The H.W. Hill Renewable Natural Gas facility is near the Republic Services landfill in Roosevelt.

See Innovation at Work

Klickitat PUD's H.W. Hill Renewable Natural Gas facility is one of the largest in the U.S.

Klickitat PUD has completed its renewable natural gas facility, producing one of the lowest carbon emission fuels available at one of the largest facilities of its kind—and it's located right here in Klickitat County.

The H.W. Hill Renewable Natural Gas Project began commercial operations at the Roosevelt Regional Landfill in November 2018.

Large, clean and efficient, the facility produces approximately 65,000 gallons (ethanol gallon equivalent) of biofuel each day.

The facility employs unique technologies that have never before been used in a landfill application to process the gases. These technologies include a cryogenic nitrogen removal system that separates nitrogen from the methane by cooling the gas to minus 280 F.

This technology was chosen because of reduced horsepower requirements in the gas cleaning system and to reliably produce gas that meets the strict specifications of the Williams Northwest Pipeline. Gas produced here is typically 98% or more pure methane.

The facility has received national and international attention for the scale, scope and innovative technologies employed. While pages could be filled with explanations of each of these technologies, Klickitat PUD staff would rather show them to you.

A dedication ceremony is planned for September. You are invited to bring your friends and neighbors to see the innovative facility. You won't be disappointed.

For more details, stay tuned to the KPUD Facebook page or Klickitat PUD dedication webpage at www.klickitatpud.com/rng-dedication. ■

Clockwise from far left, components of the RNG facility include the nitrogen removal unit tower. Project Engineer Dan Waineo of Montrose Environmental, left, and Klickitat PUD General Manager Jim Smith at the RNG facility. Various filters are located at the inlet to the RNG processing facility. The H.W. Hill Renewable Natural Gas facility is an innovative operation receiving national and international attention.