

IRR 2016 Sch B-6 F.Z20
08/7/2017

CENTRAL VALLEY PROJECT
SCHEDULE OF IRRIGATION OPERATION & MAINTENANCE EXPENSE AND PROJECT USE ENERGY COST
BY FACILITY AND/OR COMPONENT FOR FY 2016

A	B		C		D
Component/Facility/Contractor	Reimbursable O&M		Project Use Energy Cost		
	Expense		FY 2015 True-Up	FY 2016 Estimate thru Feb. 2016	
Ref	<Financial Statement>		<Meter Cost>		<Meter Cost>
Routine O&M					
Storage					
American River	\$	172,088.82	\$	-	\$ -
Black Butte Dam & Reservoir	\$	733,739.98	\$	-	\$ -
Buchanan Reservoir	\$	686,760.82	\$	-	\$ -
Clear Creek Tunnel	\$	11,531.65	\$	-	\$ -
Safety, Security, Law Enforcement (SSLE)	\$	989,141.85	\$	-	\$ -
Columbia-Mowry System 1b/	\$	73,601.24	\$	300.85	\$ 1,082.46
Delta Cross Channel	\$	214,758.94	\$	-	\$ -
Folsom Dam & Reservoir	\$	411,966.86	\$	-	\$ -
Folsom Pipelines	\$	199,291.62	\$	-	\$ -
Folsom Pumping Plant	\$	150,091.39	\$	-	\$ -
Folsom Pump Station Temp ByPass System	\$	-	\$	-	\$ -
Folsom Complex	\$	447,706.73	\$	-	\$ -
Folsom Garage	\$	102,319.16	\$	-	\$ -
Folsom Plant Maint Draw	\$	140,258.34	\$	-	\$ -
Friant Dam & Reservoir	\$	1,339,905.02	\$	-	\$ -
Gianelli, WR Pumping-Generating Plant	\$	1,901,665.68	\$	(918,007.40)	\$ 332,241.57
Regenerating Credit	\$	-	\$	(525,022.40)	\$ (146,069.23)
San Felipe Unit 2/	\$	(7,112.23)	\$	-	\$ -
ClairHill, CA Whiskeytown Dam	\$	255,828.95	\$	-	\$ -
Hidden Reservoir	\$	255,569.73	\$	-	\$ -
Keswick Fish Trap	\$	92,351.31	\$	-	\$ -
New Melones Dam & Reservoir	\$	126,206.84	\$	(763.35)	\$ -
Nimbus Dam & Reservoir	\$	1,602,712.20	\$	-	\$ -
Sacramento River	\$	567,836.60	\$	-	\$ -
San Joaquin River	\$	63,454.60	\$	-	\$ -

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		FY 2015 True-Up	FY 2016 Estimate thru Feb. 2016
Ref	<Financial Statement>	<Meter Cost>	<Meter Cost>
Shasta Dam & Reservoir	\$ 2,001,725.32	\$ 117,375.16	\$ 106,290.62
Coleman Fish Hatchery	\$ 1,700,282.56	\$ -	\$ -
CNFH Wtr Supp Intake Rehab	\$ 1,201.66	\$ -	\$ -
CNFH Fish Scrn	\$ 778,141.86	\$ -	\$ -
Sisk, BF San Luis Dam & Reservoir	\$ 1,050,948.23	\$ -	\$ -
Spring Creek Tunnel	\$ 28.55	\$ -	\$ -
SSLE Guards/Surveil	\$ 2,280,588.31	\$ -	\$ -
Tri-Dam Tulloch Dam & Reservoir	\$ 27,845.01	\$ -	\$ -
Trinity Dam & Reservoir	\$ 550,280.63	\$ -	\$ -
RAX Program Management	\$ 307,404.90	\$ -	\$ -
Whiskeytown Dam	\$ 555.92	\$ -	\$ -
Rax 577 -Dxc Gear repair	\$ 216,872.46	\$ -	\$ -
Rax 597 -Demo Civil Maint Bldg	\$ 42,847.46	\$ -	\$ -
Warren Act Contractor Revenues	\$ (1,829,208.74)	\$ -	\$ -
Total Storage Costs	\$ 17,661,190.22	\$ (1,326,117.14)	\$ 293,545.41
Folsom Pump Station Temp ByPass System - XO&M	\$ 4,551,269.99		
Gianelli, WR PGP/Turbine Casing - XO&M	\$ 306,096.83		
San Felipe Unit - XO&M	\$ (1,144.80)		
Total Storage Costs XO&M	\$ 4,856,222.02	\$ -	\$ -
Conveyance and Drainage			
San Luis Drain			
Kesterson Reservoir 4/	\$ -	\$ -	\$ -
Total Conveyance and Drainage Costs	\$ -	\$ -	\$ -
Direct Costs (Pumping & Other)			
Corning Canal			
Corning WD Canalside Relift - Power	\$ -	\$ (53,632.24)	\$ 3,057.75
Proberta WD Canalside Relift - Power	\$ -	\$ (4,022.95)	\$ 100.97
Cow Creek Unit			
Wintu-Cow Creek PP - Power/Bella Vista WD	\$ -	\$ (5,963.43)	\$ 8,716.91
Cross Valley Canal: Dos Amigos PP & State Delta PP 5/			
County of Fresno	\$ -	\$ -	\$ -
County of Tulare	\$ -	\$ -	\$ -
Hills Valley ID	\$ -	\$ -	\$ -
Kern-Tulare ID	\$ -	\$ -	\$ -

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Component/Facility/Contractor	Reimbursable O&M Expense	Project Use Energy Cost	
		FY 2015 True-Up	FY 2016 Estimate thru Feb. 2016
Ref	<Financial Statement>	<Meter Cost>	<Meter Cost>
Lower Tule River ID - CVC	\$ -	\$ -	\$ -
Pixley ID	\$ -	\$ -	\$ -
Tri-Valley ID	\$ -	\$ -	\$ -
San Felipe Unit			
San Benito County WD			
Gianelli, WR PGP 2/	\$ 7,112.23	\$ 7,536.96	\$ -
Gianelli, WR PGP - XO&M	\$ 1,144.80	\$ -	\$ -
Pacheco PP - Power 3/	\$ -	\$ (47,757.07)	\$ 13,443.16
Santa Clara Valley WD			
Coyote PP - Power	\$ -	\$ -	\$ -
Gianelli, WR PGP 2/	\$ -	\$ -	\$ -
Gianelli, WR PGP - XO&M	\$ -	\$ -	\$ -
Pacheco PP - Power 3/	\$ -	\$ -	\$ -
San Luis Canal - Fresno			
Westlands WD Relifts	\$ -	\$ (466,810.22)	\$ 326,076.88
Pleasant Valley PP - Power and O&M	\$ -	\$ (36,658.43)	\$ 40,167.87
Westlands WD/Pleasant Valley PP	\$ -	\$ 9,581.81	\$ 11,117.45
San Luis Canal - Tracy			
Panoche WD Canalside Relift - Power	\$ -	\$ 536.96	\$ 283.30
San Luis WD Canalside Relift - Power	\$ -	\$ 139,738.15	\$ 92,098.55
Tehama-Colusa Canal			
Colusa County WD Canalside Relift - Power	\$ -	\$ (153,525.44)	\$ 35,482.49
Dunnigan WD Canalside Relift - Power	\$ -	\$ (3,765.32)	\$ 779.25
Kanawha WD Canalside Relift - Power	\$ -	\$ 4,527.89	\$ 3,457.60
Orland-Artois WD Canalside Relift - Power	\$ -	\$ (50,234.76)	\$ 4,796.16
Westside WD Canalside Relift - Power	\$ -	\$ 2,033.70	\$ 3,708.59
Total Direct Costs (Pumping & Other)	\$ 8,257.03	\$ (658,414.39)	\$ 543,286.94
Water Marketing 1/			
Allocated Water Marketing Costs	\$ 24,856,914.21	\$ -	\$ -
Warren Act Revenues	\$ (2,719,025.34)	\$ -	\$ -
Temporary Revenues	\$ (273,278.43)	\$ -	\$ -
Total Water Marketing Costs	\$ 21,864,610.43	\$ -	\$ -
Total Costs To Be Allocated as Current Year O&M	\$ 44,390,279.70	\$ (1,984,531.53)	\$ 836,832.35

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A	B	C	D
Component/Facility/Contractor <small>Ref</small>	Reimbursable O&M Expense <small><Financial Statement></small>	Project Use Energy Cost	
		FY 2015 True-Up <small><Meter Cost></small>	FY 2016 Estimate thru Feb. 2016 <small><Meter Cost></small>
<u>COSTS TO BE DIRECT BILLED</u>			
Conveyance			
DMC Regulatory Actions	\$ 56,425.84	\$ -	\$ -
Delta-Mendota Canal	\$ 5,005.88	\$ -	\$ -
Tracy Switchyard	\$ 12,565.35	\$ -	\$ -
Red Bluff Diversion Dam & PP	\$ 351.68	\$ -	\$ -
Stony Creek CHO	\$ -	\$ -	\$ -
Tehama-Colusa Canal Fish Facility	\$ 714.64	\$ -	\$ -
Tehama-Colusa Canal	\$ 80,975.60	\$ -	\$ -
Warren Act Revenues	\$ (156,038.98)	\$ -	\$ -
Total Conveyance Costs To Be Direct Billed	\$ -	\$ -	\$ -
Conveyance Pumping			
Corning Pumping Plant	\$ -	\$ (87,455.96)	\$ 19,269.15
Dos Amigos Pumping Plant & Switchyard	\$ -	\$ (961,260.84)	\$ 32,465.28
O'Neill Pumping-Generating Plant	\$ 28,787.02	\$ (381,349.39)	\$ 497,957.83
Regenerating Credit	\$ -	\$ (128,112.54)	\$ (19,667.30)
State Delta PP - In Lieu of Tracy	\$ -	\$ (488,577.71)	\$ -
Jones Pumping Plant/Intake & Admin Bldg	\$ -	\$ (3,833,189.25)	\$ 4,071,047.76
Warren Act Revenues	\$ (13,558.62)	\$ -	\$ -
Total Conveyance Pumping Costs To Be Direct Billed	\$ 15,228.40	\$ (5,879,945.68)	\$ 4,601,072.72
Grand Total	\$ 44,405,508.11	\$ (7,864,477.21)	\$ 5,437,905.07

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BY FACILITY AND/OR COMPONENT FOR FY 2016

Footnotes:

1/ Financial statement costs are taken from Schedules 19 & 25 of the 2016 CVP Consolidated Financial Statement (F/S). For certain facilities, the power costs have been isolated and shown under "Project Use Energy". FY 2016 O&M expenses are as follows:

	Total Per F/S Schedule 19	Other Adjs. to Expense	Total Expense with Adjustments	Direct Billed	Reimbursable Allocated Expenses/ Ratesetting
		1a/			
Storage	\$ 24,744,893.60	\$ (3,260,053.10)	\$ 21,484,840.51		\$ 21,484,840.51
Carriage	\$ 1,326,100.51	\$ (2,696,615.49)	\$ (1,370,514.98)	\$ (1,263,644.56)	\$ (106,870.42)
Water Marketing (Included G&A) *	\$ 24,877,403.18	\$ (3,012,792.75)	\$ 21,864,610.43		\$ 21,864,610.43
Kesterson Reservoir	\$ -		\$ -		\$ -
Miscellaneous	\$ -		\$ -		\$ -
Non-Reimbursable Expenses	\$ 16,716.08	\$ (16,716.08)	\$ -		\$ -
Financial Statement Balance	\$ 50,965,113.38	\$ (8,986,177.41)	\$ 41,978,935.97	\$ (1,263,644.56)	\$ 43,242,580.53

1a/ Storage:

Gianelli WR PGP (0805) costs moved to Carriage	\$ (7,112.23)	
Gianelli, WR PGP/Turbine Casing -XO&M (1910) costs moved to Carriage	\$ (1,144.80)	
Hidden & Buchan Unit (1785) moved from water marketing	\$ 67,065.64	
2015 BF Sisk San Luis Dam (0805) costs paid in 2016	\$ (2,408,104.78)	
2015 Gianelli WR PGP (0805) costs paid in 2016	\$ (808,643.53)	
O'Neill Intake Power Program Services moved to Carriage	\$ (28,787.02)	
Sacramento River (0725) moved from carriage	\$ 566,344.40	
PUE costs (FY 2016 Estimate) from "2016 PUE used in FY 2016 B-6"	\$ 293,545.41	
PUE costs (FY 2015 True up) from "2016 PUE used in FY 2016 B-6"	\$ (1,326,117.14)	
San Justo Reservoir RAX 522 Seepage Control - Out of Basin	\$ (77,720.04)	
Folsom Pump Station Temp ByPass System - XO&M	\$ 2,299,829.74	
Warren Act Contractor revenues - O&M portion	\$ (1,829,208.74)	
	\$	(3,260,053.10)

Carriage:

Gianelli WR PGP costs moved from Storage	\$ 7,112.23	
Gianelli, WR PGP/Turbine Casing -XO&M costs moved from Storage	\$ 1,144.80	
O'Neill Intake Power Program Services moved to Carriage	\$ 28,787.02	
Ground Wtr Mntg - O Dir Exp (0863) moved to Water Marketing	\$ (46,576.66)	
Sacramento River (0725) moved to Storage	\$ (566,344.40)	
Tracy PP Mitigation (CVPIA) (0863)	\$ (557,140.47)	
PUE costs (FY 2016 Estimate) from "2016 PUE used in FY 2016 B-6"	\$ 5,144,359.66	
PUE costs (FY 2015 True up) from "2016 PUE used in FY 2016 B-6"	\$ (6,538,360.07)	
Warren Act Contractor revenues - O&M portion	\$ (156,038.98)	
Warren Act Contractor revenues - O&M portion	\$ (13,558.62)	
	\$	(2,696,615.49)

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Footnotes:

Water Marketing:

Ground Wtr Mntg - O Dir Exp (0863) moved from Carriage	\$ 46,576.66	
Hidden & Buchan Unit (1785) moved to storage	\$ (67,065.64)	
Warren Act Contractor revenues - O&M portion	\$ (2,719,025.34)	
Temporary Rate Revenues	<u>\$ (273,278.43)</u>	
	\$	(3,012,792.75)

Non-Reimbursable Expenses

Total O&M Expense Adjustments	<u>\$ (16,716.08)</u>	<u>\$ (16,716.08)</u>
		<u><u>\$ (8,986,177.41)</u></u>

2/ Gianelli, WR Pump Generator - Storage & Direct Pumping Costs allocated to San Felipe Unit

	FY 2016 Deliveries	Ratio	Direct Pumping Costs	Allocable Share of PUE Costs - FY 2016 Estimate
San Benito County WD	3,688	100%	\$ 7,112.23	\$ -
Santa Clara Valley WD	-	0%	\$ -	\$ -
	<u>3,688</u>	<u>100%</u>	<u>\$ 7,112.23</u>	<u>\$ -</u>

	FY 2015 Deliveries	Ratio	Allocable Share of PUE Costs - 2015 True-up
San Benito County WD	3,508	100%	\$ 7,536.96
Santa Clara Valley WD	-	0%	\$ -
	<u>3,508</u>	<u>100%</u>	<u>\$ 7,536.96</u>

3/ Allocation of Pacheco Pumping Plant costs

	Deliveries	Ratio	Allocable Share of PUE Costs - FY 2016 Estimate
San Benito County WD	3,688	100%	\$ 13,443.16
Santa Clara Valley WD	-	0%	\$ -
	<u>3,688</u>	<u>100%</u>	<u>\$ 13,443.16</u>

	FY 2015 Deliveries	Ratio	Allocable Share of PUE Costs - 2015 True-up
San Benito County WD	3,508	100%	\$ (47,757.07)
Santa Clara Valley WD	-	0%	\$ -
	<u>3,508</u>	<u>100%</u>	<u>\$ (47,757.07)</u>

4/ Kesterson Reservoir Cleanup Program for FY 2016 has no cost.

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Footnotes:

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						
<u>Contractors</u>	2016 Estimated PUE			PUE Adj		Total
	Deliveries	Ratio	PUE	2015 True-up		
County of Fresno	-	-	\$	-	\$	-
County of Tulare	-	-	\$	-	\$	-
Hills Valley ID	-	-	\$	-	\$	-
Kern-Tulare WD	(271)	100%	\$	-	\$	-
Lower Tule River ID	-	-	\$	-	\$	-
Pixley ID	-	-	\$	-	\$	-
Tri-Valley WD	-	-	\$	-	\$	-
Total	(271)	100%	\$	-	\$	-

Dos Amigos Pumping Plant						
<u>Contractors</u>	2016 Estimated PUE			PUE Adj		Total
	Deliveries	Ratio	PUE	2015 True-up		
County of Fresno	-	-	\$	-	\$	-
County of Tulare	-	-	\$	-	\$	-
Hills Valley ID	-	-	\$	-	\$	-
Kern-Tulare WD	(271)	100%	\$	-	\$	-
Lower Tule River ID	-	-	\$	-	\$	-
Pixley ID	-	-	\$	-	\$	-
Tri-Valley WD	-	-	\$	-	\$	-
Total	(271)	100%	\$	-	\$	-