

M&I 2017 Sch B-6A.Z21  
12/10/2018

CENTRAL VALLEY PROJECT  
SCHEDULE OF M&I ESTIMATED PROJECT USE ENERGY OPERATION & MAINTENANCE COSTS  
BY FACILITY AND/OR COMPONENT  
2019 M&I WATER RATES

A	B	C	D	E	F	G	H	I
Facility/Contractor	Unpaid/ (Credit) Previous Period	Estimated Project Use Energy Cost FY 2017	True-Up *See Note	Total	Offset: % of Applied **	Direct Pumping DP Rate x AF	Charge Adjustment	Unpaid/ (Remaining)
Ref				SUM(B:D)				SUM(E:H)
<b>Storage (Based on Offset)</b>								
San Felipe Unit Contractors 2/	\$ 10,407	\$ 42,595	\$ 50	\$ 53,052	\$ (53,052.02)			\$ 0.00
All Others	\$ 280,007	\$ 622,911	\$ (545,653)	\$ 357,265	\$ (357,264.70)			\$ 0.00
<b>Storage Total (Based on Offset)</b>	<b>\$ 290,413</b>	<b>\$ 665,506</b>	<b>\$ (545,603)</b>	<b>\$ 410,317</b>	<b>\$ (410,316.73)</b>			<b>\$ 0.00</b>
<b>Direct Pumping (Based on Offset)</b>								
City of Shasta Lake	\$ 794	\$ 14,499	\$ 4	\$ 15,297	\$ (15,297.28)		\$ -	\$ -
Cross Valley Canal Contractors (Dos Amigos & Banks)	\$ -	\$ 9,199	\$ -	\$ 9,199	\$ (9,199.36)		\$ -	\$ -
Panoche WD	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -
Pleasant Valley PP (City of Coalinga)	\$ -	\$ 56,882	\$ 348	\$ 57,229	\$ (57,229.32)		\$ -	\$ -
Wintu PP (Bella Vista WD)	\$ -	\$ 51,111	\$ (3,078)	\$ 48,033	\$ (48,033.45)		\$ -	\$ -
<b>Direct Pumping Total (Based on Offset)</b>	<b>\$ 794</b>	<b>\$ 131,691</b>	<b>\$ (2,726)</b>	<b>\$ 129,759</b>	<b>\$ (129,759.40)</b>		<b>\$ -</b>	<b>\$ -</b>
<b>Direct Pumping (Direct Cost)</b>								
Contra Costa wD	\$ (493,155)	\$ 513,239	\$ 243,425	\$ 263,508		\$ (1,004,654.25)	\$ -	\$ (741,146.40)
Colusa County WD	\$ (1,240)	\$ 2,318	\$ 3	\$ 1,081		\$ (2,592.33)	\$ -	\$ (1,511.32)
Kanawha WD	\$ (38)	\$ 11	\$ 0	\$ (27)		\$ (46.48)	\$ 12.73	\$ (60.52)
San Benito County WD 1/, 3/	\$ (103,323)	\$ 178,467	\$ 135	\$ 75,278		\$ (333,118.76)	\$ -	\$ (257,840.63)
Santa Clara Valley WD 1/, 3/	\$ (280,691)	\$ 1,880,280	\$ 8,532	\$ 1,608,121		\$ (3,394,693.36)	\$ -	\$ (1,786,572.41)
San Luis WD	\$ 16,178	\$ 4,732	\$ 38	\$ 20,948		\$ (11,897.90)	\$ (3,282.70)	\$ 5,767.61
Westlands WD 4/	\$ 22,962	\$ 11,271	\$ 193	\$ 34,426		\$ (30,227.22)	\$ (4,211.68)	\$ (13.38)
<b>Direct Pumping Total (Direct Cost)</b>	<b>\$ (839,307)</b>	<b>\$ 2,590,317</b>	<b>\$ 252,325</b>	<b>\$ 2,003,335</b>	<b>\$ -</b>	<b>\$ (4,777,230.30)</b>	<b>\$ (7,481.65)</b>	<b>\$ (2,781,377.05)</b>
<b>Grand Total</b>	<b>\$ (548,099)</b>	<b>\$ 3,387,514</b>	<b>\$ (296,004)</b>	<b>\$ 2,543,411</b>	<b>\$ (540,076.13)</b>	<b>\$ (4,777,230.30)</b>	<b>\$ (7,481.65)</b>	<b>\$ (2,781,377.05)</b>

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Facility/Contractor	Unpaid/ (Credit) Previous Period	Estimated Project Use Energy Cost FY 2017	True-Up *See Note	Total	Offset: % of Applied **	Direct Pumping DP Rate x AF	Charge Adjustment	Unpaid/ (Remaining)
Ref				SUM(B:D)				SUM(E:H)
Needed based on Column F								
Storage		\$ 410,316.73						
Direct Pumping		\$ 129,759.40						
		<u>\$ 540,076.13</u>						
Applied (offset/credit) **		\$ 540,076.13	100.0000%					
Amount Applied to "Other" Cost is a Credit in Accounting for following Contractors:			Available From Previous Period **	Rate x AF in FY 2017 for "Other" Cost	Total Available	Applied to "Other" Cost **		Remaining Available
Contra Costa WD				\$ 178,001.75	178,001.75	\$ 178,001.75		\$ -
Colusa County Water District				\$ 536.12	536.12	\$ 536.12		\$ -
Kanawha Water District				\$ 9.57	9.57	\$ 9.57		\$ -
San Benito County Water District				\$ 58,370.90	58,370.90	\$ 58,370.90		\$ -
Santa Clara Valley Water District				\$ 657,538.72	657,538.72	\$ 296,014.93		\$ 361,523.79
San Luis Water District				\$ 1,749.54	1,749.54	\$ 1,749.54		\$ -
Westlands Water District				\$ 5,393.32	5,393.32	\$ 5,393.32		\$ -
Total			\$ -	\$ 901,599.92	\$ 901,599.92	\$ 540,076.13		\$ 361,523.79

\* Cost associated with periods thru February 2016 will be included in the accountings. This is the True-Up for the period beginning March 1, 2016.

\*\* Project Use Energy O&M cost recoverable through water rates are for Storage and Direct Pumping. Beginning March 2016, there are 8 contractors that pay the Project Use Energy O&M based on Rates times their Acre-Feet. These 8 contractors receive a credit to their O&M cost for paying WAPA on behalf of others for Storage and Direct Pumping Project Use Energy. The credit is offset by allocating the credit to the contractors receiving the service. Any shortages in payment of Project Use Energy O&M cost will be recoverable in the following year under a similar process (See schedule B-6A for a detail summary of the remaining cost).

1/ Allocation of Gianelli, WR Pump Generator

	Total	San Benito County WD	Santa Clara Valley WD
2017 Storage Deliveries (Excludes 215 Water)	136,774	13,100	123,674
Ratios	<u>1.00000</u>	<u>0.09578</u>	<u>0.90422</u>
2016 Storage Deliveries (for True-Up)	61,072	1,019	60,053
Ratios	<u>1.00000</u>	<u>0.01669</u>	<u>0.98331</u>

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A Facility/Contractor	B Unpaid/ (Credit) Previous Period	C Estimated Project Use Energy Cost FY 2017	D True-Up *See Note	E Total	F Offset: % of Applied **	G Direct Pumping DP Rate x AF	H Charge Adjustment	I Unpaid/ (Remaining)
Ref				SUM(B:D)				SUM(E:H)

				<b>All Other Storage Contractors</b>				
					<b>Total</b>			
Gianelli, WR Pump Generator (2017 Estimate)	\$ 1,111,454.09	\$ 106,455.07	\$ 1,004,999.02	\$ 674,723.54	\$ 1,786,177.63			
Gianelli, WR Pump Generator (2016 True-Up)	\$ 5,747.75	\$ 95.93	\$ 5,651.82	\$ (540,230.12)	\$ (534,482.37)			

2/ Allocation of Other PUE storage costs

	San Felipe Unit (Storage)			All Other Contractors	Total
	Total	San Benito County WD	Santa Clara Valley WD		
2017 Storage Deliveries (Excludes 215 Water)	136,774	13,100	123,674	220,586	357,360
Ratios	0.38273	0.09578	0.90422	0.61727	1.00000
2016 Storage Deliveries (for True-Up)	61,072	1,019	60,053	252,447	313,519
Ratios	0.19480	0.01669	0.98331	0.80520	1.00000
Other PUE Offset Storage Cost (2017 Estimate)	\$ 42,595.11	\$ 4,079.76	\$ 38,515.35	\$ 68,697.73	\$ 111,292.84
Other PUE Offset Storage Cost (2016 True-Up)	\$ 50.37	\$ 0.84	\$ 49.53	\$ 208.21	\$ 258.58

3/ Allocation of Pacheco Pumping Plant costs - Allocation is based on same water delivery ratios as shown in 1/ above.

	Total	San Benito County WD	Santa Clara Valley WD
Pacheco PP (2017 Estimate)	\$ 751,842.11	\$ 72,011.44	\$ 679,830.67
Pacheco PP (2016 True-Up)	\$ 2,339.67	\$ 39.05	\$ 2,300.62

**Note: Storage Expense Allocation**

	San Felipe Unit Contractors	All Other Contractors	Total
<b>2017 Estimate</b>			
Gianelli, WR Pump Generator	\$ -	\$ 674,723.54	\$ 674,723.54
Other PUE Offset Storage Cost	\$ 42,595.11	\$ 68,697.73	\$ 111,292.84
Regeneration Credit for FY 2017		\$ (120,510.41)	\$ (120,510.41)
Total PUE Offset Storage Cost	\$ 42,595.11	\$ 622,910.86	\$ 665,505.97
<b>2016 True-Up</b>			
Gianelli, WR Pump Generator	\$ -	\$ (540,230.12)	\$ (540,230.12)
Other PUE Offset Storage Cost	\$ 50.37	\$ 208.21	\$ 258.58
Regeneration Credit for FY 2016		\$ (5,631.07)	\$ (5,631.07)
Total PUE Offset Storage Cost	\$ 50.37	\$ (545,652.98)	\$ (545,602.61)

4/ Westlands WD charge adjustment:  
PUE surplus applied to Water Revenues  
PUE surplus applied to M&I PUE deficit

	\$ 2,306.83
	\$ 1,904.85
	\$ 4,211.68