

ISO Rules

Part 500 Facilities

Division 503 Technical & Operating Requirements

Section 503.2 Maximum Authorized Real Power and Maximum Authorized Charging Power



Applicability

- 1 Section 503.2 applies to:
 - (a) the **legal owner** and **operator** of a **generating unit, aggregated facility, or energy storage resource** that is directly connected to the **transmission system** or to **transmission facilities** within the City of Medicine Hat, including a **generating unit, aggregated facility, or energy storage resource** situated within an industrial complex that is directly connected to the **transmission system**;
and
 - (b) the **ISO**.

Requirements

Maximum Authorized Real Power

- 2(1) The **legal owner** must, upon receiving a request from the **ISO**, determine the **maximum authorized real power** for the **generating unit, aggregated facility, or energy storage resource** and provide this value to the **ISO**.
- (2) The **legal owner** of an **aggregated facility** must ignore any auxiliary power used in the operation of the facility in determining the **maximum authorized real power**.
- (3) The **legal owner** must consider the capability and limitations of the **generating unit, aggregated facility, or energy storage resource** under optimal conditions when determining **maximum authorized real power**.

Maximum Authorized Charging Power

- 3(1) The **legal owner** of an **energy storage resource** or **aggregated facility** containing an **energy storage resource** must, upon receiving a request from the **ISO**, determine the **maximum authorized charging power** for the **energy storage resource** or **aggregated facility** and provide this value to the **ISO**.
- (2) The **legal owner** of an **aggregated facility** containing an **energy storage resource** must ignore any auxiliary power used in the operation of the facility in determining the **maximum authorized charging power**.
- (3) The **legal owner** of an **energy storage resource** or **aggregated facility** containing an **energy storage resource** must consider the capability and limitations of the **energy storage resource** or **aggregated facility** under optimal conditions when determining **maximum authorized charging power**.

Operation at Maximum Authorized Real Power

- 4(1) The **operator** must not operate the **generating unit, aggregated facility, or energy storage resource** above the **maximum authorized real power**.
- (2) The **ISO** may, notwithstanding subsection 4(1), request that the **operator** operate above the **maximum authorized real power** of the **generating unit, aggregated facility, or energy storage resource** during supply shortfall events.

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(3) The **ISO** must, when the additional **real power** referred to in subsection 4(2) is no longer required, notify the **operator** to return the **generating unit, aggregated facility, or energy storage resource** to a value at or below the **maximum authorized real power**.

Operation at Maximum Authorized Charging Power

5 The **operator** of an **energy storage resource** or **aggregated facility** containing an **energy storage resource** must not operate the **energy storage resource** or **aggregated facility** below the **maximum authorized charging power**.

Revision History

Date	Description
2024-04-01	Initial release.