

**Dominion Energy
Utah
Sustainability
Technical
Conference**

January 12th, 2021



For almost a century, we've served a critical mission:



Providing safe, affordable and reliable energy to the customers who depend on us.



Natural gas is part of the fabric of American life



180 million Americans

use natural gas directly in their home or business every day

600,000 Americans

sign up for new natural gas service each year

Consumers trust the reliability and affordability of gas space and water heating, and they love the experience of gas cooking and fireplaces.



In a carbon-constrained world, we must serve a broader mission:

We must build a clean and sustainable energy future for our customers and our climate.



Embracing change in a carbon-constrained world



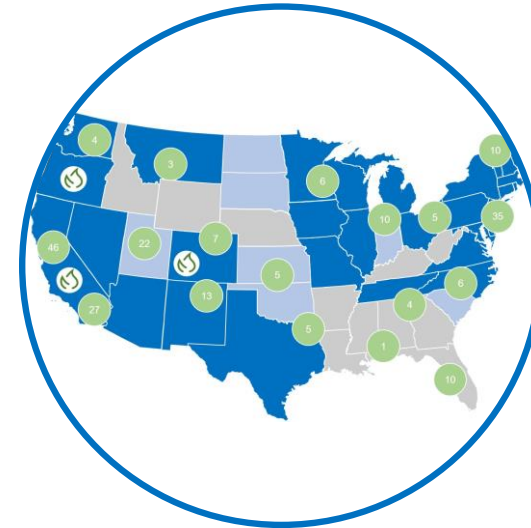
69%

of U.S. consumers want aggressive action to address climate change



80%

of investors want a transition to less carbon-intensive energy sources



262

States and localities have enacted clean energy policies



Our Current Path to Net Zero Emissions

1 Reducing methane emissions on our system

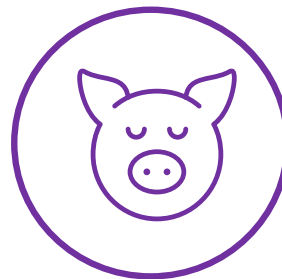
25%
by 2019

65%
by 2030

80%
by 2040

- Reduce or eliminate venting
- Replace aging infrastructure
- Expand leak detection and repair programs

2 Reaching net zero emissions with investments in RNG



- \$2 billion of planned investment by 2035
- Smithfield Foods, Vanguard Renewables, etc.
- By 2040, capture more emissions with RNG than we emit from our system





Farm to Energy: Carbon-Negative RNG

Significantly more emissions are captured from farms than are released when consumers use the gas.

Substantial Emissions Reduction through Industry-Leading Partnerships



3.5 million
metric tons of CO₂e
captured annually



750,000
cars off the road
each year

OR



60 million
new trees planted
each year





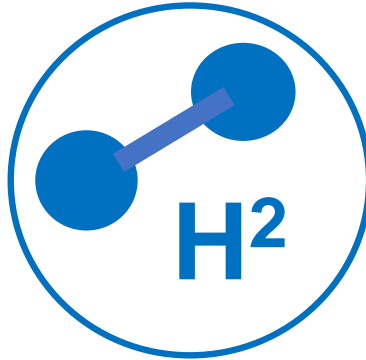
Current Initiatives



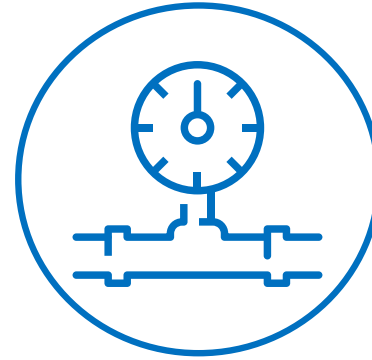
Renewable
Natural Gas



Energy
efficiency
programs



Hydrogen
blending pilot
project



Operations
Initiatives



Wexpro
Initiatives

Advancing the Use of Renewable Natural Gas

- **GreenTherm voluntary RNG program**

- Program started January 31, 2020
- Over 1,100 participants reached in December



- **RNG Partnerships**

- Bluesource – RNG at CNG stations
- Fleetsaver – RNGT Tariff



Advancing the Use of Renewable Natural Gas

- **Utah RNG Projects**
 - **Wasatch Resource Recovery**





Advancing the Use of Renewable Natural Gas

- **Utah RNG Projects**
Milford Farm



Energy Efficiency Programs



Since 2007, more than **45%** of Utah customers have participated in at least one ThermWise® program



According to American Gas Association (AGA) data, Utah achieved customer energy efficiency participation levels in **13** years that have taken **20+** years to achieve in other states



\$220+ million customer rebates in Utah since 2007, resulting in energy savings equivalent to annual consumption of more than **100,000** homes



2021 Commission-approved dual-fuel heating system rebate measure will reduce natural gas consumption for home heating by **50%** in the average Utah customer home

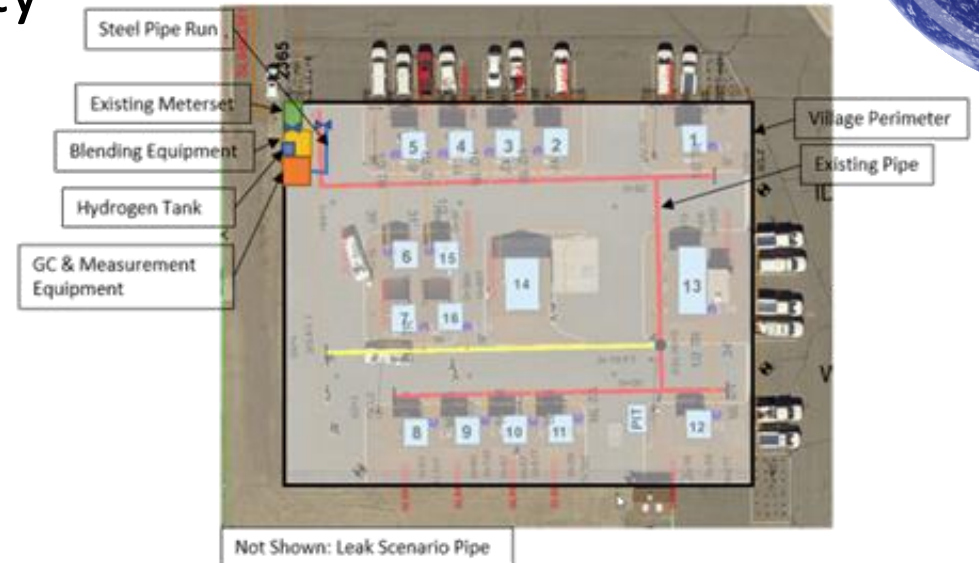


ThermWise®

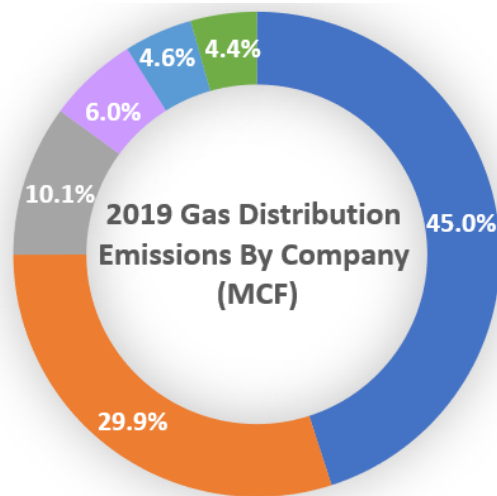
“If you conserve, you can save.”®

Hydrogen Pilot Program

- Objective: To validate current research and gain operational experience with hydrogen blends up to 5%
- Testing will focus on distribution piping configurations (Intermediate High Pressure 45 psig)
- Pilot will confirm safety, quality, and reliability on DEUWI system in blends up to 5% hydrogen
- Tests will take place in the DEUWI Training Academy Village

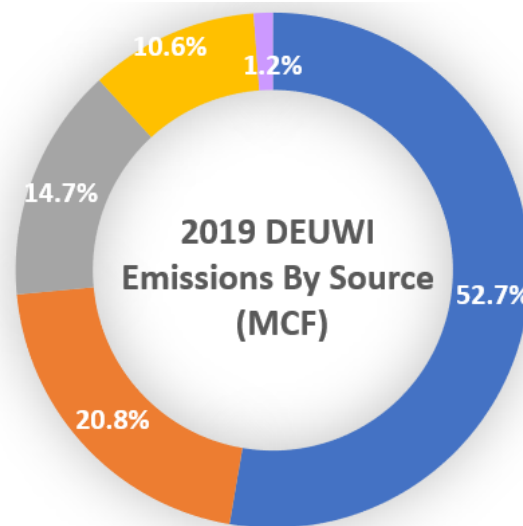


Operations – Methane Emissions



- DEOH
- DEWexpro
- DEUWI
- DENC
- DEWV
- DESC

2019 Emissions (MCF)		
LDC	Total	%
DEOH	1,758,756	45.0%
DEWexpro	1,169,717	29.9%
DEUWI	393,846	10.1%
DENC	234,454	6.0%
DEWV	177,844	4.6%
DESC	171,166	4.4%
Total	3,905,782	



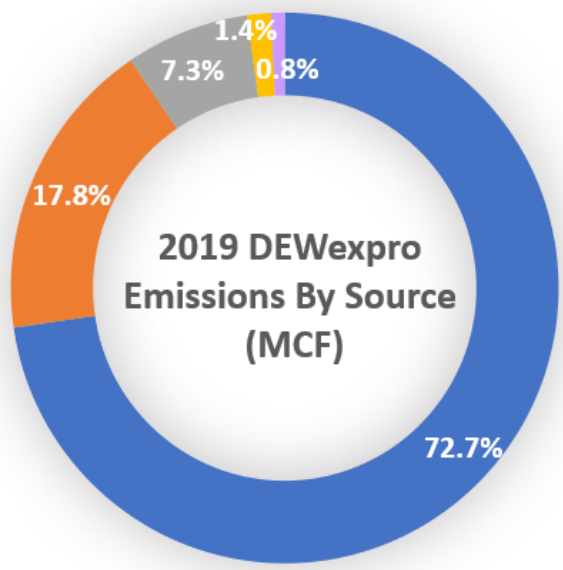
- Equipment Leaks
- Outdoor Residential Meters
- Pipeline Dig-Ins
- I&C Customer Meters
- Misc.

Three sources make up 99% of DEUWI's Emissions*.

2019 Emissions (MCF)		
Source	Total	%
Equipment Leaks	207,409	52.7%
Outdoor Residential Meters	82,104	20.8%
Pipeline Dig-Ins	57,848	14.7%
I&C Customer Meters	41,753	10.6%
Misc.	4,733	1.2%
Total	393,846	



Wexpro Sustainability Initiatives



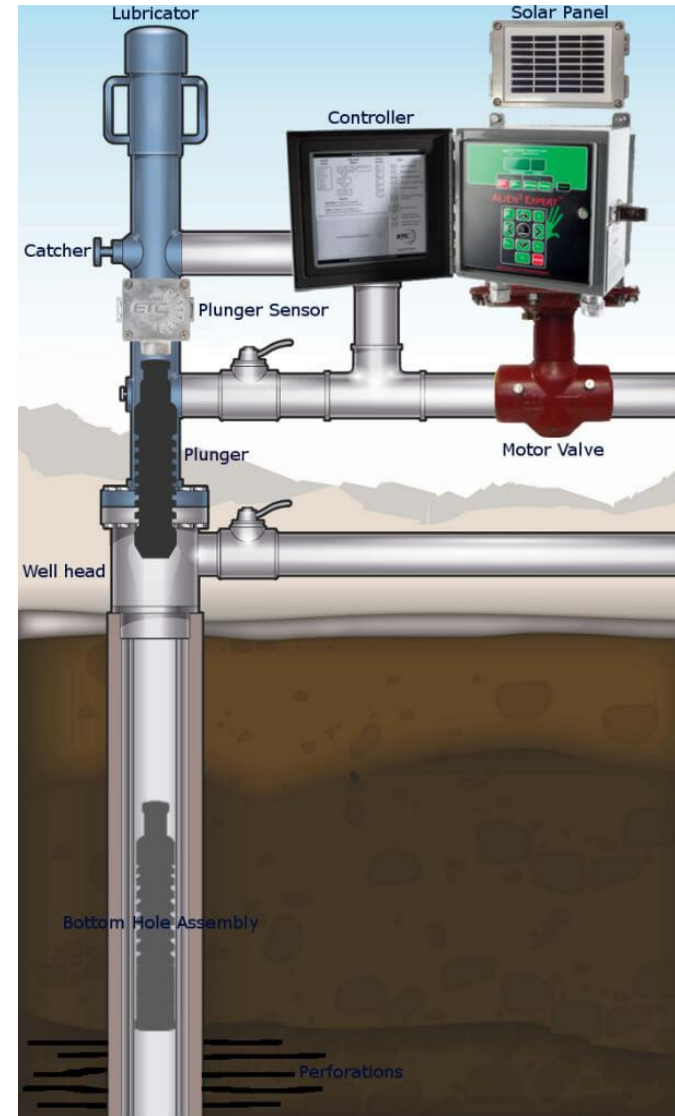
Source	%
Pneumatic Devices	72.7%
Well Venting for Liquids Unloading	17.8%
Equipment Leaks	7.3%
Atmospheric Storage Tanks	1.4%
Misc.	0.8%
Total	



- **Pneumatic Devices**
 - Wexpro is testing out options to eliminate pneumatic devices from venting Methane
 - Targeting emission reduction of 100% by 2030
- **Well Venting for Liquid Unloading**
 - Wexpro is deploying plungers continually to alleviate well venting for liquid unloading events
 - Wexpro is also working on a combustor to be utilized to combust the gas normally vented from liquid unloading events
 - Targeting emission reduction of 85% by 2030

Wexpro Sustainability Initiatives

- Plunger deployments reduce well venting
- Pneumatic controllers control well flow as well as fluid levels in separators



Confidential