

Information documents are not authoritative. Information documents are for information purposes only and are intended to provide guidance. In the event of any discrepancy between an information document and any authoritative documents¹ in effect, the authoritative documents govern.

1 Purpose

This information document is most applicable to the following authoritative document and is of most interest to operators of transmission facilities:

- Alberta Reliability Standard EOP-011-AB-1, *Emergency Operations* (“EOP-011-AB-1”).

The purpose of this information document is to provide:

- (a) guidance on what constitutes an operating emergency;
- (b) guidance on what an operating emergency is as it pertains to an operator of a transmission facility that either connects to or is part of an industrial complex;
- (c) the AESO’s contact information required for submitting updated plans to mitigate operating emergencies; and
- (d) guidance for industrial complexes in respect of a directive for a net-to-grid load reduction.

2 Guidance information for Operating Emergencies

2.1 Operating Emergencies for an Operator of a Transmission Facility

Requirement R1 of EOP-011-AB-1 sets out requirements for the operator of a transmission facility related to operating plans to mitigate operating emergencies. Each operator of a transmission facility determines the operating plans that are appropriate for its transmission facilities.

The AESO has provided the following examples to depict what it considers to be an operating emergency from an overall system operations perspective. This list is not exhaustive:

- (a) an energy emergency alert;
- (b) operating situations that could require load shedding;
- (c) an event where there is a loss of control, or a loss of supervisory control and data acquisition visibility, that needs to be communicated to operating entities to maintain the reliable operation of the interconnected electric system; or
- (d) known or anticipated regional system conditions, such as potential islanding, low voltage, overload, or off-nominal frequency conditions.

Note that there are reliability standards that require the development of specific operating plans for specific types of operating emergencies. It is not the intent of EOP-011-AB-1 to require the duplication of such operating plans for operating emergencies that are specifically covered by other reliability standards. These reliability standards include:

- EOP-005-AB-3, *System Restoration from Blackstart Resources*;
- EOP-006-AB-3, *System Restoration Coordination*; and
- EOP-008-AB-1, *Loss of Control Centre Functionality*.

¹ “Authoritative documents” is the general name given by the AESO to categories of documents made by the AESO under the authority of the *Electric Utilities Act* and associated regulations, and that contain binding legal requirements for either market participants or the AESO, or both. AESO authoritative documents include: the ISO rules, the reliability standards, and the ISO tariff.

2.2 Operating Emergencies for an Industrial Complex

The operator of a transmission facility that is within, or connects to, an industrial complex may in addition to the operating emergencies listed in 2.1(a), (b), and (c) above, consider developing operating plans for:

- (a) the coordination with adjacent operators of a transmission facility and the AESO, following the loss of a connection to the interconnected electric system and for restoring the connection; and
- (b) managing overloads upon the loss of one or more parallel connections to an industrial complex.

2.3 Submission of Emergency Operating Plans

The operator of a transmission facility is expected to provide its emergency operating plans set out in requirement R1 of EOP-011-AB-1 by email to the AESO for review. The designated email for submission is: systemcontrollerprocedures@aeso.ca with “EOP-011” in the subject line.

In some cases, the operator of a transmission facility may subsequently revise a previously submitted emergency operating plan. Depending on the nature of the revisions, the revised emergency operating plans may not require AESO review. Examples of revisions that may not require AESO review include editorial updates, clarification of instructions, and phone number changes.

2.4 Guidance on Net to Grid Load Reduction at an Industrial Complex

When the AESO issues a directive for net-to-grid load reduction, referred to as a load shed directive, it will include a specified timeframe.

When an operator of a transmission facility determines its provisions for manual load shedding for mitigating emergencies, pursuant to requirement R1.2.5 of EOP-011-AB-1, an industrial complex with both generation and load may increase generation in lieu of curtailing load. The operator may increase generation in lieu of curtailing load only if, at the time it receives a load shed directive from the AESO, the industrial complex has unloaded generating capacity power output that is able to be increased within the stipulated time requirements of the load shed directive.

Revision History

Posting Date	Description of Changes
2024-06-12	Amended subsection 2.1 to add more clarity on examples of operating emergencies and to update listed ARS version numbers.
2021-12-22	Amended subsection 2.3 to include examples of instances where the AESO may not review a revised emergency operating plan.
2021-03-30	Amended subsection 2.3 to include “EOP-011” in the subject line of the email.
2020-10-07	Initial release