

ISO Rules

Part 500 Transmission

Division 505 Legal Owners of Generating Facilities

Section 505.2 Performance Assessment for Refund of Generating Unit Owner's Contribution



Applicability

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

Requirements

Refund of Generating Unit Owner's Contribution

- 2 The **ISO** must calculate a refund for each calendar year during the refund period as:

$$\text{refund} = \text{annual amount} \times \text{availability assessment}$$

where:

- (a) annual amount is as specified in the **ISO tariff**; and
- (b) availability assessment is calculated in accordance with subsection 3, 4, or 5, as applicable.

Availability Assessment for Generation With Energy Market Offers

- 3 Subject to subsections 4 and 5, the **ISO** must calculate the availability assessment for a **generating unit** or an **aggregated generating facility** that submits **offers** for energy as follows:

- (a) identify cumulative time-weighted hourly availability using the **available capability** of the **generating unit** or **aggregated generating facility** in relation to its critical **maximum capability**;
- (b) calculate the average hourly availability by dividing the value determined in subsection 3(a) by the number of hours in the year; and
- (c) determine the availability assessment for the **generating unit** or **aggregated generating facility** based on the average hourly availability as follows:

Average Hourly Availability [subsection 3(c)]	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 Renewable Generation and Generation with a Maximum Capability Less than 5 MW

- 4 The **ISO** must calculate the availability assessment for a wind, solar, or run of river hydroelectric **generating unit** or an **aggregated generating facility**, an aggregated asset containing a wind, solar or run of river **generating unit** or **aggregated generating facility**, and a **generating unit** or **aggregated generating facility** with a **maximum capability** less than 5 MW, as follows:

- (a) identify the cumulative time-weighted hourly availability using the metered energy of the **generating unit** or **aggregated generating facility**, less any volumes dispatched for **operating reserve**, in relation to its critical **maximum capability**;

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- (b) calculate average hourly availability by dividing the value determined in subsection 4(a) by the number of hours in the year; and
- (c) subject to subsection 4(d), determine the availability assessment for the **generating unit** or **aggregated generating facility** based on the average hourly availability as follows:

Average Hourly Availability [subsection 4(c)]	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%

- (d) determine the availability assessment for a solar **aggregated generating facility** based on the average hourly availability as follows:

Average Hourly Availability [subsection 4(c)]	Availability Assessment
Less than 0.08	0%
0.08 to 0.12	$\frac{\text{average hourly availability} - 0.08}{0.04} \times 100\%$
Greater than 0.12	100%

Availability Assessment for Behind the Fence Generation with Net Offers

5 The ISO must calculate the availability assessment for a site with 1 or more onsite **generating units** or **aggregated generating facilities** that supplies electric energy for 1 or more onsite load assets and offers excess generation to the energy market on a net basis as follows:

- (a) identify the cumulative time-weighted hourly availability using the **available capability** of the site in relation to the site's Rate STS **contract capacity**;
- (b) calculate average hourly availability by dividing the value determined in subsection 6(a) by the number of hours in the year; and
- (c) determine the availability assessment for the site based on the average hourly availability as follows:

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Average Hourly Availability [subsection 5(c)]	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%

Adjustments

6 The **ISO** may make adjustments to the hourly availability if the **generating unit** or **aggregated generating facility** is affected by an event outside the control of the **owner** of a **generating unit** or **aggregated generating facility**, including but not limited to a transmission or distribution facility outage, congestion, a **directive** issued by the **ISO** or a circumstance arising under the **ISO tariff** or an **ISO rule**.

Communication

7 The **ISO** must provide a preliminary performance assessment, along with all related input data, to the **legal owner** of a **generating unit** or an **aggregated generating facility** by January 31 of the year following the calendar year to which the refund relates.

Revision History

Date	Description
2021-XX-XX	Revisions to incorporate changes from 2018 ISO tariff and to simplify rule language.
2020-01-01	Revisions to clarify "generating facility" as "generating unit or aggregated generating facility"; and applicability to a solar aggregated generating facility.
2016-01-29	Initial release.