

Alberta Reliability Standard Demand and Energy Data MOD-031-AB-2



1. Purpose

The purpose of this **reliability standard** is to identify the requirements for the **ISO** to provide to the **WECC**, demand, energy and related data to support **reliability** studies and assessments.

2. Applicability

This **reliability standard** applies to:

- (a) the **ISO**.

3. Requirements

R1 Intentionally left blank.

R2 Intentionally left blank.

R3 The **ISO** must provide the data listed below, for the Alberta **balancing authority area**, to the **WECC** within **75 days** of receiving a request for such data, unless the **WECC** and the **ISO** agree otherwise:

R3.1 any or all of the following actual data:

R3.1.1 integrated hourly **demands** in MWs for the prior calendar year;

R3.1.2 **monthly** and annual integrated peak hour **demands** in MWs for the prior calendar year;

R3.1.2.1 if the annual peak hour actual **demand** varies due to weather related conditions (e.g., temperature, humidity or wind speed), the **ISO** must also provide the weather normalized annual peak hour actual **demand** for the prior calendar year;

R3.1.3 **monthly** and annual net energy for load in GWhs for the prior calendar year; and

R3.1.4 **monthly** and annual peak hour controllable and dispatchable **demand** side management under the control or supervision of the **ISO** in MWs for the prior calendar year including, reporting for each hour: 1) the committed MWs (the amount under control or supervision); 2) the MWs issued in a **dispatch** (the amount, if any, activated for use by the system operator); and 3) the realized MWs (the amount of actual demand reduction);

R3.2 any or all of the following forecast data:

R3.2.1 **monthly** peak hour forecast total internal **demands** in MWs for the next 2 calendar years;

R3.2.2 **monthly** forecast net energy for load in GWhs for the next 2 calendar years;

R3.2.3 peak hour forecast total internal **demands** (summer and winter) in MWs for 10 calendar years into the future;

R3.2.4 annual forecast net energy for load in GWhs for 10 calendar years into the future; and

R3.2.5 total and available peak hour forecast of controllable and dispatchable **demand** side management (summer and winter), in MWs, under the control or supervision of the system operator for 10 calendar years into the future;

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R3.3 any or all of the following summary explanations:

- R3.3.1** the assumptions and methods used in the development of aggregated peak **demand** and net energy for load forecasts;
- R3.3.2** the **demand** and energy effects of controllable and dispatchable **demand** side management under the control or supervision of the system operator;
- R3.3.3** how **demand** side management is addressed in the forecasts of its peak **demand** and annual net energy for load;
- R3.3.4** how the controllable and dispatchable **demand** side management forecast compares to actual controllable and dispatchable **demand** side management for the prior calendar year and, if applicable, how the assumptions and methods for future forecasts were adjusted; and
- R3.3.5** how the peak **demand** forecast compares to actual **demand** for the prior calendar year with due regard to any relevant weather-related variations (e.g., temperature, humidity, or wind speed) and, if applicable, how the assumptions and methods for future forecasts were adjusted.

R4 Intentionally left blank.

4. Measures

The following measures correspond to the requirements identified in section 3 of this **reliability standard**. For example, MR1 is the measure for requirement R1.

MR1 Intentionally left blank.

MR2 Intentionally left blank.

MR3 Evidence of providing the data as required in requirement R3 exists. Evidence may include dated emails or dated transmittal letters, or other equivalent evidence.

MR4 Intentionally left blank.

Revision History

Date	Description
2018-08-01	Initial release.