



1Energy
Rotherham
Energy Network
Case Study

Project Dates:

Aug 2023 - Apr 2024

Ener-Vate Product:

CONNECT

Client Type:

Private Sector - Heat Network Developer

Case Study Type:

Business Development / Stakeholder Engagement / Heat Mapping

The Project

Rotherham Energy Network is a low-carbon district heat network being developed by 1Energy in Rotherham town centre. The Rotherham Energy Network's development and delivery is funded partly through the Green Heat Network Fund (GHNF), a source of grant funding from the Department for Energy Security and Net Zero (DESNZ), and partly through private investment from 1Energy. Due to be operational in 2027, the network will deliver heat to commercial, public and domestic customers. The scheme will capture waste heat from Templeborough Biomass Power Plant, this heat will be upgraded through a water source heat pump system to a suitable temperature for surrounding buildings.

Ener-Vate has been supporting 1Energy in the development and expansion of the network since August 2023. Our primary role is to facilitate and progress any new enquiries, provide commercial support and expertise, request and collate technical/commercial information from potential customers, drafting of connection proposals and Heads of Terms, and commercial support in negotiations of the connection and heat supply agreements.

In contrast to Leeds PIPES and Manchester Energy Network, which are live and operational heat networks, Rotherham Energy Network is still in commercialisation and development – as such our support is reflective of the stage of the network and we have provided commercial advice to develop the sales strategy, process and collateral documents in collaboration with 1Energy and support in heat mapping exercises to determine any potential additional customers.

The logo for 1Energy, featuring a stylized '1' with a green leaf-like shape inside it, followed by the word 'energy' in a dark blue, lowercase sans-serif font.

We have hosted comparator workshops in Rotherham to help educate and inform potential customers who have no or little prior experience of heat networks. Feedback of the sessions have been positive, and stakeholders are grateful for the in-depth and open-book nature of the workshops to reach a position in which both parties are in agreement with the outputs of the model.

Our Role

The main task undertaken in this project were:

- Supporting heat mapping exercises to identify potential customers.
- Providing commercial advice to develop the sales strategy.
- Collaborating with 1Energy to create process and collateral documents.
- Facilitating and progressing new enquiries from potential customers.
- Requesting and collating technical/commercial information.
- Developing and building a 'counterfactual model' to calculate carbon and commercial savings, modifying the model to align with Rotherham Energy Network's branding and bespoke commercial requirements.
- Including complex mechanics for technical and commercial elements, flexible model terms, inflation assumptions, and comparison against counterfactual technologies.
- Hosting comparator workshops in Rotherham to educate potential customers about heat networks.