

Municipality Of Chatham-Kent

Community Development

Information Report

To: Mayor and Members of Council

From: Bruce McAllister, Acting General Manager
Director, Planning Services

Date: August 24, 2020

Subject: Proposed Chatham to Lakeshore Transmission Line Project

This report is for the information of Council.

Background

Earlier this year, Hydro One Networks Inc. (Hydro One) initiated a Class Environmental Assessment (Class EA) to construct a new double-circuit 230 KV transmission line from the Chatham Switching Station (SS) located just south of the 401 on Communication Road in the Municipality of Chatham-Kent to the Lakeshore Switching Station (SS), which will be located in the Town of Lakeshore.

In June 2019, Hydro One received direction from the Independent Electricity Systems Operator to initiate work on development activities, including seeking relevant approvals for a new 230 kV double-circuit transmission line. The new transmission line is needed to help ensure the transmission system remains adequate to meet electricity demand, which is expected to increase significantly over the next decade due to strong agricultural growth in the Windsor-Essex area. The required in-service date for the transmission line and associated terminal facilities is prior to the winter of 2025/2026 to address the specified bulk system electricity needs.

Comments

The Chatham to Lakeshore Transmission Line project is subject to the "Class Environmental Assessment for Minor Transmission Facilities" (Hydro One, 2016), in accordance with the Ontario Environmental Assessment Act. The project will also require Ontario Energy Board (OEB) approval under Section 92 (Leave to Construct) of the OEB Act.

Hydro One has identified a number of potential transmission route alternatives for this new transmission line. During the Class EA process, these transmission alternatives will be assessed and evaluated on the basis of natural environment, socio-economic environment, and technical/cost factors to select the preferred route alternative for the

undertaking. More information, including interactive maps of these proposed transmission line alternatives can be found on Hydro One's project page:

[Hydro One - Major Projects - Chatham to Lakeshore](#)

Due to the COVID-19 pandemic, over the past several months Hydro One has held a number of virtual information sessions and other consultation events. It was determined that providing a presentation to Council on the project would also be of benefit.

Prepared by:



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