

Preliminary 2013-2014 Proposed Capital and Project Listing

Analysis Data Repository
Ancillary Services (AS) Buy Back
Ancillary Services (AS) Forecasting System
Architecture Improvements / Technology Roadmap
Assessment of Visibility and Control Options - Phase 2
Bid Cost Recovery Phase 1
Circular Scheduling
Corporate Systems Enhancements Project
Customer Experience Improvement Initiative
Customer Inquiry, Dispute & Information (CIDI) Functionality expansion including Phase II of the CIDI to SMC
Bridge for Change Requests
Demand Response Pilot
Distributed Energy Resources (DER) Enhancements
Dynamic Transfers
eDiscovery for Legal
Energy Management System (EMS) Intelligent Alarm Processing
Energy Management System (EMS) Automatic Generation Control (AGC) Enhancements
Energy Storage Pilot
Exempting Inter-SC Trades from Commodity Futures Trading Commission (CFTC)
Export of Ancillary Service
Extending the Network Model
Facilities Projects
FERC Order 755 - Compensation for Regulation
Flexible Capacity Procurement
Flexible Ramping (Market Product) / Simultaneous residual unit commitment and integrated forward market
Forecast Optimizer
Hardware & Software Purchases
Hour Ahead and Resiliency & Single Points of Failure Remediation
Implement applicable components of Demand Response standard
Implement enterprise model management systems (EMMS)
Implement Predictive Automatic Generation Control (AGC)
Improving Deliverability Study Efficiency
Initialization Funding for Capital Projects
Intertie Pricing and Settlement
Local Market Power Mitigation (LMPM) Enhancement / 15 min Market Power Mitigation (MPM)
Marginal Loss Surplus Allocation
Market Services Enhancements 2013
Non-Generator Resources in Ancillary Services Market Requirements- Regulation Energy Management -
Dispatchable Demand Response (DDR)
Operational meter analysis & reporting new features, corrections, and automation
Operations Enhancements 2013

Outage Coordination (Optimization)
Outage Management System (OMS) Phase 3
Participating Intermittent Resource Project (PIRP) Decremental Bidding
Plug-in Electric Vehicles to Grid pilot
Price-responsive wholesale to retail demand pilot project
PROBE Software Enhancements
Program Office Internal Labor
Pseudo-tie for Load pilot
Ramp Forecasting Tools
Upgrade Automated Dispatch System (ADS)
Resources Interconnection Management System (RIMS) Enhancements 2013
Second Renewable Forecasting System
Smart Grid - Thermal Dynamic Line Ratings Assessment
Smart Grid California Energy Commission Phasor project
Smart Grid Technology Center Upgrade
Solar Forecasting using Skytracker
Standard Capacity Product phase 3
State Estimator Enhancements
Subset of Hours for all Resources (includes updates to Exceptional Dispatch)
Testing Automation Phase 3
Topology Estimation
Transmission Planning & Cost Allocation - FERC Order 1000
Two Tier Real Time Uplift
Upgrades to Oracle business suite software – human resources, finance, procurement and market clearing

Total Proposed Capital and Projects Budget for 2013 Estimated \$19.5M