

Projet de construction du poste Saint-Jean
à 315-25 kV et d'une ligne d'alimentation à 315 kV
à Dollard-Des Ormeaux

6211-09-067



Presentation overview

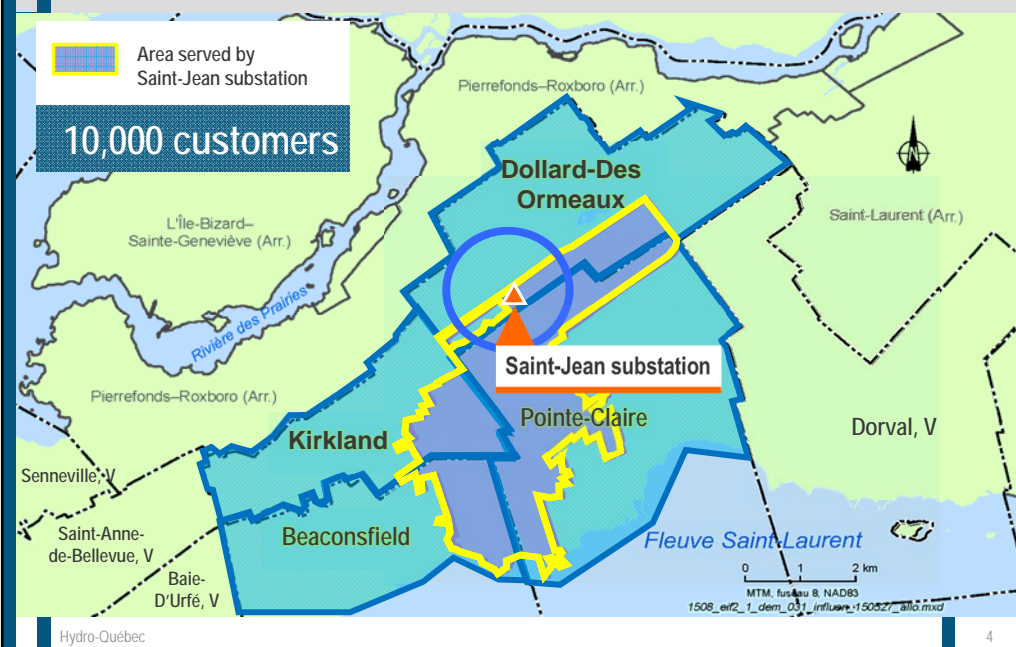
1. Project rationale
2. Scenarios studied
3. Project selected
4. Public participation process
5. Impacts and mitigation measures
6. Cost and main steps



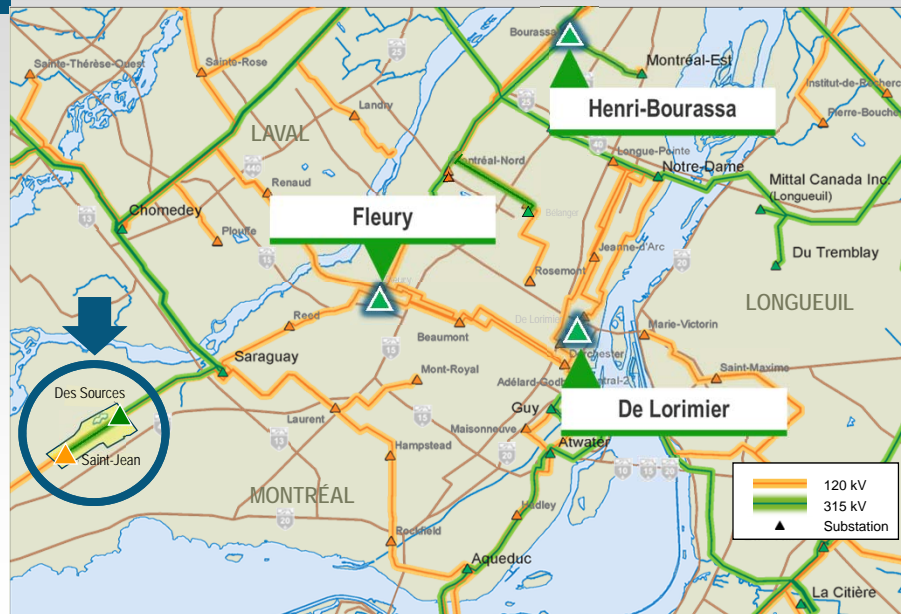
Project location



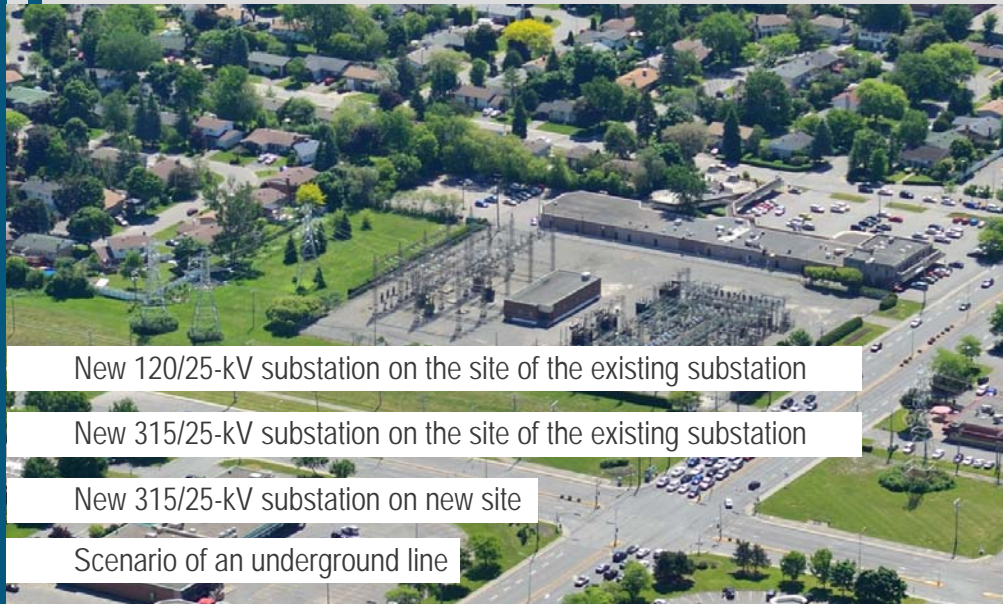
Project rationale



Transmission system upgrade for the island of Montréal



Other scenarios studied



New 120/25-kV substation on the site of the existing substation

New 315/25-kV substation on the site of the existing substation

New 315/25-kV substation on new site

Scenario of an underground line

Project selected



The substation



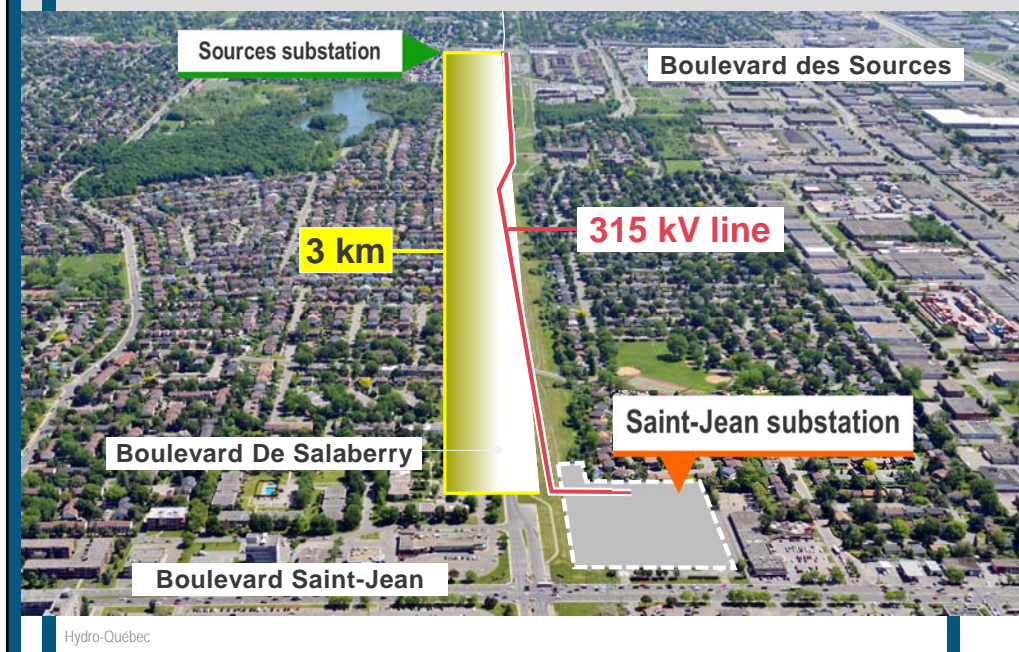
The substation



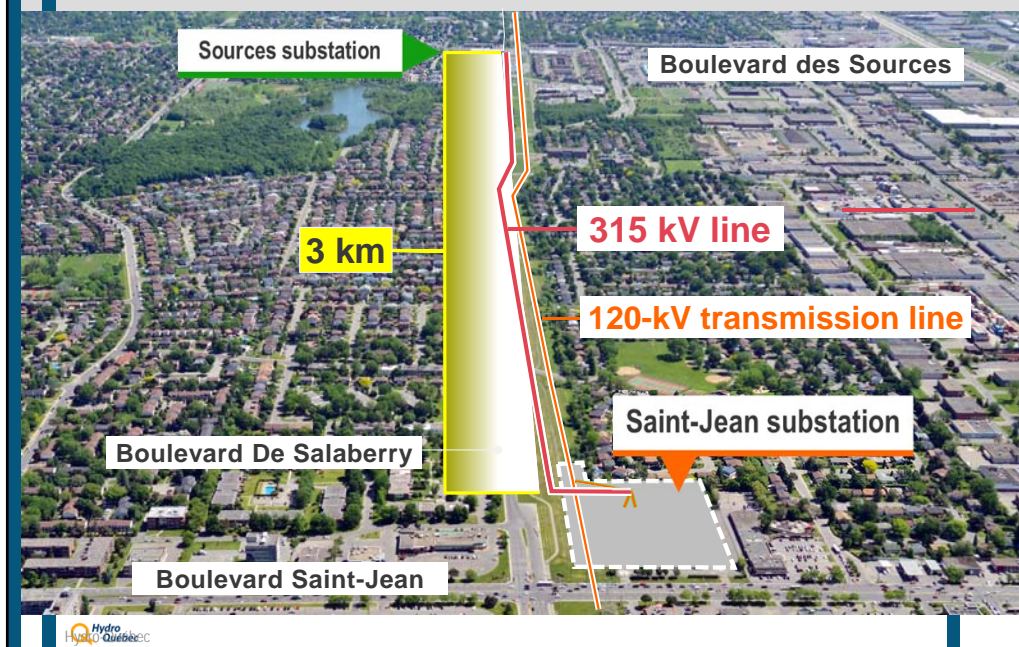
The substation



The 315-kV line



The 315-kV line



The towers

- 11 towers
- Reduced footprint
- Mean height of 52 metres



Simulation

Hydro-Québec

Goals of the public participation process



Explain the project

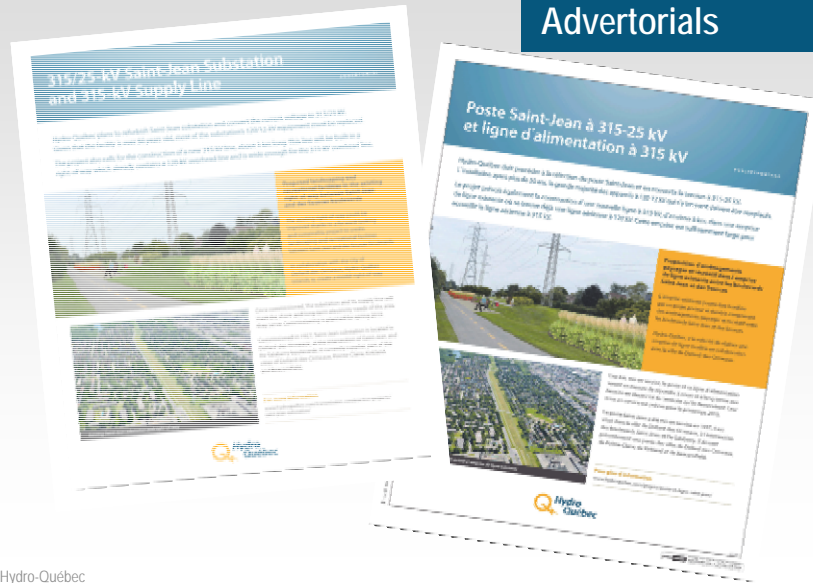
Meet information needs

Consult with the community's residents and organizations

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Information and consultation activities

Advertorials



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Concerns expressed

- Underground line
- Property values
- Magnetic fields
- Noise



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Impacts and mitigation measures



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Project optimization



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Project cost

Substation: \$76M ►

Transmission
line: \$14M ►

Total:
\$90M



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Schedule (planned)

Authorizations process

Summer 2015 to fall 2016

Construction of the line

Spring to fall 2017

Construction of the substation

Spring 2017 to fall 2018

**Commissioning of the
substation and line**

Spring 2019

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Integrated enhancement program

- 1% of the value of the eligible equipment
- Projects that encourage community enhancement



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Conclusion

- Necessary project
- Strikes a balance between the three pillars of sustainability
- Several optimizations undertaken





THANK YOU!

www.hydroquebec.com/projets/poste-et-ligne-saint-jean/
www.hydroquebec.com/transmission-construction-projects/saint-jean-substation/

