



INFORMATION ON THE SELECTED SOLUTION

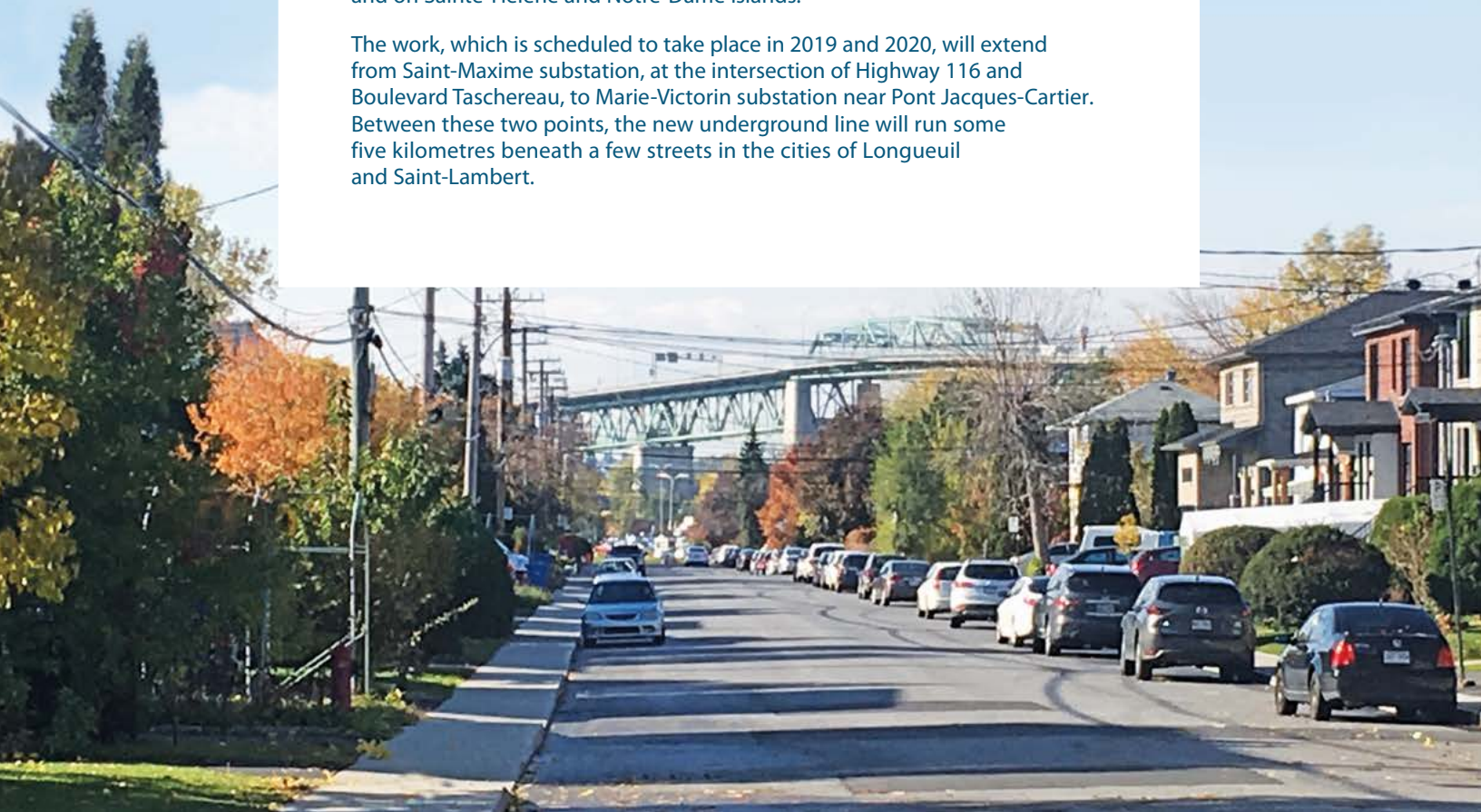
Winter 2018-2019

Reconstruction of the 120-kV Underground Saint-Maxime– Marie-Victorin Line

Commissioned in 1967, the 120-kV underground line between Saint-Maxime and Marie-Victorin substations has now reached the end of its service life. Hydro-Québec must thus rebuild it to ensure the long-term operability of its power grid.

This project will complete the reconstruction of the underground line, which began in 2007, and will ensure the long-term reliability of electricity service for approximately 12,500 customers in the Longueuil terminal, Université de Sherbrooke and Longueuil city centre sectors, and on Sainte-Hélène and Notre-Dame islands.

The work, which is scheduled to take place in 2019 and 2020, will extend from Saint-Maxime substation, at the intersection of Highway 116 and Boulevard Taschereau, to Marie-Victorin substation near Pont Jacques-Cartier. Between these two points, the new underground line will run some five kilometres beneath a few streets in the cities of Longueuil and Saint-Lambert.



Technical and environmental studies

Over the past few months, Hydro-Québec has conducted a detailed inventory of the study area's characteristics. To ensure the best possible integration of the equipment into the host environment, the project team met with local representatives to hear their concerns and take note of their future plans.

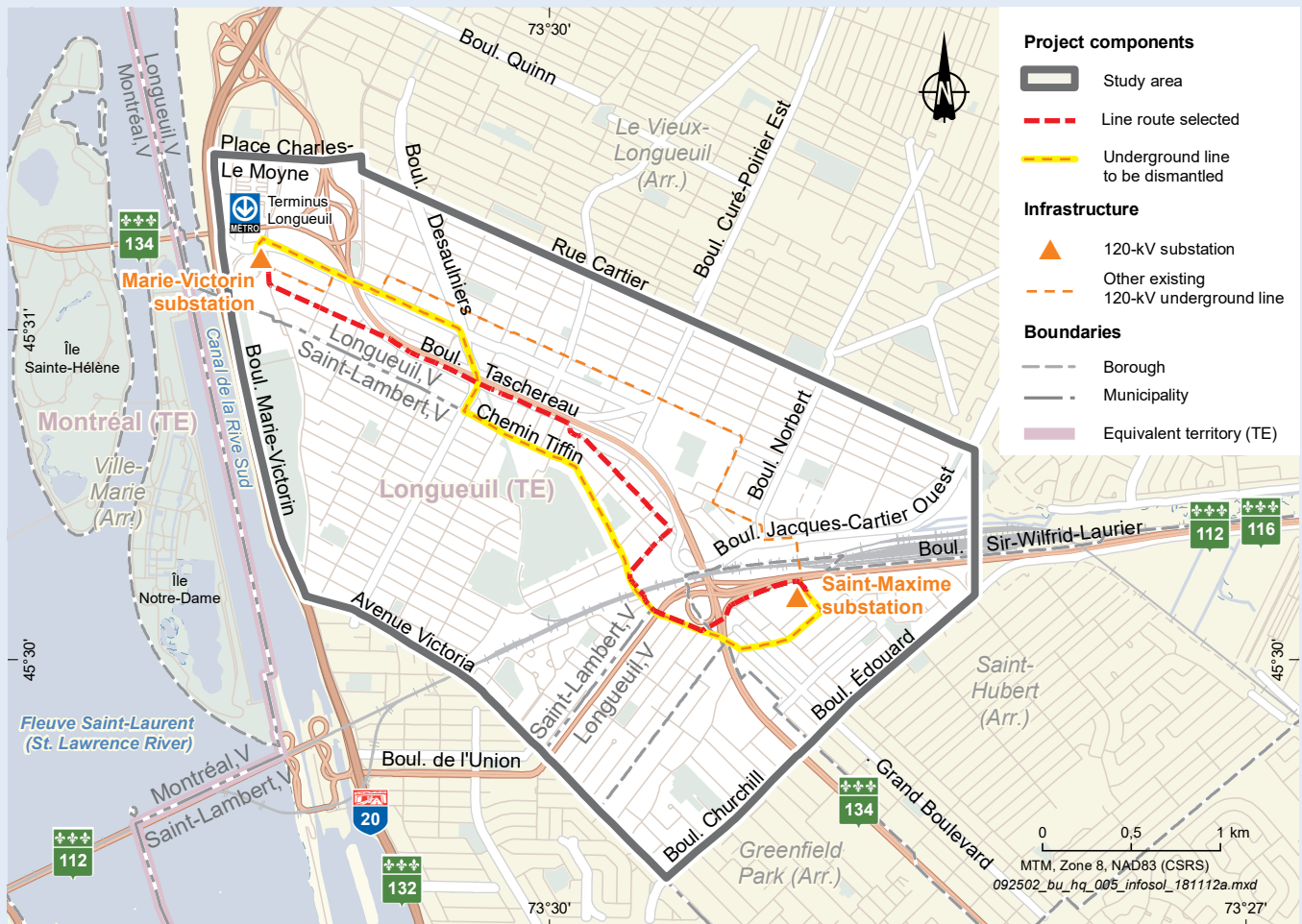
Selected line route

After several variants were carefully evaluated, the most favorable line route was selected for the following reasons:

- Minimizes nuisances for residents, students and motorists.
- Limits impacts on users of public transit and bicycle paths.
- Avoids recently repaved streets.
- Is more cost-effective and has a shorter completion time.

Description of line route

The 4.67-km line route leaves Saint-Maxime substation and follows the Highway 116 onramp before turning west on Rue Saint-Georges, and then northeast on Rue Saint-Gérald. It then runs along Avenue des Pins until it joins Boulevard Taschereau via Rue Jean-Bariteau. The last section of the route follows Rue Rouville as far as Rue Saint-Charles Ouest and Marie-Victorin substation.



Description of work

Construction of the 120-kV underground line

- Excavation of a 1-m-wide trench in the street, approximately 900 m at a time.
- Installation and concreting of ducts at a depth of approximately 1.5 m.
- Installation of splice vaults.
- Backfilling of the trench and restoration of affected areas.
- Cable pulling and backfilling of splice vaults.

Dismantling of the existing line

- Removal of underground cables and electrical equipment.
- Clearing and demolition of the upper parts of the splice vaults.
- Backfilling and restoration of affected areas.

Related work

Related work will be carried out at both Saint-Maxime and Marie-Victorin substations.

Main mitigation measures

- The jobsite will be monitored and fences will be installed to ensure the safety of pedestrians and cyclists.
- Trenches will be closed and backfilled as work progresses.
- Signs will be installed around the jobsite.
- Residences, businesses and parking areas will remain accessible at all times.
- Vehicle traffic will be maintained at all times.
- A telephone number for information will be posted near the jobsite.
- Work hours will take into account municipal regulations and issues of concern to the community, such as noise.



Public participation

Residents and local representatives will be informed of the start date and progress of the work.

Hydro-Québec has a project Web site that is available to the public, where all interested parties can ask questions or express their concerns.

We encourage residents to consult the Web site and to contact the project's Advisor – Community Relations as needed.

Project schedule

Information on the selected solution

Winter 2018–2019

Construction of the new line

Spring–summer 2019

Commissioning

Fall 2019

Dismantling of the existing line

2020

For more information

INFO-PROJECT line

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hydro.quebec/saint-maxime-marie-victorin

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Ce document est également publié en français.