

CENTRAL VALLEY PROJECT
FY 2017 vs. FY 2018 O&M COST ESTIMATE ANALYSIS
IRRIGATION

	<u>2017 Rates</u>	<u>2018 Rates</u>	<u>Variance</u>	<u>% Change</u>	Explanation of significant decrease/ increase in cost
Storage					
Black Butte Reservoir	623,178	690,480	67,302	11%	
Buchanan Reservoir	571,217	574,865	3,648	1%	
Columbia-Mowry System	168,506	169,734	1,228	1%	
Coleman National Fish Hatchery	3,082,158	3,152,619	70,461	2%	
Delta Cross Channel	77,665	77,665	-	0%	
Folsom Dam & Reservoir	1,316,238	1,316,238	-	0%	
Folsom Pumping Plant	426,758	426,758	-	0%	
Friant Dam & Reservoir	1,350,631	1,364,020	13,389	1%	
Gianelli, WR PGP	3,818,520	4,295,041	476,521	12%	
Less: Gianelli Credit	(3,429,473)	(3,168,149)	261,324	-8%	
Hidden Reservoir	221,946	220,281	(1,665)	-1%	
Hill, CA Whiskeytown Dam	257,240	257,240	-	0%	
New Melones Dam & Reservoir	160,494	160,494	-	0%	
Nimbus Dam & Reservoir	172,403	172,403	-	0%	
Sacramento River	512,218	471,693	(40,525)	-8%	
San Joaquin River	107,571	107,571	-	0%	
Security Costs	3,601,143	3,981,059	379,916	11%	
Shasta Dam & Reservoir	1,576,166	1,740,132	163,966	10%	
Sisk, BF San Luis Dam	3,664,858	3,745,100	80,242	2%	
Trinity Dam & Reservoir	96,309	96,309	-	0%	
Water Forum - American River Division	146,494	146,494	-	0%	
Total Storage	18,522,240	19,998,047	1,475,807	8%	Overall increase is below materiality of 10%. No further action is required.

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<u>Conveyance</u>					
Delta Barriers - Unfunded			-		
Delta-Mendota Canal			-		
DMC Regulatory Actions	77,343	77,343	-	0%	
Hydrologic operating Modeling - Delta Division	17,069	17,069	-	0%	
Water Wheeling Cost -Unfunded			-		
DMC Subsidence Study	5,000	5,000	-	0%	
Friant-Kern Canal	37,284	37,284	-	0%	
Los Banos Creek Detention Dam - Maint. Joint	5,927	5,927	-	0%	
Madera Canal	13,000	13,000	-	0%	
Red Bluff Diversion Dam			-		
San Luis Canal	27,258	27,258	-	0%	
Tehama-Colusa Canal	80,239	40,525	(39,714)	-49%	
TCC Fish Facilities			-		
Drainage Projects	1,767,000	2,167,000	400,000	23%	
Total	2,030,120	2,390,406	360,286	18%	Increase is associated with the Demo treatment plant included with Drainage.
Less Direct billed	(2,030,120)	(2,390,406)	(360,286)		
Net Conveyance Cost	-	-	-		
<u>Conveyance Pumping</u>					
Corning Pumping Plant	247,030	183,937	(63,093)	-26%	
Dos Amigos Pumping Plant	3,006,004	2,430,379	(575,625)	-19%	
O'Neill Pump Gen Plant - Federal	1,430,829	1,579,897	149,068	10%	
Jones Pumping Plant	12,866,179	11,335,205	(1,530,974)	-12%	
Total Conveyance Pumping	17,550,041	15,529,418	(2,020,623)	-12%	Generally, Project Use Energy Cost decreased by 7% from the estimate included the year before.
Less: Direct Billed	(17,550,041)	(15,529,418)	2,020,623		
Net Reimbursable Conveyance Pumping	-	-	-		

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<u>Direct Pumping Cost</u>					
<u>Corning Canal</u>					
Corning WD Canalside Relift - Power	63,793	58,941	(4,852)	-8%	
Proberta WD Canalside Relift - Power	2,991	1,580	(1,411)	-47%	
<u>Cow Creek Unit</u>					
Wintu-Cow Creek PP - Power/Bella Vista WD	78,788	69,079	(9,709)	-12%	
<u>Cross Valley Canal</u>					
Dos Amigos PP and Banks	300,881	291,027	(9,854)	-3%	
<u>San Felipe Unit</u>					
San Benito County WD					
Gianelli, WR PGP	61,685	132,785	71,100	115%	
Pacheco PP - Power	108,281	144,959	36,678	34%	
Santa Clara Valley WD					
Coyote PP - Power	26,978	25,387	(1,591)	-6%	
Gianelli, WR PGP	68,142	107,350	39,208	58%	
Pacheco PP - Power	119,617	117,192	(2,425)	-2%	
<u>San Luis Canal - Fresno</u>					
Pleasant Valley PP & Relifts	655,747	643,346	(12,401)	-2%	
Westlands WD Relifts	3,217,215	2,576,556	(640,659)	-20%	
<u>San Luis Canal - Tracy</u>					
Panoche WD Canalside Relift - Power	1,631	1,068	(563)	-35%	
San Luis WD Canalside Relift - Power	830,687	590,317	(240,370)	-29%	
<u>Tehama-Colusa Canal</u>					
Colusa County WD	372,241	367,580	(4,661)	-1%	
Dunnigan WD Canalside Relift - Power	5,043	7,412	2,369	47%	
Westside WD/GV WD Canalside Relift - Power	31,674	25,985	(5,689)	-18%	
Kanawha WD Canalside Relift	74,298	32,448	(41,850)	-56%	
Orland-Artois WD Canalside Relift	73,541	84,438	10,897	15%	
Total Direct Pumping Cost	6,093,233	5,277,450	(815,783)	-13%	Generally, Project Use Energy Cost decreased by 7% from the estimate included the year before.

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<u>Water Marketing Expense</u>					
Suisun Marsh Protection	565,554	588,104	22,550	4%	
Water Contract Administration	6,502,921	6,016,157	(486,764)	-7%	
Water and Power Systems Controls	5,398,679	6,213,098	814,419	15%	
Other Expenses	3,462,679	3,307,781	(154,898)	-4%	
Hazardous Material Management Program	361,677	361,677	-	0%	
General Expense	1,598,668	1,853,664	254,996	16%	
Cost Allocation Study Cost	775,000	775,000	-	0%	
Water Wheeling Cost	1,420,171	1,550,271	130,100	9%	
Non-Recurring Water Marketing - SCCAO Tracy		1,069,875	1,069,875	100%	Delta Water Quality Monitoring Stations-Replace Staten Island and San Andreas Water Quality Monitoring Stations
Non-Permanent Contractor Revenue	(55)	(273,278)	(273,223)	100%	
Total Water Marketing	20,085,294	21,462,349	1,377,055	7%	Overall increase is below materiality of 10%. No further action is required.
<u>Extraordinary O&M</u>					
Storage	5,516,875	5,166,674	(350,201)	-6%	
Conveyance pumping	-	-	-		
Direct pumping	-	-	-		
Total XO&M	5,516,875	5,166,674	(350,201)	-6%	Overall increase is below materiality of 10%. No further action is required.
Total Reimbursable cost for Water Rates	50,217,642	51,904,520	1,686,878	3%	

Source: Schedule A-9 of the 2017 and 2018 Irrigation Water Ratebooks.