

Daily Outage Metadata

Report Category: Current



METADATA

Data Description

The daily outage report provides the hourly average amount of supply on outage by day and fuel type for the next four months. The report defines operational outages as the difference between an asset's Maximum Capability (MC) and Availability Capability (AC) including reduced AC during derates or coming online. Outages at all assets are summed by hour and by fuel type, excluding any mothball (MBO) and averaged over each day. The MBO outages are grouped independently and are not separated by fuel type.

Generation Outage:

All units within the same fuel type category are aggregated to create one final outage amount for each fuel type for each time block. The aggregated volume for each fuel type is then rounded off to the nearest 1 MW.

For a given asset with MC, AC:

$$\text{Operational Outage} = MC - AC - MBO \quad (\text{Displayed on fuel type specific column})$$

Where

- MBO is the hourly average mothball outage for the asset for each day

Load Outage:

The aggregated daily planned outages determined by ISO will create the daily average planned outage amount in MW, rounded to the nearest MW, for each business day of the then current month and the next 3 successive months. The load outage column is based on information submitted to the AESO by individual market participants related to decreases in their capability to consume load. The AESO aggregates load outage records and determines daily load outages based on the submissions. A market participant with a planned decrease in its capability to consume load of 40 MW or greater, is required to report load outage records to the AESO as per the requirements of the ISO rules.

Definitions of Column Content

- **Date** - each business day of the current month and the next 3 successive months.
- **Coal** - all coal fired generation as listed on the Current Supply and Demand page
- **Dual Fuel** - all dual fuel generation as listed on the Current Supply and Demand page
- **SC** - all simple cycle generation as listed on the Current Supply and Demand page
- **Cogen** - all Cogen generation as listed on the Current Supply and Demand page
- **CC** - all combined cycle generation as listed on the Current Supply and Demand page
- **GFS** - all gas fired steam generation as listed on the Current Supply and Demand page
- **Hydro** - all hydro generation as listed on the Current Supply and Demand page
- **Wind** - all wind generation as listed on the Current Supply and Demand page
- **Solar** - all solar generation as listed on the Current Supply and Demand page
- **Energy Storage** - all storage generation as listed on the Current Supply and Demand page
- **Biomass and Other** - all other generation as listed on the Current Supply and Demand page
- **Mothball (MBO)** - volume of all assets on mothball outage, regardless of fuel type
- **Load** - sum of all planned decrease in consumption submitted by participants

Submission and Reporting of Outage Information

Generation Outage:

The generation outage charts are produced using the best available information as submitted to the AESO by market participants. The charts presented in this report are prepared by aggregating submitted outage information based on fuel type.

Description of Methodology:

$$\text{Generation Outage MW} = \text{Rounded} \left\{ \frac{\text{Sum of the MWh of outage by time period and by fuel type}}{\text{Number of hours in the time period}} \right\}$$

Load Outage:

For each business day, all the load planned outage records submitted by market participants must be aggregated and calculated as the aggregated daily planned outages in MW:

Description of Methodology for each business day:

$$\text{Load Outage MW} = \text{Rounded} \left\{ \frac{\text{Sum of the MWh of all submitted planned outages by time period}}{\text{Number of hours in the time period}} \right\}$$

Available Formats

- HTML
- CSV

Timing of Updates

This report is updated on demand and change of data.

- **Generation outage records received as of** - The latest date and time (MST) at which the generation outage records were fetched from the database
- **Last Updated** - The latest date and time (MST) at which the report was updated.

References

- Section 306.3 Load Planned Outage Reporting
- Section 306.5 Generation Outage Reporting and Coordination

Disclaimer

This document and the information contained herein are based upon information and data which by their nature contain a degree of uncertainty and are subject to change. In addition, this document may contain information and data from public sources and/or third parties, which have been assumed to be accurate and complete and have not been verified. Accordingly, the Independent System Operator, operating as the Alberta Electric System Operator (the "AESO") makes no warranty, representation or guarantee, express or implied, with respect to this document or the information contained herein, including, but not limited to, any warranty, representation or guarantee of accuracy,

completeness, timeliness, reliability, availability, absence of computer virus, non-infringement, merchantability or suitability for any purpose. Under no circumstances will the AESO, its members, officers, employees, contractors or agents, or any of their respective affiliates, be liable for any errors or omissions in, or any losses, damages or claims whatsoever, whether in contract, tort or otherwise, arising from use of or reliance upon, this document or any information contained herein.

© 2009 Alberta Electric System Operator. All rights reserved.