

CENTRAL VALLEY PROJECT
FY 2014 vs. FY 2015 O&M COST ESTIMATE ANALYSIS
IRRIGATION

	2014	2015	Variance		
	Rates	Rates	(2015 rate - 2014 rate)	Percent Change	Explanation of significant decrease/ increase in cost
Storage					
Black Butte Reservoir	828,690	975,814	147,124	17.75%	CORE facilities cost increase and decrease is yet to be determined.
Buchanan Reservoir	590,064	417,524	(172,540)	-29.24%	
Columbia-Mowry System	163,113	167,229	4,116	2.52%	
Coleman National Fish Hatchery	3,015,401	3,076,971	61,570	2.04%	
Delta Cross Channel	686,456	79,733	(606,723)	-88.38%	In 2014 Increase in cost was due to removal of north side of vegetation and road remediation, replacement of electrical controls of gates, lighting system and redial gate gear replacement. This work is complete therefore, 2015 cost is much lower than 2014
Folsom Dam & Reservoir	447,534	1,099,147	651,613	145.60%	Cost increase is due to design and construction of temporary pump installation. A pump may be needed if drought conditions remains in effect.
Folsom Pumping Plant	411,580	411,968	388	0.09%	
Friant Dam & Reservoir	1,389,656	1,398,541	8,885	0.64%	Due to more releases from the San Luis reservoir the Gianelli credit has increased significantly from prior year.
Gianelli, WR PGP	2,939,402	2,727,778	(211,624)	-7.20%	
Less: Gianelli Credit	(2,331,465)	(2,587,893)	(256,428)	11.00%	
Hidden Reservoir	264,720	194,806	(69,914)	-26.41%	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. Going forward this cost has been treated as XO&M cost and will be recovered under PL 111-11.
Hill, CA Whiskeytown Dam	247,861	254,928	7,067	2.85%	
New Melones Dam & Reservoir	977,455	939,574	(37,881)	-3.88%	
Nimbus Dam & Reservoir	1,010,810	169,857	(840,953)	-83.20%	
Sacramento River	622,652	834,314	211,662	33.99%	The overall decrease is majorly due to Nimbus dam and Delta cross Channel.
San Joaquin River	118,450	118,400	(50)	-0.04%	
Security Costs	3,188,905	3,388,683	199,778	6.26%	
Shasta Dam & Reservoir	1,408,752	1,454,942	46,190	3.28%	
Sisk, BF San Luis Dam	4,217,001	4,029,491	(187,510)	-4.45%	
Trinity Dam & Reservoir	92,628	95,317	2,689	2.90%	
Water Forum - American River Division	-	64,358	64,358	100.00%	
Total Storage	20,289,665	19,311,482	(978,183)	-4.82%	

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<u>Conveyance</u>					
Delta Barriers - Unfunded	2,773,545	-	(2,773,545)	100.00%	No unfunded needs for delta barriers as of yet.
Delta-Mendota Canal	28,375	-	(28,375)	-100.00%	
DMC Regulatory Actions Hydrologic operating Modeling - Delta Division	-	101,541	101,541	100.00%	
	-	19,113	19,113	100.00%	
Water Wheeling Cost -Unfunded	1,386,772	-	(1,386,772)	100.00%	No unfunded needs for delta barriers as of yet.
DMC Subsidence Study	-	5,000	5,000	100.00%	
Friant-Kern Canal	32,469	69,667	37,198	114.56%	
Los Banos Creek Detention Dam - Maint. Joint	-	5,927	5,927	100.00%	
Madera Canal	-	13,000	13,000	100.00%	
Red Bluff Diversion Dam	36,657	-	(36,657)	-100.00%	
San Luis Canal	11,711	-	(11,711)	-100.00%	
Tehama-Colusa Canal	83,982	85,625	1,643	1.96%	
TCC Fish Facilities	6,574	-	(6,574)	-100.00%	
	<div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> Prior year Delta barrier cost was included as unfunded need in compare to this year. Bureau has not yet determined unfunded need for 2015. Budget is working on this information and will let us know before final rate. If funds are needed for 2015; amount will be included in final rates and we will disclose in forward. </div>				
Total	4,360,085	299,873	(1,286,667)	-93.12%	
Less Direct billed	(199,768)	(299,873)	(100,105)	50.11%	
Net Conveyance Cost	4,160,317	-	(1,386,772)	-100.00%	
<u>Conveyance Pumping</u>					
Corning Pumping Plant	181,261	195,975	14,714	8.12%	
Dos Amigos Pumping Plant	2,593,867	2,126,195	(467,672)	-18.03%	
O'Neill Pump Gen Plant - Federal	1,271,274	1,086,386	(184,888)	-14.54%	
Jones Pumping Plant	10,803,892	10,463,187	(340,705)	-3.15%	
Total Conveyance Pumping	14,850,294	13,871,743	(978,551)	-6.59%	
Less: Direct Billed	(14,850,294)	(13,871,743)	978,551		
Net Reimbursable Conveyance Pumpin	-	-	-		Cost is directly billed to contactors.
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<u>Conveyance & Drainage</u>					
Kesterson Reservoir	175,000	-	(175,000)	-100.00%	No cost has been reported by budget for 2015.

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			<u>2014 rate)</u>		
<u>Direct Pumping Cost</u>					
<u>Corning Canal</u>					
Corning WD Canalside Relift - Power	49,971	69,287	19,316	38.65%	
Proberta WD Canalside Relift - Power	3,112	4,287	1,175	37.76%	
<u>Cow Creek Unit</u>					
Wintu-Cow Creek PP - Power/Bella Vista	58,946	74,340	15,394	26.12%	
<u>Contra Costa Canal</u>					
Contra Costa PP (Contra Costa WD)					
<u>Cross Valley Canal</u>					
Dos Amigos PP and Banks	193,003	309,960	116,957	60.60%	
<u>San Felipe Unit</u>					
San Benito County WD					
Gianelli, WR PGP	96,346	95,115	(1,231)	-1.28%	
Pacheco PP - Power	64,564	126,650	62,086	96.16%	
Santa Clara Valley WD					
Coyote PP - Power	17,039	31,839	14,800	86.86%	
Gianelli, WR PGP	93,494	100,599	7,105	7.60%	
Pacheco PP - Power	62,653	133,952	71,299	113.80%	
<u>San Luis Canal - Fresno</u>					
Pleasant Valley Relifts	479,185	432,940	(46,245)	-9.65%	
Westlands WD Relifts	2,230,776	2,246,320	15,544	0.70%	
<u>San Luis Canal - Tracy</u>					
Panoche WD Canalside Relift - Power	754	959	205	27.19%	
San Luis WD Canalside Relift - Power	441,193	573,580	132,387	30.01%	
<u>Tehama-Colusa Canal</u>					
Colusa County WD	230,675	332,173	101,498	44.00%	
Dunnigan WD Canalside Relift - Power	3,626	5,470	1,844	50.85%	
Westside WD/GV WD Canalside Relift -	13,327	21,018	7,691	57.71%	
Kanawha WD Canalside Relift	35,619	52,855	17,236	48.39%	
Orland-Artois WD Canalside Relift	47,138	77,258	30,120	63.90%	
Total Direct Pumping Cost	4,121,421	4,688,602	567,181	13.76%	

More the contractors' pump higher the cost and more cost shift to CVP customers through cost sub allocation process. Moreover, California Independent System Operator (CAISO) charges for scheduling Reclamation's loads within the CAISO boundaries have also increase with compare to last year is another reason of cost increase.

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<u>Water Marketing Expense</u>					
Suisun Marsh Protection	641,773	664,774	23,001	3.58%	
Water Contract Administration	7,660,306	6,893,395	(766,911)	-10.01%	
Water and Power Systems Controls	4,728,612	5,527,392	798,780	16.89%	
Other Expenses/Hazardous Material Ma	3,696,935	3,887,021	190,086	5.14%	
Hazardous Material Management Progra	441,321	439,047	(2,274)	-0.52%	
General Expense	1,381,068	1,373,505	(7,563)	-0.55%	
Non-Permanent Contractor Revenue	(94,640)	(264,464)	(169,824)	179.44%	
Total Water Marketing	<u>18,455,375</u>	<u>18,520,670</u>	<u>65,295</u>	<u>0.35%</u>	The overall increase is not significant.
<u>Extraordinary O&M</u>					
Storage	2,182,363	2,057,565	(124,798)	-5.72%	
Conveyance pumping	9,063	601,639	592,576	6538.41%	
Direct pumping	16,942	203,477	186,535	1101.02%	
Total XO&M	<u>2,208,368</u>	<u>2,862,681</u>	<u>654,313</u>	<u>29.63%</u>	Cost is related to Nimbus dame radial gate refurbishment, trinity dam fixed wheel gate overhaul and buss replacement and repainting of Keswick power plant.
Total Reimbursable cost for 2015 rates	<u>49,410,146</u>	<u>45,383,435</u>	<u>(4,026,711)</u>	<u>-8.15%</u>	

Source: Schedule A-9 of the 2014 and 2015 Irrigation Water Ratebooks.