

TC Energy Overview -Life in the Heartland

APRIL 2023

Our energy network

Natural gas pipelines

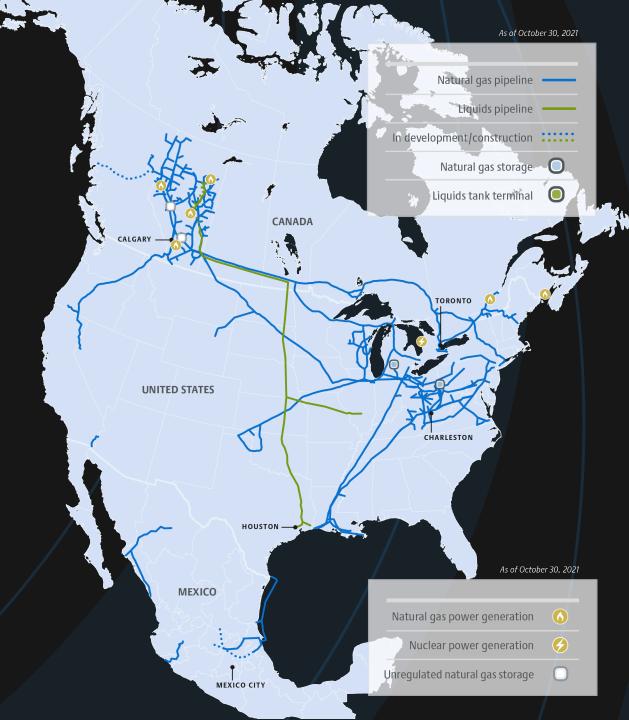
25% of the natural gas that North America uses every day

Oil and liquids pipelines

~20% of the western Canadian oil that goes to the U.S. Midwest and Gulf Coast

Power generation

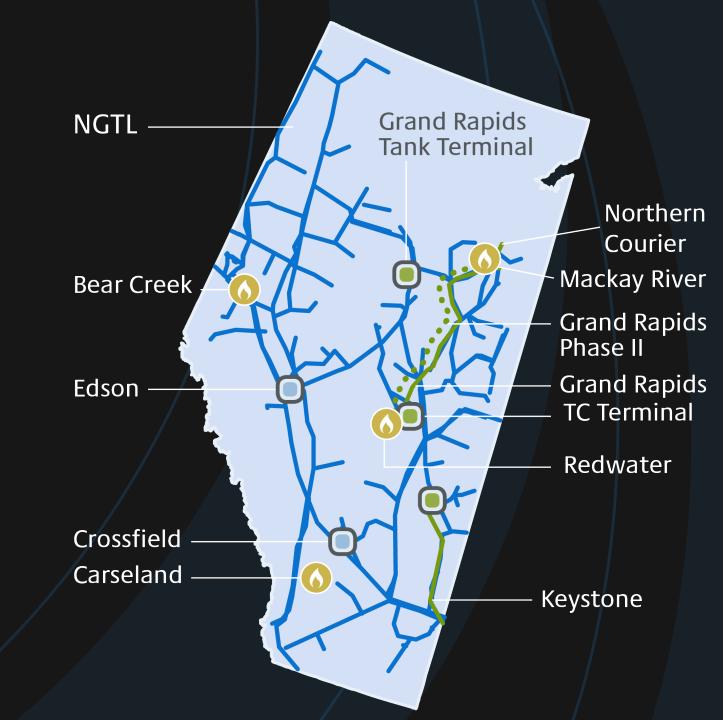
Powering more than 4 million homes

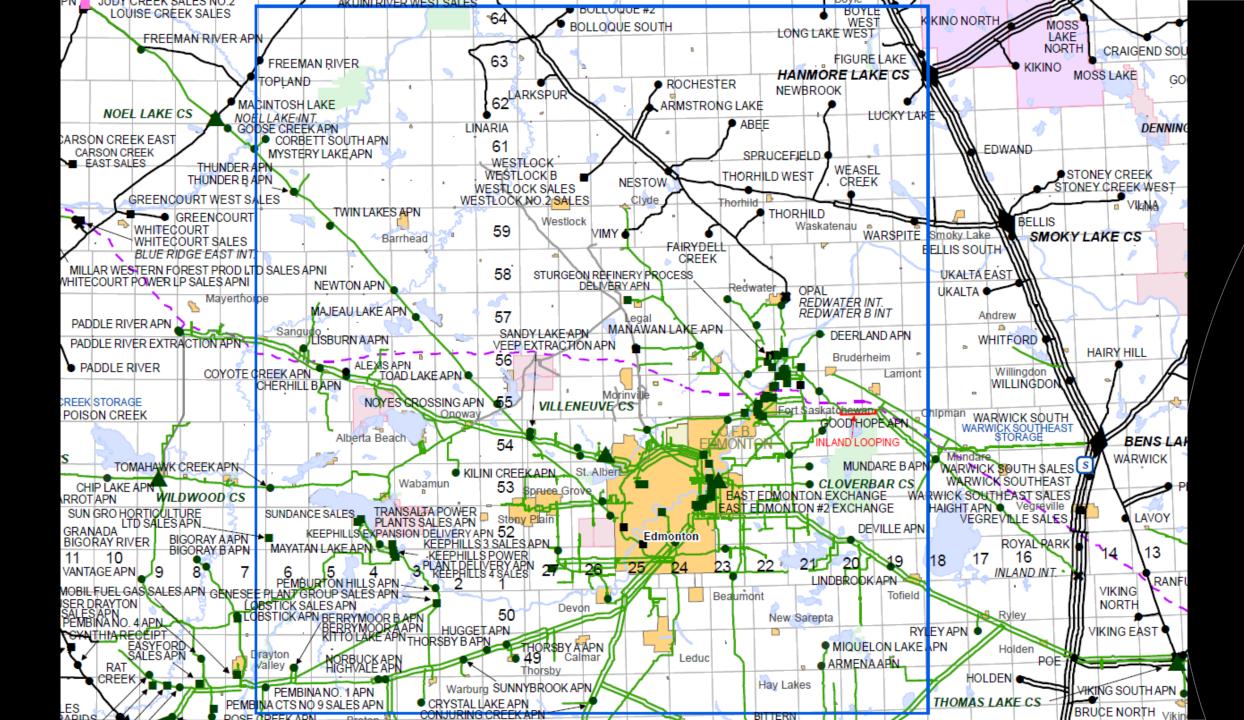


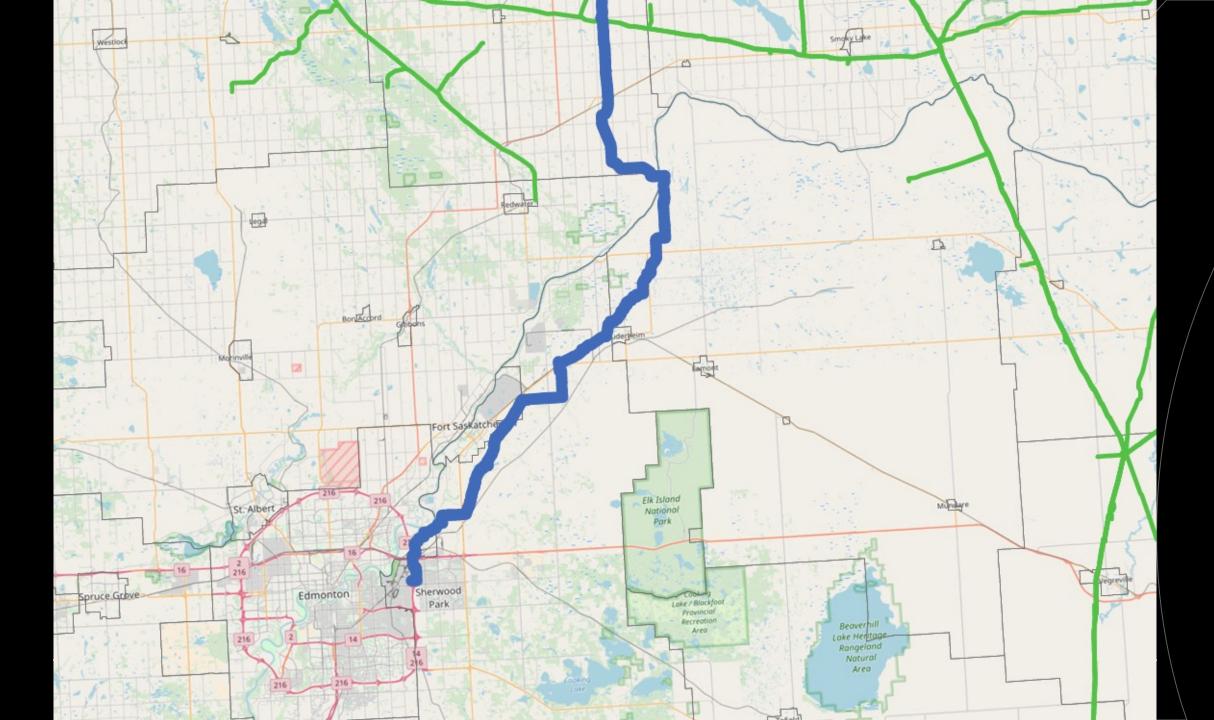
TC Energy in Alberta

Economic impact | By the numbers

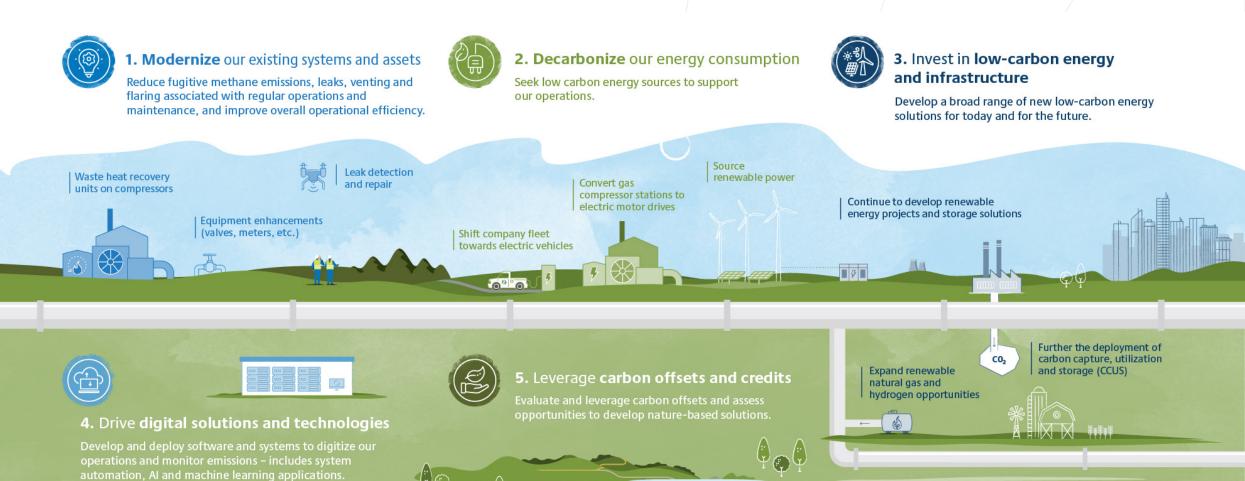
- Property taxes paid: \$141.4M
- Goods and Service Tax (GST): \$14.02M
- Federal Fuel Tax for NGTL and Foothills: \$0.41M
- Community Investment: \$3.73M
- Number of employees: 3,839
- Salaries: \$654 million







Our roadmap to 2050 FIVE FOCUS AREAS



Art Joh

YEL

Renewables in Alberta

Building our portfolio

Solar

Saddlebrook Solar

- A 102.5 MW solar facility set to be in operation late in 2024.
- Utility-scale solar-plus-storage electricity generation facility. Estimated cost \$120 million and will create construction jobs in the near term.

East Strathmore Solar

 Acquired 20 MW of solar energy and clean electricity will be sold to the Alberta Energy System Operator (ASEO). Agreement includes all rights to current and future environmental attributes of the project.

Claresholm Solar

• Acquired 74.25 MW of solar energy which will be sold to the AESO. Agreement includes all rights to current and future environmental attributes of the project.

Wind

Sharp Hills Wind Farm

- 297-MW wind farm, being build by EDP Renewables, anticipated to be operational in late 2023
- Acquired a 15-year virtual power purchase agreement for the offtake, making it the largest vPPA in the country.

Pumped Hydro Storage

Canyon Creek Pumped Hydro Storage

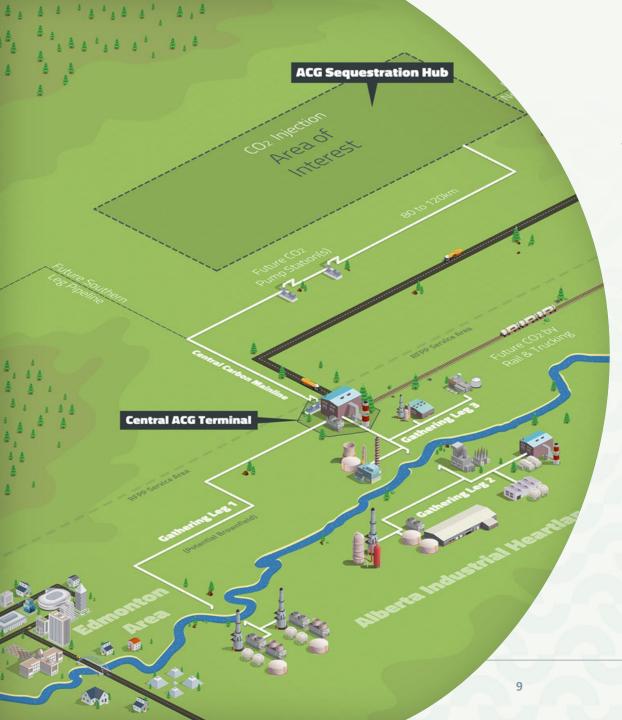
- To produce 75 MW of power when operational in 2025.
- Utilizes existing site infrastructure from a decommissioned open pit coal mine.
- Facility to provide up to 37 hours of on-demand, flexible, clean energy and ancillary services to the Alberta electricity grid.
- Approved by the Alberta Utilities Commission and Alberta Government for hydro projects under the Canyon Creek Hydro Development Act,



Alberta Carbon Grid (ACG) Overview

- A collaboration between Pembina Pipeline and TC Energy
- World-leading carbon transportation and sequestration solutions across Alberta
- Designed to serve multiple customers and industries
- Multi-year effort to help meet Canada's emissions targets and benefit the Alberta economy
- Exploring options to create several ACG storage hubs throughout Alberta
- Long-term vision is to annually transport and store up to 20 millions tonnes of CO2 through multiple hubs

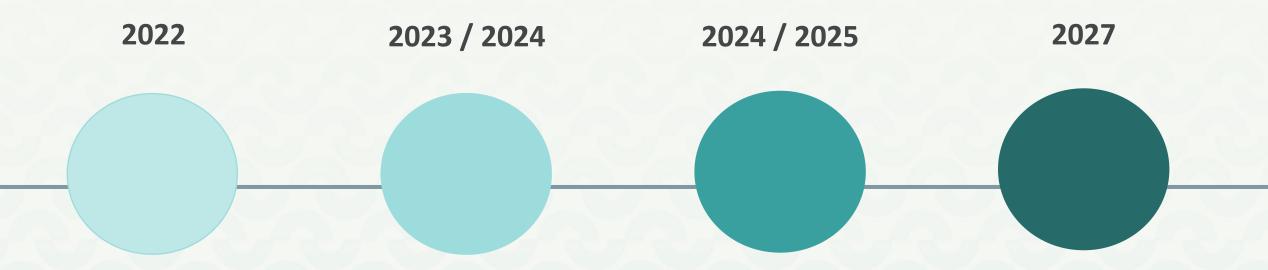




ACG Industrial Heartland Project

- First ACG hub selected to move forward by the Government of Alberta in the first RFPP
- Entered into an evaluation agreement with Government of Alberta
- Secured the rights to explore premier pore space (Area of Interest) in the Alberta Industrial Heartland region
- Developed in phases with the potential to transport and store up to **10 million tonnes** of CO2 annually when fully developed
- Cost-effective, safe and reliable solution for emitters in the area to permanently store CO2

Project Timeline



ACG selected to move forward

Carbon sequestration evaluation agreement signed Evaluation program

- 2D Seismic testing
 - Well testing
 - Data Analysis
- Sequestration Permit

Final investment decision

Targeted project completion





Thank you