

NW NATURAL

Kathryn Williams, Director, Government Affairs
House Committee on Energy & Environment
January 24, 2019



NW NATURAL 101

- Celebrating 160 years of service in 2019
- Largest stand-alone gas utility in the Pacific Northwest
- Serving two million people in Oregon and SW Washington
- One of the most modern distribution systems in the country
- Nearly 1,200 employees
- \$1M in community donations each year



EVOLVING WITH THE TIMES



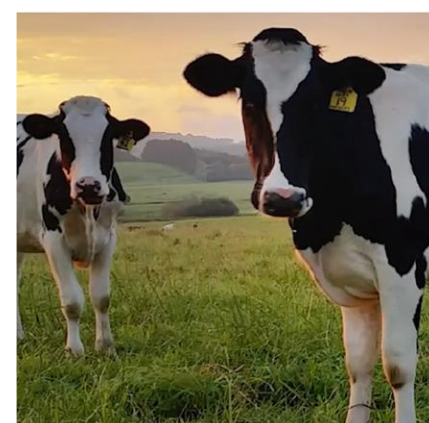
Manufactured gas
for lighting and
heat (1860s)



Network expands
with arrival of
Northwest pipeline
(1950s)



Modernized system,
decoupled rates,
energy efficiency
(2000s)



Growth in carbon
offset program,
interest in RNG
(2010s)

USES FOR NATURAL GAS

- Customers use natural gas for cooking, space and water heating, drying
- Compressed natural gas (CNG) is used to fuel vehicles, including heavy-duty trucks and fleets
- Industrial customers use natural gas to make paper, glass, steel, asphalt, building materials, in food processing and more



Furnace



Fireplace



Cooking



Hot Water



Vehicles



Manufacturing

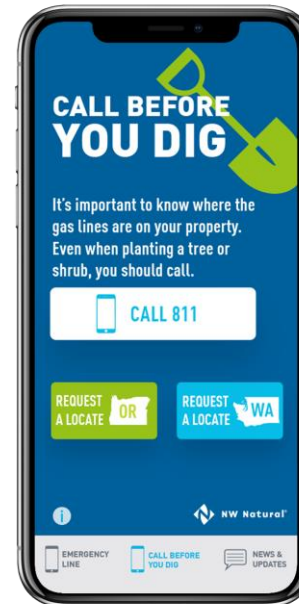


Processing

SAFETY EDUCATION & TRAINING



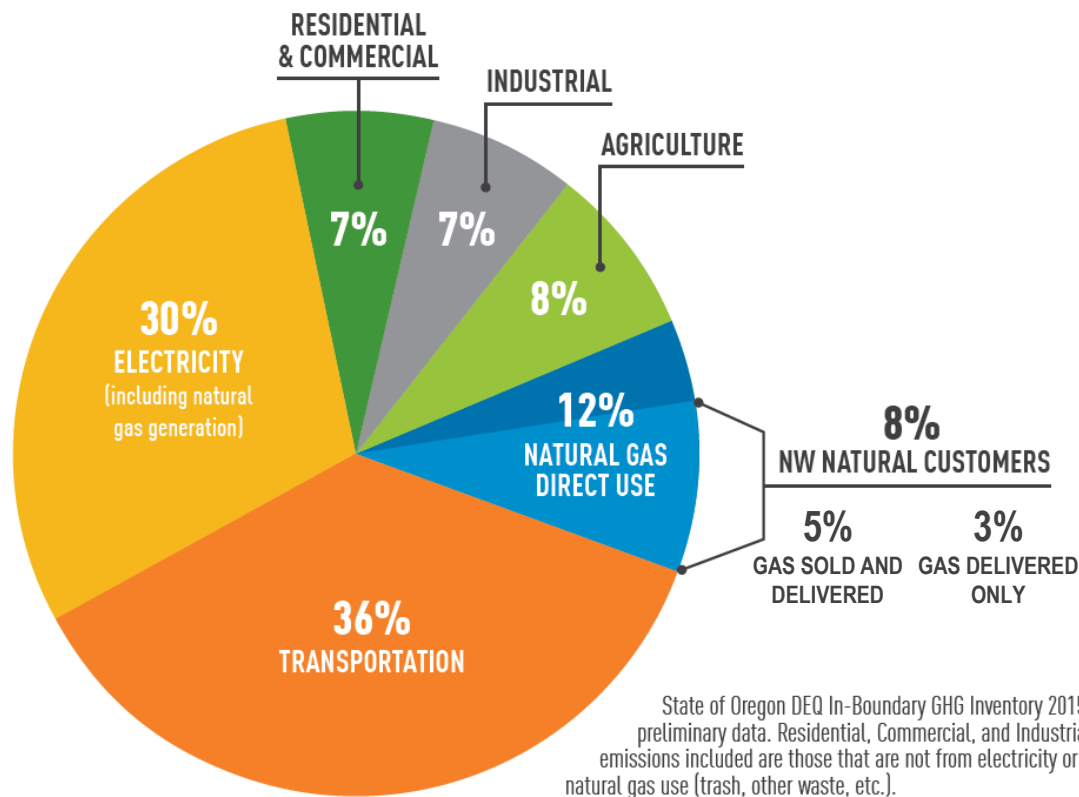
Sherwood Training Center



Safety Apps

NW NATURAL'S SYSTEM

Major energy asset, modest emissions profile



- Natural gas system crucial to meet seasonal peak energy needs
- Modernized and efficient delivery and storage in place today
- Can deliver even lower carbon energy with RNG

Oregon's Greenhouse Gas Emissions by Sector

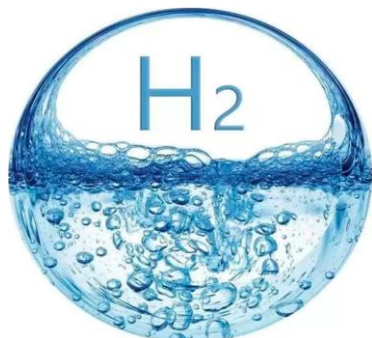
LOW CARBON OPPORTUNITIES

Renewable Natural Gas



Wastewater treatment plants, dairies and landfills can be sources of RNG

Power to Gas



Using excess renewable electricity to make renewable hydrogen can displace pipeline natural gas

Reach Upstream



Reduced emissions at the wellhead decreases the carbon intensity of our product

Compressed Natural Gas



New CNG engines provide the cleanest and most cost effective solution for heavy duty vehicles

CUSTOMER FOCUS

We're committed to a low carbon future that leaves no one behind.

- Financial assistance programs to help with winter heating bills
- Weatherization services for home owners and renters
- Stronger partnerships to better serve low-income customers
- Continued delivery of efficiency savings through Energy Trust of Oregon programs





THANK YOU.



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