

# Green Gas and Heat Policy Outlook for 2024



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# Green Gas Workstreams 2024



## Biomethane

Issued a Call for Evidence 17<sup>th</sup> May on options for supporting biomethane production in Northern Ireland and in review we will **consider** next steps with DAERA towards policy in this area.



## Hydrogen

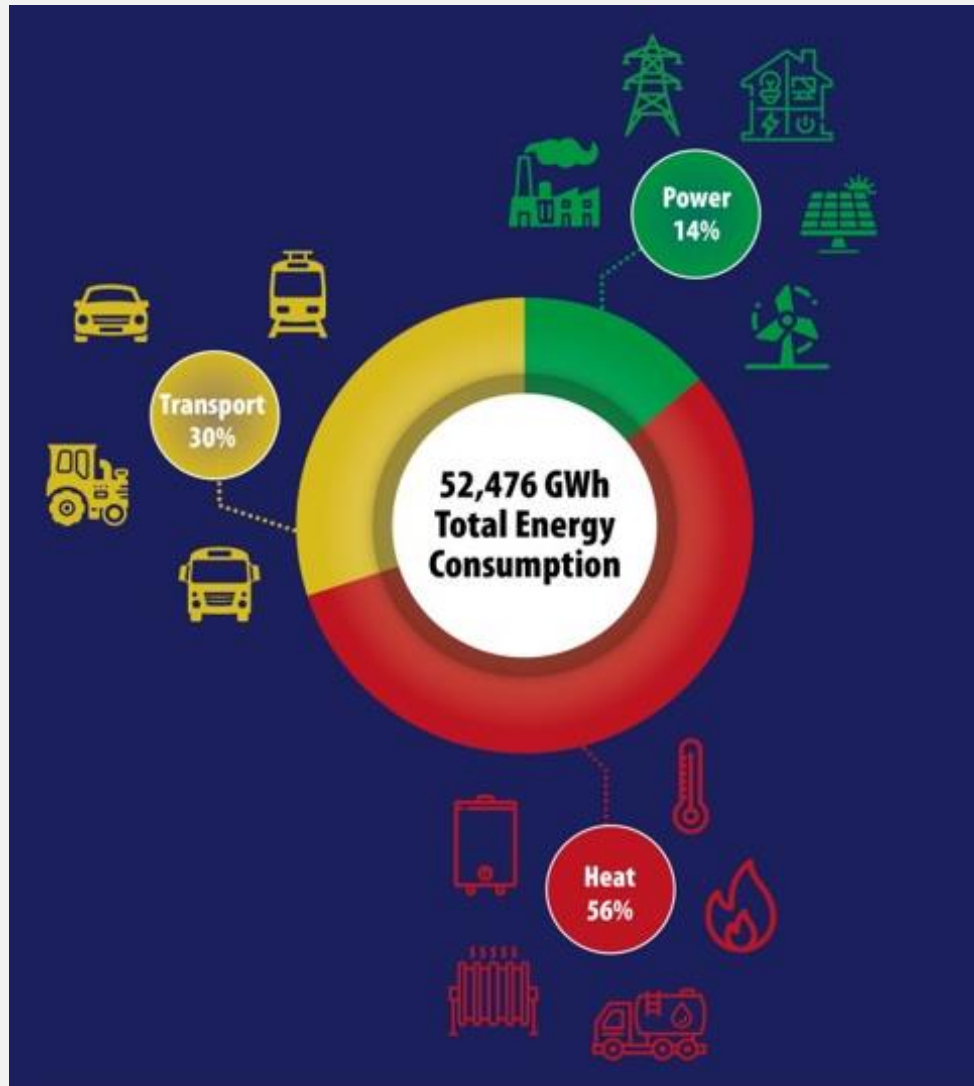
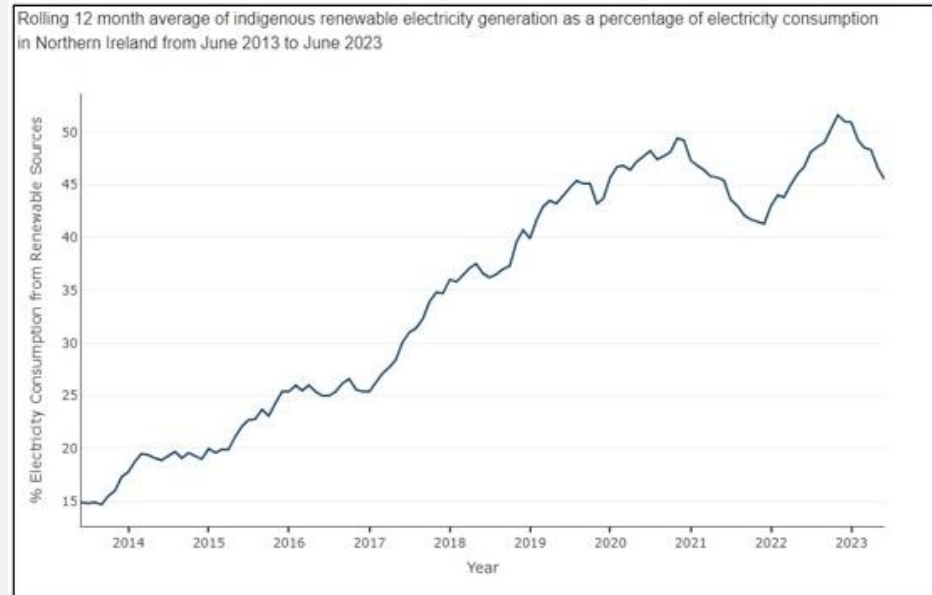
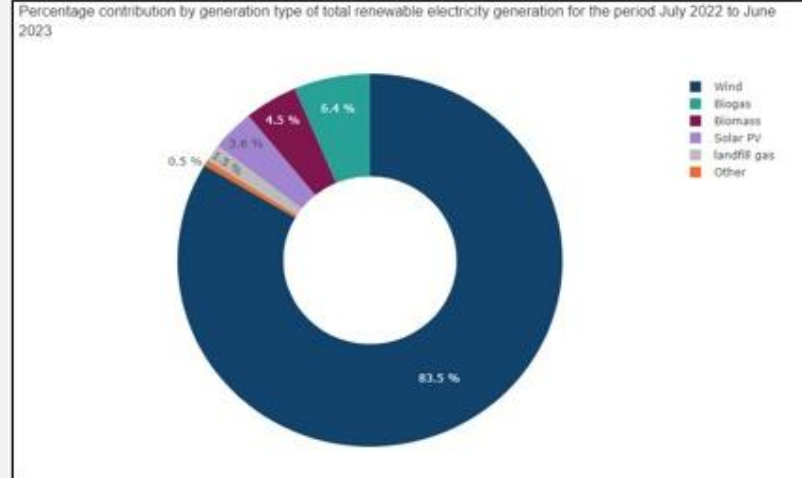
Deliver a policy setting a **vision** for Northern Ireland to become leaders in an innovative regional **hydrogen economy**, working to create **jobs and wealth**, whilst simultaneously contributing to our target of **net zero** greenhouse gas emissions by 2050.



## Gas Network Optimisation

With the UR, develop the vision for how the gas network may be optimized and **decarbonised** in an **affordable secure** way for the consumer and support the Gas Network Operators to deliver.

# Why Hydrogen?



# Hydrogen



Publish consultation

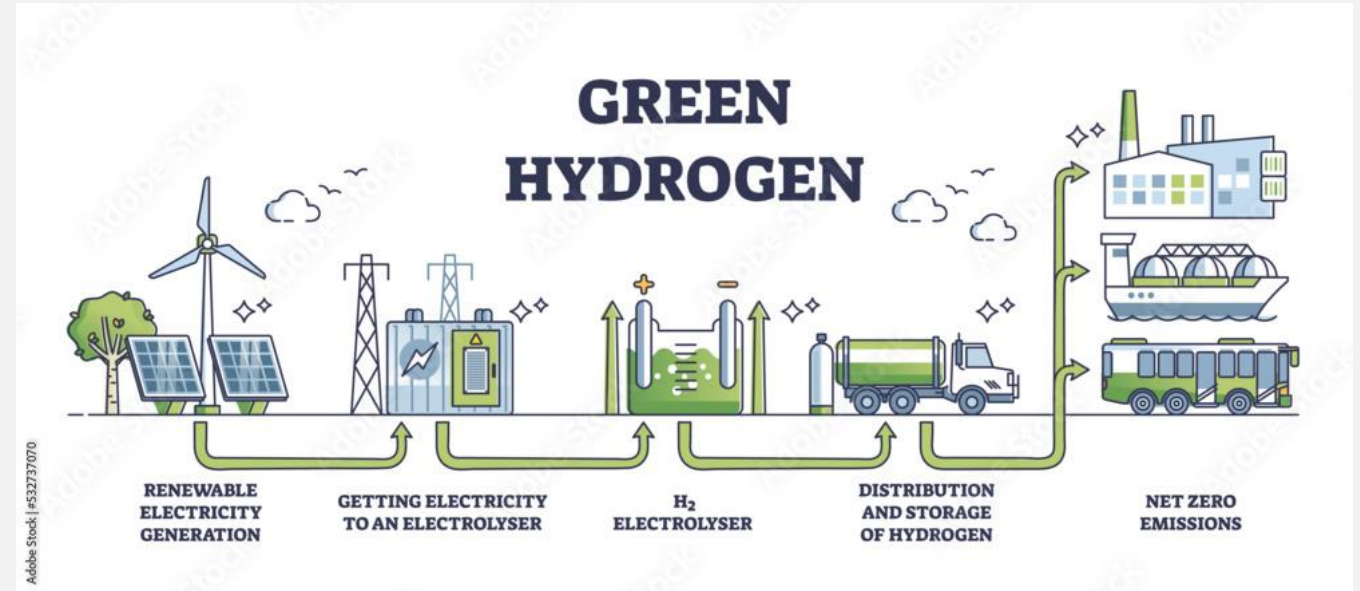
Consultation considers:



- UK, Ireland and EU Policy Context
- Production
- Storage
- Transport
- End Users
- Safety and Regulation



- During consultation stage, the Department will be keen to hear from industry and welcome responses from all interested parties.
- Will engage stakeholder workshops during consultation period.



# Hydrogen derivatives - SAF

Most recent data details that UK aviation used 9.6m tonnes of fuel in 2022 producing 29.3Mt of carbon emissions carrying over 224million passengers to and from UK airports.



- UK aviation policy is led by DfT – Jet Zero Strategy.
- Mandate in place with a target of at least 10% SAF by 2030
- UK domestic flights to reach net zero emissions by 2040
- Net zero UK aviation emissions by 2050



- **Opportunity** to produce SAF in Northern Ireland derived from green hydrogen from wind power and biogenic carbon from cleaning biogas to biomethane.
- **Opportunity** for Northern Ireland companies to develop the technology to support this.
- DfE commissioned research in this area and is publicly available.
- DfE intends to develop a call for evidence on **eFuels** followed by a consultation and final policy paper.

# Green Transport Corridor

Collaborative development between DfE and DoT supported by D/Taoiseach and the North South Ministerial Council to produce a feasibility study for a green transport corridor with hydrogen refuelling facilities in Belfast and Dublin.



- Objective to deliver large-scale capital investment in a demonstrator project on an all-island basis.
- Focused on green hydrogen refueling.
- Location - Dublin Inland Port / Belfast Port.
- Fuel HGVs/LGVs & passenger cars.
- Potentially funded by Shared Island Initiative.

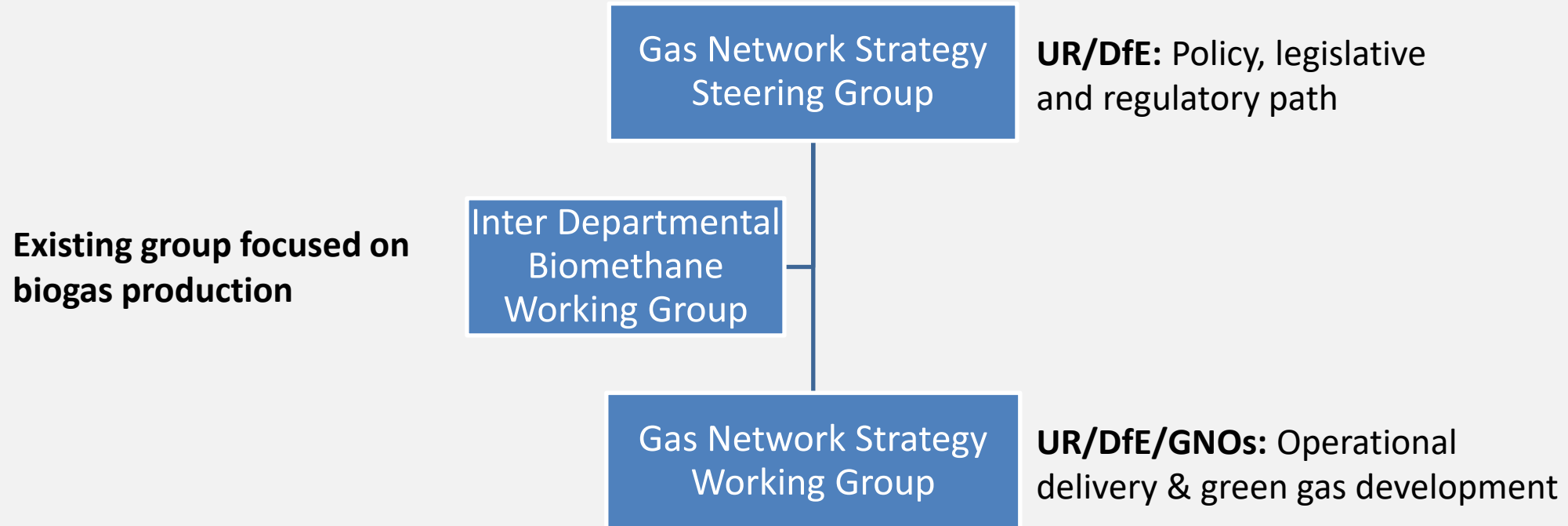


- **Phase 1** – Safety study/regulation of an HRS- **complete**
- **Phase 2** – Feasibility for Green Corridor – **complete**
- **Phase 3** – SIF application for North/South HRS – 2024/25.



# Gas Network Strategy Steering Group

Commenced Feb 2024



**Initial objective** – Strategic mapping exercise, what gas flows where now, best place to inject for impact and what does the future blending composition of gas look like, by when?

# Call for evidence on Renewable Liquid Fuels (Biofuels) for Heat Q3 2024



HVO / Bio LPG



Understand the potential role of renewable liquid fuels in heat



Explore transition pathways for older less energy efficient homes



Stakeholder engagement – OFTEC, UKIFDA, Calor Gas, Flo-Gas, DESNZ

# Low Carbon Heat Scheme Consultation Q3 2024



Obtain the public's views on a domestic new low carbon heat support mechanism



Gauge and improve public awareness in relation to low carbon heating



Engage with the local renewable heating industry



# DfE Energy Group - Recent Consultations



Department for the Economy  
www.economy-ni.gov.uk

## Onshore Petroleum Licensing Policy for Northern Ireland

CONSULTATION DOCUMENT

JANUARY 2024

The cover features a dark blue background with a white banner at the top containing the Department for the Economy logo and name. The main title is in large white font, and the subtitle "CONSULTATION DOCUMENT" is in a smaller white font below it. The date "JANUARY 2024" is at the bottom left.

Department for the Economy  
www.economy-ni.gov.uk

## Consultation on Offshore Renewable Energy Installation (OREI) Policy Options for Northern Ireland

December 2023

The cover features a dark blue background with a photograph of offshore wind turbines at sunset. A white banner at the top contains the Department for the Economy logo and name. The title is in white font, and the date "December 2023" is at the bottom right.

Department for the Economy  
www.economy-ni.gov.uk

## TRANSITIONING TO A NET ZERO ENERGY SYSTEM: CONSULTATION ON DESIGN CONSIDERATIONS FOR A NORTHERN IRELAND SMART SYSTEMS AND FLEXIBILITY PLAN

January 2024

The cover features a white background with a colorful illustration of a smart city and energy system. The illustration includes a sun, mountains, a bridge, a bus, a train, a boat, solar panels, and wind turbines. A white banner at the top contains the Department for the Economy logo and name. The title is in blue and white text, and the date "January 2024" is in a blue box at the bottom right.