

Transmission Modelling Information Session

Session purpose

The purpose of this Information Session is to provide updates and answer stakeholder questions on representations of:

- STATCOM for Alberta transmission system studies;
- Energy Storage Resources for Alberta transmission system studies; and
- Distribution Energy Resources for transmission system studies including the use of power factor control mode for synchronous machines.

As well as introduction on the modelling consideration of Transient Overvoltage study on transmission system, and overview of the changes introduced in the 2021 Planning Base Cases Suite.

Date: Thursday, August 12, 2021

Time: 9:00 a.m. – 12:00 p.m.

Location: Zoom Webinar

Item	Agenda Item
1	Introduction
2	Update on representation of STATCOMs for Alberta transmission system studies <ul style="list-style-type: none"> • SMART VALVE • Questions and discussion
3	Update on representation of Energy Storage Resources for Alberta transmission system studies <ul style="list-style-type: none"> • Questions and discussion
4	Update on representation of Distribution Energy Resources for transmission system studies including the use of power factor control mode for synchronous machines <ul style="list-style-type: none"> • Overview of Typical DER Model in ID #2010-001R • Questions and discussion
5	Introduction on the modelling consideration of Transient Overvoltage (TOV) study on transmission system. <ul style="list-style-type: none"> • Questions and discussion
6	Overview on the changes introduced in 2021 Planning Base Cases Suite. <ul style="list-style-type: none"> • Questions and discussion