

# Outage Management Redesign Consultation Process (SE-109)

Proposal for Process Redesign

May 14, 2013



- Summary of Stakeholder Feedback
  - Stakeholder Engagement Plan and Discussion Paper
  - Responses to Questions on Stakeholder Outage Processes
- Proposal for Process Redesign
- Next Steps

- Stakeholder Engagement Plan:
  - Schedule appears aggressive
- Discussion Paper:
  - Concerns re level of dependency on a new IESO software solution with the redesigned process
  - Clarify the term “Operability” in outage assessments
  - Supportive that design principles clearly define process requirements

- Two planning horizons:
  - Annually for preventative maintenance
    - 3 to 36 month planning range (14 month average)
    - Revisit quarterly
    - 2 to 12 month confirmation range (6 month average)
  - Weekly for corrective maintenance
    - 2 to 14 day range (8 day average)
    - Revisit daily
    - 2 to 7 day confirmation range (5 day average)
- Changes are influenced by several variables:
  - Other participant outages, weather, contractor availability, regulatory, etc.
  - Coordination and flexibility is key

- Earlier advance approvals
- Pre-approvals for low-impact outages
- IESO assistance with outage coordination
  - Advance notification of outage impacts
  - Identification of outage conflicts and alternate scheduling recommendations
- Transparency of information with respect to assessment results and system constraints
- Active means of receiving IESO assessment results (auto vs. manual notification)
- Online outage form enhancements

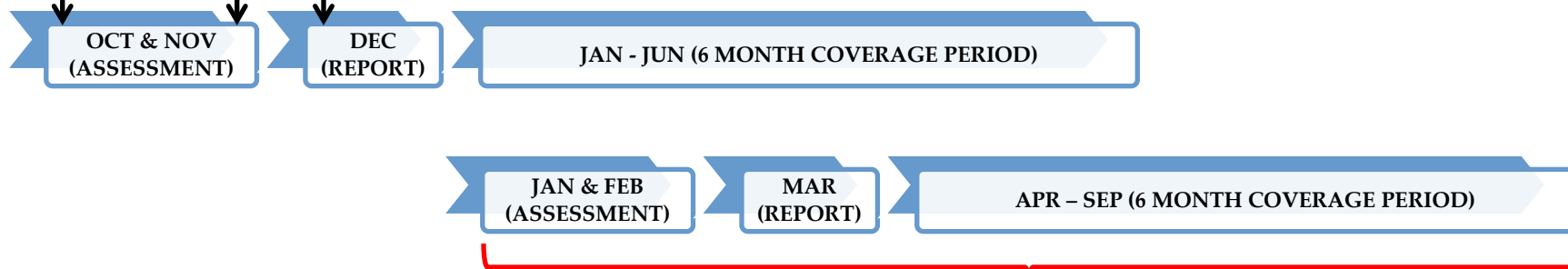
- Meet the Design Principles while satisfying stakeholder and IESO needs
  - Stakeholder needs – certainty, flexibility and information (based on input received)
  - IESO needs – reduce reliability risks, enhance outage related services and process efficiency (project objectives)

- Confirmation
- Critical Outage
- High Impact Outage
- Mid-Term Approval
- Near-Term Approval
- Non Critical Outage
- Opportunity Outage
- Pre-approved Outage
- Report
- Urgent/Emergent Outage

- 'High Impact' outage confirmations due (Oct 1)
- MPs can confirm 'x' number of non 'High Impact' outages
- MPs are notified of outages that may impact them
- IESO reviews confirmed outages, gathers MP feedback and makes recommendations as required
- Changes made based on IESO recommendation do not affect time stamp

- Mid-Term Approvals Due (Nov 30), still subject to near-term approval, but have higher priority than timestamp
- Rejections can only become 'Opportunity' in the near-term, but have higher priority in the next mid-term cycle
- Major changes to outage scope lead to revocation of Mid-Term approval and timestamp reset

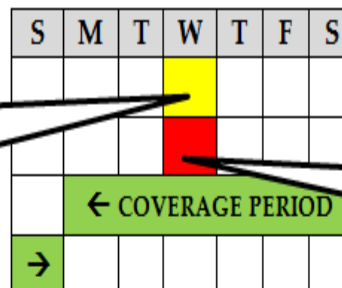
- Adequacy & Security Report Issued for coverage period (Dec 1)
- MPs have 1 month to review and make confirmations for the next mid-term cycle



Quarterly process with 3 month overlap of  
coverage periods per quarter



- Confirmation of all *Critical* outages are due on the 2<sup>nd</sup> Wednesday before the coverage period (batch assessment process)
- Late *confirmations* are automatically rejected
- Only *Opportunity* or *Urgent/Emergent* outages can be scheduled in the coverage period once the due date passes



- *Near-term approvals* for *Critical* outages due on the Wednesday before the coverage period

T - 5 Business Days

- *Confirmations* for all *Non-Critical* & *Opportunity* outages due
- Late *confirmations* are automatically rejected

T - 3 Business Days

- *Near-term approvals* for *Non-critical* & *Opportunity* outages due
- *Timestamp* manages conflicts

T - 2 Business Days

- *Pre-approved* outages due
- Prepare operating plan and discuss with IESO Control Room

T - 1 Day

- *Urgent/Emergent* outages are incorporated
- Execute DACP
- Handoff Operating Plan to Control Room

## Outage Priority Sequence:

Urgent/Emergent → Mid-Term Approval → Timestamp (including near-term Approvals) → Opportunity → Pre-Approval

- Mid-Term process will help avoid conflicts, promote outage bundling (lower volume) and increase certainty for participants
- Near-Term process will reduce outage churn and risk of assessment errors
- Pre-approval process will reduce low-impact assessment burden on IESO and give participants outage scheduling flexibility
- Advancing near-term approvals from 2 to 3 days ahead allows for a more reliable operating plan and DACP execution

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

- **May 24** - Stakeholder feedback on redesign proposal due
- **May 31** - IESO response to feedback due and posted
- **Mid June** - Next meeting to discuss revised Process Design, if necessary
  - Materials to be posted in advance

Questions???