

TERRACE TO KITIMAT TRANSMISSION PROJECT OPEN HOUSE

COME LEARN ABOUT THE TERRACE
TO KITIMAT TRANSMISSION PROJECT

6:30 – 7:30 P.M. OPEN HOUSE

7:30 – 8:30 P.M. PRESENTATION, Q & A

BChydro 

FOR GENERATIONS

WHY IS THE PROJECT NEEDED?



The Kitimat area receives electricity from a single 287 kilovolt transmission line (green), from Skeena Substation near Terrace, to Minette Substation.

Minette Substation then supplies the town of Kitimat with distribution-level power.

A second 287 kilovolt line extends from Minette Substation to Kitimat Substation, at Rio Tinto Alcan.

Both lines are nearing the end of their useful life and need to be replaced.

These old lines cannot carry enough power to meet growing need in Kitimat area.

TERRACE TO KITIMAT TRANSMISSION PROJECT

BC Hydro is planning to build a single higher-capacity 287 kilovolt transmission line along the west side of the Kitimat Valley.

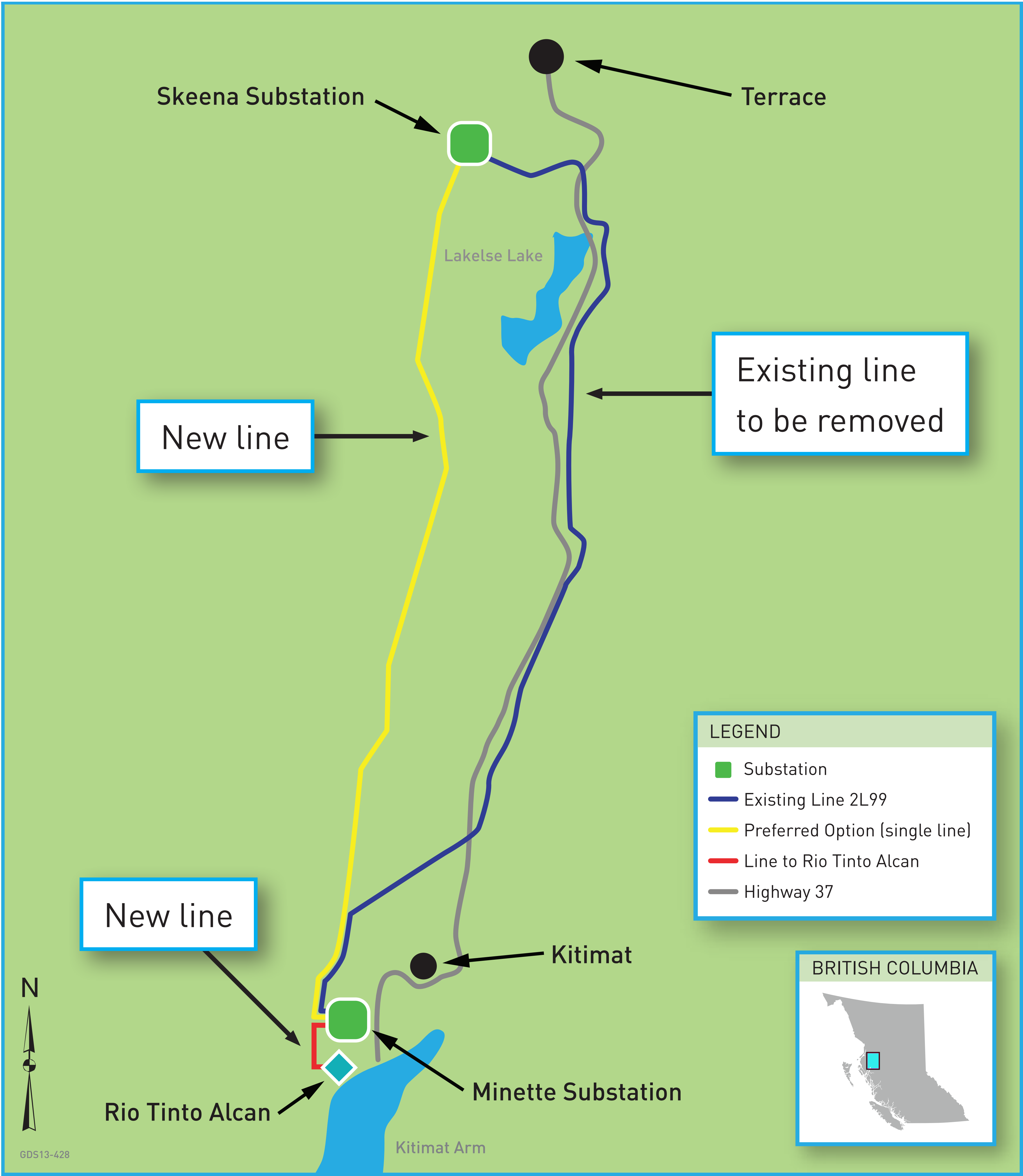
WE BASED THIS DECISION ON:

- Results of environmental, archaeological, feasibility, constructability and cost studies.
- Input from First Nations, local governments and interested parties.

The short 287 kilovolt line to Rio Tinto Alcan will be also be replaced, with a single new line.

The existing line on the east side of the valley will be removed.

TERRACE TO KITIMAT TRANSMISSION PROJECT



WHY JUST ONE LINE?

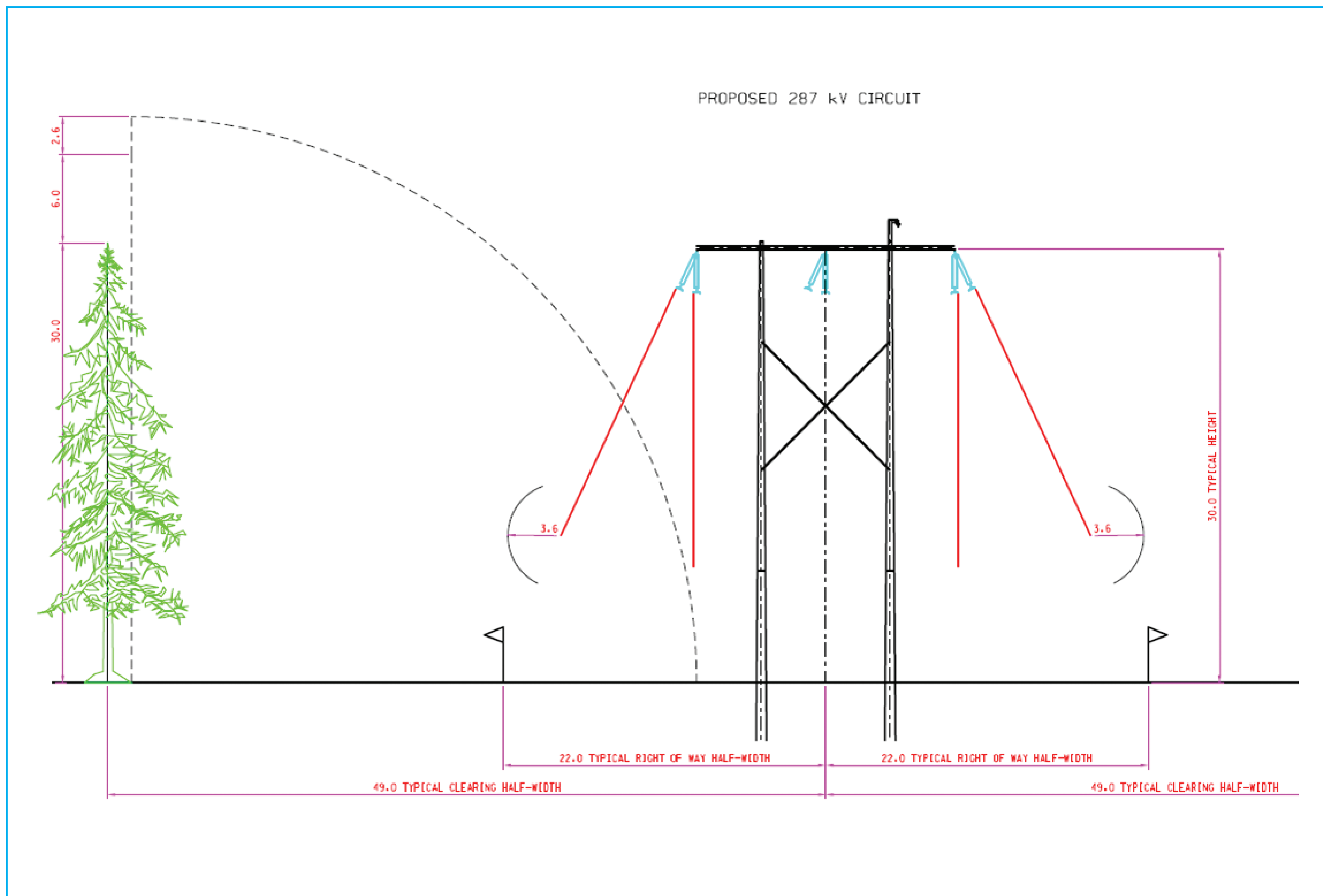


Photo courtesy of the City of Kitimat

One new higher-capacity 287 kilovolt line will provide enough electricity to meet growing need in the Kitimat area.

This includes the electricity needs of potential industrial developments, like LNG plants.

WHAT WILL IT LOOK LIKE?



Most structures will be steel H frames.

Average height approx. 30 metres.

Right-of-way width approx. 44 metres.

Additional one-time danger tree clearing of approx. 26 metres on each side of right-of-way (allowed to grow back after construction).

PRELIMINARY ENVIRONMENTAL STUDIES



ADVANTAGES OF BUILDING ON WEST SIDE:

- Less unstable or potentially unstable terrain.
- Fewer large, interconnected wetland and riparian areas.
- Less high-quality wildlife habitat for the 11 key species reviewed.
- Fewer recreational scenic viewpoints.

COST AND CONSTRUCTABILITY

ADVANTAGES OF BUILDING ON WEST SIDE:

- Terrain is less challenging, making this route somewhat more reliable.
- A line built on the west side would be about 10 km shorter than a line built on the east side.
- Cost is currently estimated to be about 20% less than building on the east side.

FIRST NATIONS & PUBLIC INPUT



ADVANTAGES OF BUILDING ON WEST SIDE:

- Much of line will be out of sight.
- Viewscape along Highway 37 will improve when existing line is removed.
- Preliminary environmental studies show potentially less impact to fish, fish habitat and wildlife sites.
- It will not interfere with any future need to widen Highway 37.

NEXT STEPS



- Detailed environmental and archaeological field studies and geotechnical testing.
- Detailed transmission line design work.
- Ongoing consultation.
- Permitting and Crown Land tenure process.
- Procurement.
- Planned construction start: 2016/17.
- Target in-service date: 2018/19.

