

RECLAMATION

Managing Water in the West

U.S. Department of the Interior
Bureau of Reclamation

CENTRAL VALLEY PROJECT
FY 2015 vs. FY 2016 O&M COST ESTIMATE ANALYSIS
M&I

	2015	2016	Variance	Percent	Explanation of significant decrease/ increase in cost
	<u>O&M</u>	<u>O&M</u>	<u>(2015 rate - 2016 rate)</u>	<u>Change</u>	
Storage					
Black Butte Reservoir	9,282	24,642	15,360	165.48%	
Buchanan Reservoir	-	-	-		
Columbia-Mowry System	25,054	26,839	1,785	7.12%	
Coleman National Fish Hatchery	480,477	473,815	(6,662)	-1.39%	
Delta Cross Channel	12,005	12,466	461	3.84%	
Folsom Dam & Reservoir	184,056	161,242	(22,814)	-12.40%	
Folsom Pumping Plant	143,465	200,309	56,844	39.62%	
Friant Dam & Reservoir	216,188	221,129	4,941	2.29%	
Gianelli, WR PGP	62,269	124,153	61,884	99.38%	
Less: Gianelli Credit	(59,076)	(77,470)	(18,394)	31.14%	
Hidden Reservoir	-	-	-		
Hill, CA Whiskeytown Dam	38,070	38,070	-	0.00%	
New Melones Dam & Reservoir	1,455	2,727	1,272	87.42%	
Nimbus Dam & Reservoir	25,357	25,300	(57)	-0.22%	
Sacramento River	24,844	20,139	(4,705)	-18.94%	
San Joaquin River	17,675	15,885	(1,790)	-10.13%	
Security Costs	499,227	513,975	14,748	2.95%	
Shasta Dam & Reservoir	272,779	317,129	44,350	16.26%	
Sisk, BF San Luis Dam	1,928,495	1,989,342	60,847	3.16%	
Trinity Dam & Reservoir	14,251	14,198	(53)	-0.37%	
Water Forum - American River Div.	10,777	9,242	(1,535)	-14.24%	
Total Storage	3,906,650	4,113,131	206,482	5.29%	Overall increase is below materiality of 10%. No further action is required.

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	<u>O&M</u>	<u>O&M</u>	<u>(2015 rate - 2016 rate)</u>	<u>Percent Change</u>	<u>Explanation of significant decrease/ increase in cost</u>
<u>Conveyance</u>					
Delta-Mendota Canal	-	-	-		
DMC Water Quality Monitoring	-	-	-		
DMC Regulatory Actions	8,075	6,858	(1,217)	-15.07%	
Delta Barrier	-	-	-		
Hydrologic operating Modeling-Delta Division	1,520	1,514	(6)	-0.39%	
Water Wheeling	-	-	-		
DMC Subsidence Study	-	-	-		
Friant-Kern Canal	5,333	2,728	(2,605)	-48.85%	
Los Banos Creek Detention Dam-Maint. Joint	88	88	-	0.00%	
Red Bluff Diversion Dam Reservoir and River operations - American River Division	-	-	-		
San Luis Canal	-	-	-		
Tehama-Colusa Canal	901	1,069	168	18.65%	
Tehama-Colusa Fish Facilities	-	-	-		
Total	15,917	12,257	(3,660)	-22.99%	
Folsom-South Canal (Rates)	65,600	65,600	-	0.00%	
Total	81,517	77,857	(3,660)	-4.49%	
Less Direct billed	(15,917)	(12,257)	3,660	-22.99%	
Net Conveyance Cost	65,600	65,600	-	0.00%	Conveyance cost is direct billed by Authority. Only FSC is recover through water rates.
<u>Conveyance Pumping</u>					
Dos Amigos PP	46,870	42,263	(4,607)	-9.83%	
O'Neill PGP	217,103	300,932	83,829	38.61%	
PGP - Credit	-	-	-		
Jones Pumping Plant	1,338,320	1,486,667	148,347	11.08%	
Total	1,602,293	1,829,862	227,569	14.20%	
Less Direct billed	(1,602,293)	(1,829,862)	(227,569)	14.20%	Cost is direct billed by Authority.
Net Conveyance Pumping Cost	-	-	-		

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<u>Direct Pumping</u>	2,842,662	4,075,802	1,233,140	43.38%	Due to the expiration of our contract with PG&E on April 1, 2016, PUE costs are projected to increase by approximately \$4 million dollars for fiscal year 2016. This projected increase is included in the 2016 water rates. In future years, costs are anticipated to increase by \$8 to \$10 million.
<u>Water Marketing</u>					
Suisun Marsh Protection	111,434	98,582	(12,852)	-11.53%	
Contract Administration	1,063,605	964,243	(99,362)	-9.34%	
Water & Power Systems Control	464,672	449,548	(15,124)	-3.25%	
Other Expense	405,124	404,108	(1,016)	-0.25%	
Hazardous Material Management	37,158	30,580	(6,578)	-17.70%	
Water Wheeling unfunded cost	-	132,000	132,000	100.00%	
General Expense	243,495	272,191	28,696	11.79%	
Cost Allocation Study Cost	256,540	283,305	26,765	10.43%	
Non-permanent Contractor Revenue	(482,611)	(367,703)	114,908	-23.81%	
Total Water Marketing	2,099,417	2,266,853	167,437	7.98%	
<u>Extraordinary O&M</u>					
Storage	305,282	1,705,800	1,400,518	458.76%	
Conveyance pumping	41,305		(41,305)	-100.00%	
Direct pumping	71,272		(71,272)	-100.00%	
Total XO&M	417,859	1,705,800	1,287,941	308.22%	Butterfly valves refurbishment and replacement windings on eight units pump/turbine and draft tube.
Grand Total	10,950,398	14,069,305	3,118,907	28.48%	
Total	10,950,398	14,069,305	3,118,907	28.48%	
Less: Direct Billed	(1,618,210)	(1,842,119)	(223,909)	13.84%	
Recovered via Rates	9,332,188	12,227,186	2,894,998	31.02%	The overall increase is due to PUE cost and Butterfly valves refurbishment and replacement windings on eight units pump/turbine and draft tube.