

315/25-kV Des Irlandais Substation

INFORMATION ON SOLUTION SELECTED • MAY 2018



Owing to the sharp increase in electricity demand, Montreal's current 120-kilovolt (kV) system will reach its maximum capacity in the coming years. The downtown Adélard-Godbout and Central-2 substations supply many areas experiencing development, including Griffintown, the port area south of the Canal de Lachine and Cité-du-Havre.

At present, the 120-kV system's operational leeway is being used to meet demand during the summer, but the rise in demand will practically eliminate this leeway within a few years. In addition, the new Réseau électrique métropolitain (REM), which will

provide a light rail link from the south shore to downtown Montréal, will require an electricity supply between Pont Champlain and Gare Centrale, an area currently served by the above substations.

The new Des Irlandais substation will be located in an industrial area near Viger substation on property now occupied by Loto-Québec and the Lafarge cement factory. This site is bordered by Rue Bridge in the Sud-Ouest borough's Pointe-Saint-Charles neighborhood. The future substation will be supplied by a short underground line from Viger substation.



Irish Monument



Open house on March 22, 2018.
Fergus Keyes (foreground) and
Victor Boyle (background), directors
of the Montreal Irish Monument
Park Foundation.

Public participation

In summer 2017, Hydro-Québec acquired the land and began discussing the project with the community.

To ensure that the new substation blends in harmoniously with its surroundings, Hydro-Québec took into account the revitalization plans for this part of Montréal and the presence of the Irish Monument, also known as the "Black Rock". As a result of the discussions with the various parties, a partnership was formed with the city of Montréal and the local Irish community, and a working committee was set up to develop a commemorative site.

Consultation with the Irish community

The Hydro-Québec–Montréal–Irish task force is currently working on a project to commemorate the Irish who died of typhus in 1847-1848. The partnership will continue in 2018 to ensure that the project is satisfactory to all interested parties.

Consultation with communities

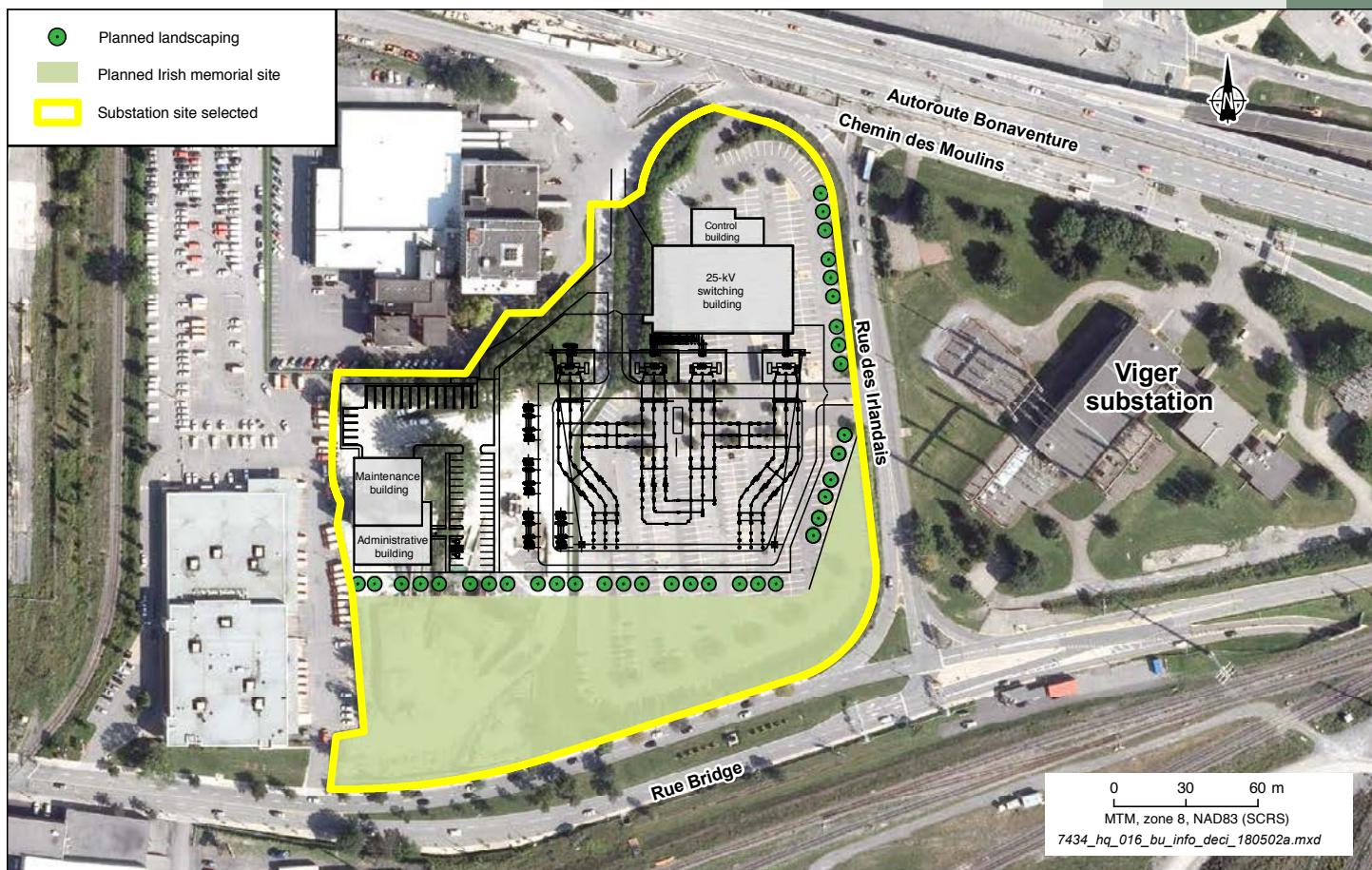
More recently, in winter 2018, information and consultation activities were held to enable the area's residents, elected officials, municipal and governmental organizations, as well as environmental groups, to share their comments. For example, discussions were held with the Pointe-Saint-Charles community consultation committee and the Conseil régional en environnement de Montréal. An open house was also held with Irish community representatives to give residents an opportunity to share their comments. Online consultation was also available.

Description of the solution selected

After various possibilities for substation construction were examined, technical, economic and environmental studies were conducted for three of them. Hydro-Québec used the results from the studies and the opinions expressed to date to improve the project.

The process produced the best solution. This option minimizes the substation's footprint and leaves space for other uses, such as the development of the Irish commemorative site. This option also complies with criteria set by the city to improve the substation's integration in the area.

According to the various visual simulations, the new substation will only be visible from a few places, particularly some very close viewpoints. Hydro-Québec will design landscaping that will help the substation blend in with its environment and the Irish memorial site that will be created in front of it.



Support for community development

Hydro-Québec makes sure that its projects are an opportunity to participate in the development of the host communities through its Integrated Enhancement Program (IEP). Once the work has begun, the company will make funding available to the Sud-Ouest borough equal to 1% of the initially authorized value of the new facilities covered by the IEP. The borough will suggest one or more projects that will benefit the community.

Next steps

In the coming months, Hydro-Québec will continue with detailed engineering and will file an environmental impact statement with the Québec Ministère du Développement durable, de l'Environnement et de la Lutte contre les changements climatiques in order to obtain the required permits to carry out the project. This document will review the entire environmental process leading to the choice of the substation location, including a description of the environment, impact assessment and mitigation measures.

About the construction

Hydro-Québec will be the prime contractor for the construction and will implement measures to reduce such nuisances as noise and heavy vehicle traffic. Surrounding spaces and roads will be protected during the construction and restored after the project is finished. Hydro-Québec will also monitor environmental compliance to make sure that mitigation measures are implemented.

Project schedule

DRAFT-DESIGN

Public consultation	Fall 2017–winter 2017-2018
Information on the solution selected	Spring 2018

PROJECT

Filing of environmental impact statement	Summer 2018
Permitting	Spring 2020
Construction	Summer 2020–spring 2023
Commissioning	Spring 2023

www.hydroquebec.com/des-irlandais

For more information

INFO-PROJECT LINE

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Ce document est également publié en français.

This is a translation of the original French text.

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