



## **Enfield Council to feature England's largest district ground source system**

Enfield's retrofit project to install ground source heat pumps for 400 flats is well underway. Enfield, in partnership with ENGIE, is retrofitting eight tower blocks in the borough with Shoebox heat pumps and connecting them to the largest collection of district arrays of its kind.

The district ground source heat network will feature 16 shared ground loop systems, serving eight tower blocks in Enfield. Each system will typically consist of clusters of eight boreholes serving individual heat pumps installed within the flats.

Ground source heat pumps provide several benefits including substantial carbon savings, lower energy bills and reduced maintenance costs. By using communal ground arrays operating at a low temperature, they are able to maximise efficiency as there are no distribution losses. Residents can choose their own preferred energy suppliers to access the best available tariffs. The heating upgrade is expected to result in residents' energy bills reducing by 30-50%.



The project, due for completion in October 2018, has been funded through the Energy Company Obligation (ECO) scheme and the Non-Domestic Renewable Heat Incentive (RHI). The scheme for non-domestic buildings can be used because it is a communal system. With running costs minimised and income maximised, the project will be self-funded over a 20-year period.

RE:NEW supported Enfield Council with the procurement of this project which will enable 400 residents to benefit from a ground-breaking heating system for years to come. The team reviewed the technical responses from the tenderers and their sub-contractors, including their proposed design solution, relevant experience, attention to detail and overall quality of response.

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