

2012 -2015 California ISO Active Projects as of March 31,2015

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<i>Capital ID #</i>	<i>Year Appd.</i>	<i>Project Description</i>	<i>Approved Budget</i>	<i>Forecast</i>	<i>Project to Date 2015</i>	<i>\$ % Compl</i>	<i>Issued Contracts Unbilled</i>	<i>Total Remaining BALANCE</i>
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Full Funding for Active Capital Projects

12212	2014	Real Time Contingency Analysis (RTCA)	\$ 948,472	\$ 948,472	\$ 216,997	23%	\$ 427,045	\$ 304,431
12213	2014	CUI -- WebSDK Enhancements	\$ 499,739	\$ 499,739	\$ 216,432	43%	\$ 250,085	33,222.00
12214	2014	Enabling Demand Response	\$ 266,146	\$ 266,146	\$ 290,938	109%		\$ (24,792)
12215	2015	Logging System Replacement	\$300,840.53	\$ 300,841	\$ 4,510	1%		\$ 296,331
12216	2015	EMMS Phase 3b	\$ 1,161,940	\$ 1,161,940	\$ 960	0%	886,165.00	\$ 274,815.00
12217	2015	Parallel Operations	\$ 464,738	\$ 464,738	\$ -	0%		\$ 464,738
12346	2012	Circular Scheduling Market Rule	\$ 302,680	\$ 302,680	\$ 88,200	29%		\$ 214,480
12349	2013 /2015	Contingency Modeling Enhancements	\$ 1,654,535	\$ 1,654,535	\$ 1,332,042	81%	\$ 294,794	\$ 27,699
12355	2013	Integrated Optimal Outage Coordination	\$ 1,046,000	\$ 1,046,000	\$ 419,698	40%	\$ 489,000	\$ 137,302
12357	2014	2014 Operations Enhancements	\$ 766,600	\$ 766,600	\$ 624,861	82%	\$ 132,571	\$ 9,169
12358	2014	Many to Many Outage Substitution	\$ 522,381	\$ 522,381	\$ 432,732	83%		\$ 89,649
12361	2014	Energy Cost & Indices Calculation	\$ 338,719	\$ 338,719	\$ 98,113	29%		\$ 240,606
12362	2015	2015 Operations & MSE Enhancements	\$ 1,331,450	\$ 1,331,450	\$ 6,421	0%	918,650	\$ 406,379
12363	2015	BARR 2.0	\$ 181,164	\$ 181,164	\$ -	0%		\$ 181,164
12366	2015	Initial Conditions & Transitional Schema	\$ 189,268	\$ 189,268	\$ 1,365	1%	171,255	\$ 16,648
12367	2015	Convergence Bidding on the Interties	\$ 335,825	\$ 335,825	\$ 225,509	67%	66,752	\$ 43,564
12368	2015	Reliability Services Initiative	\$ 715,222	\$ 715,222	\$ 26,724	4%		\$ 688,498
12369	2015	Pricing Enhancements	\$ 105,335	\$ 105,335	\$ -	0%		\$ 105,335
12370	2015	Commitment Costs Phase 2	\$ 142,752	\$ 142,752	\$ -	0%		\$ 142,752
12371	2015	Interchange Scheduling Mgt	\$ 341,136	\$ 341,136	\$ -	0%		\$ 341,136

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12504	2011/ 2012/ 2013	RIMS 5	\$ 932,834	\$ 932,834	\$ 152,933	16%	\$ 84,000	\$ 695,901
12505	2014	Lincoln Operation Center	\$ 4,245,100	\$ 4,245,100	\$ 1,069,393	25%		\$ 3,175,707
12507	2014	Access Identity Mgt	\$ 112,700	\$ 112,700	\$ 22,930	20%		\$ 89,770
12509	2015	2015 Campus Operations	\$ 265,000	\$ 265,000	\$ 21,599	8%	12,097	231,304
12510	2015	Alhambra Video Wall	\$ 225,000	\$ 225,000	\$ -	0%		225,000
12625	2013	IOOC Equipment Purchase	\$ 283,000	\$ 283,000	\$ 31,937	11%		251,063
12633	2015	2015 Hardware Budget	\$ 2,000,000	\$ 2,000,000	\$ 97,426	5%	310,765	1,591,809
13254	2015	EIM Year 1 Enhancements	\$ 880,500	\$ 840,500	\$ 31,648	4%	470,840	378,012

Total Active Projects \$ 20,559,076 \$ 20,519,076 \$ 5,413,368 \$ 4,514,018 \$ 10,631,690

Active Requirements and Other Projects

21097	2011	Corporate Enhancements	\$ 250,000	\$ 250,000	\$ 206,755	83%		\$ 43,245
21112	2012	Analytics & Reporting Database	\$ 18,200	\$ 18,200	\$ 10,400	57%		\$ 7,800
21133	2012	Compliance Automation & Controls Governance	\$ 673,377	\$ 673,377	\$ 507,939	75%		\$ 165,438
21146	2013	Architecture Projects	\$ 788,895	\$ 788,895	\$ 691,915	88%		\$ 96,980
21161	2013	Data Visualization for RTCA Results	\$ 26,250	\$ 26,250	\$ 26,544	101%		\$ (294)
21167	2013	MOSES Replacement	\$ 28,500	\$ 28,500	\$ 27,509	97%		\$ 991
21172	2013	OMAR Replacement	\$ 60,000	\$ 60,000	\$ 64,639	108%		\$ (4,639)
21173	2015	OMS 2014 Project CR	\$ 155,000	\$ 155,000	\$ 116,830	75%		\$ 38,170
21185	2013	Logging Replacement Project	\$ 43,875	\$ 44,077	\$ 44,077	100%		\$ -
21189	2014	Many to Many Outage Substitution- Non Capital	\$ 88,034	\$ 88,034	\$ 88,034	100%		\$ -

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21192	2013	Expanding Metering & Telemetry Stakeholder Initiative	\$ 15,000	\$ 15,000	\$ 7,335	49%		\$ 7,665
21195	2012/ 2013/ 2014	SOA Upgrades - Web Service	\$ 1,582,060	\$ 1,636,921	\$ 1,576,845	100%	\$ 49,525	\$ 10,550
21196	2013	Lincoln Operations Center Non- Capital	\$ 352,000	\$ 352,000	\$ 327,948	93%		\$ 24,052
21198	2014	Electronic Records Retention	\$ 138,476	\$ 138,476	\$ 68,141	49%		\$ 70,336
21202	2014	2014 Operations Non Capital	\$ 233,400	\$ 231,400	\$ 233,400	100%		\$ (2,000)
21204	2014	EMS Replacement Requirements	\$ 371,000	\$ 360,990	\$ 319,125	86%	\$ 41,865	\$ -
21205	2014	CUI --Implementation in Systems	\$ 29,000	\$ 29,000	\$ 27,736	96%		\$ 1,264
21206	2014	BAL-003 Frequency Response	\$ 19,000	\$ 19,000	\$ 9,412	50%		\$ 9,588
21208	2014	Audit Reporting & Compliance Phase 2	\$ 125,976	\$ 125,976	\$ 36,954	29%		\$ 89,022
21211	2014	Commitment Cost Enhancements	\$ 88,487	\$ 88,487	\$ 76,428	86%		\$ 12,060
21213	2014	Energy Cost & Indices Calculaion	\$ 89	\$ 89	\$ 89	100%		\$ -
21214	2014	Exceptional Dispatch 3.0	\$ 39,360	\$ 39,360	\$ 46,378	118%		\$ (7,018)
21215	2015	EIM Year end Non Capital Cost	\$ 10,000	\$ 50,000		0%		\$ 50,000
21216	2014	Master File to SOA Modeling	\$ 722,354	\$ 722,354	\$ 67,123	9%	\$ 273,580	\$ 381,652
21218	2014	Balance Area Ramping Requirements 2.0	\$ 24,000	\$ 24,000	\$ 23,540	98%		\$ 460
21221	2015	Reliability Services Initiative Requirements	\$ 20,306	\$ 20,306	\$ 19,592	96%		\$ 714
21222	2014	Mobility Apps	\$ 99,750	\$ 99,750	\$ 20,375	20%		\$ 79,375
21223	2014	Flexible Ramping Product	\$ 30,000	\$ 30,000	\$ 14,875	50%		\$ 15,125
21224	2014	EMS Requirements	\$ 25,065	\$ 25,065	\$ 24,840	99%		\$ 225
21226	2015	Interchange Scheduling Mgt Improve. & Automation	\$ 19,320	\$ 19,320	\$ 11,836	61%		\$ 7,484
21227	2015	Convergence Bidding on the Interties	\$ 21,340	\$ 21,340	\$ 19,916	93%		\$ 1,424

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21228	2015	Pricing Enhancements	\$ 7,015	\$ 7,015	\$ 7,015	100%		\$ -
21229	2015	Peak RC Data Collection	\$ 36,195	\$ 36,195	\$ 44,756	124%		\$ (8,561)
21230	2015	Commitment Costs Phase 2	\$ 36,000	\$ 36,000	\$ 22,675	63%		\$ 13,325
21232	2015	Capacity Procurement Mechanism	\$ 13,200	\$ 13,200	\$ 23,954	181%		\$ (10,754)
21233	2015	WebSDK Standardization & IE 11 Compliance	\$ 313,053	\$ 313,053	\$ 17,640	6%		\$ 295,413
21236	2015	Post Market Consolidation	\$ 28,800	\$ 28,800	\$ 2,880	10%		\$ 25,920
21237	2015	DR Enhancement for Operations	\$ 45,600	\$ 45,600	\$ 14,880	33%	25,725.00	\$ 4,995
21238	2015	CQ-QC Defect Exchange Process	\$ 48,275	\$ 48,275	\$ -	0%		\$ 48,275
21239	2015	Data Transparency	\$ 13,000	\$ 13,000	\$ 4,080	31%		\$ 8,920
21240	2015	ALFS Forecasting Improvements	\$ 24,000	\$ 24,000	\$ 2,040	9%		\$ 21,960
21241	2015	Post Implementation OMS Enhancements	\$ 28,000	\$ 28,000	\$ 5,690	20%		\$ 22,310
21242	2015	VER Forecast Data Storage	\$ 14,000	\$ 14,000	\$ -	0%		\$ 14,000
21243	2015	Access Identity Mgt Requirements	\$ 16,000	\$ 16,000	\$ 960	6%		\$ 15,040
21246	2015	Peak RC Funding	\$ 12,000	\$ 12,000	\$ -	0%		\$ 12,000
21247	2015	EMMS Phase 3C Requirements	\$ 43,200	\$ 43,200	\$ -	0%		\$ 43,200
<i>Total Requirements & other Pr</i>			<i>\$ 6,776,451</i>	<i>\$ 6,859,505</i>	<i>\$ 4,863,099</i>		<i>\$ 390,695</i>	<i>\$ 1,605,712</i>
<i>Grand Total Active Projects</i>			<u><i>\$ 27,335,528</i></u>	<u><i>\$ 27,378,581</i></u>	<u><i>\$ 10,276,467</i></u>		<u><i>\$ 4,904,712</i></u>	<u><i>\$ 12,237,402</i></u>

FERC

13252	2013	Market Rerun Enhancements	\$ 1,000,000	\$ 1,000,000	\$ 832,730	83%	148,975.00	\$ 18,295
21177	2014							

NV Energy

13254	2013	NV Energy Implementation Cost	\$ 1,100,000	\$ 1,100,000	\$ 28,780	3%	638,900.00	\$ 432,320
21177	2014							