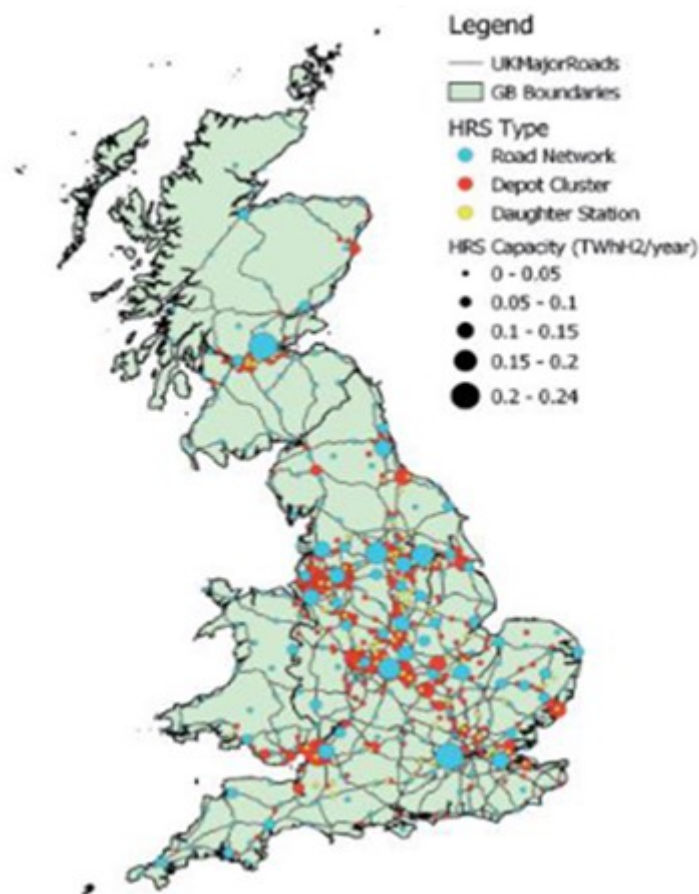




## YOUR NGN NEWS UPDATE

May 2023

**Innovation project explores opportunity for pipeline hydrogen to decarbonise heavy-duty transport**



*The image above is from a previous Element Energy project that shows a snippet of the demand for Hydrogen trucks in 2050.*

Hydrogen is a vector in the UK's plan for meeting its decarbonisation targets and is widely expected to play a crucial role in decarbonised heating, industry, and transport sectors.

As a gaseous fuel, pipeline distribution is the most cost-effective solution for bulk distribution of hydrogen. In the UK, our heavy-duty transport sector is facing a serious decarbonisation challenge, having failed to reduce its emissions since 1990.

Ahead of the fossil fuel Heavy Duty Vehicle sales bans in 2035 & 2040, hydrogen is regarded as a strong contender to support reduction of these emissions.

In early May, our '*Visualising the opportunity for pipeline Hydrogen for mobility applications*' innovation project kicked off, funded by the NIA (Network Innovation Allowance). This project will look to compare the hydrogen transport demand of HGVs, vans, buses, Refuse Collection Vehicles (RCVs), trains, ports and airports, with existing and planned hydrogen infrastructure.

The tool will allow users to visualise the likely hydrogen transport demands and hydrogen gas grid locations to identify high potential future sites for gas grid connections for hydrogen refuelling stations. The project will aim to identify the viability of an alternative revenue stream for NGN and assist with future strategic planning.

The visualisation tool will produce scenarios in 5 year increments up until 2050 and at the end of the project in November 2023, NGN will have identified 70 hydrogen refuelling sites. Transport for the North (TfN) a sub-national Government body will be providing the data on each transport vector as well as sharing their predicted uptake on vehicle use. Element Energy will be compiling TfN transport data with NGNs GIS mapping data to create the physical visualisation tool.

[Find out more](#)

**Sign the Yorkshire & Humber  
Climate Action Pledge**



NGN is a member of the Yorkshire and Humber Climate Commission, a representative independent advisory body set up to bring the public, private and third sectors together to accelerate climate resilient, net-zero development across the region through an inclusive and just transition.

The Commission was established with funding from NGN and other regional organisations, and includes a main Commission, working groups on net zero and climate resilience, a range of panels and a secretariat. NGN's Head of Environment and Sustainability, Neil Whalley, is one of its 41 Commissioners.

One of the Commission's key initiatives is the Climate Pledge which is a simple commitment to take action on climate and nature demonstrating commitment to making a positive difference.

To date over 50 organisations have signed the Pledge, including NGN, and we encourage organisations with a Yorkshire footprint to consider whether they can sign the Pledge too.

Want to know more about NGN's climate change and sustainability commitments? See our People and Planet Strategy [here](#)

[Sign the pledge here](#)

Get involved!

**Save the date for our annual  
online stakeholder conference!**

Last year, we held our first online stakeholder conference where we set out to give our stakeholders the opportunity to see the impact of their engagement over the year, the progress we've made on our commitments, and to understand objective observations from the CEG. We also wanted to create an opportunity to recheck our direction and focus with our stakeholders, giving us the confidence that our strategic direction and plans are still in line with their thinking.

**This year, we will be hosting our Annual Stakeholder conference on Thursday 14th September 2023.**

The conference will comprise a series of conversations with senior personnel at Northern Gas Networks, along with industry experts and representatives of our Customer Engagement Group, followed by interactive discussion sessions where your feedback will help to inform our strategic direction and future areas of focus.

This online workshop will aim to seek your views on how we can address challenges across multiple key areas. Further information will follow in due course, but in the meantime you can read last year's report below:

**Read our report**

**Get in touch...**

If you have any feedback about this e-bulletin or any questions about our work, we'd love to hear from you.

Just email [stakeholder@northerngas.co.uk](mailto:stakeholder@northerngas.co.uk)

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