



New distributed gas sources

Impact of distributed gas sources on gas networks

A range of new distributed gas sources like biomethane are set to be connected to the gas network in increasing numbers in coming years. These sources have a wide geographic distribution and very different characteristics.

They could have a significant impact on gas networks, while new commercial and regulatory arrangements may be necessary to support their growing use.

Distributed sources of gas are connected to gas networks in a number of countries and the UK gas networks want to understand international best practices, learn lessons from their introduction elsewhere and identify any existing barriers to their introduction.

The project will produce an evidence based requirements and strategic impact assessment for UK gas networks to better understand the implications of new distributed gas sources.



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Key Benefits

- Provide gas networks with a clear understanding of distributed gas sources developed from the knowledge gained in international markets.
- Support investment planning decisions which will provide long term savings to our customers.
- Develop understanding on which area gas networks would best focus resources in developing financial models to support introduction of distributed gas sources.

Next Steps

- Modelling will produce a set of network and source examples and a set of interventions that can potentially increase the capacity to accommodate injected gas.
- Explore how cost-effective and efficient interventions are under different source deployment scenarios.
- A detailed study of the technical, commercial and regulatory barriers to injection of distributed gas sources, in order to identify recommendations for customers, gas networks, Ofgem and other stakeholders.

