

SE-109 Introduction Outage Management Redesign

Presentation to Technical Panel – July 9, 2013



- Background & Proposal for Change
- Redesign Scope, Objectives & Principles
- SE-109 Schedule
- Market Rule Changes
- Next Steps

- Current process in place since 2002
- Outage subcommittee & IESO made multiple recommendations between 2003 – 2007
- Arranging replacement energy to support planned outages & 14 day advance approval introduced in 2003 & 2005
- All other recommendations to be considered as part of an IESO outage software replacement initiative

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

- Existing Near-Term Process (33 day horizon) and up to 18 months.
- Reporting (Security & Adequacy Assessments)

Re-Design Input:

- Market Participant & Neighbouring ISO Outage Planning Practices

1. Reduce reliability risks
2. Improve outage-related services for participants
3. Efficiency improvements(participants & IESO)
4. Replace the IESO Outage Management Solution (IOMS)
– tool

1. Assess and advance approve outages further in advance.
2. Coordination opportunities.
3. Outage scheduling flexibility.
4. Sufficient time for outage assessments.
5. Short notice outages must be urgent
6. Address cost recovery.

- Working group formed in early April
 - High engagement across multiple sectors
 - Transmitters, Generators, Loads & Renewables
- **April 17** – Kickoff Meeting & Introduction to Design Principles
- **May 14** – Initial Redesign Proposal
- **June 20** – Revised Redesign Proposal
- **August 7** – Next Meeting

- **April – August**
 - Develop Process Redesign
- **August – December**
 - Interim Process Development (Transition Phase)
 - Software Design for Final Process
 - Business Case Development
- **Q1 2014**
 - Implement Interim Process (MR-00404-R00)
- **2015**
 - Develop Transition Strategy for Final Process

- Three Scheduling Timeframes
 - Mid Term Quarterly (3 – 9 months in advance)
 - Near Term Weekly (10 – 21 days in advance)
 - Near Term Daily (1 – 5 days in advance)
- Participation drivers
 - Coordination
 - Advance Approval & Higher Outage Priority
- Redesign strikes a balance between offering scheduling flexibility & maintaining system reliability

- Full redesign implementation will likely require a multi-stage approach and rule amendment
 - Near-Term Daily (Q1 2014)
 - Similar to current process
 - Suitable candidate for an interim process using existing software capability to assist in achieving project objectives
 - Addition of the Near-Term Weekly & Mid-Term Quarterly (2015)

- Enable an Interim Process (Q1 2014)
 - Modify existing submission requirements (near-term daily) but retain 14 Day Advance Approval process
 - Remove MP obligation for ‘confirmation’ and to submit costs in advance
- Enable the Final Process (2015)
 - Introduce Near-Term Weekly & Mid-Term processes under the new software
 - Remove obligations associated with old process (i.e. 14 day Advance Approval)

- August 7 – SE-109 Meeting to Finalize Redesigned Process, Review Interim Process & Discuss Market Rule Language
- August 13 – TP Vote to Post Draft Rules for Comment
- Sept 17 – TP Vote for Board Approval (Nov 15)
 - MR-400-R00 (Interim - Q1 2014)
 - MR-400-R01 (Final - 2015)

Questions?