

| | 7/1/2014 | Master Stakeholder Engagement Plan | _ | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|----------------|---------------------------------------------------------------|--------|--------|---------------|-----------------|--------|-------------|-------------------|----------|------------------|--------|--------|---------------|--------|----------|--------|----------|--------|--------|--------|-------------------------|---------------|---------------|--------|--|
| Release | Phase | Initiative | Jan-14 | Feb-14 | Mar-14 | Apr-14 | May-14 | Jun-14 | Jul-14 Au | ıg-14 Se | ep-14 Oct-14 | Nov-14 | Dec-14 | Jan-15 | Feb-15 | Mar-15 | Apr-15 | Мау-14 . | Jun-15 | Jul-15 | Aug-15 | Sep-15 | Oct-15 N | Nov-15 | Dec-15 | |
| | Policy | Pricing Enhancements | 7 | | | | | | | | | | | | | | | | | | | | | | | |
| | Policy | Contingency Modeling Enhancements | | | | | | | | | | | | \rightarrow | | | | | | | | | | | | |
| | Policy | Expanding Metering and Telemetry Options Phase 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| | Policy | Flexible Ramping Product | | | | | | \triangle | | | | | | | | | | | | | | | | | | |
| | Policy | Multi-Year Reliability Framework | | | | | | | \longrightarrow | | | | | | | | | | | | | | | | | |
| | Policy | Reliability Services | | | | | · | | | | | | | | | | | | | | | | | | | |
| i j | Policy | Transmission planning standards | | | | | | | | > | <u> </u> | | | | | | | | | | | | | | | |
| olicy | Policy | Energy Storage Interconnection | | | | | | | | | | | | | | | | | | | | | | | | |
| ď | Policy | Contingency Reserve Cost Allocation | | | | | | | | | | | | | | | | | | | | | | | | |
| | Policy | Commitment Costs Enhancements | | | | | | | | | | | | | | | | | | | | | | | | |
| | Policy | Interconnection Process Enhancements | | | | | | | | | | | | | | | | | | | | | | | | |
| | Policy | EIM Enhancements | | | | | | \triangle | | | \rightarrow | | | | | | | | | | | | | | | |
| | Policy | Capacity Procurement Mechanism Replacement | | | | | | \triangle | | | | | | | | | | | | | | | | | | |
| Recurring | Recurring | 2014 Local Capacity Requirements (LCR Study) | | | \rightarrow | Website 2014 | | | | | | | | | | | | | | | | | | | | |
| | Recurring | GMC / Budget Process | | | | Δ- | | | | | | | | | | | | | | | | | | | | |
| ecui | Recurring | PTO Per Unit Cost | | | | | | | | | | | | | | | | | | | | | | | | |
| Ω ⊑ | Recurring | Transmission Planning Process | | | 2013-14 | 7 | | | | | | | | | | | | | | | | | | | | |
| Independent | Implementation | Acceptable Use Policy Phase 1 & 2 | | | | | * | * | * | | | | | | | | | | | | | | | | | |
| | Implementation | Flexible Resource Adequacy Criteria and Must Offer Obligation | | | | | | | | | | * | | | | | | | | | | | | | | |
| | Implementation | DRS api | | | | | | | | | | | | | | | | | | | | | | | | |
| Fall 2014 | Implementation | Energy Imbalance Market | | | | | | | _ | | | | | | | | | | | | | | | | | |
| | Implementation | Full Network Model Expansion | | | | | | | | | | | | | | | | | | | | | | | _ | |
| | Implementation | Many-to-Many Substitution (SCP Availability Calculations) | | | | | | | | | | | | | | | | | | | | | | | | |
| | Implementation | Outage Management System Replacement | | | | | | | | <u> </u> | - 2 - | | | | | | | | | | | | | | | |
| | Implementation | BAL-002 Compliance | | | | | | | | | | | | | | | | | | | | | | | | |
| Spring 2015 | Implementation | Maintenance Release | | | | | | | | | | | | | | | - | | | | | | | | | |
| | Implementation | Many-to-Many Substitution / App Consolidation | | | | | | | | | | | | | | <u> </u> | | | | | | | | | | |
| | Implementation | Circular Scheduling | | | | | | | | | | | | | | | - | | | | | | | | | |
| | Implementation | Convergence Bidding at the Interties | | | | | | | | | | | | | | | | | | | | | | | | |
| | Implementation | EIM 2015 (NV Energy) | | | | | | | | | | | | | | | | | | | | | | | | |
| | • | BAL-003 Compliance | | | | | | | | | | | | | | | | | | | | - 3 | | | | |
| | Implementation | Subset of Hours | _ | | | | | | | | | | | | | | | | | | | | | | | |
| Fall 2015 | Implementation | RIMS Functional Enhancements | | | | | | | | | | | | | | | | | | | | | | | | |
| | Implementation | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| | Implementation | OMAR Replacement Project | | | | | | | | | | | | | | | | | | | | 7 | | | | |
| | Implementation | ADS UI Replacement and Web Service Standardization | | | | | | | | | | | | | | | | | | | | 7 | | | | |
| | Implementation | Expanding Metering and Telemetry Options - placeholder | | | | | | | | | | | | | | | | | | | | | | | | |
| | Implementation | Reliability Services - placeholder | | | | | | | | | | | | | | | | | | | | | | | | |
| | Implementation | Flexible Ramping Product - placeholder | | | | | | | | | | | | | | | | | | | | | | | | |
| | Policy | Aggregated Pumps and Pump Storage | | | | | | | | | | | | | | | | | | | | | | | | |
| | Policy | AS Substitution | | | | | | | | | | | | | | | | | | | | | | | | |
| | Policy | Bid Cost Recovery for Unit over Multiple Days | | | | | | | | | | | | | | | | | | | | | | | | |
| | Policy | Cost Allocation Overall Market Review | | | | | | | | | | | | | | | | | | | | | | | | |
| | Policy | Marginal Loss Surplus Allocation | | | | | | | | | | | | | | | | | | | | | | | | |
| TBD | Policy | Multi Day Unit Commitment | | | | | | | | | | | | | | | | | | | | Legend | | | | |
| | Policy | Reliability Must-Run Pump Load | | | | | | | | | | | | | | | | | | | Δ | | Policy - | Start | | |
| | Policy | Two Tier Real-Time Uplift | | | | | | | | | | | | | | | | | | | | Policy - Board Decision | | | | |
| | Policy | Competative Solicitation Process Enhancements | | | | | | | | | | | | | | | | | | | | | | $\overline{}$ | | |
| | Policy | Interconnection Process Enhancements 2015 | | | | | | | | | | | | | | | | | | | | | $\overline{}$ | | | |
| | Implementation | Standard Capacity Product Phase 3 | | | | | | | | | | | | | | | | | | | - | L | Market Sin | mulation | | |
| F SE | Planning | Enterprise Model Management | | | | | | | | | | | | | | | | | | | * | | Deployme | ent Date | | |
| Techn ology Roadm ap | Planning | External Technology Roadmap | | | | | | | | | | | | | | | | | | | * | E | ffective Date | | ıt | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |

Changes on 7/1/14

Acceptable Use Policy Phase 1 and 2 implementation - Mutual Authentication deployed to production June 16; additional services identified for enforcement; analysis of services requiring refactoring underway Pricing Enhancements - added Board decision date of December 2014

Added Interconnection Process Enhancements with Board decision for topics 13 and 14 in July 2014

Contingency Modeling Enhancements - Board decision date is to be determined and implementation removed until release is determined

Changed the start of the Energy Storage Interconnection policy initiative to April 2014 and the end to November 2014

Moved Competitive Solicitation Process Enhancements policy initiative to the TBD section

Added Capacity Procurement Mechanism Replacement with Board decision planned for January 2015

Added Interconnection Process Enhancements 2015 to TBD section

Changes on 6/2/14

Removed Interconnection Process Enhancements as approved in May 2014

Added EIM Enhancements policy initiative to start in Q2 2014

Moved start dates for following policy initiatives to June 2014: Flexible Ramping Product, Pricing Enhancements

Policy initiatives to start in Q2 2014: Competitive Solicitation Process Enhancements, Energy Storage Interconnection

Acceptable Use Policy implementation dates moved to 5/27/14 (OASIS) and 6/16/14 (mutual authentication)

Moved Flexible Resource Adequacy Criteria and Must Offer Obligation implementation to independent release with deployment date of 11/6/14

Phased Many-to-Many Substitution with Fall 2014 release to include SCP Availability Calculations functionality

Added Many-to-Many Substitution / App Consolidation to Spring 2015 release

Added activation of Convergence Bidding at the Interties to Spring 2015 release

Added EIM 2015 (NV Energy) to Fall 2015 release

Added BAL-003 Compliance to Fall 2015 release

Moved Subset of Hours from TBD to Fall 2015 release

Added RIMS functional enhancements to Fall 2015 release

Added OMAR replacement project to Fall 2015 release

Moved ADS UI Replacement and Web Service Standardization from TBD to Fall 2015 release

Capacity Market Conceptual Design from TBD section (replaced by Reliability Services Initiative)

Moved DRS api from TBD to Independent Releases (late summer or Fall 2014)

Added implementation placeholders to Fall 2015 Release that are currently in the policy phase: Expanding Metering and Telemetry Options, Reliability Services, Flexible Ramping Product

Moved Contingency Modeling Enhancements Board decision from July 2014 to September 2014 (tentative)

Changes on 5/5/14

Removed Spring 2014 Release as complete

Moved Acceptable Use Policy Phase 1 & 2 from Spring 2014 Release to Independent Release (no change in dates)

Moved Circular Scheduling from Fall 2014 Release to Spring 2015 Release

Removed columns from 2013

Removed GIDAP Reassessment Process from Policy section as complete

Moved start of next phase of Expanding Metering and Telemetry Options policy to October 2014

Removed Voluntary Preferred Resource Auction (no longer valid)

Added Variable Transmission Constraint Relaxation Parameters to the policy section

Added Pricing Enhancements to the policy section

Added Transmission Planning Standards Board decision in September 2014

Added Energy Storage Interconnection Board decision in December 2014

Changes on 4/1/14

Administrative Pricing Rules targeted to start April 2014 (was February 2014)

Flexible Ramping Product targeted to restart May 2014 (was March 2014)

Revisions to ISO transmission planning standards targeted to start April 2014

Commitment Cost Enhancements targeted to start April 2014

Contingency Reserve Cost Allocation targeted to start April 2014

Energy Storage Interconnection targeted to start April 2014

Removed Flexible Resource Adequacy Criteria and Must Offer Obligation from policy section (approved); implementation Fall 2014 Release

Removed Interconnection Process Enhancements from policy section

Removed Competitive Transmission Improvements from policy section

Removed Stakeholder Initiatives Roadmap from policy section

Removed Intermittent Resource Transitional Protective Measure from policy section

FERC 784 deployed on 3/24/14 (removed)

One-For-Many Outage Substitution deployed on 4/1/14 (removed)

Remaining projects in Spring 2014 Release deployment/activation moved from 4/1/14 to 5/1/14

Acceptable Use Policy Phase 1 activation moved from 5/1/14 to 5/19/14

Changes on 3/1/14

Removed Load Aggregation Point Granularity from Policy Section

Removed Full Network Model Expansion from Policy Section (approved)

Removed Outage Management System from Policy Section (approved)

Moved Contingency Modeling Enhancements Board decision from May 2014 to July 2014

Added FERC Order 784 to Spring 2014 Release

Clarified activation dates for Acceptable Use Policy as 5/1/14 for Phase 1 and 6/2/14 for Phase 2

Added BAL-002 Compliance to Fall 2014 Release

Added Spring 2015 maintenance release

Changes on 2/1/14

Moved Administrative Pricing Rules Board decision from May 2014 to July 2014

Removed Bid Cost Recovery Refinements for Multi-Stage Generation Resources from Policy section per Stakeholder Initiatives Roadmap

Removed Black Start and System Restoration Phase 2 from Policy section per Stakeholder Initiatives Roadmap

Removed Energy Imbalance Market - Governance from Policy section as complete

Added Stakeholder Initiatives Roadmap with Board briefing in March 2014

Added Reliability Services to Policy section

Administrative pricing rules targeted to start in Feb. 2014

Expanding metering and telemetry options targeted to start in Feb 2014

Flexible ramping product targeted to start in March 2014

Revisions to ISO transmission planning standards targeted to start Q1 2014

Added Acceptable Use Policy Phase 1 (logging only) to Spring 2014 Release

Added One For Many Outage Substitution (manual process) to Spring 2014 Release

Moved Contingency Modeling Enhancements implementation to Independent Release (deployment date to be determined)

Changes on 1/6/14

Removed Access and Identity Management (deployed in December 2013)

Removed Replacement Requirements for Scheduled Generation Outages Phase 2 (deployed in December 2013)

Removed RIMS Generation (deployed in December 2013)

Removed GMT (deployed in December 2013)

Moved Contingency Modeling Enhancements Board decision from February 2014 to May 2014 (tentative - the policy initiative schedule is under review)

Moved Flexible Resource Adequacy Criteria and Must Offer Obligation Board decision from February 2014 to March 2014

Corrected Administrative Pricing Rules Board decision date from June 2014 to May 2014

Added GIDAP Reassessment Process as policy initiative with Board decision in May 2014