

CENTRAL VALLEY PROJECT
FY 2013 vs. FY 2014 O&M COST ESTIMATE ANALYSIS
IRRIGATION

	2013	2014	Variance	Percent	
	<u>Rates</u>	<u>Rates</u>	<u>(2014 Rate - 2013 Rate)</u>	<u>Change</u>	
Storage					
Black Butte Reservoir	462,136	828,690	366,554	79.32%	Explanation of significant decrease/ increase in cost
Buchanan Reservoir	275,800	590,064	314,264	113.95%	
Columbia-Mowry System	152,371	163,113	10,742	7.05%	
Coleman National Fish Hatchery	2,904,589	3,015,401	110,812	3.82%	
Delta Cross Channel	79,195	686,456	607,261	766.79%	Increase in cost is due to removal of north side of vegetation and road remediation, replacement of electrical controls of gates, lighting system and redial gate gear replacement.
Folsom Dam & Reservoir	438,837	447,534	8,697	1.98%	
Folsom Pumping Plant	701,717	411,580	(290,137)	-41.35%	
Friant Dam & Reservoir	1,350,711	1,389,656	38,945	2.88%	
Gianelli, WR PGP	3,090,741	2,939,402	(151,339)	-4.90%	Due to more releases from the San Luis reservoir the Gianelli credit has increased significantly from prior year.
Less: Gianelli Credit	(1,285,647)	(2,331,465)	(1,045,818)	81.35%	
Hidden Reservoir	227,900	264,720	36,820	16.16%	
Hill, CA Whiskeytown Dam	512,795	247,861	(264,934)	-51.66%	
New Melones Dam & Reservoir	936,722	977,455	40,733	4.35%	Last year claim team inspected the dam and determine that Nimbus dam requires repair of 18 spill gates and painting. To perform above repair Bureau cost increased significantly from prior year.
Nimbus Dam & Reservoir	137,720	1,010,810	873,090	633.96%	
Sacramento River	609,829	622,652	12,823	2.10%	
San Joaquin River	115,328	118,450	3,122	2.71%	
Security Costs	3,209,711	3,188,905	(20,806)	-0.65%	The overall increase is not significant.
Shasta Dam & Reservoir	1,209,307	1,408,752	199,445	16.49%	
Sisk, BF San Luis Dam	4,296,937	4,217,001	(79,936)	-1.86%	
Trinity Dam & Reservoir	135,785	92,628	(43,157)	-31.78%	
Total	19,562,484	20,289,665	727,181	3.72%	
Conveyance					
Delta Barriers - Unfunded	-	2,773,545	2,773,545	100.00%	Please see 2014 Foreword
Delta-Mendota Canal	358,345	28,375	(329,970)	-92.08%	Please see 2014 Foreword
Water Wheeling Cost -Unfunded	-	1,386,772	1,386,772	100.00%	
DMC Subsidence Study	2,755	-	(2,755)	-100.00%	
Friant-Kern Canal	22,318	32,469	10,151	45.48%	
Red Bluff Diversion Dam	36,202	36,657	455	1.26%	Cost is direct billed by Authority.
Red Bluff PP	-	-	-	0.00%	
San Luis Canal	11,756	11,711	(45)	-0.38%	
South Delta Hydrodynamics Fish Inv	-	-	-	0.00%	
Tehama-Colusa Canal	82,963	83,982	1,019	1.23%	
TCC Fish Facilities	6,376	6,574	198	3.11%	
Total	520,715	4,360,085	1,065,825	737.33%	
Less Direct billed	(520,715)	(199,768)	-	-61.64%	
Net Conveyance Cost	-	4,160,317			

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<u>Conveyance Pumping</u>					
Corning Pumping Plant	133,366	181,261	47,895	35.91%	
Dos Amigos Pumping Plant	2,743,710	2,593,867	(149,843)	-5.46%	
O'Neill Pumping-Generating Plant	1,754,271	1,271,274	(482,997)	-27.53%	
Regen. Credit - O'Neill Pump-Gen Plt	(224)	-	224	-100.00%	
Jones Pumping Plant	11,145,394	10,803,892	(341,502)	-3.06%	
In- Lieu of Jones PP	76,880	-	(76,880)	-100.00%	
Total	15,853,397	14,850,295	(1,003,102)	-6.33%	
Less Direct billed	(15,853,397)	(14,850,295)	(1,003,102)	-6.33%	
Net Conveyance Pumping Cost	-	-			Cost is direct billed by Authority.
<u>Conveyance & Drainage</u>					
Kesterson Reservoir	200,000	175,000	(25,000)	-12.50%	
<u>Direct pumping cost</u>					
<u>Corning Canal</u>					
Corning WD Canalside Relift - Power	42,237	49,971	7,734	18.31%	
Proberta WD Canalside Relift - Power	2,252	3,112	860	38.19%	
<u>Cow Creek Unit</u>					
Wintu-Cow Creek PP - Power/Bella Vista WD	53,952	58,946	4,994	9.26%	
<u>Contra Costa Canal</u>					
Contra Costa PP (Contra Costa WD)	-				
<u>Cross Valley Canal</u>					
Dos Amigos PP and Banks	209,318	193,003	(16,315)	-7.79%	
<u>San Felipe Unit</u>					
San Benito County WD					
Gianelli, WR PGP	77,561	96,346	18,785	24.22%	
Pacheco PP - Power	28,801	64,564	35,763	124.17%	
Santa Clara Valley WD					
Coyote PP - Power	5,666	17,039	11,373	200.72%	
Gianelli, WR PGP	84,112	93,494	9,382	11.15%	
Pacheco PP - Power	31,233	62,653	31,420	100.60%	
<u>San Luis Canal - Fresno</u>					
Pleasant Valley Relifts	467,769	479,185	11,416	2.44%	
Westlands WD Relifts	2,121,455	2,230,776	109,321	5.15%	
<u>San Luis Canal - Tracy</u>					
Panoche WD Canalside Relift - Power	608	754	146	24.01%	
San Luis WD Canalside Relift - Power	362,470	441,193	78,723	21.72%	
<u>Tehama-Colusa Canal</u>					
Colusa County WD	186,158	230,675	44,517	23.91%	
Dunnigan WD Canalside Relift - Power	2,857	3,626	769	26.92%	
Westside WD/GV WD Canalside Relift - Power	11,611	13,327	1,716	14.78%	
Kanawha WD Canalside Relift	31,655	35,619	3,964	12.52%	
Orland-Artois WD Canalside Relift	41,783	47,138	5,355	12.82%	
Total Direct pumping cost	3,761,498	4,121,421	359,923	9.57%	The primary increase in direct pumping is due to PUE cost. CVP consumption of PUE has increased from 23.37% to 29.59%; hence more Western and BOR costs being allocated to CVP customers through the Cost sub allocation process. Moreover, California Independent System Operator (CAISO) charges for scheduling Reclamation's loads within the CAISO boundaries have increased causing this spike in the PUE cost.

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<u>Water Marketing Expense</u>					
Suisun Marsh Protection	-	641,773	641,773	100.00%	
Water Contract Administration	7,349,007	7,660,306	311,299	4.24%	
Water and Power Systems Controls	4,372,210	4,728,612	356,402	8.15%	
Other Expenses/Hazardous Material Management	4,894,468	3,696,935	(1,197,533)	-24.47%	
Hazardous Material Management Program	-	441,321	441,321	100.00%	
General Expense	767,938	1,381,068	613,130	79.84%	Increase is due to the court ruling on the 2008/2009 USFWS/NMFS Biological Opinions for long-term operation of the CVP and SWP, Reclamation will prepare an updated Biological Assessment to reflect current policies and priorities guiding the multi-purpose operation of the CVP. In FY 2014, \$1,867,000 has been set aside to perform these tasks.
Non-Permanent Contractor Revenue	(265,000)	(94,640)	170,360	-64.29%	
Total Water Marketing	17,118,623	18,455,375	1,336,752	7.81%	In 2014, Suisun Marsh Protection cost of \$641,773 has budgeted but in 2013 there was no cost for Suisun Marsh Protection. Moreover, Non-Permanent Contractor Revenue has also been reduced significantly due to Stockton East WD. In 2013, Stockton East WD was considered Non-Permanent Contractor hence revenue offset the water marketing cost.
<u>Extraordinary O&M</u>					
Storage	1,406,759	2,182,363	775,604	55.13%	
Conveyance pumping	599,394	9,063	(590,331)	-98.49%	
Direct pumping	159,897	16,942	(142,955)	-89.40%	
Total XO&M	2,166,050	2,208,368	42,318	1.95%	In 2014, following activities are budgeted under PL111-11. • Replacement of draft tube bulkhead hoist at Folsom Power plant • Replace windings on Eight Units – Gianelli Pumping/Generation Plant.
Grand Total	42,808,655	49,410,146	6,601,491	15.42%	

Source: Schedule A-9 of the 2013 and 2014 Irrigation Water Ratebooks.