

# OPERATING RESERVE INITIATIVES

Public Information Session

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October 3, 2017

# Introduction

- The purpose of this presentation is to introduce several Operating Reserve (OR) related initiatives the IESO will be working on over the coming year
- These initiatives consider market improvements that can be implemented in the near-term, and are compatible with the IESO's longer term Market Renewal Project

## Upcoming OR Initiatives

Enabling  
System  
Flexibility

Control Action  
Operating  
Reserve Phase 1

Control Action  
Operating  
Reserve Phase 2

Expanding  
Participation in  
Operating  
Reserve

# Enabling System Flexibility

<b>Background</b>	<ul style="list-style-type: none"><li>• Ontario needs more flexible capability to match the needs of Ontario's evolving supply mix</li></ul>
<b>Objective</b>	<ul style="list-style-type: none"><li>• The objective of the Enabling Flexibility Stakeholder Engagement is to determine potential solutions that can enable and achieve flexibility to meet evolving system needs</li></ul>
<b>Status</b>	<ul style="list-style-type: none"><li>• Stakeholder Engagement was launched in 2016</li><li>• Market Renewal will put in place necessary features for an enduring flexibility solution</li><li>• The engagement will focus on near term solutions that will be coordinated with the Market Renewal workstreams</li><li>• Proposed interim solution is to use operating reserve to address flexibility needs</li></ul>
<b>Key Date(s)</b>	<ul style="list-style-type: none"><li>• In-person Stakeholder Engagement meeting is scheduled for 9:30 am to 12 pm Monday, October 23</li></ul>

# Control Action Operating Reserve Phase 1

<b>Background</b>	<ul style="list-style-type: none"><li>• Since 2003, the IESO has utilized standing offers in the operating reserve markets to represent two control actions (voltage reduction and forgoing the 30-min OR requirement) that can be used to help meet system needs</li></ul>
<b>Objective</b>	<ul style="list-style-type: none"><li>• Reallocation of CAOR offers quantities to better represent the capabilities of the two control actions in the respective 10 and 30 minute OR markets</li></ul>
<b>Status</b>	<ul style="list-style-type: none"><li>• Upcoming Public Information Session will describe the issue and the IESO's recommended solution</li></ul>
<b>Key Date(s)</b>	<ul style="list-style-type: none"><li>• Public Information Session webinar is scheduled for 10 am to 12 pm Friday October 13</li></ul>

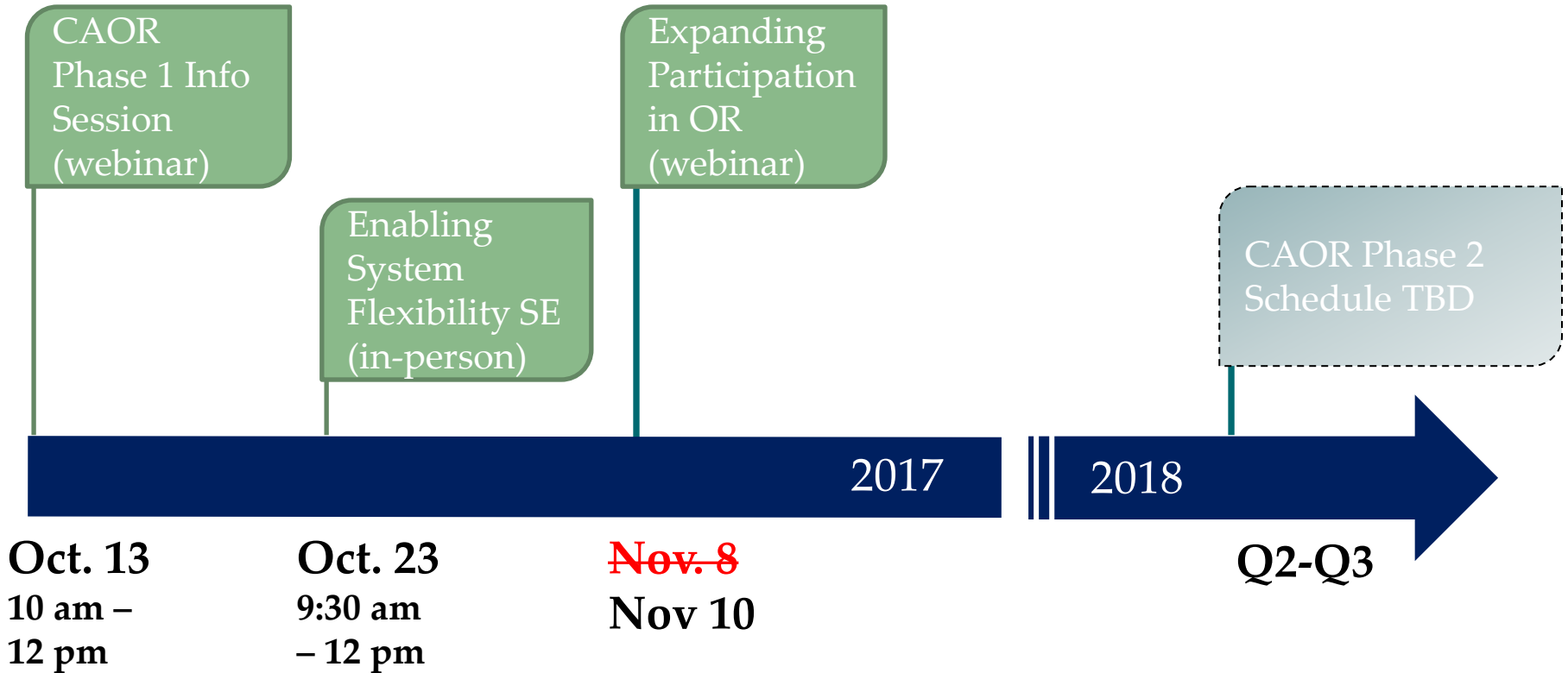
# Control Action Operating Reserve Phase 2

<b>Background</b>	<ul style="list-style-type: none"><li>• Ontario's supply mix has changed significantly over recent years as well as the utilization and market impact of the CAOR offers</li><li>• A review of the CAOR mechanism will inform whether changes are needed</li></ul>
<b>Objective</b>	<ul style="list-style-type: none"><li>• Review the effectiveness of the CAOR mechanism</li></ul>
<b>Status</b>	<ul style="list-style-type: none"><li>• This initiative will align with related aspects of the Market Renewal Program</li></ul>
<b>Key Date(s)</b>	<ul style="list-style-type: none"><li>• The IESO anticipates launching this initiative in Q2/Q3 2018</li></ul>

# Expanding Participation in OR

<b>Background</b>	<ul style="list-style-type: none"><li>• Currently hydro, gas, dispatchable load, biofuel, imports and CAOR actively participate in the OR market</li></ul>
<b>Objective</b>	<ul style="list-style-type: none"><li>• The IESO is interested in hearing from stakeholders regarding interest and potential for expanding participation in the OR market from additional resource types</li></ul>
<b>Status</b>	<ul style="list-style-type: none"><li>• Upcoming Public Information Session will solicit feedback from stakeholders</li><li>• Depending on initial feedback and analysis, subsequent engagement may be launched in 2018</li></ul>
<b>Key Date(s)</b>	<ul style="list-style-type: none"><li>• Public Information Session webinar is scheduled for Wednesday, November 8th</li></ul>

# Upcoming Dates for OR Initiatives



# Information on Upcoming Events

- The upcoming engagement meetings provide opportunities for stakeholder feedback on specific areas of interest

## 1. CAOR Phase 1, October 13

- More details on this webinar will be communicated shortly. To register for this webinar, please contact [engagement@ieso.ca](mailto:engagement@ieso.ca)

## 2. Enabling System Flexibility, October 23

- Details on the ongoing engagement process can be found at: <http://www.ieso.ca/sector-participants/engagement-initiatives/engagements/enabling-system-flexibility>  
To register for this in-person event, please contact [engagement@ieso.ca](mailto:engagement@ieso.ca)

## 3. Expanding Participation in OR, **November 10**

- More details on this webinar will be communicated shortly. To register for this webinar, please contact [engagement@ieso.ca](mailto:engagement@ieso.ca)



# Questions

For any questions, feedback, or to register for upcoming meetings, please contact [engagement@ieso.ca](mailto:engagement@ieso.ca)