

FORT SASKATCHEWAN HYDROGEN BLENDING PROJECT



Project Overview

Starting in late 2022, ATCO will be injecting 5% hydrogen into a portion of Fort Saskatchewan's natural gas distribution system. About 2,100 customers will be the first in Alberta to use hydrogen blended natural gas.

With its ability to provide energy without carbon, hydrogen presents an exciting opportunity for ATCO, Alberta, and the world, and is becoming central to decarbonization plans around the globe. Blending hydrogen into natural gas networks is safe and already happening in places like Europe, Hawaii and Hong Kong.

What Changes?

Extensive testing has found that ATCO's planned hydrogen blend rates do not impact end use appliances or existing piping material. There will not be any noticeable change in the gas supply at the proposed blend rates. The look, sound, and smell of the gas will remain consistent. It is expected that there will be no required code changes to accommodate the planned blend rates, and CSA B149.1 will be applicable for blends up to 25%.

Carbon Monoxide (CO) detection devices which contain electrochemical sensors have a cross-sensitivity to hydrogen gas. This means that a hydrogen blended gas leak can result in a false CO alarm and in some cases damaged sensors in residential CO detectors and personal gas detection devices equipped with CO detection capabilities. If a CO detection device is exposed to hydrogen, ATCO recommends replacement of the device or ensuring that the CO sensors are functioning properly prior to continued use. ATCO is available for assistance for CO related occurrences via the Customer Assistance Centre at 310-5678.

ATCO completed a customer engagement program within the project footprint in Spring of 2022. As a part of that program, homes and businesses within the footprint now have tags at their meter set and stickers on their appliances to identify them as receiving hydrogen blended gas.

Questions?

Visit our website using the QR Code:

Email: H2@atco.com

Call: 310-5678

