RECLAMATION
Managing Water in the West

U.S. Department of the Interior
Bureau of Reclamation

Special Rates 2019 Sch S-2.Z21.XLSM
12/26/2018

CENTRAL VALLEY PROJECT
SCHEDULE OF M&I UNPAID CONSTRUCTION COSTS BY COMPONENT AND/OR FACILITY
AS OF SEPTEMBER 30, 2017
2019 SPECIAL WATER RATES

A	B	C	D	E	F	G	H	I	J	K
Component / Facility	Total Construction at 9/30/2017	Ratio of Total	Allocation of Construction Repayment at 9/30/2017 1/	Net Unpaid Construction at 9/30/2017	Unpaid Construction Annualized Costs 12 Remaining Years E*	Annual Interest @ 0.023270 2/	FY 2019 Projected Deliveries	Unpaid Construction Cost Per Acre Foot Construction Only	Unpaid Construction Cost Per Acre Foot Interest	Unpaid Construction Cost Per Acre Foot Total
Ref	<Sch A-4>			(B-D)	(E/12)		<Sch S-6>	(F/H)	(G/H)	(I+J)
		B/ $116,786,040	C* $115,863,659							
Storage										
San Felipe Unit	$ 6,372,282	0.054564	$ 6,321,954	$ 50,329	$ 4,194	$ 1,171	89,045	$ 0.05	$ 0.01	$ 0.06
All Other Contractors	$ 28,694,864	0.245705	$ 28,468,230	$ 226,633	$ 18,886	$ 5,274	267,738	$ 0.07	$ 0.02	$ 0.09
Total Storage	$ 35,067,146	0.300268	$ 34,790,184	$ 276,962	$ 23,080	$ 6,445				
Conveyance										
Contra Costa Canal System 3/	$ -		$ -	$ -	$ -	$ -		$ -	$ -	$ -
All Other Contractors	$ 18,279,772	0.156524	$ 18,135,398	$ 144,374	$ 12,031	$ 3,360	176,842	$ 0.07	$ 0.02	$ 0.09
Total Conveyance	$ 18,279,772	0.156524	$ 18,135,398	$ 144,374	$ 12,031	$ 3,360				
Conveyance Pumping										
Dos Amigos Pumping Plant										
Capital only 4/	$ 213,347	0.001827	$ 211,662	$ 1,685	$ 140	$ 39	10,796	$ 0.01	$ -	$ 0.01
PUE only	$ 458,895	0.003929	$ 455,271	$ 3,624	$ 302	$ 84	11,074	$ 0.03	$ 0.01	$ 0.04
								$ 0.04	$ 0.01	$ 0.05
O'Neill P-Generator/Pumping Plant										
Capital only	$ 1,226,244	0.010500	$ 1,216,559	$ 9,685	$ 807	$ 225	101,586	$ 0.01	$ -	$ 0.01
PUE only	$ 1,469,759	0.012585	$ 1,458,151	$ 11,608	$ 967	$ 270	101,586	$ 0.01	$ -	$ 0.01
								$ 0.02	$ -	$ 0.02
Jones Pumping Plant										
Friant Kern/Madera										
Capital only 5/ 6/	$ 580,192	0.004968	$ 575,609	$ 4,582	$ 382	$ 107	35,185	$ 0.01	$ -	$ 0.01
PUE only 5/ 6/	$ 3,137,712	0.026867	$ 3,112,930	$ 24,782	$ 2,065	$ 577	35,185	$ 0.06	$ 0.02	$ 0.08
								$ 0.07	$ 0.02	$ 0.09

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Component / Facility	**Total Construction at 9/30/2017**	**Ratio of Total**	**Allocation of Construction Repayment at 9/30/2017** 1/	**Net Unpaid Construction at 9/30/2017**	**Unpaid Construction Annualized Costs 12 Remaining Years** E*	**Annual Interest @ 0.023270** 2/	**FY 2019 Projected Deliveries**	**Unpaid Construction Cost Per Acre Foot Construction Only**	**Unpaid Construction Cost Per Acre Foot Interest**	**Unpaid Construction Cost Per Acre Foot Total**
Ref	<Sch A-4>			(B-D)	(E/12)		<Sch S-6>	(F/H)	(G/H)	(I+J)
		B/ $116,786,040	C* $115,863,659							
All Other Contractors										
Capital only 5/ 7/	$ 1,136,658	0.009733	$ 1,127,681	$ 8,977	$ 748	$ 209	108,921	$ 0.01	$ -	$ 0.01
PUE only 5/ 7/	$ 6,191,459	0.053015	$ 6,142,559	$ 48,900	$ 4,075	$ 1,138	108,921	$ 0.04	$ 0.01	$ 0.05
								$ 0.05	$ 0.01	$ 0.06
Total Conveyance Pumping	$ 14,414,267	0.123425	$ 14,300,422	$ 113,844	$ 9,487	$ 2,649				
Direct Pumping										
Bella Vista WD (Wintu PP)	$ 637,849	0.005462	$ 632,811	$ 5,038	$ 420	$ 117	4,216	$ 0.10	$ 0.03	$ 0.13
Colusa County WD Relift PP	$ 3,685	0.000032	$ 3,656	$ 29	$ 2	$ 1	133	$ 0.02	$ 0.01	$ 0.03
Contra Costa PP (Contra Costa WD)	$ 4,465,211	0.038234	$ 4,429,945	$ 35,266	$ 2,939	$ 821	92,994	$ 0.03	$ 0.01	$ 0.04
Kanawha WD	$ 28	0.000000	$ 27	$ 0	$ 0	$ 0	10	$ -	$ -	$ -
Pleasant Valley PP (City of Coalinga)	$ 39,634	0.000339	$ 39,321	$ 313	$ 26	$ 7	4,823	$ 0.01	$ -	$ 0.01
Pleasant Valley WD Canalside Relift PP (City of Coalinga)	$ 161,724	0.001385	$ 160,447	$ 1,277	$ 106	$ 30	4,823	$ 0.02	$ 0.01	$ 0.03
San Benito County WD			$ -							
Pacheco PP	$ 192,986	0.001652	$ 191,462	$ 1,524	$ 127	$ 35				
Gianelli, WR PGP	$ 321,023	0.002749	$ 318,487	$ 2,535	$ 211	$ 59				
Total San Benito County WD	$ 514,009	0.004401	$ 509,950	$ 4,060	$ 338	$ 94	5,128	$ 0.07	$ 0.02	$ 0.09
San Luis WD Canalside Relift PP	$ 97,163	0.000832	$ 96,395	$ 767	$ 64	$ 18	1,854	$ 0.03	$ 0.01	$ 0.04
Santa Clara Valley WD										
Coyote PP	$ 1,183,419	0.010133	$ 1,174,072	$ 9,347	$ 779	$ 217				
Pacheco PP	$ 4,111,648	0.035207	$ 4,079,174	$ 32,474	$ 2,706	$ 756				
Gianelli, WR PGP	$ 6,824,320	0.058434	$ 6,770,421	$ 53,899	$ 4,492	$ 1,254				
Total Santa Clara WD	$ 12,119,386	0.103774	$ 12,023,667	$ 95,719	$ 7,977	$ 2,227	83,917	$ 0.10	$ 0.03	$ 0.13

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Ref	<Sch A-4>			(B-D)	(E/12)		<Sch S-6>	(F/H)	(G/H)	(I+J)
		B/ $116,786,040	C* $115,863,659							
Shasta Pumping Plant (City of Shasta Lake)	$ 549,708	0.004707	$ 545,366	$ 4,342	$ 362	$ 101	1,197	$ 0.30	$ 0.08	$ 0.38
State Delta PP (Cross Valley Canal)	$ 16,172	0.000138	$ 16,045	$ 128	$ 11	$ 3	278	$ 0.04	$ 0.01	$ 0.05
Westlands WD Relifts	$ 610,082	0.005224	$ 605,263	$ 4,818	$ 402	$ 112	2,721	$ 0.15	$ 0.04	$ 0.19
Total Direct Pumping	$ 19,214,651	0.164529	$ 19,062,893	$ 151,758	$ 12,647	$ 3,531				
Subtotal	$ 86,975,836	0.744745	$ 86,288,897	$ 686,939	$ 57,245	$ 15,985				
Other Costs										
Deferred Interest Capitalized	$ 21,277,763	0.182194	$ 21,109,710	$ 168,053	$ 14,004	$ 3,911				
Programmatic EIS Capitalized	$ 3,619,874	0.030996	$ 3,591,284	$ 28,590	$ 2,382	$ 665				
All others	$ 4,912,567	0.042065	$ 4,873,767	$ 38,800	$ 3,233	$ 903				
Total Other Costs	$ 29,810,204	0.255255	$ 29,574,762	$ 235,442	$ 19,620	$ 5,479	356,783	$ 0.05	$ 0.02	$ 0.07
Total	$ 116,786,040	1.000000	$115,863,659	$ 922,381	$ 76,865	$ 21,463				

CENTRAL VALLEY PROJECT
SCHEDULE OF M&I UNPAID CAPITAL COSTS BY COMPONENT AND/OR FACILITY
AS OF SEPTEMBER 30, 2017
2019 SPECIAL WATER RATES

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	$ (779,145)
Adjusted M&I Construction Repayment	$ 115,863,659

2/ Annual Interest of 0.023270 is from M&I Schedule A-13.

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

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

5/ 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	4,944,110	0.663667	$ 1,144,858		$ 3,374,839		$ 2,816,620		$ 6,191,459
Total	7,449,690	1.000000	$ 1,725,050	a/	$ 5,085,142	a/	$ 4,244,029	a/	$ 9,329,171

a/ Jones Pumping Plant - Conveyance Pumping:

Total Construction Cost	$ 11,054,221	**(M&I Sch A-5)**
less: BOR PUE	$ 5,085,142	**(M&I Sch A-5)**
less: DOE PUE	$ 4,244,029	**(M&I Sch A-5)**
Capital Allocation	$ 1,725,050	

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

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