# SELF-BOTTLING PURPOSE CODES

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# Background

- Implementation of new "Self-Bottling purpose code
- Only applicable to wind and solar generators
- The reason is to:
  - improve the accuracy of variable generation forecasts and
  - ensure the centralized forecast predicts output of the station proportionate to their available capacity but capped at a de-rated maximum

# Key Dates

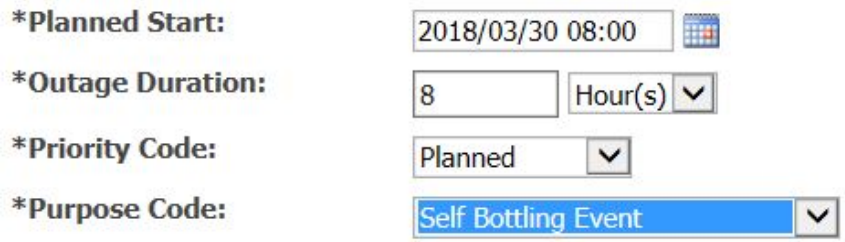
- Sandbox Implementation
  - April 12, 2018 (Completed)
- Market Trial
  - Any time after implementation in sandbox
  - Need to be registered as Equipment Outage Submitter in Sandbox. This is done by the Applicant Representative in Sandbox Online IESO https://onlinesandbox.ieso.ca.
- Production Implementation
  - May 22, 2018

# Purpose Code Use

- MP's are to use the Self-Bottling purpose code when their capacity is restricted from the grid by an outage or de-rate to one of their station elements
  - Some examples include but are not limited to:
    - De-rating to the step-up transformer that connects their generation to the grid
    - Outage to a step-up transformer which results in the generation connecting to the grid through a remaining transformer with rating lower than the full generation capacity

# Outage Management Tool

- MP's are to continue submitting de-rates for outages to turbines or generation feeders which directly reduce the station's generation capacity as they have been
- In the case of a "Self-Bottling" event the MP should submit an outage using the "Self-Bottling Event" Purpose code and applicable DRATE Constraint



# Thank You

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