

2020 Full Cost Additional Service Water Rates Sch TR-2b.Z22.xlsm  
12/30/2019

CENTRAL VALLEY PROJECT  
SCHEDULE OF M&I FULL COST ADDITIONAL SERVICE WATER RATES  
AS OF SEPTEMBER 30, 2018  
2020 SPECIAL WATER RATES

A	B	C	D	E	F	G	H	I	J	K
Component / Facility	Total M&I Construction at 9/30/2018	Ratio of Total	Allocation of Construction Repayment at 9/30/2018 <sup>1/</sup>	Unpaid M&I Construction			FY 2020 Projected Deliveries	Unpaid M&I Construction Cost Per Acre Foot		
				Net Unpaid Construction at 9/30/2018	Annualized Costs Remaining Years	Annual Interest @		Construction Only	Interest	Total
Ref	<Sch A-4>	(B/\$120,781,684)	(C*\$118,850,451)	at 9/30/2018 (B-D)	(E/11)	(E*0.076110)	<Sch S-6>	(F/H)	(G/H)	(I+J)
<b>Storage</b>										
San Felipe Unit	\$ 6,246,846	0.051720	\$ 6,146,962	\$ 99,884	\$ 9,080	\$ 7,602	89,209	\$ 0.10	\$ 0.09	\$ 0.19
All Other Contractors	\$ 28,659,925	0.237287	\$ 28,201,668	\$ 458,257	\$ 41,660	\$ 34,878	270,338	\$ 0.15	\$ 0.13	\$ 0.28
Total Storage	\$ 34,906,770	0.289007	\$ 34,348,630	\$ 558,140	\$ 50,740	\$ 42,480				
<b>Conveyance</b>										
Contra Costa Canal System <sup>2/</sup>	\$ -			\$ -	\$ -	\$ -		\$ -	\$ -	\$ -
All Other Contractors	\$ 20,203,981	0.167277	\$ 19,880,930	\$ 323,051	\$ 29,368	\$ 24,587	176,468	\$ 0.17	\$ 0.14	\$ 0.31
Total Conveyance	\$ 20,203,981	0.167277	\$ 19,880,930	\$ 323,051	\$ 29,368	\$ 24,587				
<b>Conveyance Pumping</b>										
Dos Amigos Pumping Plant										
Construction only <sup>3/</sup>	\$ 209,539	0.001735	\$ 206,189	\$ 3,350	\$ 305	\$ 255	11,011	\$ 0.03	\$ 0.02	\$ 0.05
PUE only	\$ 496,506	0.004111	\$ 488,567	\$ 7,939	\$ 722	\$ 604	11,289	\$ 0.06	\$ 0.05	\$ 0.11
								\$ 0.09	\$ 0.07	\$ 0.16
O'Neill P-Generator/Pumping Plant										
Construction only	\$ 1,186,289	0.009822	\$ 1,167,320	\$ 18,968	\$ 1,724	\$ 1,444	100,632	\$ 0.02	\$ 0.01	\$ 0.03
PUE only	\$ 1,583,028	0.013107	\$ 1,557,717	\$ 25,312	\$ 2,301	\$ 1,926	100,632	\$ 0.02	\$ 0.02	\$ 0.04
								\$ 0.04	\$ 0.03	\$ 0.07
Jones Pumping Plant										
Friant Kern/Madera										
Construction only <sup>4/ 5/</sup>	\$ 579,337	0.004797	\$ 570,074	\$ 9,263	\$ 842	\$ 705	38,663	\$ 0.02	\$ 0.02	\$ 0.04
PUE only <sup>4/ 5/</sup>	\$ 3,360,638	0.027824	\$ 3,306,903	\$ 53,735	\$ 4,885	\$ 4,090	38,663	\$ 0.13	\$ 0.11	\$ 0.24
								\$ 0.15	\$ 0.13	\$ 0.28

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<b>All Other Contractors</b>										
Construction only <sup>4/ 6/</sup>	\$ 1,147,711	0.009502	\$ 1,129,360	\$ 18,351	\$ 1,668	\$ 1,397	109,509	\$ 0.02	\$ 0.01	\$ 0.03
PUE only <sup>4/ 6/</sup>	\$ 6,705,238	0.055515	\$ 6,598,025	\$ 107,213	\$ 9,747	\$ 8,160	109,509	\$ 0.09	\$ 0.07	\$ 0.16
								\$ 0.11	\$ 0.08	\$ 0.19
Total Conveyance Pumping	\$ 15,268,287	0.126412	\$ 15,024,155	\$ 244,132	\$ 22,194	\$ 18,581				
<b>Direct Pumping</b>										
Bella Vista WD (Wintu PP)	\$ 667,670	0.005528	\$ 656,994	\$ 10,676	\$ 971	\$ 813	4,190	\$ 0.23	\$ 0.19	\$ 0.42
Colusa County WD Relift PP	\$ 40,353	0.000334	\$ 39,707	\$ 645	\$ 59	\$ 49	136	\$ 0.43	\$ 0.36	\$ 0.79
Contra Costa PP (Contra Costa WD)	\$ 4,828,800	0.039980	\$ 4,751,590	\$ 77,210	\$ 7,019	\$ 5,876	96,890	\$ 0.07	\$ 0.06	\$ 0.13
Kanawha WD	\$ 450	0.000004	\$ 443	\$ 7	\$ 1	\$ 1	13	\$ 0.05	\$ 0.04	\$ 0.09
Pleasant Valley PP (City of Coalinga)	\$ 40,338	0.000334	\$ 39,693	\$ 645	\$ 59	\$ 49	5,108	\$ 0.01	\$ 0.01	\$ 0.02
Pleasant Valley WD Canalside Relift PP (City of Coalinga)	\$ 159,125	0.001317	\$ 156,581	\$ 2,544	\$ 231	\$ 194	5,108	\$ 0.05	\$ 0.04	\$ 0.09
<b>San Benito County WD</b>										
Pacheco PP	\$ 187,840	0.001555	\$ 184,836	\$ 3,003	\$ 273	\$ 229				
Gianelli, WR PGP	\$ 299,067	0.002476	\$ 294,285	\$ 4,782	\$ 435	\$ 364				
Total San Benito County WD	\$ 486,907	0.004031	\$ 479,122	\$ 7,785	\$ 708	\$ 593	4,001	\$ 0.18	\$ 0.15	\$ 0.33
San Luis WD Canalside Relift PP	\$ 188,847	0.001564	\$ 185,828	\$ 3,020	\$ 275	\$ 230	435	\$ 0.63	\$ 0.53	\$ 1.16
<b>Santa Clara Valley WD</b>										
Coyote PP	\$ 1,285,164	0.010640	\$ 1,264,615	\$ 20,549	\$ 1,868	\$ 1,564				
Pacheco PP	\$ 4,465,147	0.036969	\$ 4,393,752	\$ 71,395	\$ 6,490	\$ 5,434				
Gianelli, WR PGP	\$ 7,340,241	0.060773	\$ 7,222,874	\$ 117,366	\$ 10,670	\$ 8,933				
Total Santa Clara WD	\$ 13,090,551	0.108382	\$ 12,881,241	\$ 209,311	\$ 19,028	\$ 15,931	85,208	\$ 0.22	\$ 0.19	\$ 0.41

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Shasta Pumping Plant (City of Shasta Lake)	\$ 564,873	0.004677	\$ 555,840	\$ 9,032	\$ 821	\$ 687	1,109	\$ 0.74	\$ 0.62	\$ 1.36
State Delta PP (Cross Valley Canal)	\$ 16,903	0.000140	\$ 16,633	\$ 270	\$ 25	\$ 21	278	\$ 0.09	\$ 0.07	\$ 0.16
Westlands WD Relifts	\$ 605,719	0.005015	\$ 596,034	\$ 9,685	\$ 880	\$ 737	2,687	\$ 0.33	\$ 0.27	\$ 0.60
Total Direct Pumping	\$ 20,690,536	0.171305	\$ 20,359,706	\$ 330,830	\$ 30,075	\$ 25,180				
Subtotal	\$ 91,069,574	0.754002	\$ 89,613,421	\$ 1,456,153	\$ 132,378	\$ 110,828				
<b>Other Costs</b>										
Deferred Interest Capitalized	\$ 21,277,763	0.176167	\$ 20,937,543	\$ 340,220	\$ 30,929	\$ 25,894				
Programmatic EIS Capitalized	\$ 3,579,070	0.029633	\$ 3,521,843	\$ 57,227	\$ 5,202	\$ 4,356				
All others	\$ 4,855,277	0.040199	\$ 4,777,644	\$ 77,633	\$ 7,058	\$ 5,909				
Total Other Costs	\$ 29,712,110	0.245998	\$ 29,237,030	\$ 475,081	\$ 43,189	\$ 36,158	359,547	\$ 0.12	\$ 0.10	\$ 0.22
Total	\$ 120,781,684	1.000000	\$ 118,850,451	\$ 1,931,234	\$ 175,567	\$ 146,986				

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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 9/30/18 (Column C of A-2Ba)	\$ 119,629,596
Construction Repayment per Assignment	<u>\$ (779,145)</u>
Adjusted M&I Construction Repayment	<u>\$ 118,850,451</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	2,498,444	0.333864	\$ 579,337	\$ 1,909,877	\$ 1,450,761	\$ 3,360,638
All Other Contractors	<u>4,984,966</u>	<u>0.666136</u>	<u>\$ 1,155,910</u>	<u>\$ 3,810,639</u>	<u>\$ 2,894,599</u>	<u>\$ 6,705,238</u>
Total	<u>7,483,410</u>	<u>1.000000</u>	<u>\$ 1,735,248</u>	<u>a/ \$ 5,720,516</u>	<u>a/ \$ 4,345,360</u>	<u>a/ \$ 10,065,876</u>

a/ Jones Pumping Plant - Conveyance Pumping:

Total Construction Cos	\$ 11,801,124	<b>(M&amp;I Sch A-5)</b>
less: BOR PUE	\$ 5,720,516	<b>(M&amp;I Sch A-5)</b>
less: DOE PUE	\$ 4,345,360	<b>(M&amp;I Sch A-5)</b>
Capital Allocation	<u>\$ 1,735,248</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.