

ISO Rules

Part 200 Markets

Division 202 Dispatching the Markets

Section 202.5 Supply Surplus



External Re-Consultation Draft August 22, 2017

Applicability

- 1 Section 202.5 applies to:
- (a) a **pool participant**; and
 - (b) the **ISO**.

Requirements

State of Supply Surplus and Multiple Zero Dollar (\$0) Offers

2(1) If during a current hour the **ISO** forecasts that the **interconnected electric system** will experience a state of supply surplus in the next hour, as evidenced by the in merit electricity supply consisting of only multiple ~~zero-dollar (\$0) offers~~ and the supply of electricity available ~~at zero dollars (\$0) exceeding from these offers exceeds~~ the **system load**, then the **ISO** may curtail next hour import **interchange transactions** to manage balance system supply and **system load**.

(2) Subject to subsection 2(3), if during a current hour the **ISO** determines that a state of supply surplus is imminent in the current hour or already exists, then the **ISO** must comply with the following procedures as may be required, in the following sequence, to manage balance system supply and **system load**:

- (a) initiate ~~one (1)~~ curtailment of ~~current hour~~ import **interchange transactions** ~~if it can be completed in the current hour~~;
- (b) allow **pool participants** to submit ~~offers for bids to increase~~ export **interchange transactions** within two (2) hours of the start of a **settlement interval**;
- (c) allow **pool participants** to submit ~~restatements reducing generating unit output~~ offers to decrease import interchange transactions within two (2) hours of the start of a **settlement interval**;
- (d) allow pool participants to submit restatements reducing generating unit and aggregated generating facility output within two (2) hours of the start of a settlement interval;
- (e) issue, on a pro rata basis:
 - (i) **dispatches to generating units** and aggregated generating facilities for partial volumes of **flexible blocks** of the ~~zero-dollar (\$0) offers~~; ~~and~~
 - (ii) directives to any available wind aggregated generating facilities;
- (f) if there are source assets generating units and aggregated generating facilities with zero dollar (\$0) offers for inflexible blocks stating volumes greater than their declared minimum stable generation, then issue directives to curtail those source assets generating units and aggregated generating facilities to their declared minimum stable generation, starting with the source asset generating units and aggregated generating facilities having the greatest difference in MW between the then current dispatch level and minimum stable generation and continuing in descending order until all those source assets generating units and aggregated generating facilities have received directives; and
- (fg) issue directives for any other necessary actions, including the immediate curtailment of any additional import interchange transactions or the shutting down of generating units and aggregated generating facilities, to ensure system reliability.

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(3) If the ISO determines that a ~~source asset~~**generating unit or aggregated generating facility** is running at a generation level higher than its **minimum stable generation** in order to provide **regulating reserve**, then the ISO may, as part of the effective execution of the procedures set out in subsection 2(2), issue a **dispatch** to curtail delivery of **regulating reserve** from that ~~source asset~~**generating unit or aggregated generating facility** and issue a **dispatch** for **regulating reserve** to another ~~source~~**asset****generating unit or aggregated generating facility** which can provide **regulating reserve** while operating at a lower generation level at or above **minimum stable generation**.

(4) If during a current hour the present, real time operating conditions change such that the ISO determines that following the procedural sequence set out in subsections 2(2) and 3 would put the ISO in contravention of any **reliability standard** requirement by failing to achieve compliance within the operating limits or required response time specified in that **reliability standard**, then the ISO may alter the procedural sequence.

(5) If the ISO alters the procedural sequence as set out in subsection 2(4), then once the ISO is assured that the **interconnected electric system** is operating in a safe and reliable mode, the ISO must recommence the procedural sequence set out in subsections 2(2) and 3.

Transitioning Out of a State of Supply Surplus

3 When the ISO determines that the **interconnected electric system** is transitioning out of a state of supply surplus, the ISO must ~~comply with the following procedures as may be required~~**reverse any actions taken under subsection 2(2), in the following sequence**~~reverse order~~, to ~~manage balance~~ system supply and ~~system load~~:

- (a) ~~issue directives to reverse any actions taken under 2(2)(f);~~
- (b) ~~issue directives for any source asset with zero dollar (\$0) offers for inflexible blocks from their minimum stable generation level to their zero dollar (\$0) offer level, starting with the source asset with the smallest difference between offer volumes and minimum stable generation and continuing in ascending order until all such source assets have received directives; and~~
- (c) ~~issue, on a pro-rata basis:~~
 - (i) ~~dispatches to generating units for partial volumes flexible blocks of the zero dollar (\$0) offers; and~~
 - (ii) ~~directives to any available wind aggregated generating facilities.~~

Revision History

Effective	Description
<u>xxxx-xx-xx</u>	<u>Revised "source asset" to "generating unit or aggregated generating facility";</u> <u>clarified subsections 2 and 3; and</u> <u>administrative revisions.</u>
2012-03-28	Initial release