Maximising the role of green gas
Wales & West Utilities Introduction

We are the Gas Distribution Network owner and System Operator for Wales & south west England.

- We have 20 biomethane plants and 54 power stations connected.
- We have 1.75 TWh green gas capacity connected to our network.
- We flexibly deploy 58 GWh of storage each day (UK 210 TWh seasonally).
- From 2021-2026, we will invest £400m towards making our network net zero ready.
The gas grid and green gasses

Sources: UK Government, Digest of UK Energy Statistics; Anaerobic Digestion & Bioresources Association
A hydrogen vision

The most detailed vision yet launched for how hydrogen could enhance the UK’s energy system – Energy Networks Association (ENA)
Gas Goes Green: Maximising the role of green gas

A collaborative project to understand how biomethane and hydrogen can work together

- How big can the role of biomethane in the future system be?
- How can biomethane be best used in areas of the gas network which convert to hydrogen?
- What technologies can we use, and where should we focus further research and development effort?
Maximising the role of green gas

Project progress

• Project identified in GGG 2023 workplan
• All networks agreed to participate

Complete

• Appointment of partner via competitive tender
• Developing engagement approach

Ongoing

• Project initiation
• Industry and wider engagement
• Analysis and reporting

Next steps

Outputs expected Spring 2024
Find out more

• Interested in this project?
  • Sign up for Gas Goes Green updates - https://www.energynetworks.org/creating-tomorrows-networks/gas-goes-green
  • Get in touch via matthew.hindle@wwutilities.co.uk

• Contact us with other ideas – innovation@wwutilities.co.uk

• Register for our mailing list to hear about calls for ideas, receive our annual reports, news and updates

• Use routes into all networks such as ENA’s Smarter Networks Portal, where you can see details on current projects, find partners and propose ideas for all network companies to review and consider