

2012-2016 California ISO Projects Completed April 2015 through March 2016

<i>Capital ID #</i>	<i>Year Approved</i>	<i>Project Description</i>	<i>Approved Project Budget</i>	<i>Final Cost</i>	<i>% Completed to Budget</i>
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2013-2016 Completed Capital Projects					
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12208	2013	WebSDK Enhancements	\$ 39,160	\$ 39,160	100%
12212	2014	Real Time Contingency Analysis (RTCA)	\$ 644,322	\$ 664,403	103%
12214	2014	Enabling Demand Response 2014	\$ 266,146	\$ 291,673	110%
12358	2014	Many to Many Outage Substitution	\$ 522,381	\$ 436,092	83%
12361	2014	Energy Costs & Indices Calculator	\$ 380,172	\$ 415,476	109%
12367	2015	Convergence Bidding on the Interties	\$ 331,984	\$ 306,979	92%
12509	2015	Furniture Purchases	\$ 149,540	\$ 149,540	100%
12509	2015	EV Charging Stations	\$ 120,000	\$ 107,661	90%
12622	2013	Operation Phone System Redesign	\$ 190,349	\$ 164,287	86%
12623/ 12624	2014	2014 Hardware / Software Purchases	\$ 2,004,000	\$ 2,004,000	100%
12632	2015	Vision Software Purchase	\$ 152,685	\$ 105,521	69%
12633/ 12634	2015	2015 Hardware / Software Purchases	\$ 2,000,000	\$ 2,000,000	100%
13254	2015	EIM Year 1 Enhancements	\$ 1,457,113	\$ 1,313,324	90%

Total Completed Capital Projects

\$ 8,257,852 \$ 7,998,117

2012-2016 Completed Requirements and Other Projects					
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21112	2012	Analytics & Reporting Database	\$ 18,200	\$ 10,400	57%
21133	2012	Compliance Automation & Controls Governance	\$ 673,377	\$ 632,627	94%
21138	2012	MSE 2012	\$ 9,870	\$ 9,870	100%
21146	2013	Architecture Projects Requirements	\$ 788,895	\$ 771,576	98%

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21161	2013	Data Visualization for RTCA Results	\$ 26,250	\$ 26,544	0%
21167	2013	MOSES Replacement Requirements	\$ 28,500	\$ 27,509	97%
21169	2013	Outage Optimization Requirements	\$ 48,000	\$ 46,895	98%
21172	2013	OMAR Replacement Requirements	\$ 60,000	\$ 64,639	0%
21185	2013	Logging Replacement Project Requirements	\$ 43,875	\$ 44,077	100%
21189	2014	Many to Many Outage Substitution- Non Capital	\$ 88,034	\$ 88,034	100%
21195	2012/ 2013/ 2014	SOA Upgrades - Web Service	\$ 1,582,060	\$ 1,626,369	103%
21196	2013	Lincoln Operations Center Non- Capital	\$ 352,000	\$ 331,614	94%
21198	2014	Electronic Records Retention	\$ 138,476	\$ 105,131	76%
21201	2014	RTCA Non Cap	\$ 81,750	\$ 81,373	100%
21202	2014	2014 Operations Non Capital	\$ 233,400	\$ 233,400	100%
21205	2014	CUI --Implementation in Systems	\$ 57,771	\$ 56,507	98%
21208	2014	Audit Reporting & Compliance Phase 2	\$ 125,976	\$ 97,612	77%
21211	2014	Commitment Cost Requirements	\$ 88,487	\$ 76,428	86%
21213	2014	Energy Cost & Indices Calculation	\$ 37,729	\$ 37,732	100%
21214	2014	Exceptional Dispatch 3.0 Requirements	\$ 39,360	\$ 46,378	118%
21218	2014	BARR 2. Requirements -	\$ 50,155	\$ 49,605	99%
21222	2014	Mobility Application enhancements	\$ 99,750	\$ 68,125	68%
21223	2014	Flexible Ramping Product Original Requirements	\$ 30,000	\$ 29,835	99%
21224	2014	EMS Requirements	\$ 25,065	\$ 24,840	99%
21227	2015	Convergence Bidding on the Interties Requirements	\$ 25,806	\$ 24,381	94%
21228	2015	Pricing Enhancements Requirements	\$ 7,015	\$ 7,015	100%

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21229	2015	Peak RC Data Collection	\$ 36,195	\$ 60,956	168%
21230	2015	Commitment Costs Phase 2 Requirements	\$ 33,385	\$ 33,385	100%
21232	2015	Capacity Procurement Mechanism Requirements	\$ 60,824	\$ 60,824	100%
21233	2015	WebSDK Standardization & IE 11 Compliance	\$ 313,053	\$ 206,219	66%
21237	2015	DR Enhancement for Operations Requirements	\$ 28,124	\$ 28,124	100%
21238	2015	CQ-QC Defect Exchange Process	\$ 48,275	\$ 40,915	85%
21239	2015	Data Transparency	\$ 13,000	\$ 10,440	80%
21240	2015	ALFS Forecasting Improvements Requirements	\$ 24,000	\$ 22,000	92%
21242	2015	VER Forecast Data Storage Requirements	\$ 14,000	\$ 10,680	76%
21243	2015	Access Identity Mgmt. Requirements	\$ 12,733	\$ 12,733	100%
21247	2015	EMMS Phase 3C Requirements	\$ 43,200	\$ 42,629	99%
21248	2015	Reliability System Tech Upgrade Requirements	\$ 160,000	\$ 159,983	100%
21252	2015	Bid Cost Recovery & Variable Energy Resource Settlement	\$ 25,925	\$ 25,925	100%

Total Requirements & Other Projects

\$ 5,572,513

\$ 5,333,326

Grand Total completed Projects

\$ 13,830,365

\$ 13,331,442

NV Energy

13254	2013	NV Energy Implementation	\$ 1,100,000	\$ 1,093,993	99%
21207	2015				