

# ISO Rules

## Part 300 System Reliability and Operations

### Division 306 Outages and Disturbances

#### Section 306.5 Generation Outage Reporting and Coordination



#### External Consultation Draft October 22, 2018

#### Applicability

1 Section 306.5 applies to:

- (a) a **pool participant** with a generating **source asset** with a **maximum capability** of ~~five (5) MW~~ greater than or higher; equal to 5 MW;
- (b) a **pool participant** that submits **offers** in the energy market for a generating **source asset** with a **maximum capability** that is greater than or equal to 1 MW and less than 5 MW;
- ~~(b)(c)~~ a **legal owner** of a **source asset** described in ~~subsections~~ subsections 1(a) and 1(b); and
- ~~(c)(d)~~ the **ISO**.

#### Requirements

##### General

2(1) A **pool participant** must, for any outage that results or will result in a change in **available capability** of ~~five (5) MW or greater;~~ ;

- (a) 1 MW or greater, for a generating **source asset** with a **maximum capability** that is greater than or equal to 1 MW and less than 5 MW; or
- (b) 5 MW or greater, for a generating **source asset** with a **maximum capability** greater than or equal to 5 MW,

comply with the notification requirements set forth in subsections 3, 4 or 5, as applicable.

(2) A **pool participant** must provide to the **ISO**, in writing and in conjunction with its first **planned outage** notification, a list of contact **persons** who must be involved in the planning of outages and be in a position of authority to resolve with the **ISO** any issues or concerns regarding outages.

(3) A **pool participant** must submit information required to be provided to the **ISO** pursuant to this section 306.5 via the Energy Trading System.

##### Planned Outage Notification Requirements

3(1) A **pool participant** must, in respect of any **planned outage**, submit to the **ISO**:

- (a) the dates, times, durations and impact to MW capability for the **planned outage**;
- (b) the specific nature of the **planned outage** work to be done; and
- (c) a designation of the **planned outage** as “Derate-Planned” or “Outage-Planned”.

(2) A **pool participant** must, by the first ~~{1<sup>st</sup>}~~ **day** of every **month** after the date of **energization**, submit the information set out in subsection 3(1) to the **ISO** related to **planned outages** that, as of the time of the submission, are planned to occur at any time within the next ~~twenty-four (24)~~ 48 **months**.

(3) A **pool participant** must, with respect to:

- (a) any revisions to the information submitted to the **ISO** under subsection 3(1); or

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(ab) a **planned outage** that is not included in the submission set out in subsection 3(2);

submit such information or **planned outage** as soon as reasonably practical.

(4) A **pool participant** must, if information submitted under subsection 3(3) is submitted later than ~~three (3) months~~ prior to the **day** the **planned outage** is to start, include a statement in its submission setting out the reasons that the information varies from the original subsection 3(1) submission or was not included in the submission set out in subsection 3(2).

#### **Unplanned**~~Delayed~~ **Forced** Outage Notification Requirements

4(1) A **pool participant** must, as soon as reasonably practicable, in respect of a **delayed forced outage**, submit to the **ISO**:

- (a) the dates, times, durations and impact to MW capability for the **delayed forced outage**;
- (b) the specific nature of the **delayed forced outage** work to be done; and
- (c) a designation of the **delayed forced outage** as “Derate-Forced” or “Outage-Forced”.

(2) A **pool participant** must also, as soon as reasonably practicable, in respect of a **delayed forced outage** for which the **pool participant** has less than ~~twenty-four (24)~~ hours between the time of discovering the circumstances requiring the **delayed forced outage** and the time of commencing the **delayed forced outage**, ~~through contacting~~ contact the **ISO** by telephone, on a telephone number that the **ISO** designates, which must contain a voice recording system.

#### **Automatic** Forced Outage Notification Requirements

5 A **pool participant** must, as soon as reasonably practicable, submit **automatic forced outage** information as follows:

- (a) through contacting the **ISO** by telephone, on a telephone number that the **ISO** designates, which must contain a voice recording system; and
- (b) submit a designation of the **automatic forced outage** as “Derate-Forced” or “Outage-Forced”.

#### ~~Authority to Issue an Outage Cancellation Directive~~

~~6(1) The **ISO** may, if after:~~

- ~~(a) completing the assessments and procedures set out in subsections 7(2) through 7(6) the **ISO** determines that there remains:~~
  - ~~(i) an immediate need on a short term basis for services provided by certain **source assets** to maintain the necessary level of **reliability** or **adequacy**, as the case may be; and~~
  - ~~(ii) a high probability that the situation will not be alleviated in a voluntary manner:~~
    - ~~(A) by any **pool participants** amending or revising outage plans; or~~
    - ~~(B) through the ordinary course operation of the market; and~~
- ~~(b) taking into account the factors set out in subsection 7(7) below,~~

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issue a **directive** to cancel any one (1) or more of a **planned outage** or a **delayed forced outage**.

~~(2) The ISO must not issue a **directive** canceling an outage without the authorization of the Chief Executive Officer of the ISO or his designee.~~

#### **Outage Cancellation Procedure**

~~7(1) The ISO must, prior to issuing a **directive** canceling an outage, comply with the procedures set out in subsection 7(2) through 7(8) in sequence.~~

~~(2) The ISO must consider and analyze the results of the **adequacy** assessments undertaken in accordance with subsection 2 of section 202.6 of the ISO rules, *Adequacy of Supply*, and perform a further assessment of the status of all **source assets** based on all **planned outage** plans **pool participants** submit under subsection 3.~~

~~(3) The ISO must:~~

~~(a) after completing the assessments and taking into account the total amount of all generating **source assets** which are planned for outages; and~~

~~(b) if the ISO anticipates a high probability of a supply **adequacy** shortfall or **reliability** concern~~

~~notify **market participants** on the AESO website of its determination.~~

~~(4) The ISO must continue to conduct further situational analysis to seek to alleviate the potential supply **adequacy** shortfall or **reliability** concern and avoid the cancellation of any outages.~~

~~(5) The ISO must post the determination referred to in subsection 7(3) above for a minimum period of one (1) calendar week, and in anticipation that certain **pool participants** may have flexibility to voluntarily amend plans for outages to assist in the alleviation of the supply **adequacy** shortfall or **reliability** situation.~~

~~(6) The ISO must, if the ISO posting referred to in subsection 7(5) and any resulting voluntary actions do not result in a reduction in the total amount of generating **source asset** capacity planned for outages such that the forecast supply **adequacy** shortfall or **reliability** remains unresolved, contact the individual **pool participants** to request that they further review outage plans.~~

~~(7) The ISO must consider all of the following factors in its determination as to whether or not to issue a **directive** canceling an outage as contemplated in this subsection 7:~~

~~(a) the economic and operational consequences for the **legal owner** of the **source asset** and for any designated **pool participant**, if a different **person**;~~

~~(b) the operational and functional impact on the **source asset** if the outage is cancelled;~~

~~(c) the effectiveness of canceling the outage in alleviating the supply **adequacy** shortfall or **reliability** concern;~~

~~(d) the historical frequency that a given **source asset** has been the subject of outage cancellations relative to other **source assets**;~~

~~(e) the length of time of, and reasons for, any outage the **pool participant** has previously submitted to the ISO under the reporting requirements set out in this section 505.6;~~

~~(f) the extent to which the outage will begin or end during the period of the forecast supply~~

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~~adequacy shortfall or reliability concern;~~

- ~~(g) any requirements or material implications under or related to any applicable municipal, provincial or federal legislation or regulations if the ISO proceeds to issue a directive to cancel an outage; and~~
- ~~(h) the practicality and effectiveness of market-based solutions to alleviate the supply adequacy shortfall or reliability concern, including a consideration of load curtailment options.~~

~~(8) The ISO must not issue a directive canceling an outage more than ninety (90) days in advance of the first day of the period which has been determined to be the commencement of the reliability or adequacy shortfall.~~

#### **Outage Planned Costs and Work Submission**

~~8(1) A pool participant who has received a directive for the cancellation of an outage must use all reasonable efforts to submit to the ISO in advance of the period when the outage would have occurred:~~

- ~~(a) a detailed description and estimation of the work, which was to have been carried out during the outage, including an itemization of the specific plant, machinery and equipment which are the subject of the work during the that period; and~~
- ~~(b) an estimate of any known or anticipated incremental generation costs that may be the basis for a claim for compensation under these ISO rules.~~

~~(2) The submissions set out in subsection 8(1) do not limit compensation claims for other reasonable demonstrable costs.~~

#### **Time Constrained Outage Cancellation**

~~9 The ISO may, notwithstanding subsection 7, dispense with any or all of the procedures set out in that subsection 7 and proceed to issue a directive to cancel an outage, if in the ISO's opinion, it is evident that immediate reliability or adequacy circumstances do not allow sufficient time to permit the ISO to comply with such procedures.~~

#### **Outage Cancellation Report**

~~10 The ISO must, if it issues a directive under subsection 6 to cancel an outage, prepare a report and post it on the AESO website, which report must contain:~~

- ~~(a) an explanation of the circumstances, background and chronological events that caused and are related to the issuance of the directive cancelling the outage;~~
- ~~(b) the particulars of the outage that was cancelled, including date of cancellation, duration and MW affected;~~
- ~~(c) any material market impacts known to the ISO;~~
- ~~(d) whether the cancellation was a time and procedurally constrained one under subsection 9, and if so, the reasons for a decision to depart from any prescribed procedures set out in subsection 7; and~~
- ~~(e) any other matters that, in the ISO's opinion, are necessary in order to provide a full and complete explanation to market participants of the decision.~~



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#### **Payment Eligibility for Incremental Generation Costs and Claim Limitations**

~~11(1) Subject to this subsection 11, subsection 5.1 of section 103.4 of the ISO rules, *Power Pool Financial Settlement* and the definition of **incremental generation costs**, a **pool participant** or **legal owner** of a generating **source asset**, or both of them if different **persons**, that has complied with a **directive** to cancel an outage issued pursuant to subsection 6, is eligible to receive payment for **incremental generation costs** from the **ISO**.~~

~~(2) A **pool participant** or a **legal owner** who is a claimant under this subsection 11 must, within forty (40) **days** after the end of the **settlement period** related to the period during which the **directive** was effective, provide the **ISO** with a written statement which contains:~~

- ~~(a) the detailed information of the claim and calculation of **incremental generation costs** as incurred and caused by the cancellation, to the extent those details and calculations are known or estimable as of the date of delivery of the statement to the **ISO**; or~~
- ~~(b) if any detailed information or calculations are not known or estimable as of the date of delivery of the statement, an estimate of the date by which any of the outstanding information or calculations required under subsection 11(2)(a) will be finally determined and delivered to the **ISO**.~~

~~(3) A **pool participant** or a **legal owner** who is a claimant under this subsection 11 must provide the **ISO** with a supplementary written statement setting out all outstanding information or calculations as soon as reasonably practicable after the delivery of the original statement, but in any event no later than one (1) year after the end of the **settlement period** related to the period during which the cancellation **directive** was effective.~~

~~(4) A **pool participant** or a **legal owner** who is a claimant under this subsection 11 must provide to the **ISO**:~~

- ~~(a) any and all of its own and third party supporting data, records, invoices, formulas, calculations, third party contract claims and related terms and conditions;~~
- ~~(b) any other information or materials used to calculate or determine the amounts claimed in the statement or any supplementary statement; and~~
- ~~(c) any other detail and information the **ISO** may reasonably request~~

~~in order to verify the **incremental generation costs**, claims, calculations and particulars.~~

~~(5) The **ISO** must approve the compensation and settlement in respect of any **incremental generation costs** on or before the fortieth (40<sup>th</sup>) **day** following the **day** of the receipt by the **ISO** of the last of the initial statement, supplementary statement or deficiency materials.~~

~~(6) The **ISO** must reject the portion of a claim for **incremental generation costs** related to any of the following:~~

- ~~(a) costs or claims related to a cancellation for which the claimant is eligible for compensation pursuant to the provisions of a **transmission must-run** contract with the **ISO**;~~
- ~~(b) costs or claims associated with or related to the claimant's market or hedging portfolio, other than those allowed under subsection (iv)(d)(B) of the definition of **incremental generation costs** which limits such costs and claims to the **source asset** which is the subject of the~~

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**directive:**

- ~~(c) lost opportunity costs, or other form of loss of profits, revenue, earnings or revenue not specifically provided for in the definition of **incremental generation costs**;~~
- ~~(d) raw material, fuel, processing, production, manufacturing or industrial costs of any nature which are not directly related to the **source asset**'s participation in the energy market;~~
- ~~(e) fixed costs; or~~
- ~~(f) costs or claims that the claimant could otherwise have mitigated through all reasonable efforts.~~

**Cost Recovery**

**12**—The **ISO** must treat the **incremental generation costs** paid to a claimant for an approved claim under subsection 11(6) as an **ancillary services** cost.

**Timely Information from Legal Owner**

**13** A **legal owner** of a **source asset** must, if it is not the **pool participant** for that **source asset**, provide such timely and complete information to the **pool participant** for such **source asset** to enable the **pool participant** to comply with its obligations under subsections 3, 4 and 5.

**Revision History**

<u>EffectiveDate</u>	<u>Description</u>
<del>2014-07-02XXXX-XX-XX</del>	<del>Initial releaseMoved outage cancellation content to section 306.9. Revised applicability and requirements to apply to generators that submit offers in the energy market. Revised subsection 3(2) from 24 months to 48 months. Administrative changes.</del>
2015-04-01	The words “excluding a wind facility” were deleted from subsection 1(a).
<u>2014-07-02</u>	<u>Initial release</u>