

2016 Full Cost Additional Service Water Rates Sch TR-2b.Z18.xlsm  
12/01/2015

CENTRAL VALLEY PROJECT  
SCHEDULE OF FULL COST ADDITIONAL SERVICE WATER RATES  
AS OF SEPTEMBER 30, 2014  
2016 SPECIAL WATER RATES

A	B	C	D	E	F	G	H	I	J	K
Ref	Total Construction at 9/30/2014	Ratio of Total	Allocation of Construction Repayment at 9/30/2014 <sup>1/</sup>	Net Unpaid Construction at 9/30/2014	Unpaid Construction		FY 2016 Projected Deliveries	Unpaid Construction Cost Per Acre Foot		
					Annualized Costs 15 Remaining Years	Annual Interest @ 0.077800 <sup>2/</sup>		Construction Only	Interest	Total
	<Sch A-4>	(B/\$120,272,096)	(C*\$115,691,592)	(B-D)	(E/15)	(E*0.077800)	<Sch S-6>	(F/H)	(G/H)	(I+J)
<b>Component / Facility</b>										
<b>Storage</b>										
San Felipe Unit	\$ 6,873,436	0.057149	\$ 6,611,685	\$ 261,751	\$ 17,450	\$ 20,364	75,370	\$ 0.23	\$ 0.27	\$ 0.50
All Other Contractors	\$ 30,582,335	0.254276	\$ 29,417,714	\$ 1,164,622	\$ 77,641	\$ 90,608	233,026	\$ 0.33	\$ 0.39	\$ 0.72
Total Storage	\$ 37,455,771	0.311425	\$ 36,029,399	\$ 1,426,372	\$ 95,091	\$ 110,972				
<b>Conveyance</b>										
Contra Costa Canal System <sup>3/</sup>	\$ -			\$ -	\$ -	\$ -		\$ -	\$ -	\$ -
All Other Contractors	\$ 19,857,570	0.165105	\$ 19,101,364	\$ 756,206	\$ 50,414	\$ 58,833	163,242	\$ 0.31	\$ 0.36	\$ 0.67
Total Conveyance	\$ 19,857,570	0.165105	\$ 19,101,364	\$ 756,206	\$ 50,414	\$ 58,833				
<b>Conveyance Pumping</b>										
Dos Amigos Pumping Plant										
Construction only <sup>4/</sup>	\$ 210,121	0.001747	\$ 202,119	\$ 8,002	\$ 533	\$ 623	9,263	\$ 0.06	\$ 0.07	\$ 0.13
PUE only	\$ 442,464	0.003679	\$ 425,614	\$ 16,850	\$ 1,123	\$ 1,311	9,486	\$ 0.12	\$ 0.14	\$ 0.26
								\$ 0.18	\$ 0.21	\$ 0.39
O'Neill P-Generator/Pumping Plant										
Construction only	\$ 1,358,540	0.011296	\$ 1,306,805	\$ 51,735	\$ 3,449	\$ 4,025	86,103	\$ 0.04	\$ 0.05	\$ 0.09
PUE only	\$ 1,425,963	0.011856	\$ 1,371,661	\$ 54,303	\$ 3,620	\$ 4,225	86,103	\$ 0.04	\$ 0.05	\$ 0.09
								\$ 0.08	\$ 0.10	\$ 0.18
Jones Pumping Plant										
Friant Kern/Madera										
Construction only <sup>5/ 6/</sup>	\$ 635,504	0.005284	\$ 611,303	\$ 24,201	\$ 1,613	\$ 1,883	40,234	\$ 0.04	\$ 0.05	\$ 0.09
PUE only <sup>5/ 6/</sup>	\$ 3,044,736	0.025315	\$ 2,928,788	\$ 115,948	\$ 7,730	\$ 9,021	40,234	\$ 0.19	\$ 0.22	\$ 0.41
								\$ 0.23	\$ 0.27	\$ 0.50

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<Sch A-4>	(B/\$120,272,096)	(C*\$115,691,592)	(B-D)	(E/15)	(E*0.077800)	<Sch S-6>	(F/H)	(G/H)	(I+J)	
<b>Component / Facility</b>										
All Other Contractors										
Construction only <sup>5/ 7/</sup>	\$ 1,286,116	0.010693	\$ 1,237,138	\$ 48,977	\$ 3,265	\$ 3,810	93,381	\$ 0.03	\$ 0.04	\$ 0.07
PUE only <sup>5/7/</sup>	\$ 6,162,895	0.051241	\$ 5,928,203	\$ 234,692	\$ 15,646	\$ 18,259	93,381	\$ 0.17	\$ 0.20	\$ 0.37
								<u>\$ 0.20</u>	<u>\$ 0.24</u>	<u>\$ 0.44</u>
Total Conveyance Pumping	\$ 14,566,339	0.121112	\$ 14,011,630	\$ 554,708	\$ 36,981	\$ 43,156				
<b>Direct Pumping</b>										
Bella Vista WD (Wintu PP)	\$ 661,840	0.005503	\$ 636,636	\$ 25,204	\$ 1,680	\$ 1,961	3,683	\$ 0.46	\$ 0.53	\$ 0.99
Colusa County WD Relift PP	\$ 3,768	0.000031	\$ 3,625	\$ 144	\$ 10	\$ 11	126	\$ 0.08	\$ 0.09	\$ 0.17
Contra Costa PP (Contra Costa WD)	\$ 4,275,481	0.035548	\$ 4,112,664	\$ 162,817	\$ 10,854	\$ 12,667	76,770	\$ 0.14	\$ 0.17	\$ 0.31
Kanawha WD	\$ 21	0.000000	\$ 20	\$ 1	\$ 0	\$ 0	6	\$ 0.01	\$ 0.01	\$ 0.02
Pleasant Valley PP (City of Coalinga)	\$ 38,645	0.000321	\$ 37,173	\$ 1,472	\$ 98	\$ 114	4,268	\$ 0.02	\$ 0.03	\$ 0.05
Pleasant Valley WD Canalside Relift PP (City of Coalinga)	\$ 158,989	0.001322	\$ 152,934	\$ 6,055	\$ 404	\$ 471	4,268	\$ 0.09	\$ 0.11	\$ 0.20
San Benito County WD										
Pacheco PP	\$ 167,149	0.001390	\$ 160,784	\$ 6,365	\$ 424	\$ 495				
Gianelli, WR PGP	\$ 281,895	0.002344	\$ 271,160	\$ 10,735	\$ 716	\$ 835				
Total San Benito County WD	\$ 449,044	0.003734	\$ 431,944	\$ 17,100	\$ 1,140	\$ 1,330	3,372	\$ 0.34	\$ 0.39	\$ 0.73
San Luis WD Canalside Relift PP	\$ 102,379	0.000851	\$ 98,480	\$ 3,899	\$ 260	\$ 303	1,576	\$ 0.16	\$ 0.19	\$ 0.35
Santa Clara Valley WD										
Coyote PP	\$ 1,154,055	0.009595	\$ 1,110,106	\$ 43,948	\$ 2,930	\$ 3,419				
Pacheco PP	\$ 4,009,625	0.033338	\$ 3,856,932	\$ 152,693	\$ 10,180	\$ 11,879				
Gianelli, WR PGP	\$ 6,762,055	0.056223	\$ 6,504,545	\$ 257,509	\$ 17,167	\$ 20,034				
Total Santa Clara WD	\$ 11,925,734	0.099156	\$ 11,471,584	\$ 454,150	\$ 30,277	\$ 35,333	71,998	\$ 0.42	\$ 0.49	\$ 0.91

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<b>Component / Facility</b>										
Shasta Pumping Plant (City of Shasta Lake)	\$ 556,347	0.004626	\$ 535,161	\$ 21,187	\$ 1,412	\$ 1,648	1,354	\$ 1.04	\$ 1.22	\$ 2.26
State Delta PP (Cross Valley Canal)	\$ 16,134	0.000134	\$ 15,519	\$ 614	\$ 41	\$ 48	223	\$ 0.18	\$ 0.21	\$ 0.39
Westlands WD Relifts	\$ 595,246	0.004949	\$ 572,578	\$ 22,668	\$ 1,511	\$ 1,764	2,138	\$ 0.71	\$ 0.82	\$ 1.53
Total Direct Pumping	\$ 18,783,627	0.156176	\$ 18,068,318	\$ 715,309	\$ 47,687	\$ 55,651				
Subtotal	\$ 90,663,307	0.753818	\$ 87,210,711	\$ 3,452,596	\$ 230,173	\$ 268,612				
<b>Other Costs</b>										
Deferred Interest Capitalized	\$ 21,277,763	0.176914	\$ 20,467,474	\$ 810,289	\$ 54,019	\$ 63,041				
Programmatic EIS Capitalized	\$ 3,544,928	0.029474	\$ 3,409,932	\$ 134,996	\$ 9,000	\$ 10,503				
All others	\$ 4,786,098	0.039794	\$ 4,603,836	\$ 182,262	\$ 12,151	\$ 14,180				
Total Other Costs	\$ 29,608,789	0.246182	\$ 28,481,241	\$ 1,127,547	\$ 75,170	\$ 87,723	308,396	\$ 0.24	\$ 0.28	\$ 0.52
Total	\$ 120,272,096	1.000000	\$ 115,691,952	\$ 4,580,143	\$ 305,343	\$ 356,335				

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**FOOTNOTES:**

- 1/ Refer to M&I Water Rates, Schedule A-2Ba.
- 2/ Annual Interest of 0.077790 is from Special Water Rates, Schedule FC-5.
- 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 9/30/2013	Project Use Energy		
				BOR	DOE	Total
Jones Pumping Plant:						
Delta-Mendota Exchange	2,580,190	0.330675	\$ 635,504	\$ 1,665,187	\$ 1,379,548	\$ 3,044,736
All Other Contractors	<u>5,222,601</u>	<u>0.669325</u>	<u>\$ 1,286,332</u>	<u>\$ 3,370,531</u>	<u>\$ 2,792,365</u>	<u>\$ 6,162,895</u>
Total	<u>7,802,791</u>	<u>1.000000</u>	<u>\$ 1,921,836</u>	<u>a/ \$ 5,035,718</u>	<u>a/ \$ 4,171,913</u>	<u>a/ \$ 9,207,631</u>

a/ Jones Pumping Plant - Conveyance Pumping:

Total Construction Cos	\$ 11,129,467	<b>(M&amp;I Sch A-5)</b>
less: BOR PUE	\$ 5,035,718	<b>(M&amp;I Sch A-5)</b>
less: DOE PUE	<u>\$ 4,171,913</u>	<b>(M&amp;I Sch A-5)</b>
Capital Allocation	<u>\$ 1,921,836</u>	

- 6/ FY 2016 projected deliveries include Friant Dam and Friant-Kern Canal
- 7/ FY 2016 projected deliveries for Jones PP do not include Delta Mendota Exchange contractors' deliveries.