ 126,507	\$ 12,651	\$ 10,136	39,677	\$ 0.32	\$ 0.26	\$ 0.58
PUE only ^{4/ 5/}	\$ 3,519,328	0.023950	\$ 2,971,230	\$ 548,099	\$ 54,810	\$ 43,914	39,677	\$ 1.38	\$ 1.11	\$ 2.49
								\$ 1.70	\$ 1.37	\$ 3.07

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Component / Facility	Total M&I Construction at 9/30/2019	Ratio of Total	Allocation of Construction Repayment at 9/30/2019 ¹¹	Unpaid M&I Construction			FY 2021 Projected Deliveries	Unpaid M&I Construction Cost Per Acre Foot		
				Net Unpaid Construction at 9/30/2019	Annualized Costs Remaining Years	Annual Interest @		Construction Only	Interest	Total
Ref	<Sch A-4>	(B/\$146,941,917)	(C*\$124,057,250)	(B-D)	(E/10)	(E*0.08012)	<Sch S-6>	(F/H)	(G/H)	(I+J)
All Other Contractors										
Construction only ^{4/ 6/}	\$ 1,625,596	0.011063	\$ 1,372,426	\$ 253,170	\$ 25,317	\$ 20,284	110,655	\$ 0.23	\$ 0.18	\$ 0.41
PUE only ^{4/ 6/}	\$ 7,083,401	0.048205	\$ 5,980,235	\$ 1,103,166	\$ 110,317	\$ 88,386	110,655	\$ 1.00	\$ 0.80	\$ 1.80
								<u>\$ 1.23</u>	<u>\$ 0.98</u>	<u>\$ 2.21</u>
Total Conveyance Pumping	\$ 17,845,347	0.121445	\$ 15,066,121	\$ 2,779,226	\$ 277,923	\$ 222,672				
Direct Pumping										
Bella Vista WD (Wintu PP)	\$ 824,749	0.005613	\$ 696,303	\$ 128,446	\$ 12,845	\$ 10,291	3,985	\$ 3.22	\$ 2.58	\$ 5.80
Colusa County WD Relift PP	\$ 32,626	0.000222	\$ 27,545	\$ 5,081	\$ 508	\$ 407	127	\$ 3.99	\$ 3.19	\$ 7.18
Contra Costa PP (Contra Costa WD)	\$ 4,941,073	0.033626	\$ 4,171,553	\$ 769,521	\$ 76,952	\$ 61,654	86,856	\$ 0.89	\$ 0.71	\$ 1.60
Kanawha WD	\$ 837	0.000006	\$ 707	\$ 130	\$ 13	\$ 10	17	\$ 0.75	\$ 0.60	\$ 1.35
Pleasant Valley PP (City of Coalinga)	\$ 45,676	0.000311	\$ 38,562	\$ 7,114	\$ 711	\$ 570	5,123	\$ 0.14	\$ 0.11	\$ 0.25
Pleasant Valley WD Canalside Relift PP (City of Coalinga)	\$ 206,942	0.001408	\$ 174,713	\$ 32,229	\$ 3,223	\$ 2,582	5,123	\$ 0.63	\$ 0.50	\$ 1.13
San Benito County WD										
Pacheco PP	\$ 227,023	0.001545	\$ 191,666	\$ 35,356	\$ 3,536	\$ 2,833				
Gianelli, WR PGP	\$ 369,985	0.002518	\$ 312,364	\$ 57,621	\$ 5,762	\$ 4,617				
Total San Benito County WD	\$ 597,008	0.004063	\$ 504,030	\$ 92,978	\$ 9,298	\$ 7,449	5,438	\$ 1.71	\$ 1.37	\$ 3.08
San Luis WD Canalside Relift PP	\$ 72,268	0.000492	\$ 61,013	\$ 11,255	\$ 1,126	\$ 902	438	\$ 2.57	\$ 2.06	\$ 4.63
Santa Clara Valley WD										
Coyote PP	\$ 1,350,850	0.009193	\$ 1,140,469	\$ 210,381	\$ 21,038	\$ 16,856				
Pacheco PP	\$ 4,693,365	0.031940	\$ 3,962,422	\$ 730,943	\$ 73,094	\$ 58,563				
Gianelli, WR PGP	\$ 7,859,118	0.053485	\$ 6,635,143	\$ 1,223,976	\$ 122,398	\$ 98,065				
Total Santa Clara WD	\$ 13,903,333	0.094618	\$ 11,738,034	\$ 2,165,299	\$ 216,530	\$ 173,484	85,005	\$ 2.55	\$ 2.04	\$ 4.59

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Ref	<Sch A-4>	(B/\$146,941,917)	(C*\$124,057,250)	11 at 9/30/2019 (B-D)	(E/10)	(E*0.08012)	<Sch S-6>	(F/H)	(G/H)	(I+J)
Shasta Pumping Plant (City of Shasta Lake)	\$ 581,793	0.003959	\$ 491,185	\$ 90,608	\$ 9,061	\$ 7,260	1,181	\$ 7.67	\$ 6.15	\$ 13.82
State Delta PP (Cross Valley Canal)	\$ 17,249	0.000117	\$ 14,563	\$ 2,686	\$ 269	\$ 215	278	\$ 0.97	\$ 0.77	\$ 1.74
Westlands WD Relifts	\$ 784,409	0.005338	\$ 662,245	\$ 122,163	\$ 12,216	\$ 9,788	2,643	\$ 4.62	\$ 3.70	\$ 8.32
Total Direct Pumping	\$ 22,007,963	0.149773	\$ 18,580,453	\$ 3,427,510	\$ 342,751	\$ 274,612				
Subtotal	\$ 115,397,327	0.785326	\$ 97,425,400	\$ 17,971,927	\$ 1,797,193	\$ 1,439,911				
Other Costs										
Deferred Interest Capitalized	\$ 21,277,763	0.144804	\$ 17,963,974	\$ 3,313,789	\$ 331,379	\$ 265,501				
Programmatic EIS Capitalized	\$ 4,045,954	0.027534	\$ 3,415,839	\$ 630,115	\$ 63,011	\$ 50,485				
All others	\$ 6,220,873	0.042336	\$ 5,252,037	\$ 968,836	\$ 96,884	\$ 77,623				
Total Other Costs	\$ 31,544,590	0.214674	\$ 26,631,850	\$ 4,912,740	\$ 491,274	\$ 393,609	344,907	\$ 1.42	\$ 1.14	\$ 2.56
Total	\$ 146,941,917	1.000000	\$ 124,057,250	\$ 22,884,667	\$ 2,288,467	\$ 1,833,520				

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FOOTNOTES:

1/ Refer to M&I Water Rates, Schedule A-2Ba. Total Allocation of Construction Repayment is being reduced by the Assignment

Repayment as of 9/30/19 (Column C of A-2Ba)	\$ 124,836,395
Construction Repayment per Assignment	<u>\$ (779,145)</u>
Adjusted M&I Construction Repayment	<u>\$ 124,057,250</u>

2/ Contra Costa WD's conveyance costs are recovered through a repayment contract.

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

4/ Suballocation of Jones Pumping Plant costs:

	Historical & Projected Deliveries (1981-2030) (Sch A-7)	Ratio	M&I Construction Costs at 9/30/2018	Project Use Energy BOR	Project Use Energy DOE	Project Use Energy Total
Jones Pumping Plant:						
Delta-Mendota Exchange	2,493,027	0.331927	\$ 812,298	\$ 1,887,672	\$ 1,631,657	\$ 3,519,328
All Other Contractors	<u>5,017,750</u>	<u>0.668073</u>	<u>\$ 1,634,923</u>	<u>\$ 3,799,343</u>	<u>\$ 3,284,058</u>	<u>\$ 7,083,401</u>
Total	<u>7,510,777</u>	<u>1.000000</u>	<u>\$ 2,447,221</u> a/	<u>\$ 5,687,015</u> a/	<u>\$ 4,915,715</u> a/	<u>\$ 10,602,729</u> a/

a/ Jones Pumping Plant - Conveyance Pumping:

Total Construction Cos	\$ 13,049,950	(M&I Sch A-5)
less: BOR PUE	\$ 5,687,015	(M&I Sch A-5)
less: DOE PUE	<u>\$ 4,915,715</u>	(M&I Sch A-5)
Capital Allocation	<u>\$ 2,447,221</u>	

5/ FY 2020 projected deliveries include Friant Dam and Friant-Kern Canal

6/ FY 2020 projected deliveries for Jones PP do not include Delta Mendota Exchange contractors' deliveries.