

Provost Edgerton Nilrem Vermillion Project (PENV)

COUNTY OF VERMILLION RIVER

OCTOBER 22, 2019

JOHN GROVE

MEGAN DOROSZ



AltaLink at a Glance

- 100% focused on energy solutions
- more than 13,800 km of lines
- more than 317 substations
- Backbone of Alberta's electricity grid
- Serving 85% of Albertans
- Owned by Berkshire Hathaway Energy





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

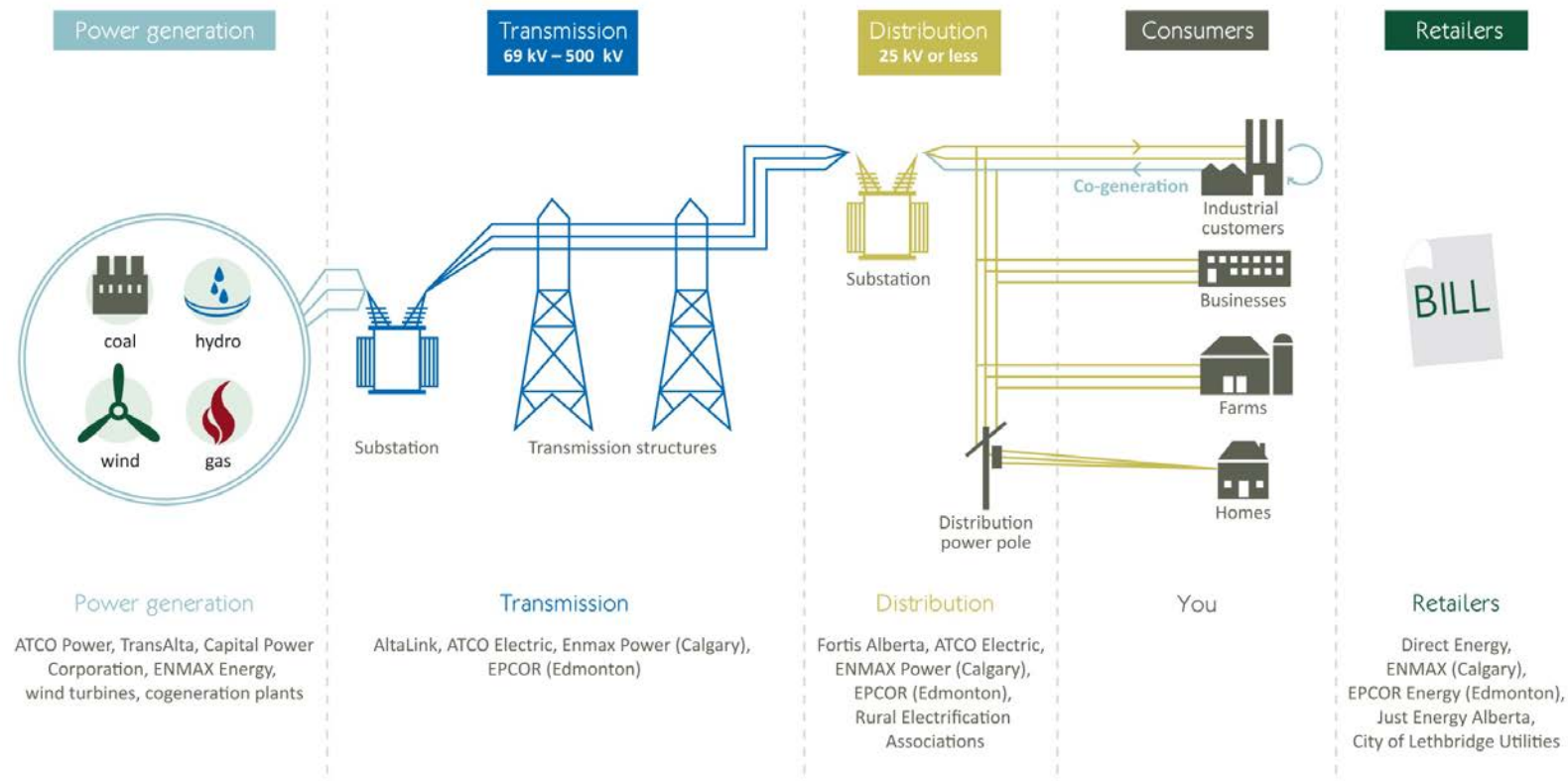
Distribution Facilities Owner (DFO)

Own and operate distribution facilities
Fortis/REA

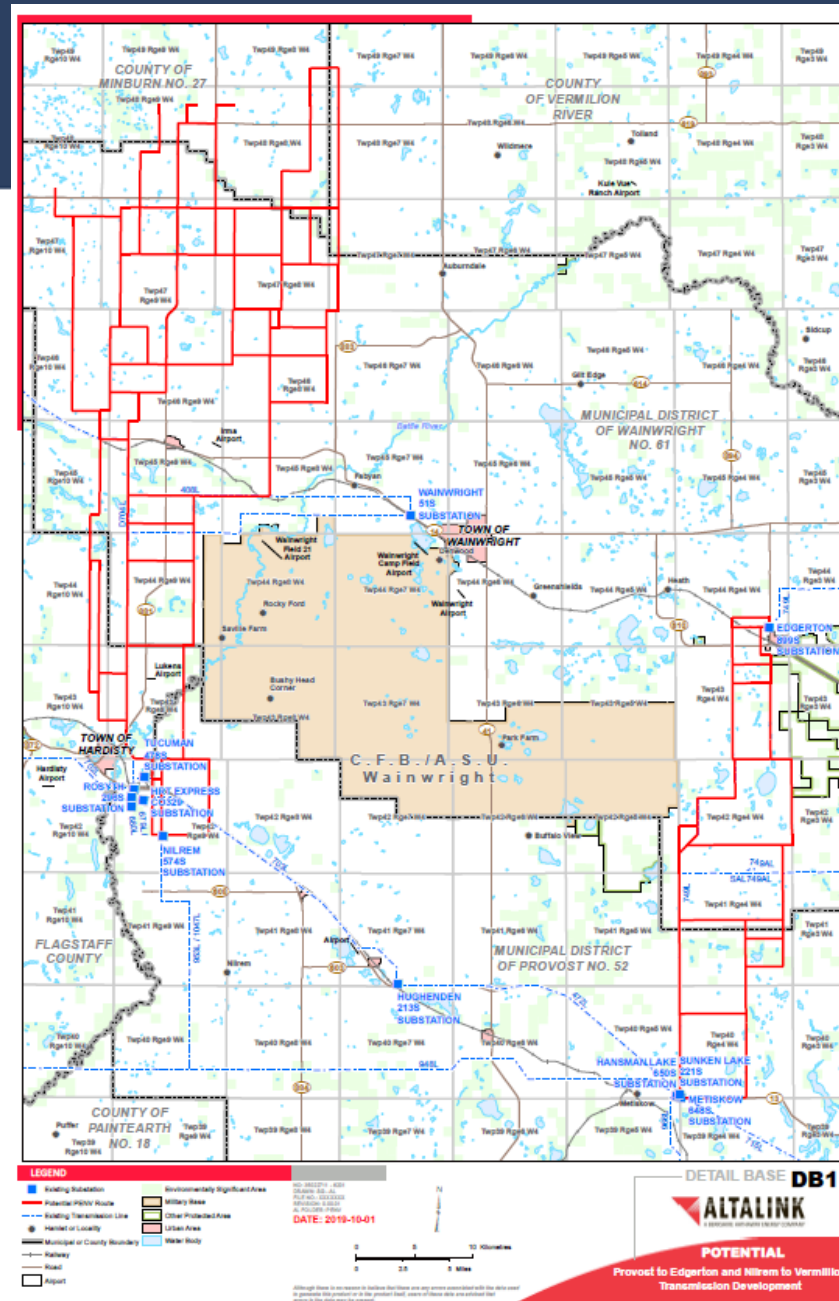
Our Customers

- Industry is more than 61%
 - Large industrial plants
 - Smaller local industrial businesses
- Commercial is 18%
- Residential is 13%
- Farms and Ranches is 3%
- Line losses 5%

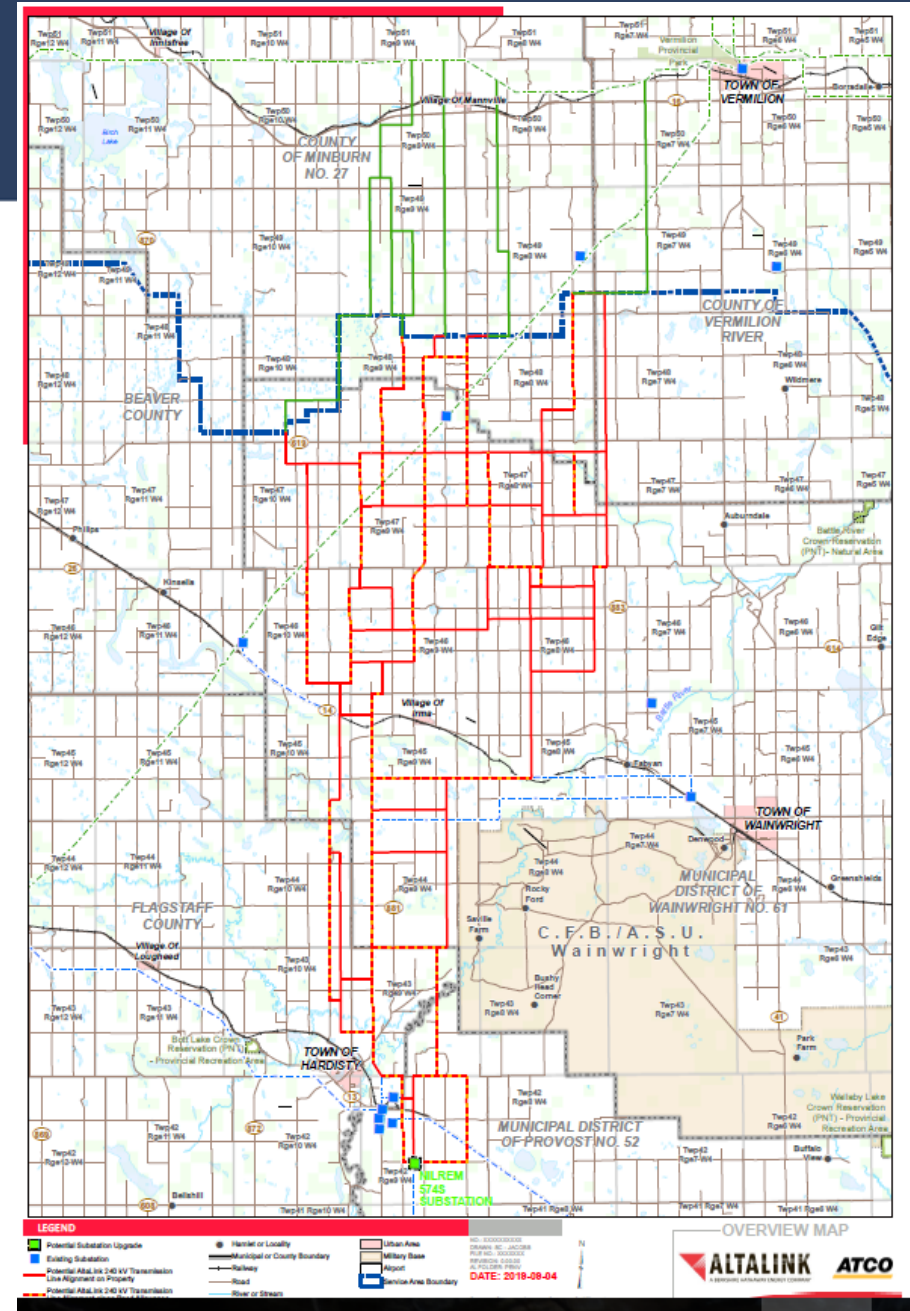
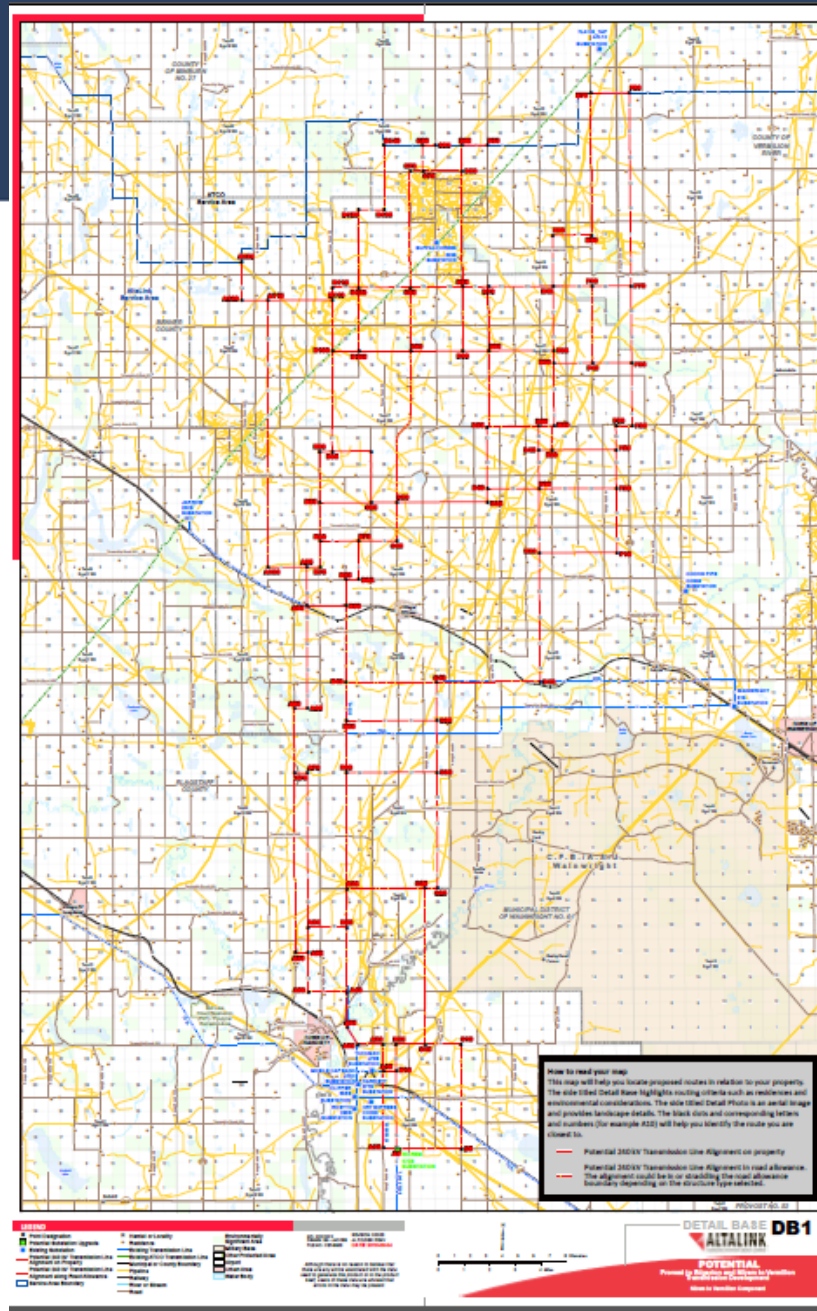
Alberta's Electric Infrastructure



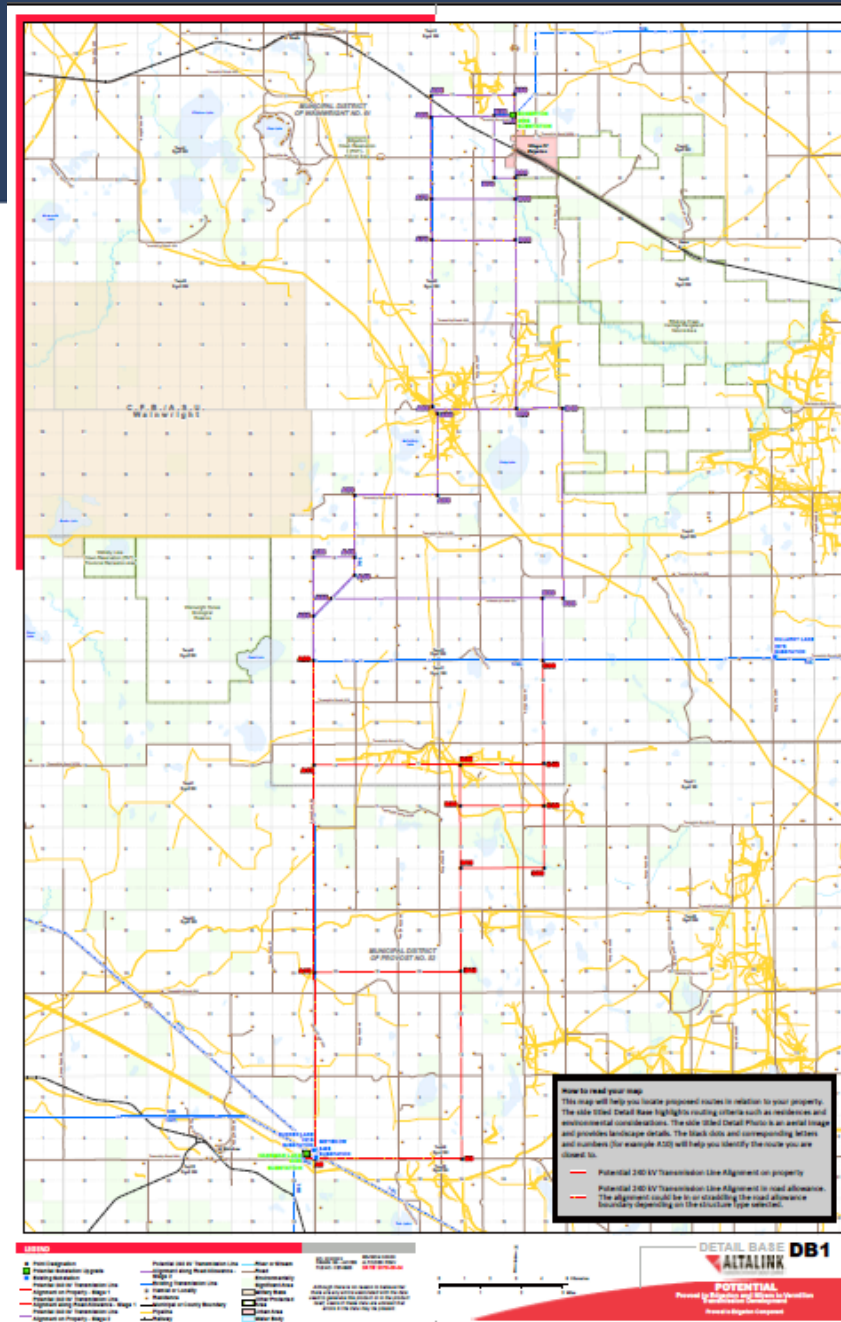
Project Overview



Nilrem to Vermillion NV



Provost to Edgerton PE



Structure Types

SINGLE CIRCUIT MONOPOLE



Structure height

25-35 m

Right-of-way width

When on private property: 20-22 m
When in road allowance: 11-12 m
from the edge of the road allowance

Distance between structures

120-200 m

Can be placed in road allowance*

Yes

Can be placed on private property

Yes

SINGLE CIRCUIT H-FRAME



Structure height

25-35 m

Right-of-way width

When on private property: 34 m
When straddling the road
allowance edge: 17-20 m

Distance between structures

180-275 m

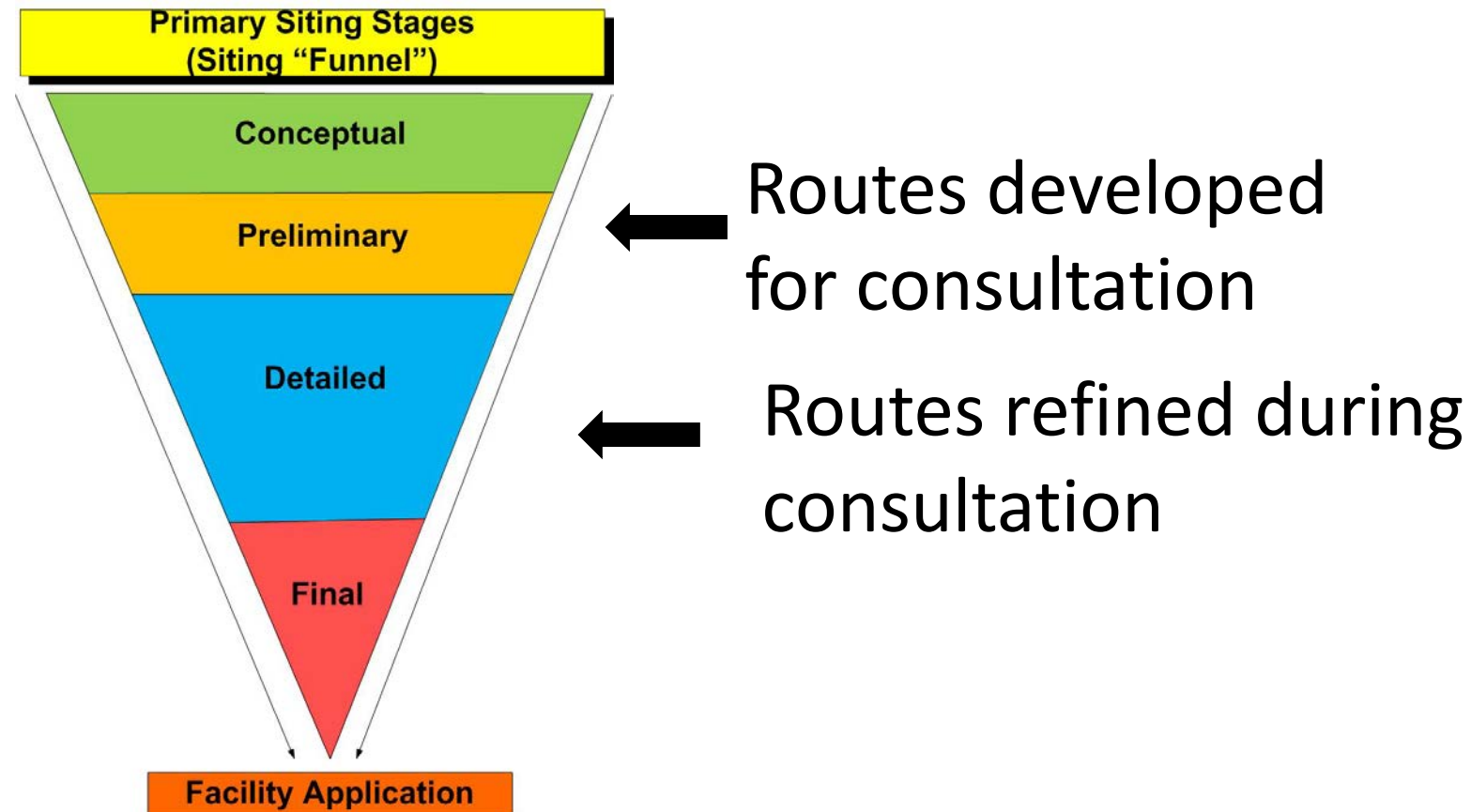
Can be placed in road allowance*

Yes, partially

Can be placed on private property

Yes

Siting and Consultation Process





Who we talk to

- Affected landowners
- First Nations
- Stakeholder groups
- Environmental groups
- Local and provincial government (elected officials and planning departments)
- Economic development agencies



How we identify routes

Factors used to generate preliminary route options include:

- Agricultural areas
- High residential density
- Environmental areas
- Existing infrastructure - irrigation systems, gas wells
- Future interconnections to other transmission developments
- Cost

Public Events

Please join AltaLink and the AESO at:

| | | | |
|-------------------------------------------|---------------------|--------------------|-----------------------------------------------------------------------|
| Wednesday October 23, 2019 | Edgerton, Ab | 5 to 8 p.m. | Edgerton Agricultural Hall 4915 50 Street Edgerton |
| Thursday October 24, 2019 | MD of Wainwright | 5 to 8 p.m. | Albert Community Hall Rge. Rd 91 south of Twp. Rd 480 |

Project Schedule

- Notify and consult with stakeholders: September 2019 to May 2020
- File application with the AUC: June 2020
- Start construction if project is approved: July 2021
- Anticipated construction completion: June 2022

Thank You

Contact information

website: www.altalink.ca/projects

toll-free: 1-877-269-1453

email: john.grove@altalink.ca