

Applicability

- 1 Section 505.2 applies to:
- (a) the **ISO**.

Requirements

Performance Assessment

2(1) The **ISO** must use the performance criteria in this section 505.2, in accordance with section 29(5) of the *Transmission Regulation*, to assess the satisfactory performance of a generation facility, being a **generating unit** or an **aggregated generating facility**, for which a **market participant**:

- (a) has paid to the **ISO** a **legal owner's** contribution for the generation facility in accordance with subsection 4 of section 10 of the **ISO tariff**; and
- (b) may receive a refund of that contribution in accordance with subsection 5 of section 10 of the **ISO tariff**.

(2) The **ISO** must calculate the performance assessment for the 2015 calendar year and each subsequent calendar year as:

- (a) the availability assessment calculated in accordance with subsection 3, 4 or 5 below, as applicable,

multiplied by
- (b) the overcontract assessment calculated in accordance with subsection 6 below.

(3) The **ISO** must calculate refund for each calendar year during the refund period as:

$$\text{refund} = \text{annual amount} \times \text{performance assessment},$$

where the annual amount is as specified in subsection 5(3) of section 10 of the **ISO tariff**, and the performance assessment is calculated in accordance with subsection 2(2) of this section 505.2.

Availability Assessment for Generation Other Than Wind, Hydro, Less Than 5 MW and Behind-the-Fence

3(1) The **ISO** must calculate the availability assessment in accordance with this subsection 3 for a generation facility that:

- (a) is not a hydro or wind generation facility;
- (b) has a **maximum capability** of 5 MW or greater; and
- (c) is not a generation facility that is behind-the-fence and primarily intended to fully or partially serve onsite industrial load.

ISO Rules
 Part 500, Transmission
 Division 505, Legal Owners of Generating Facilities
 Section 505.2, Performance Criteria for Refund of
 Generating Unit Owner's Contribution



(2) The ISO must calculate the availability assessment individually for each generation facility to which this subsection 3 applies.

(3) The ISO must calculate the average hourly availability for each generation facility, where:

(a) hourly availability (time weighted) = $\frac{\text{available capability}}{\text{maximum capability}}$; and

(b) average hourly availability = $\frac{\sum \text{hourly availability for all hours of the year}}{\text{number of hours in the year}}$

(4) The ISO must calculate the availability assessment for each generation facility, based on the average hourly availability as follows:

Average Hourly Availability	Availability Assessment
Less than 0.60	0%
0.60 to 0.80	$\frac{\text{average hourly availability} - 0.60}{0.20} \times 100\%$
Greater than 0.80	100%

Availability Assessment for Generation Using Wind or Hydro or Less Than 5 MW

4(1) The ISO must calculate the availability assessment in accordance with this subsection 4 for a generation facility that:

- (a) is a hydro or wind generation facility; or
- (b) has a **maximum capability** of less than 5 MW.

(2) The ISO must:

- (a) calculate the availability assessment in aggregate for all generation facilities that are served under a single Rate STS **system access service** agreement; and
- (b) apply the aggregate availability assessment to each generation facility to which this subsection 4 applies.

(3) The ISO must calculate the average hourly availability in aggregate for all generation facilities that are served under a single Rate STS **system access service** agreement, over all hours in the period during which performance is being assessed, where:

ISO Rules
 Part 500, Transmission
 Division 505, Legal Owners of Generating Facilities
 Section 505.2, Performance Criteria for Refund of
 Generating Unit Owner's Contribution



(a) for an hour during a month in which Rate STS **contract capacity** is greater than zero (0):

$$\text{hourly availability (time weighted)} = \frac{\text{metered energy} + \text{dispatch volume of operating reserves}}{\text{Rate STS contract capacity}};$$

(b) for an hour during a month in which Rate STS **contract capacity** is zero (0):

$$\text{hourly availability} = 1.00 ; \text{ and}$$

$$\text{(c) average hourly availability} = \frac{\sum \text{hourly availability for all hours of the year}}{\text{number of hours in the year}}$$

(4) The **ISO** must calculate the availability assessment in aggregate for all generation facilities that are served under a single Rate STS **system access service** agreement, based on the average hourly availability as follows:

Average Hourly Availability	Availability Assessment
Less than 0.15	0%
0.15 to 0.25	$\frac{\text{average hourly availability} - 0.15}{0.10} \times 100\%$
Greater than 0.25	100%

Availability Assessment for Behind-the-Fence Generation

5(1) The **ISO** must calculate the availability assessment in accordance with this subsection 5 for a generation facility that is behind-the-fence and primarily intended to fully or partially serve onsite industrial load.

(2) The **ISO** must:

- (a) calculate the availability assessment in aggregate for all generation facilities that are served under a single Rate STS **system access service** agreement; and
- (b) apply the aggregate availability assessment to each generation facility to which this subsection 5 applies.

(3) The **ISO** must calculate the average hourly availability in aggregate for all generation facilities that are served under a single Rate STS **system access service** agreement, over all hours in the period during which performance is being assessed, where:

(a) if the generation facility offers on a net basis:

(i) for an hour during a month in which Rate STS **contract capacity** is greater than zero (0):

$$\text{hourly availability (time weighted)} = \frac{\text{total available capacity}}{\text{Rate STS contract capacity}}; \text{ and}$$

(ii) for an hour during a month in which Rate STS **contract capacity** is zero (0):

$$\text{hourly availability} = 1.00 ;$$

(b) if the generation facility offers on a gross basis:

$$\text{hourly availability (time weighted)} = \frac{\text{available capability}}{\text{maximum capability}}; \text{ and}$$

$$(c) \text{ average hourly availability} = \frac{\sum \text{hourly availability for all hours of the year}}{\text{number of hours in the year}}$$

(4) The **ISO** must calculate the availability assessment in aggregate for all generation facilities that are served under a single Rate STS **system access service** agreement, based on the average hourly availability as follows:

Average Hourly Availability	Availability Assessment
Less than 0.60	0%
0.60 to 0.80	$\frac{\text{average hourly availability} - 0.60}{0.20} \times 100\%$
Greater than 0.80	100%

Overcontract Assessment

6(1) The **ISO** must, for a generation facility to which this section 505.2 applies:

(a) calculate the overcontract assessment in aggregate for all generation facilities that are served under a single Rate STS **system access service** agreement; and

(b) apply the aggregate overcontract assessment to each generation facility that is served under that Rate STS **system access service** agreement.

(2) The **ISO** must calculate the overcontract factor in aggregate for all generation facilities that are served under a single Rate STS **system access service** agreement, based on the **metered energy**

ISO Rules
 Part 500, Transmission
 Division 505, Legal Owners of Generating Facilities
 Section 505.2, Performance Criteria for Refund of
 Generating Unit Owner's Contribution



supplied above Rate STS **contract capacity**, over all hours in the period during which performance is being assessed, as follows:

$$\text{overcontract factor} = \frac{\sum(\text{metered energy} - \text{Rate STS contract capacity})}{\sum \text{Rate STS contract capacity}} \times 100\%$$

hours when metered energy > Rate STS contract capacity
all hours

(3) The ISO must, in any month in which Rate STS **contract capacity** is less than 5 MW, deem Rate STS **contract capacity** to be 5 MW during that month for the calculation of the overcontract factor in subsection 6(2) above.

(4) The ISO must exclude from the calculation of the overcontract factor in subsection 6(2) above any hours in which the ISO issues a **directive** to the **legal owner** of a generation facility to temporarily exceed the Rate STS **contract capacity** during an **emergency**.

(5) The ISO must calculate the overcontract assessment in aggregate for all generation facilities that are served under a single Rate STS **system access service** agreement, based on the overcontract factor calculated in subsection 6(2) above as follows:

Overcontract Factor	Overcontract Assessment
Less than 0.01	100%
0.01 to 0.05	$\frac{0.05 - \text{overcontract factor}}{0.04} \times 100\%$
Greater than 0.05	0%

Adjustments

7 The ISO may make adjustments to the hourly availability and/or the overcontract factor where the hourly availability and/or the overcontract factor are affected by events outside the control of the **owner** of a generation facility, including but not limited to a transmission and/or distribution facility outage, congestion, a **directive** issued by the ISO or a circumstance arising under the **ISO tariff** or an **ISO rule**.

Communication

8 The ISO must provide a preliminary performance assessment, along with all related input data, to the **owner** of a generation facility by January 31 of the year following the calendar year to which the refund relates.

ISO Rules
Part 500, Transmission
Division 505, Legal Owners of Generating Facilities
Section 505.2, Performance Criteria for Refund of
Generating Unit Owner's Contribution



Revision History

Date	Description
2016-01-29	Initial release.