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## Changes and additions to the power distribution system as part of the project to build the new Adamsville substation

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### Nature of the project

A new 120/25-kV transformer substation and a 120-kV supply line originating from Cleveland substation in Granby will be built in Bromont to meet the region's growing electricity needs.

Construction of the substation began in May 2015 and will continue until its commissioning in fall 2016. As for the new transmission line, its construction will begin in fall 2015. Information specific to this transmission line will be disseminated before the start of construction.

To bring the electricity to customers, several sections of the distribution system will be modified and others will be added, both overhead and underground.

### Description of the work required on the distribution system

(see the map on the next page)

#### Boulevard de l'Innovation

- Build 1.5 km of overhead system between the new Adamsville substation and Rue Unifix

#### Chemin Compton, Chemin Racine and Chemin de Montréal

- Replace poles and conductors on about 9.7 km to install a new three-phase system (three wires)
- Add two new overhead-underground junctions on either side of Route Pierre-Laporte to connect the new underground segment to the existing overhead system

#### Route Pierre-Laporte and Boulevard de Montréal

- Install new underground conduits in the public right-of-way
- Add five overhead-underground junctions at the intersections of Chemin de Granby, Boulevard de Montréal and Boulevard de l'Aéroport
- Build 150 m of overhead system at Rue Shefford
- Replace poles and conductors over about 3.3 km in the section of the system between Rue Shefford and Chemin de Magog

#### Chemin de Magog and Chemin de Gaspé

- Replace existing system by a new three-phase system (three wires) accessible from the road (see sections in yellow on the map)
- Build about 1 km of new overhead system to connect the system along Chemin de Magog to the one along Chemin de Gaspé (see section in red on the map)

#### Rue de Soulanges

- Replace poles and conductors

## Schedule

Plans are being drawn up for all upcoming work.

Stantec, the firm mandated for this phase, will make several site visits to prepare the plans.

The work will be carried out in 2015 and 2016, by line segment.

Hydro-Québec's distribution system is generally located in the public right-of-way. Should any equipment need to be installed on private property, we will contact the owners and begin the process for obtaining the required easements.

## Logistics

The work on the **overhead system** includes:

- Vegetation control work where necessary near the system
- Installing wooden poles
- Adding or replacing conductors
- Installing related electrical equipment on the poles, including insulators, transformers, switches and circuit breakers

The work on the **underground system** includes:

- Excavating, backfilling and concreting the public right-of-way

- Installing an underground conduit
- Building cable vaults (manholes)
- Installing culverts and building access roads
- Building overhead-underground junctions (connections between the new underground system and existing overhead systems)
- Installing electrical cables in the new underground conduits
- Restoring sites
- Repaving the streets

The work may also partially block traffic in certain locations, and temporary road signs will be set up.

In addition, some brief service interruptions will be required. Hydro-Québec will notify all affected customers prior to any interruptions.

## Environmental protection

Hydro-Québec's environment advisors assess every project to change or expand the distribution system. They document the sensitive elements in the area and determine the appropriate mitigation measures.

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## For information

[www.hydroquebec.com/transmission-construction-projects/adamsville-substation/](http://www.hydroquebec.com/transmission-construction-projects/adamsville-substation/)

**Info-project line:**

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