

315/25-kV **Hochelaga** Substation and 315-kV Supply Line

GENERAL INFORMATION • SPRING 2018

Current situation

Longue-Pointe (120/12 kilovolts, or kV) and Jeanne-d'Arc (120-25/12 kV) substations are located in the Mercier-Hochelaga-Maisonneuve borough. Longue-Pointe substation is located on Rue Trianon, near Rue Sherbrooke, while Jeanne-d'Arc substation is located on Rue Hochelaga, between Avenue Jeanne-d'Arc and Avenue d'Orléans.

Commissioned in 1957, Longue-Pointe substation now supplies power to nearly 30,000 customers, while Jeanne-d'Arc substation was commissioned in 1959 and supplies almost 50,000 customers. Most of the two substations' 120/12-kV equipment is nearing the end of its service life and needs to be replaced.

A major project for the borough

The new substation will:

- Replace equipment that is close to 60 years old
- Support local growth

Recommended solution

Hydro-Québec's recommendation is to build a new 315/25-kV substation. It will take over a portion of the Jeanne-d'Arc and Longue-Pointe load and be built in the Mercier-Hochelaga-Maisonneuve borough. It will be connected to the grid by a 315-kV supply line.

The new Hochelaga substation will ensure the long-term operability of Jeanne-d'Arc substation and a portion of Longue-Pointe substation. It will also meet the long-term growth in demand anticipated in this area.

Hydro-Québec will carry out draft-design studies for construction of the Hochelaga 315/25-kV substation and its connection to the transmission system.



Study area

The study area covers approximately 11 km² between Rue Sherbrooke to the west, the Fleuve Saint-Laurent (St. Lawrence River) to the east, Autoroute 25 to the north and Boulevard Pie IX to the south. The study area is located within the boundaries of the city of Montréal, in the borough of Mercier–Hochelaga-Maisonneuve. It is in an urban environment that is completely built up. The area is dominated by commercial and industrial areas, dotted with residential pockets.

The borough is currently the site of two major urban development projects:

- The Ministère des Transports, de la Mobilité durable et de l'Électrification des transports is planning to extend Avenue Souigny.
- The city of Montréal is planning to extend Boulevard de l'Assomption to improve traffic flow in the area and toward the Port of Montréal.

In addition, Montréal has plans to spur economic development in eastern Montréal.

Technical and environmental studies

Based on current knowledge and past experience with such projects, the main environmental concerns associated with the new substation and supply line are the following:

- Harmonious integration of the new facilities into the surroundings, in keeping with current land use and future plans
- Visual integration of the new facilities
- Noise levels around the substation
- Management of potentially contaminated soil
- Management of jobsite activities in an urban area

In the coming months, Hydro-Québec will carry out detailed technical and environmental studies to identify the project's characteristics and gain a better understanding of the area in question.



Study area

Transmission substation and line

- 120 kV (Orange dashed line with triangle)
- 315 kV (Green solid line with triangle)
- Borough border (Grey dashed line)





Jeanne-d'Arc substation

Public participation

Hydro-Québec will implement a communications program to maintain a dialogue with the community while the studies are being carried out. This will enable the company to take into account the concerns and expectations expressed by the public and key stakeholders and to adapt the project to local realities.

For more information

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Ce document est également publié en français.
Original text written in French.
2017E1376-REV-A



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Project schedule

DRAFT DESIGN

General information	Spring 2018
Public consultation	Fall 2018
Information on the solution selected	Winter 2018–2019

PROJECT

Filing of environmental impact assessment	Spring 2019
Permitting	Winter 2020–2021
Construction	Spring 2021–spring 2023
Commissioning	Spring 2023

Note: Schedule based on available preliminary information

