

M&I 2019 Sch B-6 F.Z23.xlsx
08/25/2020

CENTRAL VALLEY PROJECT
SCHEDULE OF MUNICIPAL AND INDUSTRIAL OPERATION & MAINTENANCE EXPENSE
BY FACILITY AND/OR COMPONENT FOR FY 2019

A	B	C	D
Component/Facility/Contractor	Reimbursable O&M Expense	Project Use Energy XO&M	Total Reimbursable Cost
Ref	<Financial Statement>	<Meter Cost>	(B+C)
<u>Routine O&M</u>			
Storage			
American River	\$ 23,756.06		\$ 23,756.06
Black Butte Dam & Reservoir	\$ 81,491.49		\$ 81,491.49
Clear Creek Tunnel	\$ 4,899.67		\$ 4,899.67
Safety, Security, Law Enforcement (SSLE)	\$ 656,928.49		\$ 656,928.49
Columbia-Mowry System	\$ 44,690.53	\$ 313.11	\$ 45,003.64
Delta Cross Channel	\$ 19,742.79		\$ 19,742.79
Folsom Dam & Reservoir	\$ 45,157.12		\$ 45,157.12
Folsom Pipelines	\$ 25,380.58		\$ 25,380.58
Folsom Pumping Plant	\$ 23,149.37	\$ 3,791.04	\$ 26,940.40
Folsom Complex	\$ 75,338.21		\$ 75,338.21
Folsom Garage	\$ 11,304.58		\$ 11,304.58
Folsom Plant Maint Draw	\$ 1,451.39		\$ 1,451.39
Friant Dam & Reservoir	\$ 206,461.35	\$ 1,040.53	\$ 207,501.88
Friant Dam RAX 645 Drum Gate repair	\$ 13,193.66		\$ 13,193.66
Gianelli, WR Pumping-Generating Plant	\$ 420,656.99	\$ 60,855.31	\$ 481,512.30
Regenerating Credit	\$ -	\$ (32,741.89)	\$ (32,741.89)
San Felipe Unit 2/	\$ (115,171.68)	\$ -	\$ (115,171.68)
ClairHill, CA Whiskeytown Dam	\$ 35,733.91		\$ 35,733.91
Nimbus Dam & Reservoir	\$ 84,010.90		\$ 84,010.90
Sacramento River	\$ 7,802.75		\$ 7,802.75
San Joaquin River	\$ 7,466.45		\$ 7,466.45
Shasta Dam & Reservoir	\$ 262,408.64	\$ 8,057.69	\$ 270,466.33
Coleman Fish Hatchery	\$ 498,922.54		\$ 498,922.54
CNFH Fish Scrn	\$ 4,185.64		\$ 4,185.64
Sisk, BF San Luis Dam & Reservoir	\$ 755,133.07		\$ 755,133.07
Spring Creek Tunnel	\$ 12.87		\$ 12.87
Trinity Dam & Clair Eagle	\$ 14,981.98		\$ 14,981.98
Rax 577 -Dxc Gear repair	\$ 33,005.23		\$ 33,005.23
RAX 597 Demo Civil Maint Bldg	\$ 70.05		\$ 70.05
Incremental Revenues	\$ (18,224.40)		\$ (18,224.40)
Warren Act Contractor Revenues	\$ (297,304.25)		\$ (297,304.25)
Total Storage Costs	\$ 2,926,635.97	\$ 41,315.78	\$ 2,967,951.75

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Component/Facility/Contractor	Reimbursable O&M Expense	Project Use Energy XO&M	Total Reimbursable Cost
Ref	<Financial Statement>	<Meter Cost>	(B+C)
B. F. Sisk San Luis Dam and Reservoir - XO&M	\$ 3,827.40		\$ 3,827.40
W. R. Gianelli Pump-Generating Plant - XO&M	\$ 4,498,056.44		\$ 4,498,056.44
Folsom Switchyard - XO&M	\$ 9,313.72		\$ 9,313.72
Spring Creek Powerplant - XO&M	\$ 2,372.81		\$ 2,372.81
Gianelli Pump/Turbine Casing - XO&M	\$ 691,013.74		\$ 691,013.74
San Felipe Unit - XO&M	\$ (1,420,715.52)		\$ (1,420,715.52)
Total Storage Costs XO&M	\$ 3,783,868.59	\$ -	\$ 3,783,868.59
Conveyance and Drainage			
Folsom-South Canal	\$ 74,830.75		\$ 74,830.75
Warren Act Contractor Revenues	\$ (53,223.52)		\$ (53,223.52)
Total Conveyance and Drainage Costs	\$ 21,607.23	\$ -	\$ 21,607.23
Direct Costs (Pumping & Other)			
Contra Costa PP	\$ -	\$ 58,304.78	\$ 58,304.78
Colusa CWD (Incl. Arb./Will O&M Office)	\$ -	\$ 171.24	\$ 171.24
Kanawha WD	\$ -	\$ 6.93	\$ 6.93
San Luis Canal - Fresno			
Westlands WD Relifts	\$ -	\$ 1,227.86	\$ 1,227.86
Westlands WD/Pleasant Valley PP	\$ -	\$ 7,958.37	\$ 7,958.37
San Luis WD Relifts	\$ -	\$ 1,011.36	\$ 1,011.36
Wintu PP	\$ -	\$ 8,541.69	\$ 8,541.69
San Felipe Unit			
San Benito County WD			
Gianelli, WR PGP 2/	\$ 13,249.35	\$ -	\$ 13,249.35
Gianelli, WR PGP - XO&M 2/	\$ 163,439.11	\$ 12,476.24	\$ 175,915.35
Pacheco PP - Power 3/	\$ -	\$ 7,074.28	\$ 7,074.28
Santa Clara Valley WD			
Coyote PP - Power	\$ -	\$ 11,897.56	\$ 11,897.56
Gianelli, WR PGP 2/	\$ 101,922.33	\$ -	\$ 101,922.33
Gianelli, WR PGP - XO&M	\$ 1,257,276.41	\$ 95,979.60	\$ 1,353,256.01
Pacheco PP - Power 3/	\$ -	\$ 54,419.82	\$ 54,419.82
Toyon Pipeline			
City of Shasta Lake	\$ 197,242.68	\$ 158.25	\$ 197,400.93
Total Direct Costs (Pumping & Other)	\$ 1,733,129.88	\$ 259,227.98	\$ 1,992,357.86

**CENTRAL VALLEY PROJECT
SCHEDULE OF MUNICIPAL AND INDUSTRIAL OPERATION & MAINTENANCE EXPENSE
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A	B	C	D
Component/Facility/Contractor	Reimbursable O&M Expense	Project Use Energy XO&M	Total Reimbursable Cost
Ref	<Financial Statement>	<Meter Cost>	(B+C)
Water Marketing 1/			
Allocated Water Marketing Costs	\$ 2,902,386.55		\$ 2,902,386.55
215 Water Revenue	\$ (5,593.08)		\$ (5,593.08)
Warren Act Revenues	\$ (167,116.54)		\$ (167,116.54)
Temporary Revenues	\$ (514,802.25)		\$ (514,802.25)
Total Water Marketing	\$ 2,214,874.68	\$ -	\$ 2,214,874.68
Total Costs To Be Allocated as Current Year O&M	\$ 10,680,116.36	\$ 300,543.76	\$ 10,980,660.12
<u>COSTS TO BE DIRECT BILLED</u>			
Conveyance			
DMC Regulatory Actions	\$ 5,650.94		\$ 5,650.94
Delta-Mendota Canal	\$ 242.40		\$ 242.40
Tracy Switchyard	\$ 17.41		\$ 17.41
Red Bluff Diversion Dam & PP	\$ 4.43		\$ 4.43
Tehama-Colusa Canal	\$ 1,561.29		\$ 1,561.29
Tehama-Colusa Canal Fish Facility	\$ 9.71		\$ 9.71
Warren Act Contractor Revenues	\$ -		\$ -
Total Conveyance Costs To Be Direct Billed	\$ 7,486.18	\$ -	\$ 7,486.18
San Luis Canal - XO&M	\$ 44,929.88		\$ 44,929.88
Red Bluff Dam - XO&M	\$ 722.33		\$ 722.33
Total Conveyance Costs XO&M	\$ 45,652.21	\$ -	\$ 45,652.21
Conveyance Pumping			
Dos Amigos Pumping Plant & Switchyard	\$ -	\$ 6,369.14	\$ 6,369.14
O'Neill Pumping-Generating Plant	\$ 1,145.24	\$ 30,820.01	\$ 31,965.25
Regenerating Credit	\$ -	\$ (572.85)	\$ (572.85)
Jones Pumping Plant RAX	\$ 597,082.42	\$ 182,312.16	\$ 779,394.57
Tracy Admin Bld RAX 610 Bld & HVAC rehab	\$ 8,586.84		\$ 8,586.84
Total Conveyance Pumping Costs To Be Direct Billed	\$ 606,814.49	\$ 218,928.46	\$ 825,742.95
Dos Amigos Pumping Plant	\$ 20,639.46		\$ 20,639.46
Total Conveyance Costs XO&M	\$ 20,639.46	\$ -	\$ 20,639.46
Grand Total	\$ 11,360,708.69	\$ 519,472.21	\$ 11,880,180.91

CENTRAL VALLEY PROJECT
SCHEDULE OF MUNICIPAL AND INDUSTRIAL OPERATION & MAINTENANCE EXPENSE
BY FACILITY AND/OR COMPONENT FOR FY 2019

Footnotes

1/ Financial Statement Costs are taken from Schedules 22 & 25 of the 2019 CVP Consolidated Financial Statement (F/S). For certain facilities, the power costs have been isolated and shown under "Project Use Energy". FY 2019 O&M Expenses are as follows:

	Joint Expense Recorded in F/S Sch 25	Over/(Under) Distributed Costs Not in F/S Sch 25	Expenses or Credits Not Recorded in F/S Sch 25 a/	Total Per F/S Sch 22	Other Adjustments to Expense b/	Total Expenses	Direct Billed	Total Reimbursable Expenses to be Allocated per Ratesetting
Storage	\$ 4,044,299.97		\$ 132,747.00	\$ 4,177,046.97	\$ 2,574,773.38	\$ 6,751,820.35	\$ -	\$ 6,751,820.35
Carriage	\$ 619,073.08		\$ 456,285.09	\$ 1,075,358.17	\$ 1,838,127.71	\$ 2,913,485.88	\$ 899,520.79	\$ 2,013,965.09
Water Marketing (Includes G&A)	\$ 2,873,965.21	28,421.34	\$ 197,897.14	\$ 3,100,283.69	\$ (885,409.01)	\$ 2,214,874.68	\$ -	\$ 2,214,874.68
Other	\$ -		\$ 3,038.03	\$ 3,038.03	\$ (3,038.03)	\$ -	\$ -	\$ -
Interest on Investment	\$ -		\$ 942,417.12	\$ 942,417.12	\$ (942,417.12)	\$ -	\$ -	\$ -
Financial Statement Balance	<u>\$ 7,537,338.25</u>	<u>\$ 28,421.34</u>	<u>\$ 1,732,384.38</u>	<u>\$ 9,298,143.97</u>	<u>\$ 2,582,036.93</u>	<u>\$ 11,880,180.91</u>	<u>\$ 899,520.79</u>	<u>\$ 10,980,660.12</u>

a/ Detail of financial statement expenses or credits in Schedule 22 but not recorded in the Multipurpose Expense Schedule 25.

<u>Storage</u>	<u>Carriage</u>	<u>Water Marketing</u>	<u>Other</u>
Folsom Dam (E214)	132,747.00 Folsom South Canal (0353)	\$ 456,285.09 Toyon Pipeline (1741)	\$ 197,897.14 Shasta Pipeline (1741)
			Other
			\$ (654.46)
			\$ 3,692.49
			<u>Interest on Investment (0214)</u>
			\$ 942,417.12

b/ Detail of Ratesetting O&M Expense Adjustments to Reconcile with F/S Schedule 22:

Storage:

Folsom Dam (E214) Interest On Investment	\$ (132,747.00)	Total
Gianelli WR PGP costs moved to Direct Pumping	\$ (115,171.68)	
Sacramento River (0725) moved from Carriage	\$ 5,917.64	
Gianelli Pump/Turbine Casing - XO&M moved to Direct Pumping (SF Unit)	\$ (1,420,715.52)	
O'Neil Intake Power Program Services moved to Carriage	\$ (1,145.24)	
Red Bluff Dam XO&M moved to Carriage	\$ (722.33)	
Incremental Revenues O&M	\$ (18,224.40)	
Warren Act Contractor revenues - O&M portion	\$ (297,304.25)	
Extraordinary O&M PUE	\$ 41,315.78	
Extraordinary O&M	\$ 4,513,570.37	
		\$ 2,574,773.38

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Footnotes

Carriage:

Toyon Pipeline moved from Water Marketing	\$ 197,897.14	
Shasta Pipeline moved from Other	\$ (654.46)	
Gianelli WR PGP costs moved from Storage	\$ 115,171.68	
Folsom South Canal - In Abeyance (83.6%)	\$ (381,454.34)	
Folsom-South Canal - Warren Act Contractor Revenues - O&M portion	\$ (53,223.52)	
O'Neil Intake Power Program Services moved from storage	\$ 1,145.24	
Extraordinary O&M	\$ 65,569.34	
Extraordinary O&M PUE	\$ 478,156.43	
Gianelli Pump/Turbine Casing - XO&M moved from storage (SF Unit)	\$ 1,420,715.52	
Sacramento River (0725) moved to Storage	\$ (5,917.64)	
Red Bluff Dam XO&M moved from Storage	\$ 722.33	
Warren Act Contractor revenues - O&M portion	\$ -	
		\$ 1,838,127.71

Water Marketing:

Toyon Pipeline moved to Carriage	\$ (197,897.14)	
215 Water Revenue	\$ (5,593.08)	
Warren Act Contractor revenues - O&M portion	\$ (167,116.54)	
Temporary Rate Revenues	\$ (514,802.25)	
		\$ (885,409.01)

Other

Shasta Pipeline moved to Carriage	\$ 654.46	
Other	\$ (3,692.49)	
		\$ (3,038.03)

Interest on Investment

Total		\$ (942,417.12)
		\$ 2,582,036.93

c/ Includes General and Administrative Expenses.

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Footnotes

2/ Determination of FY 2019 Gianelli, WR Pump Generator "Storage" and "Direct Pumping" costs allocated to the San Felipe Unit are as follows:

	San Felipe Unit (Storage)		All Other Storage Contractors	Total
	Total	Direct Pumping Applicable To Gianelli, WR Pump Generator		
		San Benito	Santa Clara	
2019 Storage Deliveries (A/F)	105,333	12,117	93,216	384,720
Ratios	0.27379	0.11504	0.88496	1.00000
Allocated Gianelli, WR Pump Generator Costs (Excludes Regeneration Credit) - 2019:				
Direct Costs	\$ 115,171.68	\$ 13,249.35	\$ 101,922.33	\$ 420,656.99
Direct Costs - XO&M	\$ 1,420,715.52	\$ 163,439.11	\$ 1,257,276.41	\$ 5,189,070.18
Project Use Energy Costs	\$ 108,455.84	\$ 12,476.24	\$ 95,979.60	\$ 60,855.31

Note: Storage Expense Allocation

(The following calculations are provided for use on Schedule of CVP Allocated Municipal and Industrial Storage Expense)

	San Felipe Unit			Total
	Other Storage Expense	Direct Pumping Gianelli, WR PGP	All Other Contractors	
Allocated Gianelli, WR PGP Costs:				
Direct Costs (see 2/ above)		\$ 115,171.68	\$ 305,485.31	\$ 420,656.99
Direct Costs - XO&M (see 2/ above)		\$ 1,420,715.52	\$ 3,768,354.66	\$ 5,189,070.18
PUE Costs/Excludes Regenerating Credit (see pg 1)		\$ 108,455.84	\$ 60,855.31	\$ 169,311.15
Regeneration Credit			\$ (32,741.89)	\$ (32,741.89)
Direct Pumping Expense		\$ 1,644,343.04		\$ (1,644,343.04)
Sub-total				\$ 4,101,953.39
Storage O&M Expense	\$ 725,507.07		\$ 1,924,359.88	\$ 2,649,866.95
Total Allocable Storage Expense	\$ 725,507.07		\$ 6,026,313.27	\$ 6,751,820.35
Reconciliation of Storage Costs				
O&M Allocated to all contractors (Schedule B-4A)				\$ 2,967,951.75
Extraordinary O&M (schedule B-1C)				\$ 3,783,868.59
Total Storage Costs To Be Allocated				\$ 6,751,820.35

3/ Allocation of Pacheco Pumping Plant costs - Allocation is based on same water delivery ratios as shown in 2/ above.

Total	San Benito County WD	Santa Clara Valley WD
\$ 61,494.10	\$ 7,074.28	\$ 54,419.82