

Conversion of the **Beaumont–Dorchester** Underground Line to 315 kV

INFORMATION ON THE SOLUTION PROPOSED • JUNE 2017

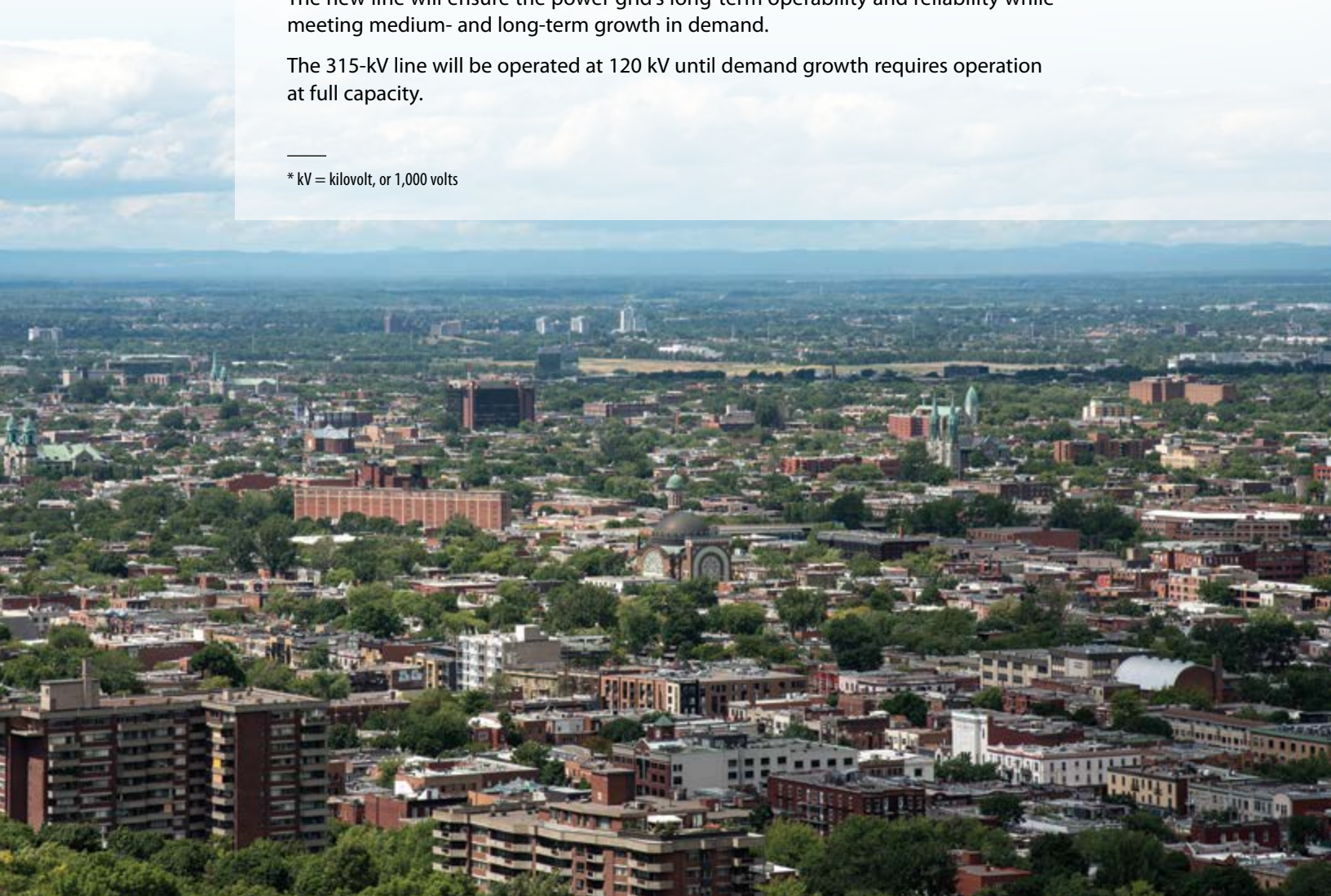
Hydro-Québec is planning to convert the underground line that connects Beaumont substation, in the Villeray–Saint-Michel–Parc-Extension borough, to Dorchester substation in the Ville-Marie borough to 315 kV*. This line, about 6 km long, also travels through Rosemont–La Petite-Patrie, Outremont and Plateau-Mont-Royal. It supplies about 10,000 customers.

The current 120-kV underground line was commissioned in 1964 and has reached the end of its service life. It will be dismantled after the new line is commissioned in 2019.

The new line will ensure the power grid's long-term operability and reliability while meeting medium- and long-term growth in demand.

The 315-kV line will be operated at 120 kV until demand growth requires operation at full capacity.

* kV = kilovolt, or 1,000 volts



Description of work



Work to be carried out

- Converting the underground Beaumont–Dorchester line to 315 kV and building it in a new conduit
- Dismantling the electrical equipment in the existing conduit
- Related work at Beaumont and Dorchester substations

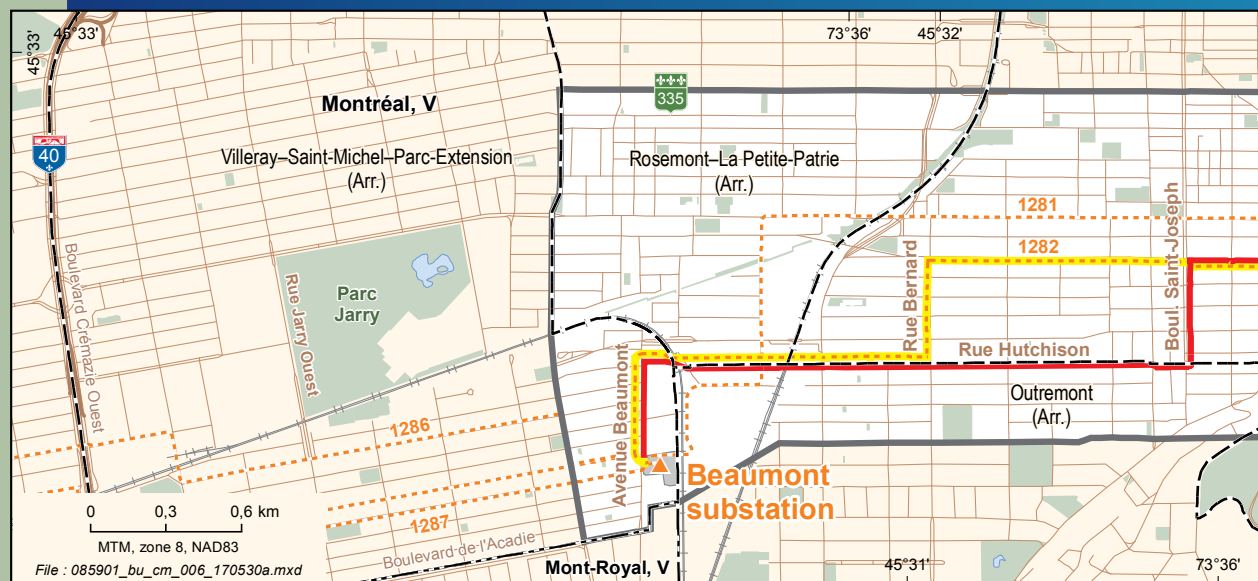
Construction of the 315-kV line

- Excavation of a 1-m-wide trench in the street about 1.5 m from the sidewalk
- Conduit laying and concreting, about 1.5 m deep
- Installation of underground chambers
- Backfilling the trench and road resurfacing
- Pulling cables and backfilling underground chambers

Dismantling of the 120-kV line

- Underground cables and electrical equipment will be removed
- The top part of the underground chambers will be demolished
- Backfilling and resurfacing

Study area





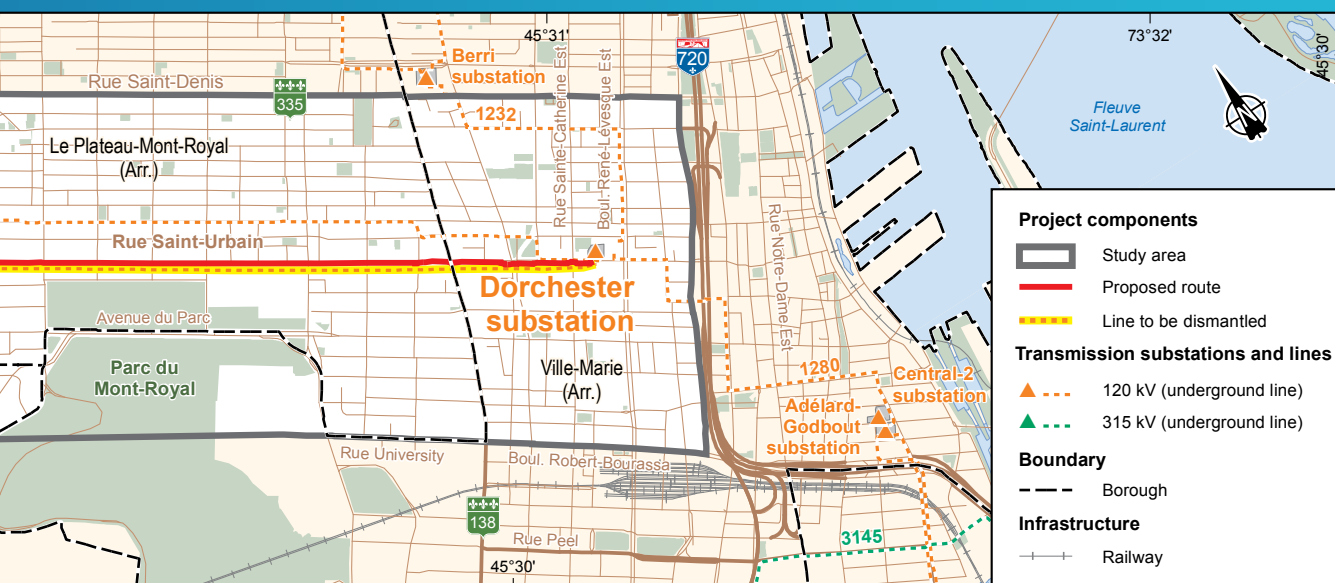
Main mitigation measures

- Site supervision and appropriate fencing to keep pedestrians and cyclists safe.
- Trenches will be closed and backfilled as work progresses.
- Signs will be installed around the jobsite.
- Access to homes and businesses will be maintained at all times.
- Vehicle traffic will be reduced, but maintained at all times.
- Parking spaces will be blocked temporarily, but limited to the jobsite area.
- A telephone number for information will be posted near the jobsite.

Environmental and technical studies

Over the past few months, Hydro-Québec has inventoried the environmental and technical aspects of the study area, which covers 7.8 km². The project team also met with local administrators to learn about their concerns.

In light of the community's recommendations and technical, environmental and social constraints and criteria, Hydro-Québec is proposing the following route, which has the least impact: From Beaumont substation, the line will follow Rue Beaumont, then go south on Hutchison to Rue Saint-Joseph, where it will turn east to Rue Saint-Urbain. From there, the line will continue south to Dorchester substation, near Boulevard René-Lévesque.





BEAUMONT SUBSTATION

Public participation

Hydro-Québec has a project Web site that is available to the public. An interactive page will enable anyone concerned by or interested in the project to ask questions or share their concerns.

Residents are encouraged to consult the Web site and to contact the Advisor – Community Relations as needed.

An Info-project phone line is also available Monday to Friday, 8:30 a.m. to 5 p.m.

Project schedule

General information	Fall – winter 2016
Information on the proposed solution	Spring – summer 2017
Filing of impact statement and application for government approvals	2018
Construction	2019
Commissioning	2019

OPEN HOUSE

The public is invited to an open house on **June 21 from 3 p.m. to 9 p.m. at 4251 Rue Saint-Urbain**, to meet our specialists, who will respond to questions or concerns about this project.

For more information

Info-project line

514 385-8888, extension 3462

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Ce document est également publié en français.
This is a translation of the original French text.