

CENTRAL VALLEY PROJECT
FY 2016 vs. FY 2017 O&M COST ESTIMATE ANALYSIS
M&I

	<u>2016 Rates</u>	<u>2017 Rates</u>	<u>Variance</u>	<u>% Change</u>	<u>Explanation of significant decrease/ increase in cost</u>
Storage					
American River		\$ 10,847	10,847		
Black Butte Reservoir	24,642	24,642	-	0%	
Columbia-Mowry System	26,839	28,486	1,647	6%	
Coleman National Fish Hatchery	473,815	418,633	(55,182)	-12%	
Delta Cross Channel	12,466	13,318	852	7%	
Folsom Dam & Reservoir	161,242	178,860	17,618	11%	
Folsom Pumping Plant	200,309	158,941	(41,368)	-21%	
Friant Dam & Reservoir	221,129	197,113	(24,016)	-11%	
Gianelli, WR PGP	124,153	712,675	588,522	474%	
Less: Gianelli Credit	(77,470)	(640,065)	(562,595)	726%	
Hill, CA Whiskeytown Dam	38,070	34,968	(3,102)	-8%	
New Melones Dam & Reservoir	2,727		(2,727)	-100%	
Nimbus Dam & Reservoir	25,300	23,432	(1,868)	-7%	
Sacramento River	20,139	17,797	(2,342)	-12%	
San Joaquin River	15,885	14,603	(1,282)	-8%	
Security Costs	513,975	547,058	33,083	6%	
Shasta Dam & Reservoir	317,129	307,440	(9,689)	-3%	
Sisk, BF San Luis Dam	1,989,342	2,063,638	74,296	4%	
Trinity Dam & Reservoir	14,198	13,102	(1,096)	-8%	
Water Forum - American River Div.	9,242	9,059	(183)	-2%	
Total Storage	4,113,132	4,134,547	21,415	1%	Overall increase is below materiality of 10%. No further action is required.

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<u>Conveyance</u>					
DMC Regulatory Actions	6,858	6,597	(261)	-4%	
Delta Barrier	-		-		
Hydrologic operating Modeling-Delta Division	1,514	1,456	(58)	-4%	
Water Wheeling	-		-		
DMC Subsidence Study	-		-		
Friant-Kern Canal	2,728	2,716	(12)	0%	
Los Banos Creek Detention Dam-Maint. Joint	88	88	-	0%	
Red Bluff Diversion Dam Reservoir and River operations - American River Division	-		-		
San Luis Canal	-	742	742		
Tehama-Colusa Canal	1,069	990	(79)	-7%	
Tehama-Colusa Fish Facilities	-		-		
Total	12,257	12,589	332	3%	
Folsom-South Canal (Rates)	65,600	65,600	-	0%	
Total	77,857	78,189	332	0%	
Less Direct billed	(12,257)	(12,589)	(332)		
Net Conveyance Cost	65,600	65,600	-	0%	Conveyance cost is direct billed by Authority. Only FSC is recover through water rates.
<u>Conveyance Pumping</u>					
Dos Amigos PP	42,263	83,556	41,293	98%	
O'Neill PGP	300,932	336,460	35,528	12%	
PGP - Credit	-		-		
Jones Pumping Plant	1,486,667	1,885,854	399,187	27%	
Total	1,829,862	2,305,870	476,008	26%	
Less Direct billed	(1,829,862)	(2,305,870)	(476,008)		Conveyance Pumping cost is direct billed to Water Authority.
Net Conveyance Pumping Cost	-	-	-		

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<u>Direct Pumping Cost</u>						
<u>Contra Costa Canal</u>						
Contra Costa WD	932,659	799,200	(133,459)	-14%		
<u>Cow Creek Unit</u>						
Bella Vista WD	53	69,281	69,228	130619%		
<u>Cross Valley Canal</u>						
Dos Amigos PP and Banks	2,317	3,421	1,104	48%		
<u>San Felipe Unit</u>						
San Benito County WD						
Gianelli, WR PGP	55,721	24,178	(31,543)	-57%		
Pacheco PP - Power	57,325	42,442	(14,883)	-26%		
Santa Clara Valley WD						
Coyote PP - Power	360,316	209,754	(150,562)	-42%		
Gianelli, WR PGP	1,189,753	529,816	(659,937)	-55%		
Pacheco PP - Power	1,223,999	930,038	(293,961)	-24%		
<u>San Luis Canal - Fresno</u>						
City of Coalinga	78,964	106,868	27,904	35%		
Westlands WD Relifts	20,068	28,016	7,948	40%		
<u>San Luis Canal - Tracy</u>						
San Luis WD	60,531	56,160	(4,371)	-7%		
<u>Toyon Pipeline</u>						
City of Shasta Lake	91,744	54,341	(37,403)	-41%		
<u>Tehama-Colusa Canal</u>						
Colusa County WD	2,324	1,598	(726)	-31%		
Kanawha WD Canal-side Relift	27	23	(4)	-15%		
<u>Direct Pumping</u>					-30%	Due to the expiration of Reclamation's contract with PG&E on April 1, 2016, PUE costs are projected to increase. In fiscal year 2016, the increase is expected to be \$4 million and in 2017, the increase is projected to be approximately \$6.9 million. These increases are included in the water rates.
	4,075,801	2,855,136	(1,220,665)			

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<u>Water Marketing</u>					
Suisun Marsh Protection	98,582	94,802	(3,780)	-4%	
Contract Administration	964,243	1,152,079	187,836	19%	
Water & Power Systems Control	449,548	431,697	(17,851)	-4%	
Other Expense	404,108	409,472	5,364	1%	
Hazardous Material Management	30,580	29,121	(1,459)	-5%	
Water Wheeling	132,000	114,345	(17,655)	100%	
General Expense	272,191	128,717	(143,474)	-53%	
Cost Allocation Study Cost	283,305	225,000	(58,305)	-21%	
Non-permanent Contractor Revenue	(367,703)	(323,601)	44,102	-12%	
Total Water Marketing	2,266,854	2,261,632	(5,222)	0%	Overall increase is below materiality of 10%. No further action is required.
<u>Extraordinary O&M</u>					
Storage	1,705,800	2,136,706	430,906	25%	
Conveyance pumping			-		
Direct pumping			-		
Total XO&M	1,705,800	2,136,706	430,906	25%	Significant Inclusions for 2017: Nimbus Dam Radial Gate Refurbishing; Replace Staten Island and San Andreas Water Quality Monitoring Stations; and, Delta Cross Channel Radial Gate Gear Replacements
Total Reimbursable cost for 2017 rates:	12,227,187	11,453,621	(773,566)	-6%	

Source: Schedule A-9 of the 2016 and 2017 M&I Water Ratebooks.