Using demographics data analytics to aid decision making alongside asset date in the net zero transition

EIP053

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Background

Networks have embarked on digitisation strategies to share asset data to aid the UK energy transition.

How can we use demographic data analytics along side asset data to support programmes of works, and to assist the planning of projects to improve the experience of the customer and communities.

The data is the enabler, the innovation here is how we use the data to drive decision making to protect all customers during our core work (gas emergencies, planned work and replacement, connections) and in the transition

Enablers and Constraints

Demographics data is available from many sources and with updated dataset sets from the 2021 census becoming available, timing is right to identify and utilise the applicable datasets.

Data should be freely available as a principal and overlaid with asset data to allow spatial analysis

- Previous experience if trying to match data from multiple spreadsheets to project areas has proved complicated and hence not well adopted
- Preference would be to hold data in GDN core systems rather than on a hosted platform

Involvement and Implementation

Key Stakeholders:

- *Gas and Electricity Networks*

- *Domestic customers – particular those in vulnerable situations*

- *Small and medium businesses*

- *Housing associations and private landlords*

- *Local Authorities, health organisations, local resilience forums*

- *Consumer groups*

Net zero would impact all homes and businesses in the UK

The data and analytics would be used immediately

Demographic data analytics