



WELCOME

ALTALINK

OPEN HOUSE

CENTRAL EAST

TRANSFER-OUT PROJECT

We have started to develop the Central East Transfer-Out Project and we want your input.



Who is AltaLink?

Our transmission lines transport the power you use every day.

AltaLink's transmission system efficiently delivers electricity to 85 per cent of Albertans. Dedicated to meeting the growing need for electricity, AltaLink connects Albertans to renewable, reliable and low-cost power.

With a commitment to community and environment, AltaLink is ensuring the transmission system will support Albertans' quality of life for years to come.

Learn more at www.altalink.ca



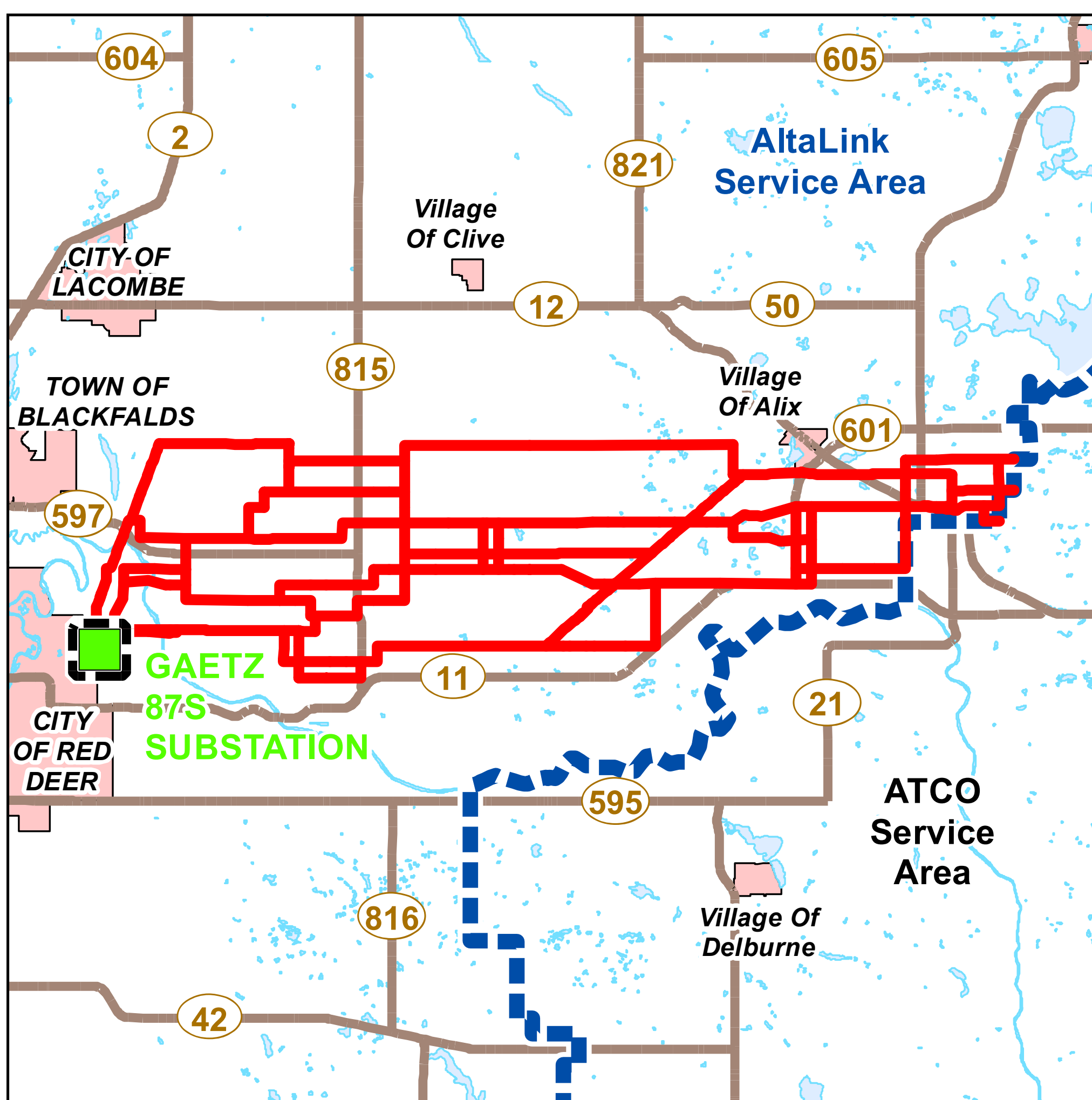
Project details

AltaLink's portion of the Central East Transfer-Out Project is located in the counties of Red Deer, Lacombe and Stettler.

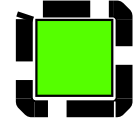





If approved, the project includes:

- Approximately 55-60 kilometres of new 240 kilovolt (kV) transmission line connecting the Gaetz Substation, located east of the City of Red Deer, to a new ATCO Electric line, located southeast of the Village of Alix
- Installing new equipment at the Gaetz Substation and acquiring additional land south of the substation property

The red lines in the map represent several potential route options.



LEGEND

	Potential Upgrade to Existing Substation		Road
	Potential Transmission Line Route		Urban Area
	Service Area Boundary		Water Body

A staged approach

This project is proposed to be staged to align with renewable generation milestones in the area so that additional transmission capacity is built as renewable generation targets are met. These targets are anticipated to occur by 2023 and then again by 2027-2029.

This staged approach means there are three potential options for meeting the need for this project:

OPTION	FIRST STAGE (BY 2023)	SECOND STAGE (BY 2027-2029)
One double circuit transmission line	One line built with only one side of the structure strung with one circuit	The second circuit will be strung on the other side of the same structure
Two single circuit transmission lines – parallel alignments	One line built	The second line will be built along an alignment parallel to the first line
Two single circuit transmission lines – different alignments	One line built	The second line will be built along a different alignment

Structure types

AltaLink is considering multiple types of structures for the same routes and we want your feedback.

Notes about structure types:

- Single circuit structures could be built parallel to each other (twinning) or separated along different alignments.
- All dimensions are approximate and subject to change with further detailed engineering. For example, most of the structures do not require guy wires; however, a structure at an angle or corner may need a guy wire.
- Structures that can be placed in road allowance may be completely within road allowance or straddling the road allowance boundary, depending on the specific location and circumstances.
- We don't anticipate switching between different types of structures along an alignment, unless required due to site-specific considerations.

Structure types

Single Circuit Monopole



Structure height	25-35 m
Right-of-way width:	
• When in road allowance (from the edge of the road allowance)	13 m
• On private property	22 m
Distance between structures	120-200 m
Can be placed in road allowance*	Yes
Can be placed on private property	Yes

Double Circuit Monopole



Structure height	30-40 m
Right-of-way width:	
• When in road allowance (from the edge of the road allowance)	13 m
• On private property	24 m
Distance between structures	150-250 m
Can be placed in road allowance*	Yes
Can be placed on private property	Yes

Single Circuit H-Frame



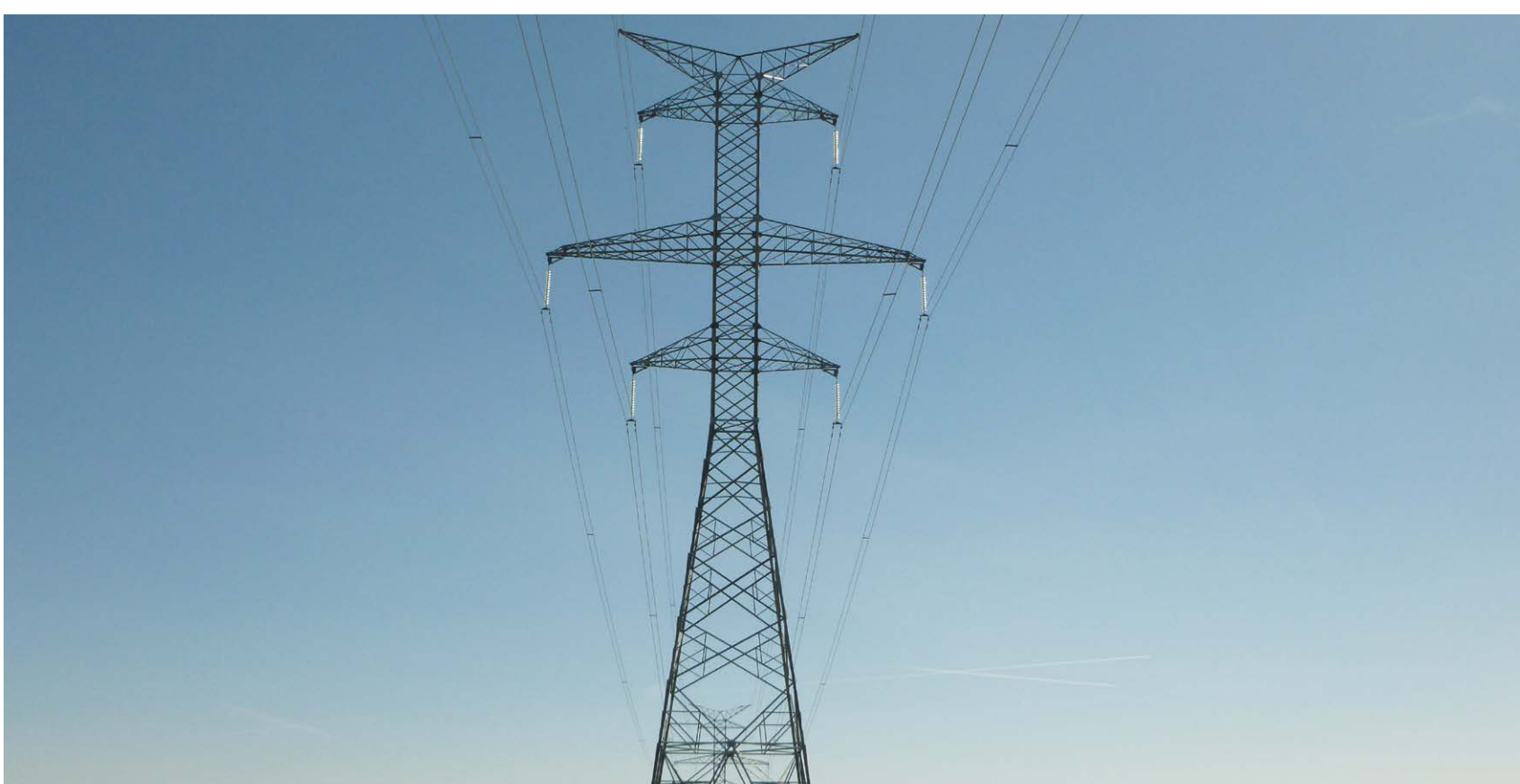
Structure height	25-35 m
Right-of-way width:	
• When straddling the road allowance edge	21-25 m
• On private property	35 m
Distance between structures	180-275 m
Can be placed in road allowance*	Yes
Can be placed on private property	Yes

Double Circuit H-Frame



Structure height	30-32 m
Right-of-way width:	
• When straddling the road allowance edge	21-25 m
• On private property	30-35 m
Distance between structures	200-300 m
Can be placed in road allowance*	Yes
Can be placed on private property	Yes

Double Circuit Lattice



Structure height	44-50 m
Right-of-way width	30-40 m
Distance between structures	250-350 m
Can be placed in road allowance*	No
Can be placed on private property	Yes

Route selection

AltaLink takes several factors into consideration in an effort to find a route with low overall environmental, social and economic effects.

In addition to stakeholder input we also consider agricultural, residential, environmental and visual impacts, as well as cost.

AltaLink has identified multiple potential route options for the project which take these impacts into consideration. Please let us know what other factors are important to you so we can consider them when refining route options.



Substation requirements

The proposed transmission line connects to the existing Gaetz Substation, located in Red Deer County, just east of the City of Red Deer.

As part of this development we will need to install four new circuit breakers and supporting equipment at the substation. Two will be added during the first stage of the development and two will be added during the second stage.

No expansion of the fence line is required, but we do need to acquire approximately 250 m x 50 m of additional land south of the existing substation property.



Existing Gaetz Substation



A typical 240 kV circuit breaker

Anticipated project schedule

Notify and consult with stakeholders

January to October 2019

File application with the Alberta Utilities Commission

Fall/Winter 2019

Start construction if project is approved

Winter 2021

Complete construction

2023 (first circuit); 2027-2029 (second circuit)

Although we attempt to follow the anticipated project schedule, it is subject to change. We will continue to provide you with updated schedule information if required as the project progresses.

Environment

An Environmental Evaluation identifies environmental features within the project area through existing data and field surveys.

Additional information is gathered from consultation with provincial and federal regulators, landowners and the public.

This information is used to assist in route development. Potential effects from project impacts are identified, so that mitigations can be developed to minimize or eliminate these effects.

Information within the Environmental Evaluation typically includes:

- wildlife and vegetation inventories
 - wetland, watercourse and groundwater assessments
 - threatened and endangered species identification
 - terrain and soil evaluations
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EMF

AltaLink recognizes that people have concerns about exposure to Electric and Magnetic Fields (EMF) and we take those concerns very seriously.

Everyone in our society is exposed to EMF from many sources, including:

- power lines and other electrical facilities
- electrical appliances in your home
- building wiring

National and international organizations such as Health Canada and the World Health Organization have been conducting and reviewing research about EMF for more than 40 years. Based on this research, these organizations have not recommended the general public take steps to limit their everyday exposure to EMF from high voltage transmission lines.

Will there be TV/radio or wireless internet interference?

Based on our experience, there will be no impact on cable or satellite TV or wireless internet.