

Supplemental Assessment Information

In September 2019, the IESO issued the System Impact Assessment (SIA) report and the Notification of Conditional Approval (NoCA) for CAA 2018-633 to allow the connection of the second Dual Element Spot Network (DESN) switchyard and up to 369 MW of load at Leamington Transformer Station (TS). The SIA report required Hydro One to obtain an exemption from satisfying sections 7.1 and 7.2 (i.e. load security and restoration criteria) in Ontario Resource and Transmission Assessment Criteria (ORTAC) for the new loads supplied by Leamington TS under certain system conditions.

Hydro One energized the new DESN switchyard in December 2019 and obtained the required exemption in February 2020.

In May 2020, Hydro One submitted an updated peak load forecast for Leamington TS that exceeds the previously assessed peak load forecast by 41 MW in the winter and reaches a maximum of 404 MW by Q1, 2021 and 410 MW by Q2 2022. The IESO have assessed the impact of the updated peak load forecast on system reliability and issued an Addendum report for CAA 2018-633 in November 2020.

The Addendum report concluded that the updated peak load forecast is not expected to materially reduce the reliability of the system and supported the release of a new NoCA to allow the connection of the updated load forecast, subject of certain requirements. It identified that the updated peak load forecast exacerbates the amount in which the load security and restoration criteria are violated by 41 MW, and causes a new violation of the load security criteria under one system condition that was not covered by the previously obtained exemption. Therefore, the addendum SIA report required Hydro One to replace the current exemption with a new exemption that considers the updated load forecast.