

**2010-2014 California ISO Active Projects as of March 31, 2014**

Capital ID #	Year Approved	Project Description	Approved Budgets	Forecast	Project to Date 2014	\$ % Compl't	Issued Contracts Unbilled	Total Remaining BALANCE
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**Full Funding for Active Capital Projects**

12205	2012	Enterprise Model Management (EMMS) Phase 2	\$ 1,074,135	\$ 1,074,135	\$ 547,309	51%	\$ 471,765	\$ 55,061
12207	2012/ 2013	Full Network Model Expansion	\$ 2,292,249	\$ 2,292,249	\$ 549,130	24%	\$ 1,362,922	\$ 380,197
12209	2013	Network Application (NA) Enhancements	\$ 1,392,496	\$ 1,405,279	\$ 916,452	66%	\$ 327,712	\$ 148,332
12210	2014	Oracle eBusiness Upgrade	\$ 950,876	\$ 792,300	\$ 50,100	5%	\$ 693,000	\$ 207,776
12211	2014	Ramp Planning & Regulation Prediction Tool	\$ 172,000	\$ 136,900	\$ -	0%		\$ 172,000
12212	2014	Real Time Contingency Analysis	\$ 284,800	\$ 284,800	\$ -	0%		\$ 284,800
12302	2010/ 2011	Voltage Stability Analysis (VSA) Day Ahead Reporting & Analysis	\$ 1,006,000	\$ 1,006,000	\$ 682,937	68%	\$ 61,820	\$ 261,243
12332/ 21138	2012/ 2013	Market Services 2012-2013	\$ 650,000	\$ 650,000	\$ 431,488	66%	\$ 194,320	\$ 24,192
12342/ 21184	2012/ 2013	FERC 764 15 minute Scheduling with Dynamic Transfers	\$ 4,313,338	\$ 4,551,666	\$2,634,347	61%	\$ 991,857	\$ 687,134
12346	2012	Circular Scheduling Market Rule	\$ 302,680	\$ 302,680	\$ 67,600	22%	\$ 54,880	\$ 180,200
12348/ 21171	2013	2013 Operating Enhancements	\$ 1,000,000	\$ 1,000,000	\$ 716,037	72%	\$ 184,190	\$ 99,773
12349	2013	Contingency Modeling Enhancements	\$ 1,498,160	\$ 1,498,160	\$ 924,818	62%	\$ 399,877	\$ 173,466
12351	2013	Renewable Integration - Market & Product Review (RI-MPR) with Bid Cost Recovery Rules & Mitigation Measures & Mandatory Multi-Stage Generation (MSG) Requirements	\$ 400,037	\$ 400,037	\$ 155,659	39%	\$ 200,410	\$ 43,968
12353	2013	System Operation Limits	\$ 73,181	\$ 62,671	\$ 62,671	86%		\$ 10,510
12355	2013	Integrated Optimal Outage Coordination	\$ 1,046,000	\$ 1,046,000	\$ 90,136	9%	\$ 519,440	\$ 436,424
12356	2013	Revisions to Price Correction Requirements	\$ 116,609	\$ 116,609	\$ 40,064	34%	\$ 58,310	\$ 18,236
12357	2014	2014 Operations Enhancements	\$ 1,000,000	\$ 1,000,000	\$ 4,017	0%	\$ 928,800	\$ 67,183
12358	2014	Many to Many Outage Substitution	\$ 588,775	\$ 588,775	\$ 30,661	5%		\$ 558,114
12504	2012/ 2013/ 2014	Resource Interconnection Management (RIMS) 5 Requirements	\$ 997,534	\$ 997,534	\$ 94,936	10%		\$ 902,598
12506	2014	2014 Campus Operations Projects	\$ 310,800	\$ 310,800	\$ 18,674	6%	\$ 112,222	\$ 179,904
12507	2014	Access Identity Management	\$ 128,700	\$ 128,700	\$ -	0%		\$ 128,700
12508	2014	Control Room Upgrade Furniture and Hardware	\$ 171,200	\$ 171,200	\$ -	0%	\$ 150,000	\$ 21,200
12622	2013	Network Equipment Purchases	\$ 1,501,000	\$ 1,501,000	\$ 319,938	21%	\$ 530,254	\$ 650,808
12623	2014	2014 Hardware & Software Purchases	\$ 2,004,000	\$ 2,004,000	\$ 954,256	48%	\$ 393,550	\$ 656,194
12625	2013	Integrated Optimal Outage Coordination Equipment Purchase	\$ 283,000	\$ 283,000	\$ -	0%	\$ 33,152	\$ 249,848

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12628	2014	LawBase Software	\$ 21,250	\$ 23,000	\$ -	0%	\$ 23,000	\$ (1,750)
12629	2014	Video Conference Equipment	\$ 51,476	\$ 51,476	\$ -	0%	\$ 11,397	\$ 40,079
13251/ 21163	2013/ 2014	Energy Imbalance Market	\$ 2,882,535	\$ 2,882,535	\$ 543,917	19%	\$ 1,176,970	\$ 1,161,648

<b>Total Active Procts</b>	<b>\$ 26,512,831</b>	<b>\$ 26,561,506</b>	<b>\$ 9,835,149</b>	<b>\$ 8,879,846</b>	<b>\$ 7,797,836</b>
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**Active Requirements and Other Projects**

21097	2011	Corporate Enhancements	\$ 250,000	\$ 250,000	\$ 170,180	68%		\$ 79,820
21100	2011/ 2012	System Upgrade Testing	\$ 121,440	\$ 121,440	\$ 95,348	79%		\$ 26,091
21109	2012	Plug-in Electric Vehicles (PEV) Grid Integration Analysis	\$ 9,600	\$ 9,600	\$ 7,021	73%		\$ 2,579
21112	2012	Analytics & Reporting Database	\$ 18,200	\$ 18,200	\$ 10,400	57%		\$ 7,800
21133	2012	Compliance Automation & Controls Governance	\$ 673,377	\$ 673,377	\$ 480,923	71%		\$ 192,454
21134	2012	Grid State Indicator	\$ 20,000	\$ 20,000	\$ 7,360	37%		\$ 12,640
21143	2012	Secondary E-Tagging System	\$ 548,190	\$ 548,190	\$ 257,057	47%	\$ 204,461	\$ 86,672
21146	2013	Architecture Projects	\$ 788,895	\$ 788,895	\$ 673,565	85%	\$ 40,900	\$ 74,431
21161	2013	Data Visualization for Real Time Contingency Analysis (RTCA)	\$ 26,250	\$ 26,250	\$ 23,782	91%		\$ 2,468
21164	2013	Ramp Planning & Regulation Prediction Tool	\$ 23,630	\$ 23,630	\$ 23,005	97%		\$ 625
21167	2013	Market Operation Spreadsheet Enhancements (MOSES) Replacement	\$ 28,500	\$ 28,500	\$ 27,509	97%		\$ 991
21172	2013	Operational Meter Analysis and Reporting (OMAR) Replacement	\$ 60,000	\$ 65,000	\$ 64,639	108%		\$ (4,639)
21173	2013	Outage Management System Replacement	\$ 2,283,190	\$ 2,283,190	\$ 529,972	23%	\$ 1,324,850	\$ 428,368
21180	2013	Control Area Scheduler Annual Enhancements	\$ 70,000	\$ 70,000	\$ -	0%	\$ 70,000	\$ -
21182	2013/ 2014	Flexible Resource Adequacy Criteria & Must Offer Obligation	\$ 49,900	\$ 49,900	\$ 32,394	65%		\$ 17,506
21185	2013	Logging Replacement Project	\$ 34,280	\$ 34,280	\$ 25,639	75%		\$ 8,641
21192	2013	Expanding Metering & Telemetry Stakeholder Initiative	\$ 15,000	\$ 15,000	\$ 3,425	23%		\$ 11,575
21194	2013	Mobile Application Enhancements	\$ 259,400	\$ 259,400	\$ 4,800	2%	\$ 180,460	\$ 74,140
21195	2012/ 2013/ 2014	Service Oriented Architecture (SOA) Implementations	\$ 1,033,730	\$ 1,033,730	\$ 43,700	4%	\$ 132,110	\$ 857,920

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21196	2013	Business Continuity	\$ 302,000	\$ 302,000	\$ 110,699	37%		\$ 191,301
21198	2014	Electronic Records Retention	\$ 42,000	\$ 42,000	\$ 4,196	10%		\$ 37,804
21199	2014	FERC Order 789 - Reliability Standard	\$ 38,000	\$ 38,000	\$ 9,115	24%		\$ 28,885
21201	2014	Parallel operation for Real Time Contingency Analysis (RTCA)	\$ 25,000	\$ 25,000	\$ 5,009	20%		\$ 19,991
21204	2014	Energy Management System (EMS) Replacement Requirements	\$ 371,000	\$ 371,000	\$ -	0%	\$ 358,000	\$ 13,000

**Total Requirements and Other Projects**    \$ 7,091,581    \$ 7,096,581    \$ 2,609,738    \$ 2,310,781    \$ 2,171,062

**Grand Total Active Projects**                \$ 33,604,412    \$ 33,658,087    \$ 12,444,887    \$ 11,190,628    \$ 9,968,898

**PacifiCorp Implementation Budget**

13250	2013	PacifiCorp Implementation	\$ 2,562,800	\$ 2,562,800	\$ 5,009	0%	\$ 535,710	\$ 2,022,081
21162	2014							

**FERC Funding**

13252	2013	Market Rerun Enhancements	\$ 1,000,000	\$ 893,389	\$ 6,997	1%	\$ 358,000	\$ 635,003
21177	2014							