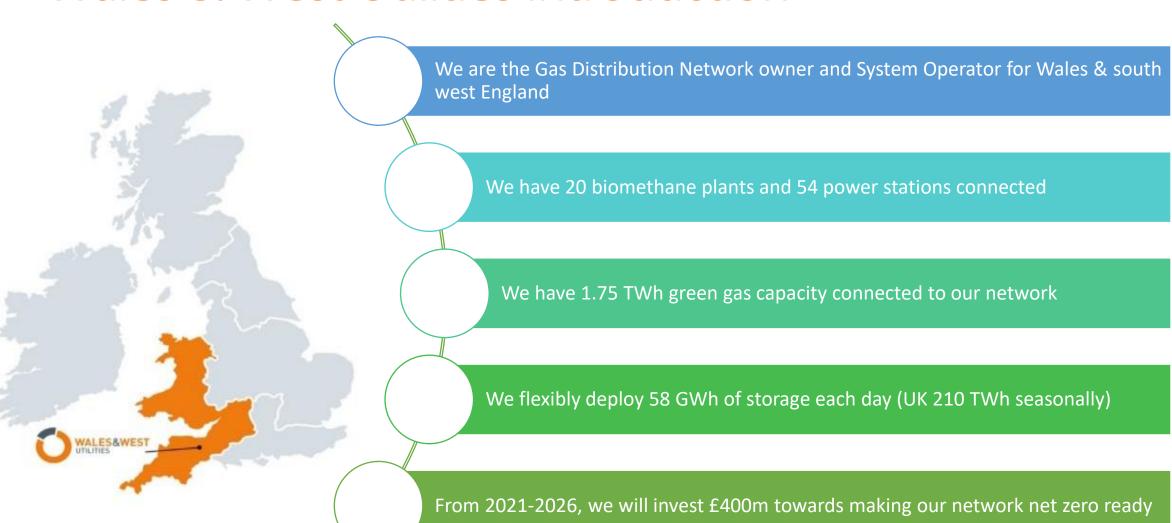
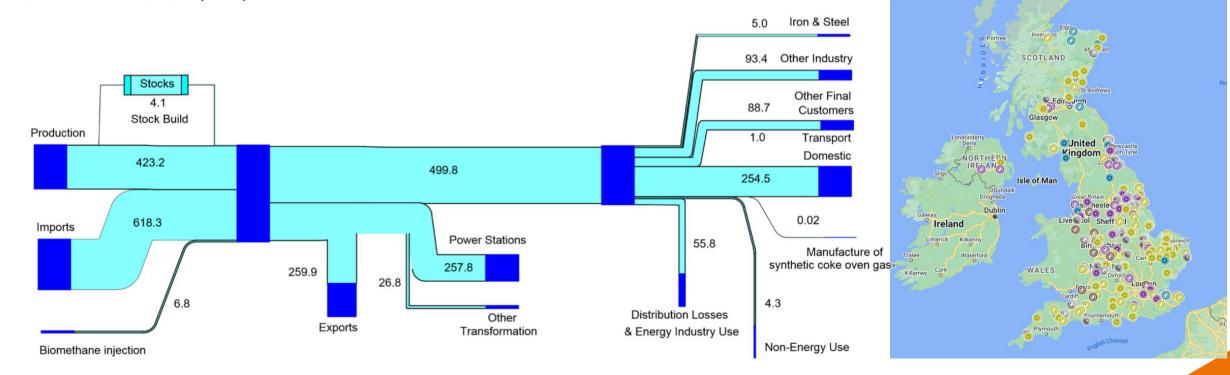


Wales & West Utilities Introduction



The gas grid and green gasses

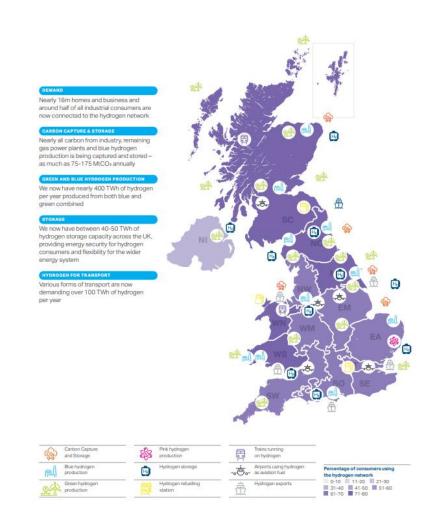
Natural Gas Flow Chart 2022 (TWh)





A hydrogen vision

A hydrogen vision for the UK Mapping out the potential 2050 Additional targets likely to emerge through At the end of our mapping scenario, the use of hydrogen by consumers is widespread. providing low carbon energy across the economy, providing choice to consumers and keeping businesses viable network have converted to hydrogen, with the remainder largely using alternative forms of low carbon energy Throughout the transition networks are focused on repurposing assets where it makes sense, reducing overall costs There will be a need for new pipelines in some areas - for example to support hydrogen transmission at national and regional level alongside the movement of natural gas In some areas of high hydrogen demand, new pipelines will be built Lower overall demand for gas will mean that by 2050 some areas of the distribution network will no longer be required. Parts of the pipeline network could be partially decommissioned in order to preserve network safety and reduce ongoing costs





Gas Goes Green: Maximising the role of green gas

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

- Ohow big can the role of biomethane in the future system be?
- Ohow can biomethane be best used in areas of the gas network which convert to hydrogen?
- OWhat 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

Ongoing

- Appointment of partner via competitive tender
- Developing engagement approach

- 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@wwwutilities.co.uk
- Contact us with other ideas innovation@wwutilities.co.uk
- Register for our <u>mailing list</u> to hear about calls for ideas, receive our annual reports, news and updates
- Use routes into all networks such as ENA's <u>Smarter Networks Portal</u>, where you can see details on current projects, find partners and propose ideas for all network companies to review and consider



