

**2010-2013 California ISO Active Projects as of April 30, 2013**

Capital ID #	Year Approved	Project Description	Approved Budgets	Forecast/ Actual	Project to Date 2013	\$ % Complt	Issued Contracts Unbilled	Total Remaining BALANCE
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**Active Capital Projects**

12201	2012	Automated Load Forecast System (ALFS) 5 Upgrade	\$ 228,225	\$ 261,575	\$ 178,339	78%	\$ 7,083	\$ 42,804
12204	2012	Market Validation Tool (MVT)	\$ 246,612	\$ 246,612	\$ 45,887	19%	\$ 125,000	\$ 75,725
12205	2012	Enterprise Model Management (EMMS) Phase 2	\$ 1,054,545	\$ 1,054,545	\$ 25,999	2%	\$ 902,729	\$ 125,817
12206	2012	Resource Interconnection Management System (RIMS) - Generation	\$ 226,200	\$ 226,200	\$ 28,826	13%		\$ 197,374
12207	2013	Full Network Model Expansion	\$ 1,000,000	\$ 1,000,000	\$ -	0%		\$ 1,000,000
12208	2013	WebSDK Enhancements	\$ 39,160	\$ 39,160	\$ -	0%	\$ 39,160	\$ -
12209	2013	Network Application Enhancements	\$ 1,392,496	\$ 1,392,496	\$ -	0%	\$ 1,191,680	\$ 200,816
12302	2010/2012	Voltage Stability Analysis (VSA) Day Ahead Reporting & Analysis	\$ 1,006,000	\$ 1,006,000	\$ 595,455	59%	\$ 82,507	\$ 328,038
12313	2011	Dynamic Stability Analysis - (DSA) Phase 1,2	\$ 693,340	\$ 693,340	\$ 585,322	84%	\$ 34,000	\$ 74,018
12323	2012	Procedure Redesign Phase 2	\$ 314,605	\$ 314,605	\$ 292,230	93%		\$ 22,375
12327	2011/2012	Enterprise Model Management (EMMS) Phase 1	\$ 1,557,000	\$ 1,557,000	\$ 1,440,730	93%	\$ 42,500	\$ 73,770
12328	2011	Enhanced Management of Operating Reserves	\$ 240,000	\$ 240,000	\$ 49,716	21%		\$ 190,284
12332	2012/2013	Market Services Enhancements 2012	\$ 635,540	\$ 635,540	\$ 156,515	25%	\$ 300,360	\$ 178,665
12334	2012	Access Identity Management (AIM)	\$ 287,868	\$ 287,868	\$ 61,146	21%		\$ 226,722
12338	2012	Multi-Stage Generation (MSG) Phase 3	\$ 271,056	\$ 271,056	\$ 111,322	41%	\$ 138,180	\$ 21,554
12340	2012	Pay for Performance - FERC 755	\$ 1,330,840	\$ 1,330,840	\$ 1,107,308	83%	\$ 148,045	\$ 75,487
12341	2012	Replacement Requirements for Scheduled Generation Outages (RRSGO)	\$ 355,000	\$ 355,000	\$ 173,685	49%		\$ 181,315
12342	2012	Dynamic Transfers	\$ 1,416,718	\$ 1,416,718	\$ 187,740	13%	\$ 783,540	\$ 445,438
12343	2012	Local Market Power Mitigation (LMPM) Enhancement Design	\$ 951,000	\$ 951,000	\$ 633,035	67%	\$ 107,500	\$ 210,465
12344	2012	Master File Enhancements Phase 2 -	\$ 104,801	\$ 104,801	\$ 15,424	15%		\$ 89,377
12346	2012	Circular Scheduling Market Rule	\$ 302,680	\$ 302,680	\$ 19,386	6%		\$ 283,294
12347	2012	Ancillary Services (AS) Buy Back	\$ 115,800	\$ 115,800	\$ 11,288	10%		\$ 104,512
12348	2013	2013 Operations Enhancements	\$ 1,000,000	\$ 1,000,000	\$ 3,306	0%	\$ 700,000	\$ 296,694
12349	2013	Contingency Modeling Enhancements	\$ 1,500,000	\$ 1,500,000	\$ -	0%	\$ 1,230,390	\$ 269,610
12350	2013	Participating Intermittent Resource Program (PIPR) Logic Changes	\$ 128,008	\$ 128,008	\$ -	0%		\$ 128,008
12351	2013	Renewable Integration-Market & Product Review, (RI-MPR) w/Bid Cost Recovery Rules Mitigation Measures and Mandatory Multi-Stage Generation (MSG)	\$ 353,600	\$ 353,600	\$ -	0%		\$ 353,600
12352	2013	Commitment Cost Refinements 2013	\$ 253,800	\$ 253,800	\$ -	0%		\$ 253,800
12353	2013	System Operation Limits	\$ 59,478	\$ 59,478	\$ -	0%		\$ 59,478
12500	2012	2012 Facilities Projects	\$ 221,315	\$ 221,315	\$ 108,233	49%	\$ -	\$ 113,082
12503	2013	2013 Facilities Projects	\$ 132,558	\$ 132,558	\$ 1,999	2%	\$ -	\$ 130,560

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12611	2011	Integration Improvements	\$ 168,345	\$ 168,345	\$ 168,345	100%		\$ -
12619-12621	2013	Hardware and Software Purchase 2013	\$ 2,436,166	\$ 2,436,166	\$ 734,385	30%	\$ 699,178	\$ 1,002,604
<b>Total Active Capital Projects</b>			<b>\$ 20,022,755</b>	<b>\$ 20,056,105</b>	<b>\$ 6,735,619</b>		<b>\$ 6,531,851</b>	<b>\$ 6,755,285</b>

**Active Requirements and Other Projects**

21052	2011	Website Renovation	\$ 1,569,512	\$ 1,569,512	\$ 1,511,010	96%		\$ 58,502.84
21080	2011	Enabling Storage / Battery Storage Pilot	\$ 140,000	\$ 140,000	\$ 104,170	74%		\$ 35,830
21097	2011	Corporate Enhancements	\$ 250,000	\$ 250,000	\$ 96,739	39%		\$ 153,261
21100	2011	Hardware Upgrade System Testing	\$ 106,488	\$ 106,488	\$ 92,340	87%		\$ 14,147
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
21116	2012	Flexible Ramping Product	\$ 50,000	\$ 50,000	\$ 30,975	62%		\$ 19,025
21118	2012	Physical Security Access Control Systems	\$ 5,860	\$ 6,446	\$ 6,446.00	110%		\$ -
21129	2012	Renewable Integration-Market & Product Review, (RI-MPR) Requirements	\$ 48,000	\$ 48,000	\$ 39,599.80	82%		\$ 8,400
21133	2012/2013	Compliance Automation & Controls Governance	\$ 673,377	\$ 673,377	\$ 68,160	10%		\$ 605,217
21134	2012	Grid State Indicator	\$ 20,000	\$ 20,000	\$ 7,360	37%		\$ 12,640
21136	2012	Circular Scheduling Market Rule	\$ 43,015	\$ 43,015	\$ 43,015	100%		\$ -
21138	2012	Market Services 2012 Non Capital	\$ 14,460	\$ 14,460	\$ 14,460	100%		\$ -
21141	2012	Strategic Alignment & Focus	\$ 385,000	\$ 385,000	\$ 68,914	18%		\$ 316,086
21143	2012	Secondary E-Tagging System	\$ 300,000	\$ 300,000	\$ 17,653	6%		\$ 282,348
21145	2012/2013	Audit Reporting & Compliance	\$ 7,845	\$ 7,845	\$ 2,721	35%		\$ 5,123.85
21146	2013	Architecture Projects	\$ 487,940	\$ 349,940	\$ 24,419.07	5%	\$ 100,300	\$ 225,221
21147	2012	Ancillary Services (AS) Buy Back Requirements	\$ 3,500	\$ 3,500	\$ 2,981	85%		\$ 519
21148	2013	Resource Interconnection Management System (RIMS) -5	\$ 30,000	\$ 30,000	\$ 19,833.13	66%		\$ 10,167
21149	2013	eDiscovery	\$ 176,666	\$ 176,666	\$ 26,352.89	15%		\$ 150,313
21151	2013	Network Applications Architecture Improvements	\$ 18,000	\$ 18,000	\$ 2,152.50	12%		\$ 15,848
21154	2013	System Operation Limits	\$ 21,000	\$ 21,000	\$ 19,860.97	95%		\$ 1,139
21155	2013	Commitment Cost Initialization	\$ 67,800	\$ 67,800	\$ 10,503.90	15%		\$ 57,296
21156	2013	Apache Software Installation	\$ 92,000	\$ 92,000	\$ 52,569.50	57%		\$ 39,431
21157	2013	Microsoft Active Directory Lightweight Directory Services (ADLDS) Software Installation	\$ 179,200	\$ 179,200	\$ -	0%		\$ 179,200
21158	2013	Automated Load Forecast System (ALFS) 5 Upgrade to Service Oriented Architecture (SOA)	\$ 16,675	\$ 16,675	\$ 6,210	37%		\$ 10,465
21159	2013	FERC 764 15 minute Scheduling & Settlement Requirements	\$ 44,573	\$ 44,573	\$ 20,180.00	45%		\$ 24,393
21161	2013	Data Visualization for Real Time Contingency Analysis (RTCA) Results	\$ 16,250	\$ 16,250	\$ 893.75	6%		\$ 15,356

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21164	2013	Ramp Planning & Regulation Prediction Tool	\$ 20,980	\$ 20,980	\$ 1,265.00	6%		\$ 19,715
21167	2013	Market Operation Tools (MOSES) Replacement	\$ 23,500	\$ 23,500	\$ -	0%		\$ 23,500
21169	2013	Outage Optimization	\$ 48,000	\$ 48,000	\$ -	0%		\$ 48,000
21170	2013	Gross Scheduling Energy for Partial Qualified Facilities (QF)	\$ 25,000	\$ 25,000	\$ -	0%		\$ 25,000
21172	2013	Operational Meter Analysis & Reporting (OMAR) Enhancements	\$ 25,000	\$ 25,000	\$ -	0%		\$ 25,000
<b>Total Requirements and Other Projects</b>			<b>\$ 4,937,441</b>	<b>\$ 4,800,027</b>	<b>\$ 2,308,207</b>			<b>\$ 100,300 \$ 2,391,520</b>
<b>Grand Total Active Projects</b>			<b>\$ 24,960,196</b>	<b>\$ 24,856,132</b>	<b>\$ 9,043,826</b>			<b>\$ 6,632,151 \$ 9,146,805</b>