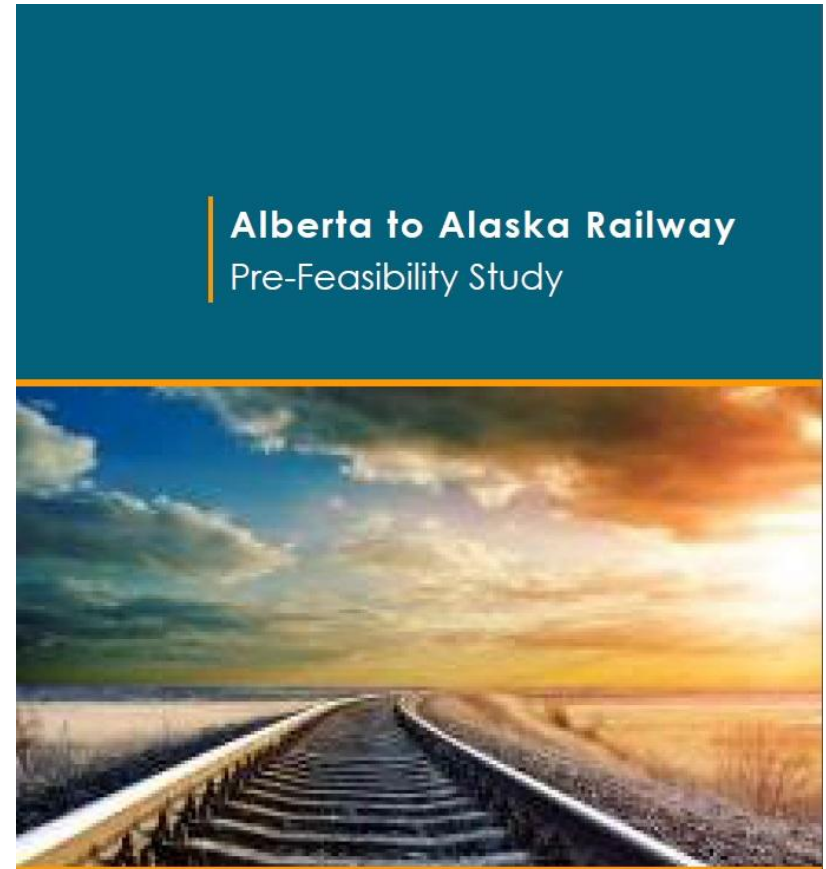


# Alberta to Alaska Railway

- Is it feasible to carry bitumen from Fort McMurray in Northern Alberta to tidewater in Alaska, and from there to world markets via a combination of rail and pipelines?
- A study by the Van Horne Institute released in February 2016, suggests that it is.



# Alberta to Alaska Railway

## *Project Partners*

- Van Horne Institute
- Shirocca Consulting
- AECOM
- Generating for Seven Generations (G7G)
- University of Alaska (Fairbanks)
- Michigan Tech Research Institute



# Alberta to Alaska Railway

## *Overview of Project*

- Fort McMurray to Delta Junction, Alaska – 2,440km of single standard gauge bi-directional heavy haul track
- Track is upgradable to a double track configuration
- Proposed carriage of 1.0 million barrels per day (MBPD) and 1.5 MBPD of bitumen (without diluent)
- 6 – 8 return trains of 196 cars with 6 locomotives daily on the route
- Bitumen heated in storage tanks in Fort McMurray and re-heated in similar storage tanks at Delta Junction, Alaska
- Bitumen transferred into a new pipeline parallel to the Alaska pipeline to the Port of Valdez
- Bitumen transported by tankers to world markets



# Alberta to Alaska Railway

## *Significant Considerations*

- Railway passes through a number of environmentally protected areas important for wildlife, bio-diversity, especially along major river valleys
- Environmental approval and permitting process will be extensive and complex
- Capital cost ranges between \$28 and \$34 billion for 1.0 MBPD to 1.5 MBPD
- Railway will create an opportunity to transport to North American and to world markets, mineralization deposits that are locked in



# Alberta to Alaska Railway

## *Significant Considerations* (cont'd)

- The metallic mineral potential within the 100 mile wide project corridor, estimated to generate in place gross metal values between \$333 and \$659 billion over 30 years of operation
- Consultation and meaningful involvement in the participation of First Nations is essential to the success of this project
- Contact made with all First Nations directly affected through information sharing and project presentation meetings.

