

### Applicability

- 1 Section 203.4 applies to:
- (a) a **pool participant** with a generating **source asset** that has an associated current **offer** when participating in the energy market; and
  - (b) the **ISO**.

### Requirements

#### Compliance Responsibilities

**2(1)** A **pool participant** may only deliver energy to the **interconnected electric system** pursuant to a **dispatch** or a **directive** the **ISO** issues.

**(2)** A **pool participant** must:

- (a) operate its generating **source assets** or cause them to be operated; and
- (b) respond to **dispatches** from the **ISO**,

using **good electric industry practice**, including the design, implementation and use of reasonable **dispatch** protocols, together with personnel and software systems designed to detect and address errors or omissions in a timely fashion.

#### Generating Asset Steady State Compliance

**3(1)** A **pool participant** must not, during **generating asset steady state**, vary the average MW it delivers from a generating **source asset** in any **10 minute clock period** outside the **allowable dispatch variance**.

**(2)** A **pool participant** that is supplying **regulating reserve** from a generating **source asset** must, notwithstanding subsection 3(1), ensure that the average MW delivered in any **10 minute clock period** is not outside the **allowable dispatch variance** plus the **regulating reserve**.

#### Ramping Compliance

**4(1)** A **pool participant** must move the output of a generating **source asset** which is:

- (a) the subject of a **dispatch**; and
- (b) **ramping**

towards the MW level indicated in that **dispatch** within 10 minutes of the time specified in the **dispatch** but not prior to the time specified in the **dispatch**.

**(2)** A **pool participant** must ensure that each generating **source asset** reaches **generating asset steady state** in:

- (a) no longer than the period of time calculated as follows:
  - (i) divide the change in **dispatch** MW by the **ramp rate** the **pool participant** submits;
  - (ii) add 40% of the time calculated in subsection 4(2)(a)(i) or 5 minutes, whichever is greater; and
  - (iii) add the 10 minutes referred to in subsection 4(1);

and

- (b) no sooner than the period of time calculated as follows:
  - (i) divide the change in **dispatch** MW by the **ramp rate** the **pool participant** submits; and

- (ii) subtract 40% of the time calculated in subsection 4(2)(b)(i) or 5 minutes, whichever is greater.

#### Operational Deviation

**5(1)** A **pool participant** must, if an **operational deviation** extends for 20 minutes or longer, submit an **available capability** restatement or MW restatement for the generating **source asset** that represents the operational capability of the generating **source asset** and must do so no later than 20 minutes after the commencement of the **operational deviation**.

#### Exceptions to Non-Compliance

**6(1)** Notwithstanding the provisions set out in subsections 3, 4 and 5, the **ISO** must not determine that a **pool participant** is non-compliant with a **dispatch** for a generating **source asset** if the **pool participant** has met its responsibilities as set out subsection 2 and one or more of the following circumstances occur:

- (a) the generating **source asset** is **ramping** into position to provide **operating reserve** in response to a **dispatch** in the 15 minutes before the time indicated in that **dispatch**;
- (b) the generating **source asset** is operating below the **minimum stable generation** level indicated in the Energy Trading System, but only if that generating **source asset** is:
  - (i) synchronizing and its **available capability** the **pool participant** submitted is equal to its **minimum stable generation** and it has received a **dispatch** for that quantity, in MW;
  - (ii) going off line and its **available capability** the **pool participant** submitted is equal to 0 MW and it has received a **dispatch** for that quantity, in MW;
  - (iii) unable to follow the **ramp rate** the **pool participant** submitted when its output is being increased to its **minimum stable generation** and the **pool participant** has submitted a verbal plan to the **ISO** indicating a proposal for **ramping** to **minimum stable generation**, which verbal plan must be provide an estimate of the time required to achieve the **ramp rate** and be updated for deviations of greater than 30 minutes or 50 MW; or
  - (iv) stopped at an output level not identified in the verbal plan referenced in subsection 6(1)(b)(iii) above, but which is below **minimum stable generation** for more than 30 minutes for an operational reason and the **pool participant** has submitted a restatement of the **available capability** accordingly;
- (c) the generating **source asset** is responding to abnormal frequency through automatic **governor** or **governor system** action;
- (d) an **operational deviation** has occurred and the **pool participant** has complied with subsection 5; and
- (e) energy is being delivered to the **interconnected electric system** from a generating **source asset** while it is being tested or commissioned or both, in accordance with applicable provisions of the **ISO rules**.

#### Concurrent Energy and Operating Reserve Requirements

**7(1)** The **ISO** must, when assessing a **pool participant's** compliance with subsections 4(3) through 4(6) of Section 205.2 of the **ISO rules**, *Issuing Dispatches and Directives for Operating Reserve* in a situation where there are concurrent energy and **spinning reserve** requirements or energy and **supplemental reserve** requirements, consider the time of the energy **dispatch** to be:

- (a) 15 minutes after the **directive** for **spinning reserve** or **supplemental reserve** in the case of subsection 4(3); and
- (b) the time the **pool asset** is providing the amount of **real power** described in subsection 10(1) of

# ISO Rules

## Part 200 Markets

### Division 203 Energy Market

#### Section 203.4 Delivery Requirements for Energy



Section 205.5 of the **ISO rules**, *Spinning Reserve Technical Requirements and Performance Standards*, or subsection 6(1) of Section 205.6 of the **ISO rules**, *Supplemental Reserve Technical Requirements and Performance Standards*, in the case of subsection 4(4);

- (c) the later of 15 minutes after the **directive** for **spinning reserve** or **supplemental reserve** or the time of the **dispatch** in the case of subsection 4(5); and
- (d) the time the **pool asset** is providing the amount of **real power** described in subsection 10(1) of Section 205.5 of the **ISO rules**, *Spinning Reserve Technical Requirements and Performance Standards*, or subsection 6(1) of Section 205.6 of the **ISO rules**, *Supplemental Reserve Technical Requirements and Performance Standards*, in the case of subsection 4(6).

**(2)** The **ISO** must, when assessing a **pool participant**'s compliance with subsections 4(3) through 4(6) of Section 205.2 of the **ISO rules**, *Issuing Dispatches and Directives for Operating Reserve* in a situation where there are concurrent energy and **spinning reserve** requirements or energy and **supplemental reserve** requirements, consider the MW quantity to be the energy **dispatch** quantity plus the **spinning reserve** or **supplemental reserve** quantity while the **directive** remains in effect.

#### Revision History

| Date       | Description  |
|------------|--|
| 2023-03-31 | Updated to align with current AESO drafting principles.  |
| 2020-09-16 | Amended Section 3(1) and 3(2) to clarify generating asset steady state compliance. Administrative amendments.                    |
| 2014-12-23 | Added subsection 7 to address requirements in section 205.2 of the ISO rules related to concurrent energy and operating reserve. |
| 2013-01-08 | Initial release  |