



IRR 2019 Sch B-6 F.Z23
08/24/2020

CENTRAL VALLEY PROJECT
SCHEDULE OF IRRIGATION OPERATION & MAINTENANCE EXPENSE AND PROJECT USE ENERGY COST
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)
Routine O&M			
Storage 1/			
American River	\$ 174,822.26		\$ 174,822.26
Black Butte Dam & Reservoir	\$ 828,496.80		\$ 828,496.80
Buchanan Reservoir	\$ 650,975.60		\$ 650,975.60
Clear Creek Tunnel	\$ 36,047.59		\$ 36,047.59
Safety, Security, Law Enforcement (SSLE)	\$ 4,836,372.98		\$ 4,836,372.98
Columbia-Mowry System	\$ 207,259.24	\$ 1,972.00	\$ 209,231.24
Delta Cross Channel	\$ 91,560.23		\$ 91,560.23
Folsom Dam & Reservoir	\$ 332,313.96		\$ 332,313.96
Folsom Pipelines	\$ 186,777.25		\$ 186,777.25
Folsom Pumping Plant	\$ 170,357.59	-	\$ 170,357.59
Folsom Complex	\$ 554,418.41		\$ 554,418.41
Folsom Garage	\$ 83,191.10		\$ 83,191.10
Folsom Plant Maint Draw	\$ 10,680.86		\$ 10,680.86
Friant Dam & Reservoir	\$ 1,520,942.56	-	\$ 1,520,942.56
Friant Dam RAX 645 Drum Gate repair	\$ 97,193.97		\$ 97,193.97
Gianelli, WR Pumping-Generating Plant	\$ 566,425.20	\$ 454,106.28	\$ 1,020,531.48
Regenerating Credit	\$ -	\$ (244,322.09)	\$ (244,322.09)
San Felipe Unit 2/	\$ (6,723.46)	-	\$ (6,723.46)
ClairHill, CA Whiskeytown Dam	\$ 262,874.76		\$ 262,874.76
Hidden Reservoir	\$ 258,970.00		\$ 258,970.00
New Melones Dam & Reservoir	\$ 115,288.27	-	\$ 115,288.27
Nimbus Dam & Reservoir	\$ 618,109.21		\$ 618,109.21
Sacramento River	\$ 428,948.44		\$ 428,948.44
San Joaquin River	\$ 55,003.27		\$ 55,003.27
Shasta Dam & Reservoir	\$ 1,933,602.88	\$ 18,724.03	\$ 1,952,326.91
Coleman Fish Hatchery	\$ 3,673,280.00		\$ 3,673,280.00
CNFH Fish Scrn	\$ 30,816.48		\$ 30,816.48
Sisk, BF San Luis Dam & Reservoir	\$ 1,016,805.63		\$ 1,016,805.63
Spring Creek Tunnel	\$ 109.37		\$ 109.37
Tri-Dam Tulloch Dam & Reservoir	\$ 33,277.04		\$ 33,277.04
Trinity Dam & Reservoir	\$ 110,126.48		\$ 110,126.48
Rax 577 -Dxc Gear repair	\$ 153,066.83		\$ 153,066.83
Rax 597 -Demo Civil Maint Bldg	\$ 94.33		\$ 94.33
Warren Act Contractor Revenues	\$ (650,708.82)		\$ (650,708.82)
Incremental Revenues	\$ (280,869.30)		\$ (280,869.30)
Distributed Costs	\$ 614,471.82		\$ 614,471.82
Total Storage Costs	\$ 18,714,378.82	\$ 230,480.22	\$ 18,944,859.04

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Ref	<Financial Statement>	<Meter Cost>	(B+C)
B. F. Sisk San Luis Dam and Reservoir - XO&M	\$ 5,153.69		\$ 5,153.69
W. R. Gianelli Pump-Generating Plant - XO&M	\$ 6,038,176.70		\$ 6,038,176.70
Gianelli, WR PGP/Turbine Casing - XO&M	\$ 930,467.35		\$ 930,467.35
San Felipe Unit - XO&M	\$ (82,717.80)		\$ (82,717.80)
Total Storage Costs XO&M	\$ 6,891,079.93	\$ -	\$ 6,891,079.93
Conveyance and Drainage			
San Luis Drain			
Kesterson Reservoir 3/	\$ -		\$ -
Total Conveyance and Drainage Costs	\$ -	\$ -	\$ -
Direct Costs (Pumping & Other)			
Contra Costa PP	\$ -	\$ -	\$ -
Colusa CWD (Incl. Arb./Will O&M Office)	\$ -	\$ 31,591.22	\$ 31,591.22
Kanawha WD	\$ -	\$ 3,237.50	\$ 3,237.50
Orland-Artois WD	\$ -	\$ 7,672.81	\$ 7,672.81
San Luis WD Relifts	\$ -	\$ 53,166.81	\$ 53,166.81
Glenn Valley WD	\$ -		\$ -
Cross Valley Canal: Dos Amigos PP & State Delta PP 5/			
County of Fresno	\$ -	\$ 587.64	\$ 587.64
County of Tulare	\$ -	\$ 1,080.89	\$ 1,080.89
Hills Valley ID	\$ -	\$ 656.58	\$ 656.58
Kern-Tulare ID	\$ -	\$ 29,226.38	\$ 29,226.38
Lower Tule River ID - CVC	\$ -	\$ 5,131.97	\$ 5,131.97
Pixley ID	\$ -	\$ 6,190.70	\$ 6,190.70
Tri-Valley ID	\$ -	\$ 224.06	\$ 224.06
Corning WD	\$ -	\$ 5,160.36	\$ 5,160.36
Dunnigan WD	\$ -	\$ 648.10	\$ 648.10
Westside WD	\$ -	\$ 2,051.95	\$ 2,051.95
Proberta WD	\$ -	\$ 35.05	\$ 35.05
San Luis Canal - Fresno			
Westlands WD Relifts	\$ -	\$ 344,655.27	\$ 344,655.27
Pleasant Valley PP - Power and O&M	\$ -	\$ 77,506.25	\$ 77,506.25
Westlands WD/Pleasant Valley PP	\$ -	\$ 8,212.79	\$ 8,212.79
Panoche WD - SLC	\$ -	\$ 15.20	\$ 15.20
Wintu PP	\$ -	\$ 4,624.73	\$ 4,624.73
City of Shasta Lake (Shasta PP)	\$ -	\$ -	\$ -

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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)
San Felipe Unit			
San Benito County WD			
Gianelli, WR PGP 2/	\$ 2,309.17		\$ 2,309.17
Gianelli, WR PGP - XO&M 2/	\$ 28,409.43	\$ 8,856.00	\$ 37,265.43
Pacheco PP - Power 3/	\$ -	\$ 5,021.33	\$ 5,021.33
Santa Clara Valley WD			
Coyote PP - Power	\$ -	\$ 2,098.56	\$ 2,098.56
Gianelli, WR PGP 2/	\$ 4,414.29		\$ 4,414.29
Gianelli, WR PGP - XO&M 2/	\$ 54,308.37	\$ 16,929.46	\$ 71,237.83
Pacheco PP - Power 3/	\$ -	\$ 9,598.94	\$ 9,598.94
Total Direct Costs (Pumping & Other)	\$ 89,441.26	\$ 624,180.53	\$ 713,621.79
Water Marketing 1/			
Allocated Water Marketing Costs	\$ 19,913,217.74		\$ 19,913,217.74
215 Water Revenue	\$ (489,975.05)		\$ (489,975.05)
Warren Act Revenues	\$ (535,670.32)		\$ (535,670.32)
Temporary Revenues	\$ (985,585.30)		\$ (985,585.30)
Total Water Marketing Costs	\$ 17,901,987.07	\$ -	\$ 17,901,987.07
Total Costs To Be Allocated as Current Year O&M			
	\$ 43,596,887.08	\$ 854,660.75	\$ 44,451,547.83

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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)
<u>COSTS TO BE DIRECT BILLED</u>			
Conveyance			
DMC Regulatory Actions	\$ 53,745.50		\$ 53,745.50
Delta-Mendota Canal	\$ 2,305.44		\$ 2,305.44
Tracy Switchyard	\$ 165.58		\$ 165.58
Red Bluff Diversion Dam & PP	\$ 334.25		\$ 334.25
Tehama-Colusa Canal Fish Facility	\$ 689.44		\$ 689.44
Tehama-Colusa Canal	\$ 110,865.41		\$ 110,865.41
Warren Act Revenues	\$ -		\$ -
Distributed Costs	\$ 177,323.86		\$ 177,323.86
Total Conveyance Costs To Be Direct Billed	\$ 345,429.49	\$ -	\$ 345,429.49
San Luis Canal - XO&M	\$ 1,095,422.38		\$ 1,095,422.38
Red Bluff Dam - XO&M	\$ 54,447.25		\$ 54,447.25
Total Conveyance Costs To Be Direct Billed XO&M	\$ 1,149,869.63	\$ -	\$ 1,149,869.63
Conveyance Pumping			
Corning Pumping Plant	\$ -	\$ 15,481.26	\$ 15,481.26
Dos Amigos Pumping Plant & Switchyard	\$ -	\$ 413,822.08	\$ 413,822.08
O'Neill Pumping-Generating Plant	\$ 58,224.15	\$ 215,848.04	\$ 274,072.19
Regenerating Credit	\$ -	\$ (4,011.97)	\$ (4,011.97)
State Delta PP - In Lieu of Tracy	\$ -		\$ -
Jones Pumping Plant RAX	\$ 3,656,041.13	\$ 1,574,678.09	\$ 5,230,719.22
Tracy Admin Bldg Rehab Replace HVAC Sys	\$ 106,648.91		\$ 106,648.91
Warren Act Revenues	\$ -		\$ -
Total Conveyance Pumping Costs To Be Direct Billed	\$ 3,820,914.20	\$ 2,215,817.50	\$ 6,036,731.70
Dos Amigos Pumping Plant - XO&M	\$ 469,196.95		\$ 469,196.95
Total Conveyance Pumping Costs XO&M	\$ 469,196.95	\$ -	\$ 469,196.95
Grand Total	\$ 49,382,297.35	\$ 3,070,478.25	\$ 52,452,775.60

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SCHEDULE OF IRRIGATION OPERATION & MAINTENANCE EXPENSE AND PROJECT USE ENERGY COST
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Footnotes

1/ Financial Statement Costs are taken from Schedules 19 & 25 of the 2019 CVP Consolidated Financial Statement (F/S). FY 2019, O&M Expenses are as follows:

	<u>Joint Expense/ F/S Schedule 25</u>	<u>Over/Under Distributed Costs Not in F/S Sch 25</u>	<u>Expenses Not in F/S Schedule 25</u>	<u>Total Per F/S Schedule 19</u>	<u>Other Adjs. to Expense</u>	<u>Total Expense</u>	<u>Direct Billed</u>	<u>Reimbursable Alloc. Expenses/ Ratesetting</u>
			1a/ \$ 893,076.15		1b/ \$ 5,577,195.24			
Storage	\$ 18,751,195.76	\$ 614,471.82	\$ 893,076.15	\$ 20,258,743.73	\$ 5,577,195.24	\$ 25,835,938.97	\$ -	\$ 25,835,938.97
Carriage	\$ 4,351,001.64	\$ 177,323.86	\$ -	\$ 4,528,325.50	\$ 4,186,524.06	\$ 8,714,849.56	\$ 8,001,227.77	\$ 713,621.79
Water Marketing (Included G&A)	\$ 19,913,252.11	\$ -	\$ 16,835.08	\$ 19,930,087.19	\$ (2,028,100.12)	\$ 17,901,987.07	\$ -	\$ 17,901,987.07
Miscellaneous	\$ -	\$ -	\$ 2,556.57	\$ 2,556.57	\$ (2,556.57)	\$ -	\$ -	\$ -
Non-Reimbursable Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Financial Statement Balance	\$ 43,015,449.51	\$ 791,795.68	\$ 912,467.80	\$ 44,719,712.99	\$ 7,733,062.61	\$ 52,452,775.60	\$ 8,001,227.77	\$ 44,451,547.83

1a/ Detail of Financial Statement expenses or credits in Schedule 19 but not in Schedule 25:

<u>Storage</u>	<u>Carriage</u>	<u>Administrative & General</u>	<u>Water Marketing</u>
Hidden & Buchanan Reservoirs (0214) \$ 893,076.15	Kesterson Reservoir (0805)	San Luis Div. (0805) \$ (34.37)	Hidden & Buchan Unit (1785) \$ 16,869.45
		Non-Reimbursable Expenses	
		Summer-Peck Setmt Paymt (805)	\$ -

1b/ Detail of Ratesetting O&M Expense Adjustments to Reconcile with F/S Schedule 19:

Storage:			
Gianelli WR PGP (0805) costs moved to Carriage	\$ (6,723.46)		
Gianelli, WR PGP/Turbine Casing -XO&M (1910) costs moved to Carriage	\$ (82,717.80)		
Hidden & Buchan Unit (1785) moved from water marketing	\$ 16,869.45		
O'Neill Intake Power Program Services moved to Carriage	\$ (58,224.15)		
Red Bluff Dam XO&M moved to Carriage	\$ (54,447.25)		
Sacramento River (0725) moved from carriage	\$ 420,205.97		
Extraordinary O&M	\$ 6,043,330.38		
Extraordinary O&M PUE	\$ 230,480.22		
Incremental Revenues O&M	\$ (77,545.62)		
Incremental Revenues O&M FY 2018	\$ (203,323.68)		
Warren Act Contractor revenues - O&M portion	\$ (650,708.82)		
		\$ 5,577,195.24	
Carriage:			
Gianelli WR PGP costs moved from Storage	\$ 6,723.46		
Gianelli, WR PGP/Turbine Casing -XO&M costs moved from Storage	\$ 82,717.80		
O'Neill Intake Power Program Services moved from storage	\$ 58,224.15		
Red Bluff Dam XO&M moved from Storage	\$ 54,447.25		
Sacramento River (0725) moved to Storage	\$ (420,205.97)		
Extraordinary O&M	\$ 1,564,619.33		
Extraordinary O&M PUE	\$ 2,839,998.03		
Conveyance Pumping XO&M Incremental Revenues	\$ -		
Warren Act Contractor revenues - O&M portion	\$ -		
		\$ 4,186,524.06	
Water Marketing:			
Hidden & Buchan Unit (1785) moved to storage	\$ (16,869.45)		
215 Water Revenue - O&M portion	\$ (489,975.05)		
Warren Act Contractor revenues - O&M portion	\$ (535,670.32)		
Temporary Rate Revenues	\$ (985,585.30)		
		\$ (2,028,100.12)	
Non-Reimbursable Expenses	\$ -	\$ -	
Miscellaneous			
Maintenance - Corning Canal PP (725)	\$ (2,556.57)		
Total O&M Expense Adjustments		\$ (2,556.57)	
		\$ 7,733,062.61	

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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	San Benito County WD	Santa Clara Valley WD		
2019 Storage Deliveries (Excludes 215 Water)	25,043	8,601	16,442	2,084,804	2,109,847
Ratios	0.01187	0.34345	0.65655	0.98813	1.00000
Allocated Gianelli, WR Pump Generator Costs (Excludes Regeneration Credit) - 2019:					
Direct Costs	\$ 6,723.46	\$ 2,309.17	\$ 4,414.29	\$ 559,701.73	\$ 566,425.19
Direct Costs - XO&M	\$ 82,717.80	\$ 28,409.43	\$ 54,308.37	\$ 6,885,926.24	\$ 6,968,644.04
Project Use Energy Costs	\$ 25,785.46	\$ 8,856.00	\$ 16,929.46	\$ 454,106.28	\$ 479,891.74

Note: Storage Expense Allocation

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

	San Felipe Unit		All Other Contractors	Total
	Other Storage Expense	Direct Pumping Gianelli, WR PGP		
Allocated Gianelli, WR PGP Costs:				
Direct Costs (see 2/ above)		\$ 6,723.46	\$ 559,701.73	\$ 566,425.19
Direct Costs - XO&M (see 2/ above)		\$ 82,717.80	\$ 6,885,926.24	\$ 6,968,644.04
PUE Costs/Excludes Regenerating Credit (see pg 1)		\$ 25,785.46	\$ 454,106.28	\$ 479,891.74
Regeneration Credit			\$ (244,322.09)	\$ (244,322.09)
Direct Pumping Expense		\$ 115,226.72		\$ (115,226.72)
Sub-total				\$ 7,655,412.16
Storage O&M Expense	\$ 215,802.85		\$ 17,964,723.96	\$ 18,180,526.81
Total Allocable Storage Expense	\$ 215,802.85		\$ 25,620,136.12	\$ 25,835,938.97
Reconciliation of storage costs				
O&M Allocated to all contractors (Schedule B-4A)				\$ 18,714,378.82
Extraordinary O&M (Schedule B-1C)				\$ 7,121,560.15
Total Storage Costs To Be Allocated				\$ 25,835,938.97

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

Total	San Benito County WD	Santa Clara Valley WD
\$ 14,620.27	\$ 5,021.33	\$ 9,598.94

4/ Kesterson Reservoir Cleanup Program for FY 2019 has no cost.

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5/ Deliveries are based on information provided by the Central Valley Operations Office. Costs are based on the project use energy allocation process and are provided by Accounting Services team . These costs are considered Direct Pumping for the CVC Contractors.

State Delta Pumping Plant					
2019 PUE Costs Estimate					
Contractors	Deliveries	Ratio	PUE		Total
County of Fresno	716	0.02620	\$ 215.48	\$	215.48
County of Tulare	1,317	0.04818	\$ 396.36	\$	396.36
Hills Valley ID	800	0.02927	\$ 240.76	\$	240.76
Kern-Tulare WD	10,431	0.38163	\$ 3,139.25	\$	3,139.25
Lower Tule River ID	6,253	0.22877	\$ 1,881.86	\$	1,881.86
Pixley ID	7,543	0.27597	\$ 2,270.09	\$	2,270.09
Tri-Valley WD	273	0.00999	\$ 82.16	\$	82.16
Total	27,333	100%	\$ 8,225.97		8,225.97

Dos Amigos Pumping Plant					
2019 PUE Costs Estimate					
Contractors	Deliveries	Ratio	PUE		Total
County of Fresno	716	0.01067	\$ 372.15	\$	372.15
County of Tulare	1,317	0.01963	\$ 684.53	\$	684.53
Hills Valley ID	800	0.01192	\$ 415.81	\$	415.81
Kern-Tulare WD	50,190	0.74808	\$ 26,087.13	\$	26,087.13
Lower Tule River ID	6,253	0.09320	\$ 3,250.11	\$	3,250.11
Pixley ID	7,543	0.11243	\$ 3,920.61	\$	3,920.61
Tri-Valley WD	273	0.00407	\$ 141.90	\$	141.90
Total	67,092	1.00000	\$ 34,872.24	\$	34,872.24