2016-2017 Preliminary Project Listing
Access Identity Management (AIM) 2016
Administrative Pricing Rule
Advanced hot-start per iteration within the same run
Alerts, Warnings, and Emergencies (AWE) messaging
Analytics and reporting data base
Annual initialization funding for capital projects
Application technologies security assessment
Automated load forecasting system (ALFS) improvements
BAL 003 Frequency Response
Business continuity technology improvements
CAISO.COM mobile & web improvements
Capacity procurement mechanism (CPM) replacement
Clean build /implement a master configuration setting for Siemens applications
Commitment cost enhancements phase 2
Commitment reasons final phase
Common user interface (CUI) enhancements
Compare and validate projected market results (DA2, DA1, STUC, RTPD, RTD, VSA, DSA) to state estimator results
Compensating injections revamp to accommodate full network model expansion
Consolidation DREAMS, SAMC, MQS, Metering, Demand Response and misc. pre-calcs
Constraint parameter enhancement
Data automation for outages and re-rates
Demand response registration
Economic study tool enhancements and consulting services
eCredit
Enabling demand response
Energy balance market economic studies
Energy management system replacement
Enhanced generation contingency model for markets
Exception dispatch 3.0 (Phase 2)
Existing transmission contract calculator (ETCC) replacement

2016-2017 Preliminary Project Listing
Expand metering and telemetry options phase 2
Expand voltage stability analysis (VSA) to include renewable variability
Ex-post pricing
Facilities annual requests
Flexible ramping (market product) / simultaneous residual unit commitment and integrated forward market
Geo database enhancement to consume enterprise model management system(EMMS) incremental changes
Grid state indicator
Group constraint enhancement
Have voltage stability analysis generate alerts to identify potential angle violation following a contingency.
ICCP 2008R2 Upgrade
Implement enterprise data repository (EDR) for non-production systems
Implement the automation of mimicking production as designed, agreed upon few years ago.
Improve patching and deployment to minimize planned unavailability
Incorporate the energy management system (EMS) simulator workarounds to become part of Siemens final design plans to improve performance and support.
Incorporate the IFM/RTM workarounds, handed to Siemens, to become part of Siemens final design plans to improve performance and support.
Incorporate the MSG transition and aggregate transition
Incorporation of operations non-core tools into final destination
Intelligent user interface (UI) for operations
Load aggregation point granularity
Load distribution Factor (LDF) Enhancement
Many to many substitution/app consolidation
Marginal loss surplus allocation
Market design comprehensive review
Market participant operations transparency project
Market participant portal redesign
Market quality renewables integration
Market quality system (MQS) redesign
Market Validation Tools (Phase 2 and 3)
Master Generation Database/Master File Migration Project

2016-2017 Preliminary Project Listing

Misc. Hardware & Software 2016

Mitigate pricing impact of multiple overloaded transmission constraints

Move Interest Calculations from Market Clearing to Settlements

Multi-stage generation (MSG) improvements 2016

Network and security improvements

Non-generator resources in ancillary services market requirements (REM Project)

Operational meter analysis & reporting (OMAR) Replacement (metering replacement)

Operations & market services enhancements 2016

Operations system usability redesign - 5 year program

Outage optimization phase 2

Parallel operations

Perfect rollback for all applications

Phase shifter modeling in energy management system (EMS)/market applications

Plug-in electric vehicle (PEV) Grid Integration Analysis

Post outage management system implementation improvements

Price corrections automation

Program office internal labor 2016

Real time contingency analysis (RTCA) enhancements

Reduction in CPS1 violations project

Reference and index calculation

Reliability demand response product (RDRP) Order 745 Compliance

Renewable forecasting system

Replacing and/or consolidating database software

Rerun stabilization

Service oriented architecture (SOA) Improvements phase 2

Solar forecasting using sky tracker

Stabilize market inputs

State estimator enhancements

Support efficiency Improvements

Technology pilots and demonstrations

Topology estimation

2016-2017 Preliminary Project Listing
Transmission register enhancements
Turret Phone System Replacement for Grid Operations:
Upgrade MV90 to newer version
Voice of the customer – candidate projects
Voltage stability analysis (VSA) Integration into the market (closed loop)
Web service standardization
Wide area management system / Synchrophasor R&D