

SE-109 Introduction Outage Management Redesign

Presentation to Stakeholders - April 17, 2013



- Overview of Current Process
- Proposal for Change
- Redesign Scope, Objectives & Principles
- Redesign Schedule
- Next Steps

- Current process in place since 2002
- Outage subcommittee recommendations between 2003 – 2007
- 14 day advance approval introduced in 2005
- Other recommendations to be considered as part of an IESO outage software replacement initiative

- Participants submit outages in 1 of 2 ways:
 - Proprietary application
 - Web-based application (online outage form)
- IESO receives and manages the outages using an Integrated Outage Management System (IOMS)
- Timestamp (time of submission)
 - Determines outage priority
 - Manages conflict resolution; outage revocation/recall
 - Reset when outage scope changes (timing, equipment etc.)

Long Term - 18 Months (quarterly)

- An adequacy outlook considering generation and transmission outages occurring over the next 18 months.
- Participants are required to submit outage plans > 5 days in duration at least 3 months in advance.
- Provides generator participants with at-risk notifications as required.

Near Term - 1 to 33 days (daily)

- Adequacy and security assessment for all outages, regardless of duration.
- Participants are required to submit outage plans > 4 hours in duration at least 33 days in advance.
- All planned outages must be confirmed¹ at least 3 business days in advance and will be assessed within 2 business days of starting.
- 14 day advance approvals are available, but limited
- Short notice outages (< 3 days notice) assessed on a best effort basis

¹outage commitment & request for advance approval

Real-Time

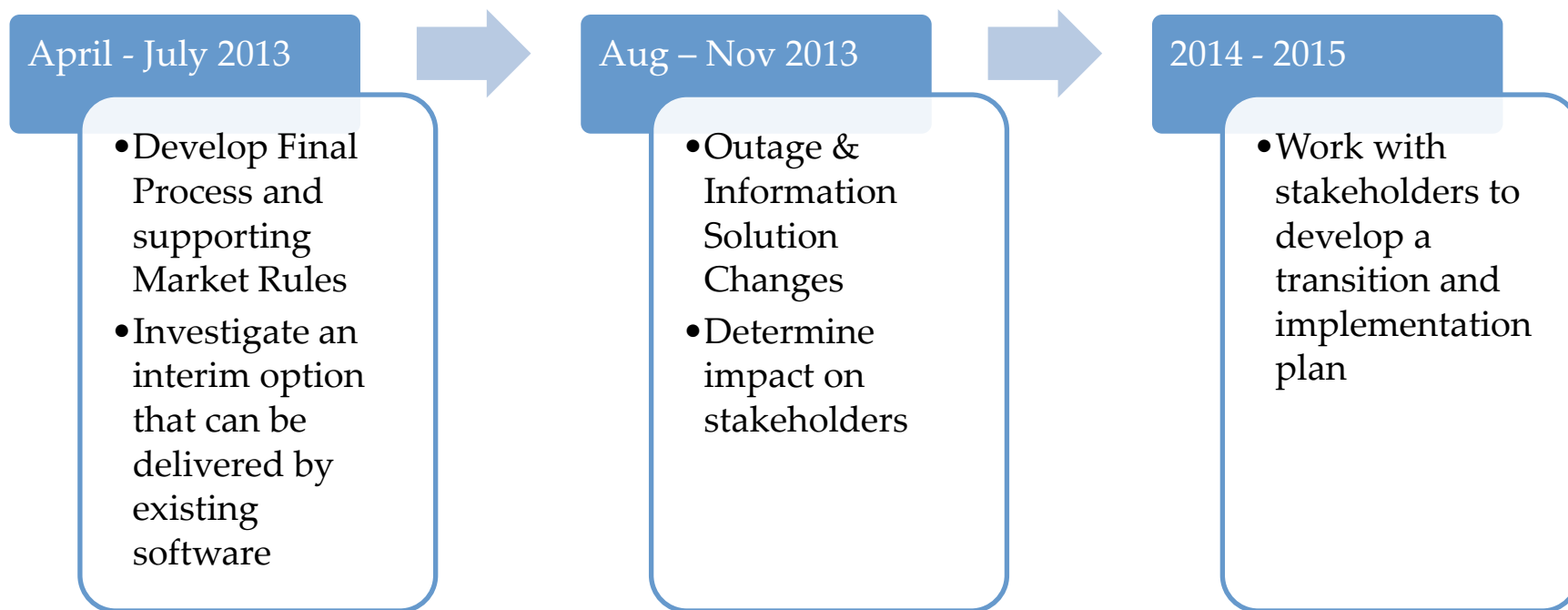
- Provides final approval for all planned outages
- Execution and closure of the outage plan
- Recalls outages as required
- Short notice requests are considered at the discretion of the control room operator

- Participant feedback
- Increased power system complexity
- Elevated reliability obligations
- Coordination and information gaps
- Aging software solutions

- Long term (18 Months)
- Near term (33 days)
- Adequacy, Security & Operability Assessments
- Reporting

1. Reduce reliability risks associated with outage management
2. Improve outage-related services for participants
3. Efficiency improvements within IESO & participant processes
4. Replace the outage management solution

1. Commit outages further in advance.
2. Coordination opportunities.
3. Outage scheduling flexibility.
4. Sufficient time for outage assessments.
5. Short notice outages must be emergent or provide immediate ICG benefit.
6. Address conflict resolution and cost recovery.



- Provide feedback on design principles and stakeholder engagement plan by April 26th
 - Survey planned to help guide feedback on high level design(s)
- IESO to respond by May 3rd
- IESO to post high level design(s) by May 8th
- Meeting to present and discuss high level design(s) on May 15th

Questions?