

# Outage Management Redesign Consultation Process (SE-109)

November 13, 2013



- Stakeholder Feedback & IESO Response to:
  - Proposed Pre-Approval Criteria
  - Proposed Interim Process Implementation Plan
- Final Proposal of Pre-Approval Criteria
- Proposed Changes to Market Manual 7.3
- Update on Interim Process Implementation Plan
- Next Steps

**\*\*Note:** Stakeholder feedback is in **bold** and IESO response is in *italic*

- **Provide pre-approval criteria context for the term “adversely” affects a generator or dispatchable load**
  - *In the context of the mid-term process, this refers to having an impact on a third party market participant*
- **Clarify that reactive resources correspond to transmission and distribution facilities (align with the existing requirement)**
- **Include power system stabilizers and automatic voltage regulators if loss of redundancy and a recall  $\leq 15$  minutes applies**
- **Include non-redundant backup protections with a recall of  $\leq 15$  min if protected equipment remains in-service**
  - *IESO agrees with these recommendations and has revised the criteria*

- **Allow hydro-electric facilities that may become restricted in storing fuel eligible when de-rated above forecasted production**
  - *The initial criteria failed to address the fact that de-rating a wind facility effectively reduces the production forecast used as a threshold for the pre-approval criteria*
  - *The IESO will propose allowing all generator outage outages to request pre-approval if the duration of the outage is less than a day*
- **Remove criteria for ancillary service outages (no obligation to ensure availability under ancillary contracts)**
  - *No obligation is subject to market rules (if a planned outage to the ancillary service was approved by the IESO)*
  - *Criteria will still apply but modified to align with the criteria for all generator outages*

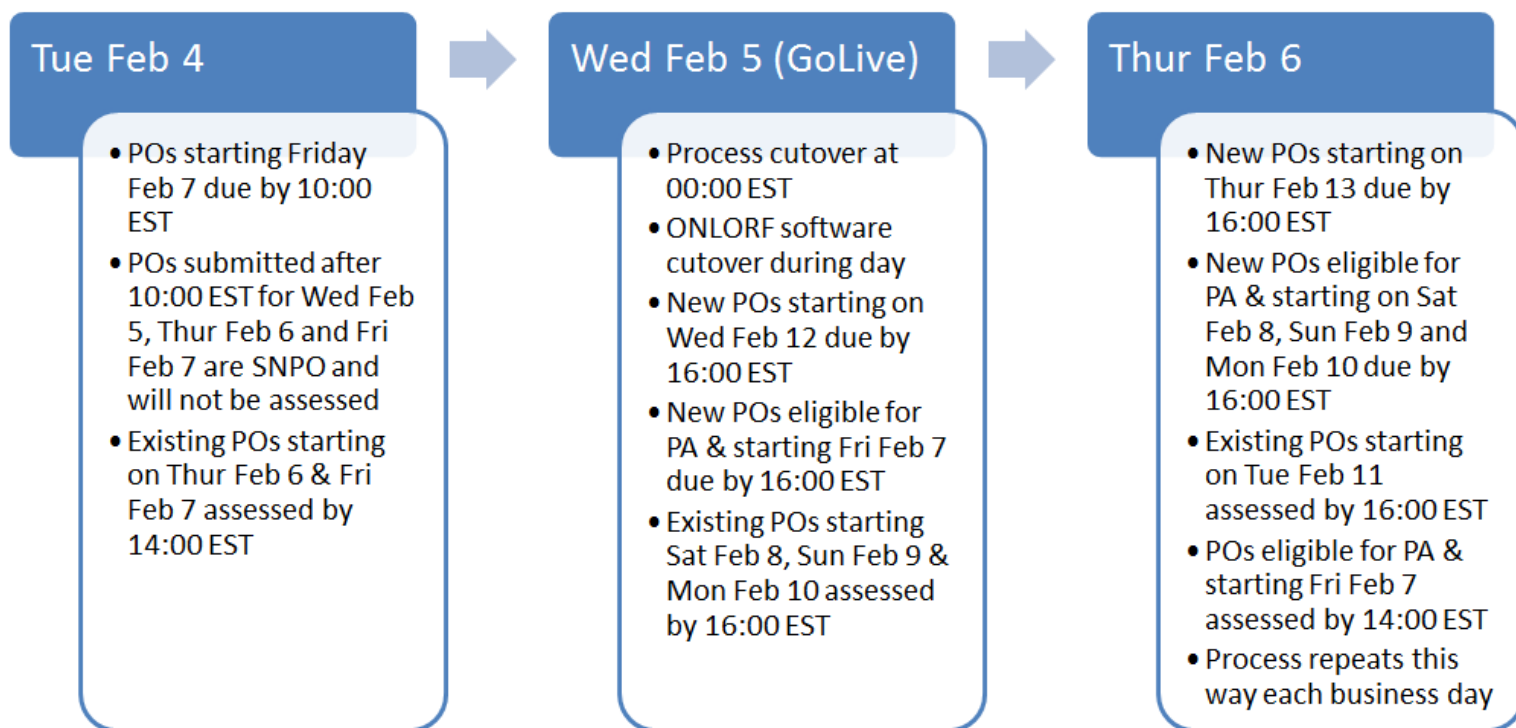
- **Provide context for high level principles of eligibility so market participants know which outages may not be eligible**
  - *The IESO would not be able to provide sufficient context without breaching confidentiality*
  - *IESO will provide each market participant with a list of equipment not eligible for pre-approval and if required, build on that list over time*
- **Include all 115 kV breakers that are non-NPCC impacted**
  - *Not at this time, however the IESO will propose including all radial transmission lines (subject to criteria)*
- **Increase load transfers to 50 MW and make eligible for pre-approval**
  - *Changes to existing reporting requirements are out of scope*
  - *IESO will propose load transfers  $\leq$  50 MW eligible for pre-approval*



- **Increase reactive threshold to 26 MVAR and make eligible for pre-approval, or make a block of reactive capacity eligible**
  - *Changes to existing reporting requirements are out of scope*
  - *IESO will propose all distribution connected capacitors with a duration of less than a day or have a recall  $\leq 15$  minutes eligible for pre-approval*
- **Include system auxiliaries that are not NPCC impacted and have a recall  $\geq 15$  min**
  - *Not at this time as the reliability impact and assessment effort would no longer be minimal*

- **Provide adequate training for plant staff on process and software changes**
- **Outage submission demonstrations would be useful**
- **Provide a check-list for sandbox testing of software changes**
  - *SE-109 meetings (Dec 11 & Jan 15) to review process and software changes (plant staff welcome to join via Webex)*
  - *SE-109 members expected to relay changes downstream, with IESO support upon request*
  - *Sandbox testing 2-3 weeks prior to “go live” on Feb 5*
- **Defer implementation to Q2 2014**
  - *Target implementation is Feb 5/14 (contingency date is March 5/14)*
  - *Avoids transition during heavy outage volume during the Spring*
  - *Changes are minor enough to provide adequate training in time*

- Clarify “Go Live” date and treatment of existing vs. new outage submissions
  - *IESO proposes the following approach:*



Legend: PO = Planned Outage

SNPO = Short Notice Planned Outage

PA = Pre-Approval



- Final draft rewrite of Market Manual 7.3, Appendix B to be discussed at the meeting
- Re-write will be separately posted on SE-109 webpage prior to the meeting

- **Incorporated pending market rule changes:**
  - New submission and approval deadlines
  - New timestamp retention rules
  - Removed reference to short notice requests
  - Removed references for confirmation of outages requesting 3 day advance approval
  - Removed references to submission of cancellation costs for compensation eligibility
  - Clarified impact to Segregated Mode of Operation requests
- **Incorporated pre-approval criteria in Appendix B**

## **Incorporated changes to provide scheduling flexibility:**

- IESO or Market Participant initiated delays to starting planned outages:
  - For one day outages, IESO will assess the planned extension as long as the market participant confirms the outage can still be completed by the end of the day prior to rejecting (day ahead) or revoking advance approval (real-time)
- Planned Routine Testing and Commissioning:
  - All tests must be submitted in accordance with the submission deadlines for 3 day advance approval and pre-approval
  - Changes to testing will be assessed up to an including real-time provided the potential for change was identified at the time of submission/advance approval.
- Forced outages with time-limited scheduling flexibility:
  - IESO will coordinate and approve these urgent-type outages upon request

- **Wed Dec 4** – Hydro One Training
  - Review of process changes and table top session
- **Fri Dec 6** – Post “IESO Quick Take” for Interim Process changes
  - A quick reference card for market participants
- **Wed Dec 11** – SE-109 Meeting
  - Review of process changes and table top session
  - Extend invitation to plant staff via Webex
- **Wed Jan 15** – SE-109 Webex / Sandbox Testing Commences
  - Review of process changes and ONLORF table-top
  - Extend invitation to plant staff
  - Provide check-list for sandbox testing by Fri Jan 10

- **Nov 15** – IESO Board votes on Interim Process rules
- **Nov 22** - Stakeholder feedback on Interim Process due:
  - Final proposal for pre-approval criteria
    - Red-lined document will be sent to stakeholders via email
  - Proposed market manual changes
    - Red-lined document will be sent to stakeholders via email
  - Implementation Plan
- **Nov 29** – IESO Response to feedback due
- **Dec 9** – Market Manuals posted for external comment
- **Dec 11** – Next SE109 Meeting
  - Materials to be posted by Dec 6

Questions/Comments?