

Information Session | Ensuring Grid Reliability and Operational Preparedness

Session purpose

The Alberta Interconnected Electric System (AIES) has experienced significant disturbance events in 2020 and 2021 due to tripping of generation in Alberta and/or the tripping of the interties with British Columbia and Montana, including the most recent system disturbance on June 3, 2021. The subsequent activation of the province's Under-Frequency Load Shed (UFLS) program during these events impacted customers in Alberta.

In response to these significant disturbance events and the challenging nature of the ever-evolving provincial interconnected electricity grid, the AESO has developed appropriate short-term and long-term mitigation plans to ensure continued reliability of the grid and maintain operational preparedness.

The purpose of this session is to:

- Provide an update on the system events, including the June 3, 2021 event.
- Provide an update on the progress related to the AESO's mitigation plans, including various initiatives to address system reliability needs that have been completed, currently underway, or planned in the near future.
- Discuss implications to the province's Most Severe Single Contingency (MSSC) of 466 MW.

Date: Thursday, October 7, 2021

Time: 9:30 a.m. – 11:30 a.m.

Location: Zoom Webinar

Time	Agenda Item	Presenters
9:30 a.m. to 11:30 a.m.	<ul style="list-style-type: none"> • Introduction, purpose and session objectives 	Dennis Frehlich Vice President, Grid Reliability
	<ul style="list-style-type: none"> • Overview of recent system events <ul style="list-style-type: none"> – Impact of generation pullback and distributed energy resources (DERs) loss during events 	Ata Rehman Director, Grid Planning & Operations Engineering
	<ul style="list-style-type: none"> • Plans to ensure grid reliability and operational preparedness <ul style="list-style-type: none"> – Short, medium, and long-term plans – Achievements and work in progress • Frequency response capability next steps 	Biju Gopi Manager, Operations Engineering and Market Support
	<ul style="list-style-type: none"> • Most Severe Single Contingency (MSSC) implications 	Dennis/Ata
	<ul style="list-style-type: none"> • Q&A 	Dennis/Ata/Biju

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