

2019 Full Cost Additional Service Water Rates Sch TR-2b.Z21.xlsm
1/7/2019

CENTRAL VALLEY PROJECT
SCHEDULE OF M&I FULL COST ADDITIONAL SERVICE WATER RATES
AS OF SEPTEMBER 30, 2017
2019 SPECIAL WATER RATES

A	B	C	D	E	F	G	H	I	J	K
Component / Facility	Total M&I Construction at 9/30/2017	Ratio of Total	Allocation of Construction Repayment at 9/30/2017 ^{1/}	Unpaid M&I Construction			FY 2019 Projected Deliveries	Unpaid M&I Construction Cost Per Acre Foot		
				Net Unpaid Construction at 9/30/2017	Annualized Costs Remaining Years	Annual Interest @		Construction Only	Interest	Total
Ref	<Sch A-4>	(B/\$116,786,040)	(C*\$115,863,659)	at 9/30/2017 (B-D)	(E/12)	(E*0.076950)	<Sch S-6>	(F/H)	(G/H)	(I+J)
Storage										
San Felipe Unit	\$ 6,372,282	0.054564	\$ 6,321,954	\$ 50,329	\$ 4,194	\$ 3,873	89,045	\$ 0.05	\$ 0.04	\$ 0.09
All Other Contractors	\$ 28,694,864	0.245705	\$ 28,468,230	\$ 226,633	\$ 18,886	\$ 17,439	267,738	\$ 0.07	\$ 0.07	\$ 0.14
Total Storage	\$ 35,067,146	0.300268	\$ 34,790,184	\$ 276,962	\$ 23,080	\$ 21,312				
Conveyance										
Contra Costa Canal System ^{2/}	\$ -			\$ -	\$ -	\$ -		\$ -	\$ -	\$ -
All Other Contractors	\$ 18,279,772	0.156524	\$ 18,135,398	\$ 144,374	\$ 12,031	\$ 11,110	176,842	\$ 0.07	\$ 0.06	\$ 0.13
Total Conveyance	\$ 18,279,772	0.156524	\$ 18,135,398	\$ 144,374	\$ 12,031	\$ 11,110				
Conveyance Pumping										
Dos Amigos Pumping Plant										
Construction only ^{3/}	\$ 213,347	0.001827	\$ 211,662	\$ 1,685	\$ 140	\$ 130	10,796	\$ 0.01	\$ 0.01	\$ 0.02
PUE only	\$ 458,895	0.003929	\$ 455,271	\$ 3,624	\$ 302	\$ 279	11,074	\$ 0.03	\$ 0.03	\$ 0.06
								\$ 0.04	\$ 0.04	\$ 0.08
O'Neill P-Generator/Pumping Plant										
Construction only	\$ 1,226,244	0.010500	\$ 1,216,559	\$ 9,685	\$ 807	\$ 745	101,586	\$ 0.01	\$ 0.01	\$ 0.02
PUE only	\$ 1,469,759	0.012585	\$ 1,458,151	\$ 11,608	\$ 967	\$ 893	101,586	\$ 0.01	\$ 0.01	\$ 0.02
								\$ 0.02	\$ 0.02	\$ 0.04
Jones Pumping Plant										
Friant Kern/Madera										
Construction only ^{4/ 5/}	\$ 580,192	0.004968	\$ 575,609	\$ 4,582	\$ 382	\$ 353	35,185	\$ 0.01	\$ 0.01	\$ 0.02
PUE only ^{4/ 5/}	\$ 3,137,712	0.026867	\$ 3,112,930	\$ 24,782	\$ 2,065	\$ 1,907	35,185	\$ 0.06	\$ 0.05	\$ 0.11
								\$ 0.07	\$ 0.06	\$ 0.13

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				Net Unpaid Construction at 9/30/2017	Annualized Costs Remaining Years	Annual Interest @		Construction Only	Interest	Total
Ref	<Sch A-4>	(B/\$116,786,040)	(C*\$115,863,659)	at 9/30/2017 (B-D)	(E/12)	(E*0.076950)	<Sch S-6>	(F/H)	(G/H)	(I+J)
All Other Contractors										
Construction only ^{4/ 6/}	\$ 1,136,658	0.009733	\$ 1,127,681	\$ 8,977	\$ 748	\$ 691	108,921	\$ 0.01	\$ 0.01	\$ 0.02
PUE only ^{4/ 6/}	\$ 6,191,459	0.053015	\$ 6,142,559	\$ 48,900	\$ 4,075	\$ 3,763	108,921	\$ 0.04	\$ 0.03	\$ 0.07
								<u>\$ 0.05</u>	<u>\$ 0.04</u>	<u>\$ 0.09</u>
Total Conveyance Pumping	\$ 14,414,267	0.123425	\$ 14,300,422	\$ 113,844	\$ 9,487	\$ 8,760				
Direct Pumping										
Bella Vista WD (Wintu PP)	\$ 637,849	0.005462	\$ 632,811	\$ 5,038	\$ 420	\$ 388	4,216	\$ 0.10	\$ 0.09	\$ 0.19
Colusa County WD Relift PP	\$ 3,685	0.000032	\$ 3,656	\$ 29	\$ 2	\$ 2	133	\$ 0.02	\$ 0.02	\$ 0.04
Contra Costa PP (Contra Costa WD)	\$ 4,465,211	0.038234	\$ 4,429,945	\$ 35,266	\$ 2,939	\$ 2,714	92,994	\$ 0.03	\$ 0.03	\$ 0.06
Kanawha WD	\$ 28	0.000000	\$ 27	\$ 0	\$ 0	\$ 0	10	\$ -	\$ -	\$ -
Pleasant Valley PP (City of Coalinga)	\$ 39,634	0.000339	\$ 39,321	\$ 313	\$ 26	\$ 24	4,823	\$ 0.01	\$ -	\$ 0.01
Pleasant Valley WD Canalside Relift PP (City of Coalinga)	\$ 161,724	0.001385	\$ 160,447	\$ 1,277	\$ 106	\$ 98	4,823	\$ 0.02	\$ 0.02	\$ 0.04
San Benito County WD										
Pacheco PP	\$ 192,986	0.001652	\$ 191,462	\$ 1,524	\$ 127	\$ 117				
Gianelli, WR PGP	\$ 321,023	0.002749	\$ 318,487	\$ 2,535	\$ 211	\$ 195				
Total San Benito County WD	\$ 514,009	0.004401	\$ 509,950	\$ 4,060	\$ 338	\$ 312	5,128	\$ 0.07	\$ 0.06	\$ 0.13
San Luis WD Canalside Relift PP	\$ 97,163	0.000832	\$ 96,395	\$ 767	\$ 64	\$ 59	1,854	\$ 0.03	\$ 0.03	\$ 0.06
Santa Clara Valley WD										
Coyote PP	\$ 1,183,419	0.010133	\$ 1,174,072	\$ 9,347	\$ 779	\$ 719				
Pacheco PP	\$ 4,111,648	0.035207	\$ 4,079,174	\$ 32,474	\$ 2,706	\$ 2,499				
Gianelli, WR PGP	\$ 6,824,320	0.058434	\$ 6,770,421	\$ 53,899	\$ 4,492	\$ 4,148				
Total Santa Clara WD	\$ 12,119,386	0.103774	\$ 12,023,667	\$ 95,719	\$ 7,977	\$ 7,366	83,917	\$ 0.10	\$ 0.09	\$ 0.19

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				Net Unpaid Construction at 9/30/2017 (B-D)	Annualized Costs Remaining Years (E/12)	Annual Interest @ (E*0.076950)		Construction Only (F/H)	Interest (G/H)	Total (I+J)
Ref	<Sch A-4>	(B/\$116,786,040)	(C*\$115,863,659)	at 9/30/2017 (B-D)	(E/12)	(E*0.076950)	<Sch S-6>	(F/H)	(G/H)	(I+J)
Shasta Pumping Plant (City of Shasta Lake)	\$ 549,708	0.004707	\$ 545,366	\$ 4,342	\$ 362	\$ 334	1,197	\$ 0.30	\$ 0.28	\$ 0.58
State Delta PP (Cross Valley Canal)	\$ 16,172	0.000138	\$ 16,045	\$ 128	\$ 11	\$ 10	278	\$ 0.04	\$ 0.04	\$ 0.08
Westlands WD Relifts	\$ 610,082	0.005224	\$ 605,263	\$ 4,818	\$ 402	\$ 371	2,721	\$ 0.15	\$ 0.14	\$ 0.29
Total Direct Pumping	\$ 19,214,651	0.164529	\$ 19,062,893	\$ 151,758	\$ 12,647	\$ 11,678				
Subtotal	\$ 86,975,836	0.744745	\$ 86,288,897	\$ 686,939	\$ 57,245	\$ 52,860				
Other Costs										
Deferred Interest Capitalized	\$ 21,277,763	0.182194	\$ 21,109,710	\$ 168,053	\$ 14,004	\$ 12,932				
Programmatic EIS Capitalized	\$ 3,619,874	0.030996	\$ 3,591,284	\$ 28,590	\$ 2,382	\$ 2,200				
All others	\$ 4,912,567	0.042065	\$ 4,873,767	\$ 38,800	\$ 3,233	\$ 2,986				
Total Other Costs	\$ 29,810,204	0.255255	\$ 29,574,762	\$ 235,442	\$ 19,620	\$ 18,117	356,783	\$ 0.05	\$ 0.05	\$ 0.10
Total	\$ 116,786,040	1.000000	\$ 115,863,659	\$ 922,381	\$ 76,865	\$ 70,977				

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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 9/30/17 (Column C of A-2Ba)	\$ 116,642,804
Construction Repayment per Assignment	<u>\$ (779,145)</u>
Adjusted M&I Construction Repayment	<u>\$ 115,863,659</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 9/30/2017	Project Use Energy BOR	Project Use Energy DOE	Project Use Energy Total
Jones Pumping Plant:						
Delta-Mendota Exchange	2,505,580	0.336333	\$ 580,192	\$ 1,710,303	\$ 1,427,409	\$ 3,137,712
All Other Contractors	<u>4,944,110</u>	<u>0.663667</u>	<u>\$ 1,144,858</u>	<u>\$ 3,374,839</u>	<u>\$ 2,816,620</u>	<u>\$ 6,191,459</u>
Total	<u>7,449,690</u>	<u>1.000000</u>	<u>\$ 1,725,050</u>	<u>a/ \$ 5,085,142</u>	<u>a/ \$ 4,244,029</u>	<u>a/ \$ 9,329,171</u>

a/ Jones Pumping Plant - Conveyance Pumping:

Total Construction Cos	\$ 11,054,221	(M&I Sch A-5)
less: BOR PUE	\$ 5,085,142	(M&I Sch A-5)
less: DOE PUE	<u>\$ 4,244,029</u>	(M&I Sch A-5)
Capital Allocation	<u>\$ 1,725,050</u>	

5/ FY 2019 projected deliveries include Friant Dam and Friant-Kern Canal

6/ FY 2019 projected deliveries for Jones PP do not include Delta Mendota Exchange contractors' deliveries.