



Life in the Heartland - Fall Industry Update

November 4, 2020

NATURAL GAS TRANSMISSION- CANADA

We own and operate key high-pressure natural gas transmission facilities in Alberta

- Own and operate approximately 9,100 km of natural gas transmission pipelines in Alberta
- Deliver a peak of 3.7 billion cubic feet of natural gas per day to customers
- Nearly 3,500 receipt and delivery points



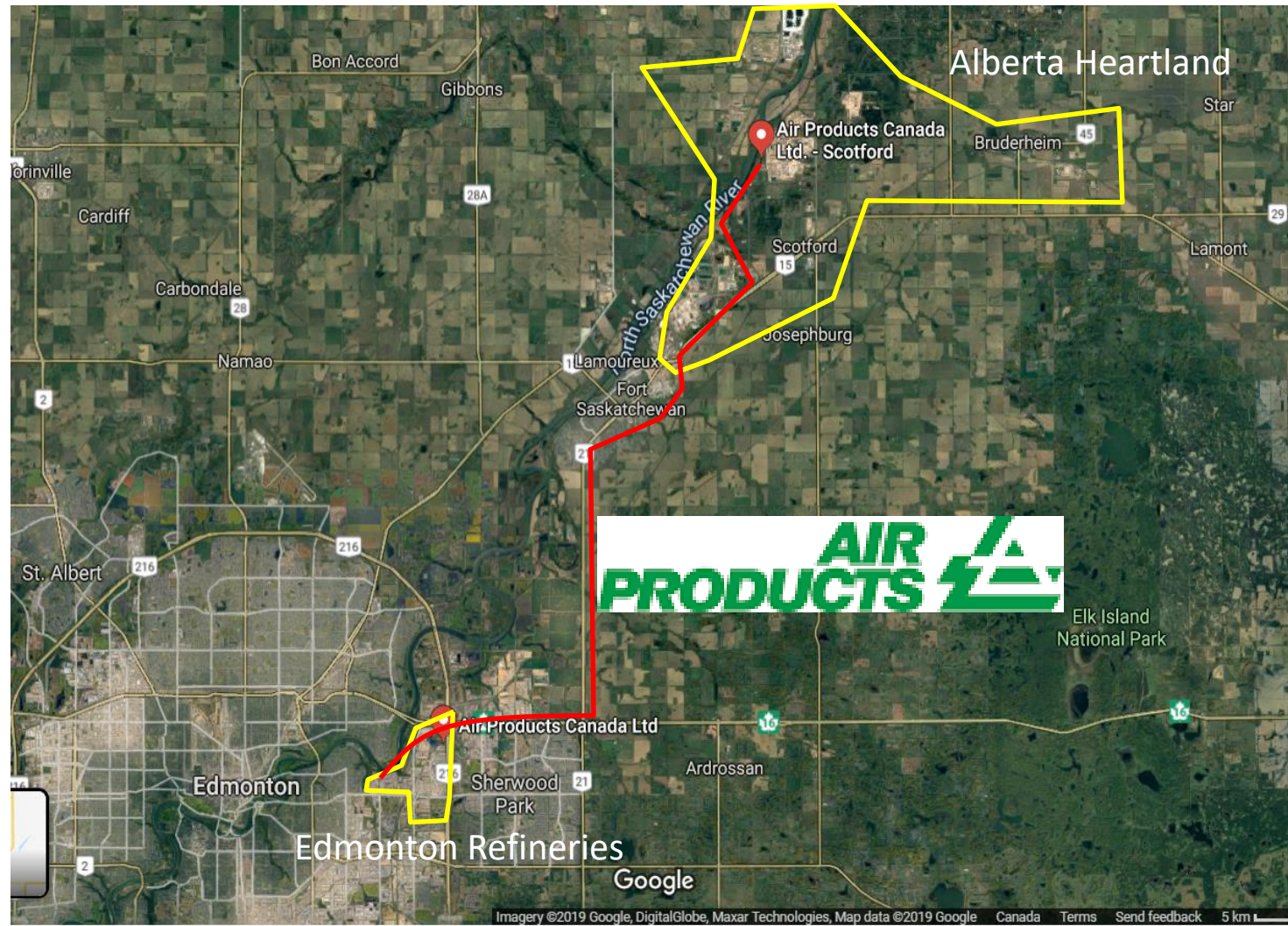
ATCO NATURAL GAS - ALBERTA

We deliver safe, reliable and cost-effective natural gas to homes and businesses throughout Alberta

- Alberta's largest natural gas distribution company
- Serve more than 1.2 million customers in nearly 300 Alberta communities
- Builds, maintains and operates more than 40,000 km of natural gas distribution pipelines



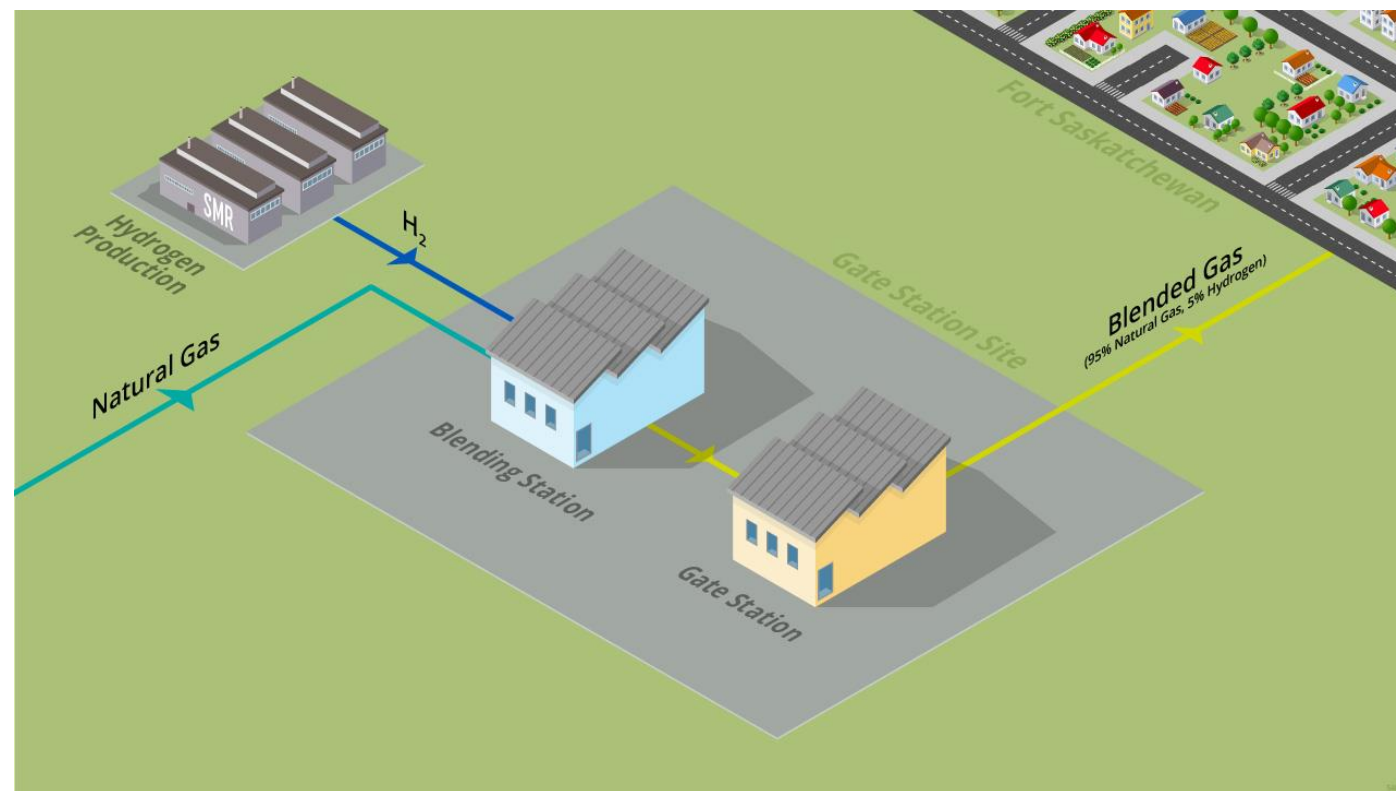
HYDROGEN IN THE HEARTLAND REGION



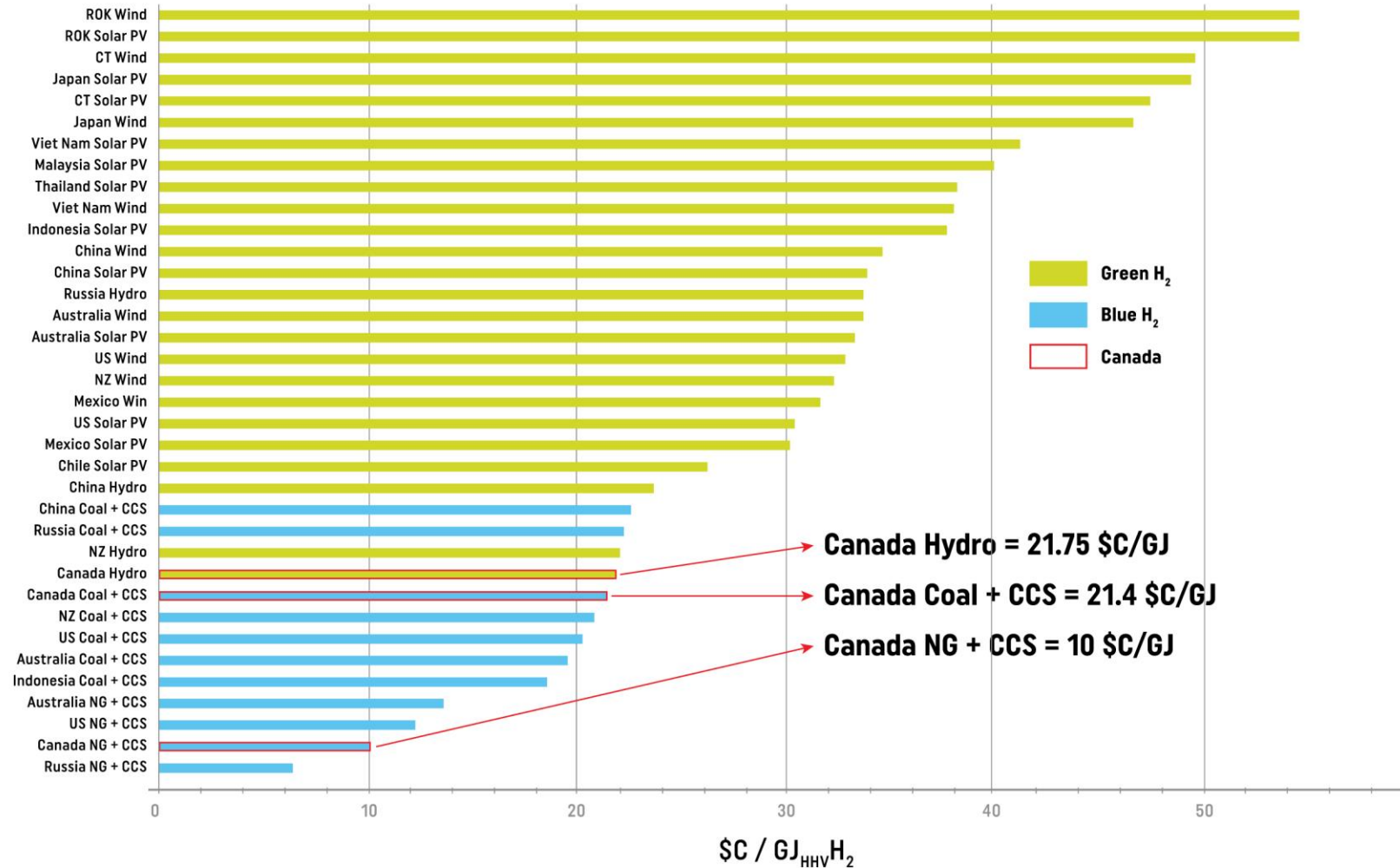
FORT SASKATCHEWAN BLENDING PROJECT

Foundational step towards building a hydrogen economy for Canada

- Accelerate business model development
- Overcome obstacles (regulatory, technical, public awareness & acceptance)
- First-of-its-kind project leveraging world class natural gas industry in Canada
- Leveraging the learnings from ATCO's Clean Energy Innovation Hub in Australia



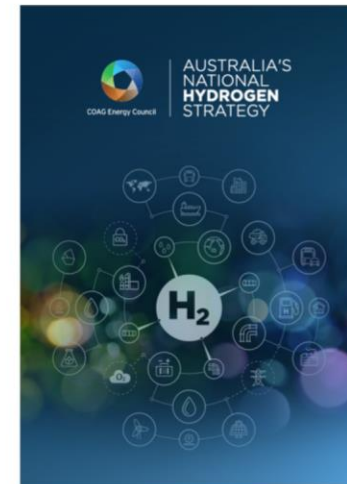
THE ALBERTA ADVANTAGE



Canada (Alberta) is among the lower cost producer of low-carbon hydrogen in the world

The world is moving quickly on hydrogen

- UK, EU, Japan, Australia, Germany have national strategies, many other countries investing (France, India, China)
- NRCan working on Canadian document



<https://www.industry.gov.au/data-and-publications/australias-national-hydrogen-strategy>

From: <https://www.energynetworks.com.au/resources/reports/advancing-hydrogen-learning-from-19-plans-to-advance-hydrogen-from-across-the-globe-ffcrc/>

BUILDING THE SAFETY CASE & NEXT STEPS

- ATCO leading the testing and verification of H2 impacts on gas infrastructure
- Utilizing FT. Sask project to establish roadmap for large scale H2 blending
- Building on Successes of Keele University (20% H2 blend) and accelerating adoption of H2 blending in Alberta
- Utilizing appliance testing centre to independently verify H2 blends in ATCO system
- Blending into Transmission System, and re-purposing of abandoned lines for H2/CO2
- Community outreach; media, townhalls, etc
- Regulatory & policy updates; GUA and Codes & Standards

WHY HYDROGEN?

Essential component to achieve Net Zero by 2050
(In conjunction with other renewables)

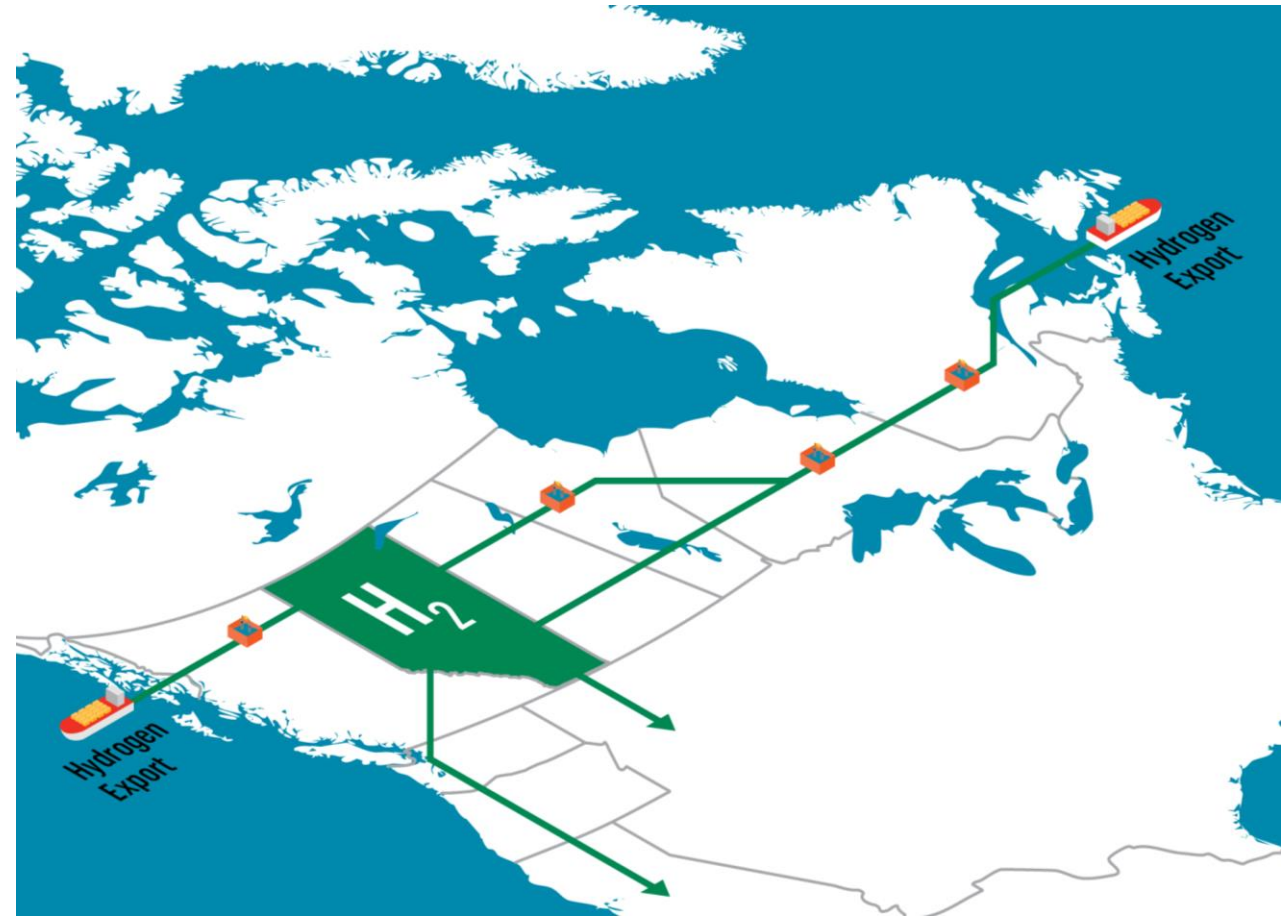
Scalable GHG reduction compliance mechanism

Re-use existing infrastructure to support a long-term transition to clean heat

Alberta is a logical hydrogen hub for Canada

- Lowest cost H₂ production and built CCS assets
- Abundant supply of natural gas
- Large industrial demand

Maintain and create energy jobs in Alberta, delivering clean heat to our energy customers, ensuring pipelines growth and relevance in a zero-emission world.



The ATCO logo is displayed in white, bold, italicized capital letters. A thick yellow horizontal line is positioned directly beneath the letters. The logo is set against a background of a cornfield under a blue and purple sky.

ATCO

Thank you