

IRR 2017 Sch B-6A.Z21
12/10/2018

CENTRAL VALLEY PROJECT
SCHEDULE OF IRRIGATION ESTIMATED PROJECT USE ENERGY OPERATION & MAINTENANCE COSTS
BY FACILITY AND/OR COMPONENT
2019 IRRIGATION 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)			See Sch B-1	SUM(E:H)
Storage (Based on Offset)								
San Felipe Unit Contractors 2/	\$ 458	\$ 838	\$ 1	\$ 1,297	\$ (641.77)			\$ 655.31
All Others	\$ 1,690,584	\$ 4,811,219	\$ (2,124,605)	\$ 4,377,198	\$ (2,165,755.98)			\$ 2,211,442.02
Storage Total (Based on Offset)	\$ 1,691,042	\$ 4,812,057	\$ (2,124,604)	\$ 4,378,495	\$ (2,166,397.75)			\$ 2,212,097.33
Direct Pumping (Based on Offset)								
Corning WD	\$ 16,546	\$ 41,129	\$ 134	\$ 57,808	\$ (28,602.55)			\$ 29,205.91
Cross Valley Canal Contractors (Dos Amigos & Banks)	\$ -	\$ 24,209	\$ -	\$ 24,209	\$ (11,978.08)			\$ 12,230.76
Dunnigan WD	\$ 5,261	\$ 5,467	\$ 15	\$ 10,743	\$ (5,315.53)			\$ 5,427.66
Panoche WD	\$ 764	\$ 719	\$ 2	\$ 1,485	\$ (734.53)			\$ 750.02
Proberta WD	\$ -	\$ 1,066	\$ 3	\$ 1,069	\$ (528.85)			\$ 540.01
Glenn Valley WD	\$ -	\$ -	\$ -	\$ -	\$ -			\$ -
Westside WD	\$ -	\$ 16,133	\$ 50	\$ 16,183	\$ (8,006.84)			\$ 8,175.74
Wintu PP (Bella Vista WD)	\$ 17,766	\$ 33,815	\$ (2,763)	\$ 48,818	\$ (24,154.00)			\$ 24,663.52
Direct Pumping Total (Based on Offset)	\$ 40,336	\$ 122,537	\$ (2,559)	\$ 160,314	\$ (79,320.37)		\$ -	\$ 80,993.62
Direct Pumping (Direct Cost)								
Colusa County WD	\$ (158,153)	\$ 278,341	\$ 814	\$ 121,003		\$ (766,862.11)	\$ -	\$ (645,859.26)
Kanawha WD	\$ (84,180)	\$ 27,541	\$ 67	\$ (56,572)		\$ (112,674.80)	\$ 54,033.09	\$ (115,213.70)
Orland-Artois WD	\$ (26,101)	\$ 62,295	\$ 184	\$ 36,379		\$ (112,431.16)	\$ 13,363.75	\$ (62,688.84)
San Benito County WD 1/, 3/	\$ (38,273)	\$ 91,711	\$ 549	\$ 53,987		\$ (149,483.40)	\$ 8,213.48	\$ (87,283.24)
Santa Clara Valley WD 1/, 3/	\$ (231,120)	\$ 25,162	\$ -	\$ (205,958)		\$ (63,750.60)	\$ -	\$ (269,708.65)
San Luis WD	\$ 56,044	\$ 464,867	\$ 1,202	\$ 522,112		\$ (436,356.00)	\$ (85,756.40)	\$ -
Westlands WD DD 4/ 5/	\$ 285,298	\$ 3,188,170	\$ 5,100	\$ 3,478,568		\$ (8,741,742.97)	\$ 5,263,174.92	\$ 0.00
Westlands WD DD #2 4/	\$ -	\$ -	\$ 14	\$ 14				\$ 13.71
Direct Pumping Total (Direct Cost)	\$ (196,485)	\$ 4,138,087	\$ 7,930	\$ 3,949,532	\$ -	\$ (10,383,301.04)	\$ 5,253,028.84	\$ (1,180,739.98)
Grand Total	\$ 1,534,894	\$ 9,072,680	\$ (2,119,233)	\$ 8,488,341	\$ (2,245,718.12)	\$ (10,383,301.04)	\$ 5,253,028.84	\$ 1,112,350.97

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Ref				SUM(B:D)			See Sch B-1	SUM(E:H)
Needed based on Column C								
Storage		\$ 4,378,495.08						
Direct Pumping		\$ 160,313.99						
		<u>\$ 4,538,809.07</u>						
Applied (offset/credit) **		\$ 2,245,718.12	49.4781%					
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	
Westlands Water District				\$ 1,816,271.40	1,816,271.40	1,816,271.40	\$ -	
Westlands Water District DD#2							\$ -	
Santa Clara Valley Water District				\$ 25,338.05	25,338.05	25,338.05	\$ -	
San Benito County Water District				\$ 30,534.02	30,534.02	30,534.02	\$ -	
Colusa County Water District				\$ 104,139.59	104,139.59	104,139.59	\$ -	
Kanawha Water District				\$ 22,907.76	22,907.76	22,907.76	\$ -	
Orland-Artois Water District				\$ 18,287.22	18,287.22	18,287.22	\$ -	
San Luis Water District				\$ 228,240.08	228,240.08	228,240.08	\$ -	
Total			\$ -	\$ 2,245,718.12	\$ 2,245,718.12	\$ 2,245,718.12	\$ -	

* 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).

Footnotes

1/ Allocation of Gianelli, WR Pump Generator

	Total	San Benito County WD	Santa Clara Valley WD		
2017 Storage Deliveries (Excludes 215 Water)	8,387	6,732	1,655		
Ratios	1.00000	0.80267	0.19733		
2016 Storage Deliveries (for True-Up)	3,688	3,688	-		
Ratios	1.00000	1.00000	-		
				All Other Storage Contractors	Total
Gianelli, WR Pump Generator (2017 Estimate)	\$ 68,154.51	\$ 54,705.58	\$ 13,448.93	\$ 5,633,311.11	\$ 5,701,465.62
Gianelli, WR Pump Generator (2016 True-Up)	\$ 407.69	\$ 407.69	\$ -	\$ (2,103,032.04)	\$ (2,102,624.36)

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Ref				SUM(B:D)			See Sch B-1	SUM(E:H)
2/ Allocation of Other PUE storage costs								
		San Felipe Unit (Storage)		All Other Contractors				
	Total	San Benito County WD	Santa Clara Valley WD		Total			
2017 Storage Deliveries (Excludes 215 Water)	8,387	6,732	1,655	1,841,687	1,850,074			
Ratios	0.00453	0.80267	0.19733	0.99547	1.00000			
2016 Storage Deliveries (for True-Up)	3,688	3,688	-	982,737	986,425			
Ratios	0.00374	1.00000	-	0.99626	1.00000			
Other PUE Offset Storage Cost (2017 Estimate)	\$ 837.58	\$ 672.30	\$ 165.28	\$ 184,057.31	\$ 184,894.89			
Other PUE Offset Storage Cost (2016 True-Up)	\$ 1.30	\$ 1.30	\$ -	\$ 347.49	\$ 348.79			
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)	\$ 46,103.06	\$ 37,005.54	\$ 9,097.52					
Pacheco PP (2016 True-Up)	\$ 141.29	\$ 141.29	\$ -					
4/ Allocation of Pleasant Valley PP, Pleasant Valley Relifts, & Westlands WD Relifts								
	Total	Westlands WD DD	Westlands WD DD #2					
2017 Storage Deliveries (Excludes 215 Water)	684,491	684,491	-					
Ratios	1.00000	1.00000	-					
2016 Storage Deliveries (for True-Up)	78,459	78,249	210					
Ratios	1.00000	0.99732	0.00268					
2017 Estimate								
Pleasant Valley PP	\$ 580,432.66	\$ 580,432.66	\$ -					
Pleasant Valley Relifts	\$ 63,132.98	\$ 63,132.98	\$ -					
Westlands WD Relifts	\$ 2,544,603.93	\$ 2,544,603.93	\$ -					
Total	\$ 3,188,169.58	\$ 3,188,169.58	\$ -					
2016 True-Up								
Pleasant Valley PP (True-Up)	\$ 534.53	\$ 533.09	\$ 1.43					
Pleasant Valley Relifts (True-Up)	\$ 124.83	\$ 124.50	\$ 0.33					
Westlands WD Relifts (True-Up)	\$ 4,454.76	\$ 4,442.82	\$ 11.94					
Total (True-Up)	\$ 5,114.11	\$ 5,100.41	\$ 13.71					

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Note: Storage Expense Allocation

2017 Estimate

Gianelli, WR Pump Generator
Other PUE Offset Storage Cost
Regeneration Credit for FY 2017
Total PUE Offset Storage Cost

San Felipe Unit Contractors	All Other Contractors	Total
\$ -	\$ 5,633,311.11	\$ 5,633,311.11
\$ 837.58	\$ 184,057.31	\$ 184,894.89
	\$ (1,006,149.29)	\$ (1,006,149.29)
\$ 837.58	\$ 4,811,219.13	\$ 4,812,056.71

2016 True-Up

Gianelli, WR Pump Generator
Other PUE Offset Storage Cost
Regeneration Credit for FY 2016
Total PUE Offset Storage Cost

\$ -	\$ (2,103,032.04)	\$ (2,103,032.04)
\$ 1.30	\$ 347.49	\$ 348.79
	\$ (21,920.88)	\$ (21,920.88)
\$ 1.30	\$ (2,124,605.43)	\$ (2,124,604.13)

5/ Westlands WD charge adjustment:	
PUE surplus applied to Water Revenues	\$ 3,461,892.51
PUE surplus applied to M&I PUE deficit	\$ 1,904.85
PUE surplus applied to DD#2 FY 2017 Water Revenues	\$ 1,344.53
Refund	\$ 1,798,033.02
	<u>\$ 5,263,174.91</u>