

M&I 2017 Sch A-5 F.Z19.XLSM  
09/26/2016

CENTRAL VALLEY PROJECT  
SCHEDULE OF M&I CONSTRUCTION AND PROJECT USE ENERGY COSTS BY COMPONENT  
AS OF SEPTEMBER 30, 2015  
2017 M&I WATER RATES

A	B	C	D	E	F	G
Facility/Contractor	M&I Construction Cost at 09/30/15	Allocation of Project Use Energy Construction Costs				Total M&I Construction Costs at 09/30/15
		Historical & Projected (1981-2030) KWH Per AF <sup>2/</sup>	Ratio of Total	CVP PUE Construction Costs as of 9/30/15		
				(BOR) <sup>2/</sup>	(DOE) <sup>2/</sup>	
Ref	<Cost Allocation>	<Sch A-7 & CVO>	(C/Total C)	(D*Total PUE BOR)	(D*Total PUE DOE)	(B+E+F)
<b><u>Storage</u></b> <sup>1/</sup>						
San Felipe Unit Contractors	\$ 6,689,271	-	-	\$ -	\$ -	\$ 6,689,271
All Other Contractors	\$ 27,422,643	178,821,370	0.032206	\$ 502,846	\$ 426,639	\$ 28,352,128
Total Storage	\$ 34,111,914	178,821,370	0.032206	\$ 502,846	\$ 426,639	\$ 35,041,399
<b><u>Conveyance</u></b>						
Contra Costa WD <sup>3/</sup>	\$ -					\$ -
All Other Contractors	\$ 18,514,988					\$ 18,514,988
Total Conveyance	\$ 18,514,988					\$ 18,514,988
<b><u>Conveyance Pumping</u></b>						
Dos Amigos Pumping Plant	\$ 212,983	87,940,343	0.015838	\$ 247,289	\$ 209,812	\$ 670,084
O'Neill Pump-Generator Plant	\$ 1,255,458	276,184,444	0.049741	\$ 776,632	\$ 658,932	\$ 2,691,022
Jones Pumping Plant	\$ 1,783,721	1,768,081,470	0.318431	\$ 4,971,852	\$ 4,218,359	\$ 10,973,932
Total Conveyance Pumping	\$ 3,252,163	2,132,206,257	0.384010	\$ 5,995,773	\$ 5,087,102	\$ 14,335,038
<b><u>Direct Pumping</u></b>						
Bella Vista WD (Wintu PP)	\$ 317,856	69,513,365	0.012519	\$ 195,472	\$ 165,848	\$ 679,176
Colusa County WD	\$ -	691,546	0.000125	\$ 1,945	\$ 1,650	\$ 3,595
Contra Costa Pumping Plants	\$ -	839,863,327	0.151259	\$ 2,361,699	\$ 2,003,779	\$ 4,365,478
Kanawha WD	\$ -	4,039	0.000001	\$ 11	\$ 10	\$ 21
Pleasant Valley Canalside Relifts	\$ 19,660	3,828,906	0.000690	\$ 10,767	\$ 9,135	\$ 39,562
Pleasant Valley Pumping Plant	\$ 159,550	25,905	0.000005	\$ 73	\$ 62	\$ 159,685

M&I 2017 Sch A-5 F.Z19.XLSM  
09/26/2016

CENTRAL VALLEY PROJECT  
SCHEDULE OF M&I CONSTRUCTION AND PROJECT USE ENERGY COSTS BY COMPONENT  
AS OF SEPTEMBER 30, 2015  
2017 M&I WATER RATES

A	B	C	D	E	F	G
Facility/Contractor	M&I Construction Cost at 09/30/15	Allocation of Project Use Energy Construction Costs				Total M&I Construction Costs at 09/30/15
		Historical & Projected (1981-2030) KWH Per AF <sup>2/</sup>	Ratio of Total	CVP PUE Construction Costs as of 9/30/15		
				(BOR) <sup>2/</sup>	(DOE) <sup>2/</sup>	
Ref	<Cost Allocation>	<Sch A-7 & CVO>	(C/Total C)	(D*Total PUE BOR)	(D*Total PUE DOE)	(B+E+F)
San Benito County WD						
Pacheco Pumping Plant	\$ -	31,587,805	0.005689	\$ 88,825	\$ 75,363	\$ 164,188
Gianelli, William R. Pump-Generator Plant <sup>1/</sup>	\$ 26,646	47,637,175	0.008579	\$ 133,956	\$ 113,655	\$ 274,256
San Luis WD Canalside Relifts & Turnouts	\$ -	19,451,616	0.003503	\$ 54,698	\$ 46,408	\$ 101,106
Santa Clara Valley WD						
Coyote Pumping Plant	\$ -	222,810,005	0.040128	\$ 626,543	\$ 531,589	\$ 1,158,132
Pacheco Pumping Plant	\$ -	774,126,482	0.139420	\$ 2,176,847	\$ 1,846,942	\$ 4,023,788
Gianelli, William R. Pump-Generator Plant <sup>1/</sup>	\$ 653,007	1,167,450,498	0.210258	\$ 3,282,875	\$ 2,785,350	\$ 6,721,232
Shasta Pumping Plant	\$ 314,152	47,077,483	0.008479	\$ 132,382	\$ 112,319	\$ 558,853
State-Delta Pumping Plant (Cross Valley Canal)	\$ -	3,107,511	0.000560	\$ 8,738	\$ 7,414	\$ 16,152
Westlands WD Canalside Relift PP	\$ 532,101	14,269,412	0.002570	\$ 40,126	\$ 34,045	\$ 606,271
Total Direct Pumping	\$ 2,022,972	3,241,445,075	0.583784	\$ 9,114,957	\$ 7,733,568	\$ 18,871,497
Other Costs <sup>4/</sup>	\$ 4,945,667					\$ 4,945,667
Total	\$ 62,847,704	5,552,472,702	1.000000	\$ 15,613,575	\$ 13,247,310	\$ 91,708,589

CENTRAL VALLEY PROJECT  
SCHEDULE OF M&I CONSTRUCTION AND PROJECT USE ENERGY COSTS BY COMPONENT  
AS OF SEPTEMBER 30, 2015  
2017 M&I WATER RATES

Footnotes:

1/ Allocation of Storage Costs:

	San Felipe Unit			All Other Storage Contractors	Total
	Storage	Suballocation of Storage Costs (Dir. Pump. Appl. to SL/PG)			
		San Benito County WD	Santa Clara Valley WD		
Historical and Projected 1981-2030 M&I Deliveries (Sch A-7)	3,833,084	150,275	3,682,809	14,264,394	18,097,478
Ratios	0.211802	0.039205	0.960795	0.788198	1.000000
Allocated Gianelli, WR Pump-Generator Costs	\$ 679,652	\$ 26,646	\$ 653,007	\$ 2,529,252	\$ 3,208,905
Allocated Other Storage Costs	\$ 6,689,271	\$ -	\$ -	\$ 24,893,391	\$ 31,582,662
Total	\$ 7,368,923	\$ 26,646	\$ 653,007	\$ 27,422,643	\$ 34,791,566

2/ These costs represent the total Pumping Project Use Power costs allocated to Irrigation for the CVP Bureau of Reclamation (BOR) and Western Area Power Administration (DOE). The costs are allocated to components based on the ratios identified above under "Allocation of Project Use Energy Costs". They are then suballocated to individual facilities based on the historical and projected 1981-2030 KWHs/AF.

3/ Allocated costs are recovered through a repayment contract.

4/ This amount includes Level 2 Refuge Water Supply and Trinity River Restoration Program