

# St. Albert Villeneuve Solar Connection Project

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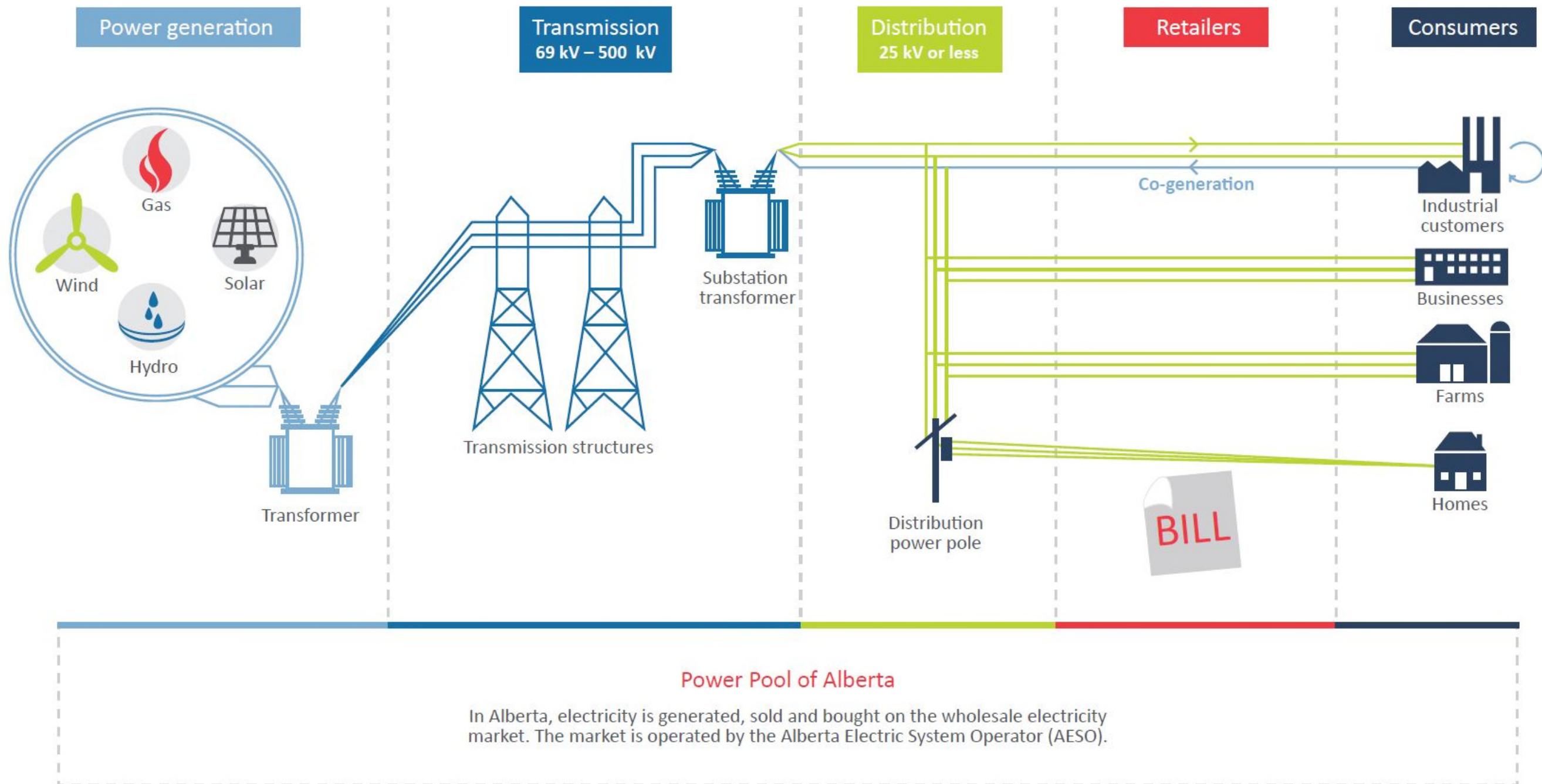


# AltaLink is Alberta's largest electricity transmission provider

- 100% focused on energy solutions
- More than 13,000 km of lines and 300 substations
- Backbone of Alberta's electricity grid
- Serving 85% of Albertans



# The flow of power in Alberta



# Key Industry Players

## Alberta Electric System Operator (AESO)

Independent, not-for-profit system planner

## Alberta Utilities Commission (AUC)

Independent regulatory body

## Transmission Facilities Owner (TFO)

Own and operate transmission facilities

## Distribution Facilities Owner (DFO)

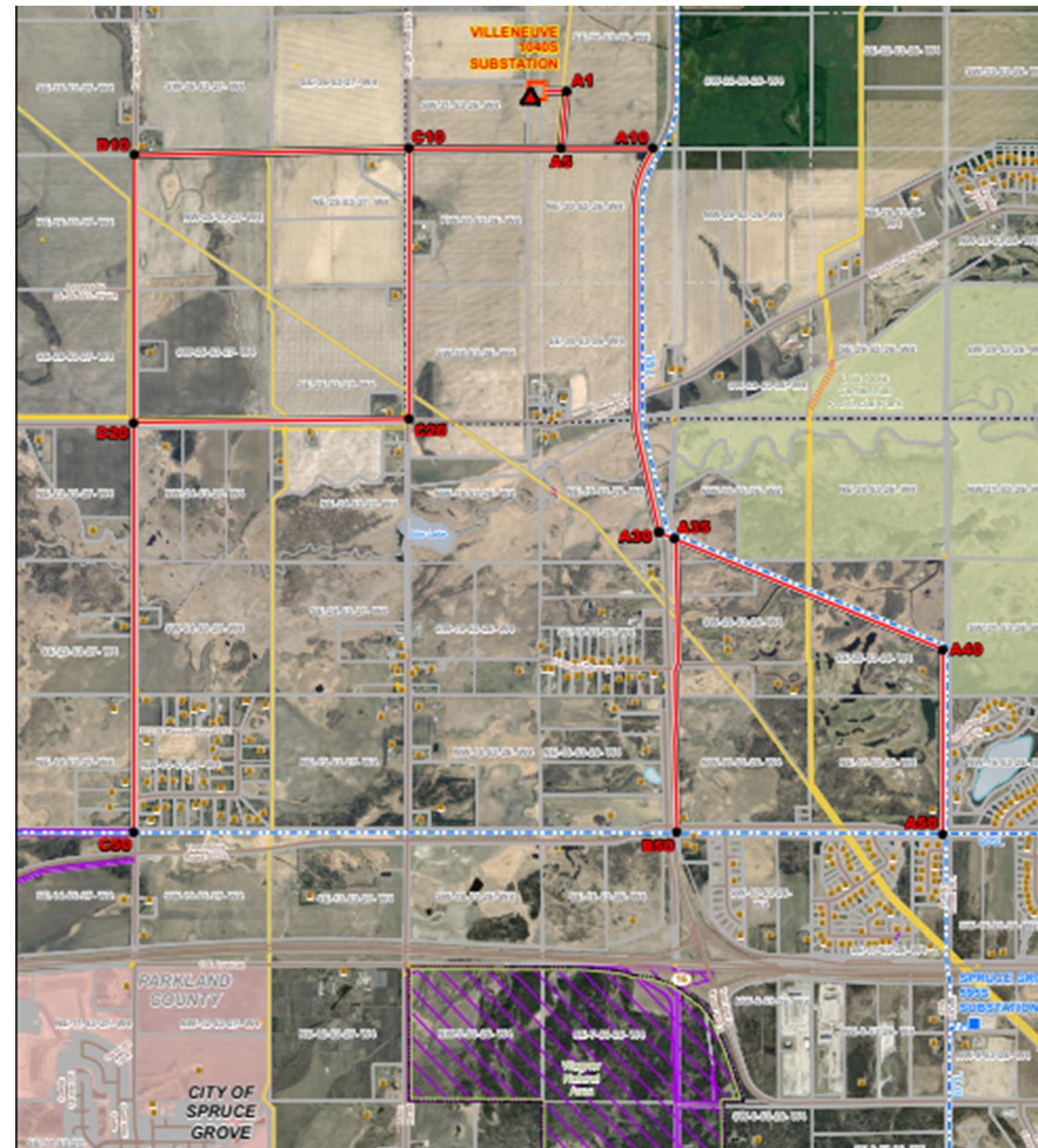
Own and operate distribution facilities

Fortis/REA

## St. Albert Villeneuve Solar Connection Project – Project Overview

- The purpose of the project is to connect St. Albert Solar STL Inc's (St. Albert Solar) solar project to the electricity grid. The solar project is located partially within Parkland County and Sturgeon County.
- To achieve this connection, AltaLink is proposing to:
  - construct between 5 to 7 kilometres of new 240 kilovolt (kV) transmission line; and
  - Install a new telecommunications tower located with the St. Albert Solar proposed Villeneuve 1040S Substation.
- The new transmission line will run between St. Albert Solar's proposed Villeneuve Substation (located in Sturgeon County) and AltaLink's existing 905L transmission line (located in Parkland County).

# St. Albert Villeneuve Solar Connection Project – Project Overview



## Proposed Transmission Line Structures

- The proposed structures will be:
  - Primarily monopole structures and H-Frame structures;
  - Made of wood or steel; and
  - Between 25 to 45 metres tall.
- Structures could be located on private land, within road allowance or a combination of both.
- Specialized structures may be required at some locations and may be taller than heights listed.



*Monopole Structure*



*H-Frame Structure*

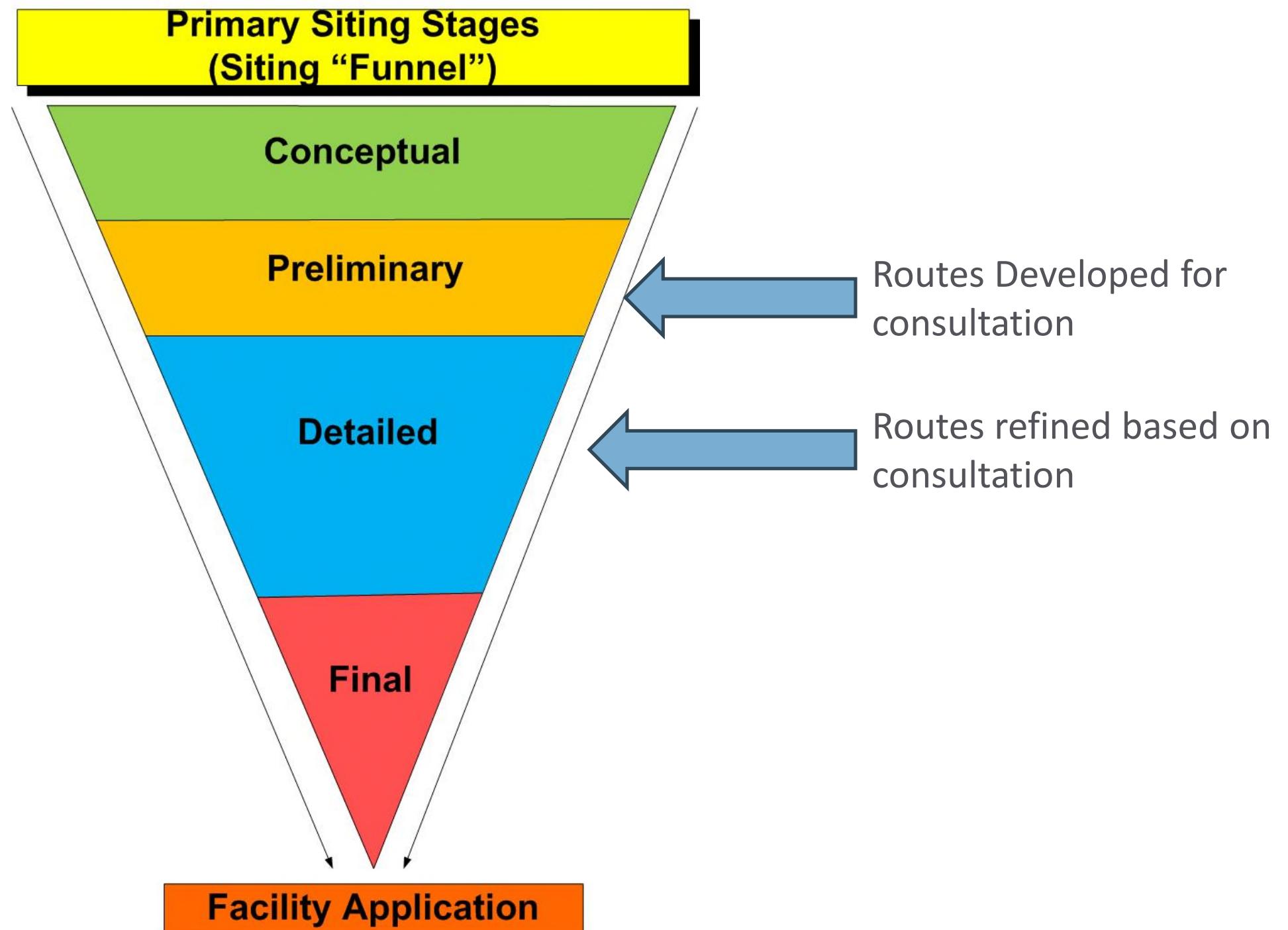
## Proposed Telecommunication Tower



The proposed telecommunication tower will be:

- Self supporting steel structure with triangular base;
- Located at the proposed Villeneuve 1040S Substation in Sturgeon County; and
- Approximately 40 metres in height.

# Siting Process



## Identifying Route Options

- Factors used to identify and refine route options include:
  - Agricultural
  - Residential
  - Environmental
  - Existing infrastructure (ie. oil and gas infrastructure, irrigation, etc.)
  - Other considerations (ie. shelterbelts, airports, etc.)

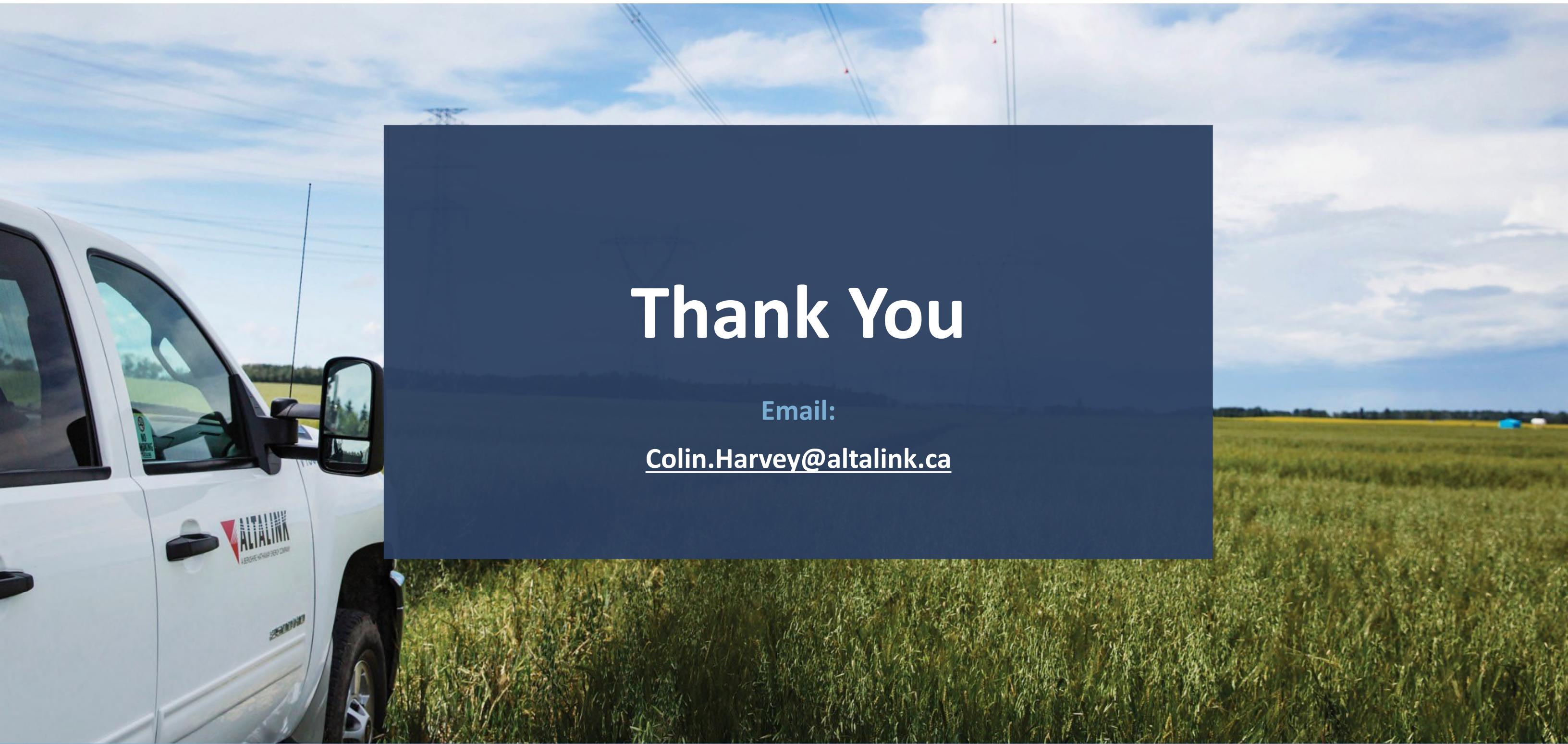
## Who do we talk to?

- Affected Landowners
- First Nations
- Industry stakeholders (O & G, telecommunications, etc.)
- Environmental organizations
- Local and provincial governments (elected officials and planning departments, other departments as required)

## Project Schedule

<b>Notify and Consult with Stakeholder</b>	<b>November 2025 to October 2026</b>
<b>File Facility Application with AUC</b>	<b>November 2026</b>
<b>Start Construction if Approved</b>	<b>March 2028</b>
<b>Construction Completion</b>	<b>September 2028</b>

Joint Public Event: Thursday, February 5<sup>th</sup> from 4-7 p.m. @ Parkland Village Community Centre



Sustainable  
Electricity  
Leader  Chef de file en  
matière d'électricité  
durable