Greater Manchester Combined Authority

Live sewer surveys

5 locations assessed

3 sites taken forward

Recirc Energy Ltd was commissioned by AECOM to deliver a major sewer heat recovery study across Greater Manchester. As part of the DESNZ Decarbonisation and **Advanced Zoning Programme (AZP)**, Recirc conducted **12-month sewer energy surveys at five priority sites**: Oldham, Bolton, Trafford, Stockport, and Rochdale.

Recirc Energy identified suitable sewer locations and installed monitoring equipment capable of recording key parameters: flow depth, velocity, and wastewater temperature. These data points were essential to **assessing the heat potential available at each location**.

The team managed all aspects of project delivery, including equipment selection, installation. This involved securing permits from United Utilities, preparing risk assessments and method statements, and conducting sewer condition surveys (STC25s) at each site.

After one to three months of data collection, Recirc provided interim reports detailing initial heat abstraction estimates. The analysis used **Recirc's proprietary Excel-based modelling tool to determine the potential recoverable heat**.. These findings were supplied to AECOM to support their broader techno-economic modelling (TEM).

This work established clear evidence that three of the five sites — Bolton, Trafford, and Stockport — could support viable sewer heat recovery schemes. Rochdale is also under strong consideration to proceed.

Several of these projects are **now progressing through commercialisation and procurement** phases.

Recirc Energy's growing expertise in sewer flow and temperature monitoring has positioned it as a leader in wastewater heat recovery. The company continues to invest in technology and deliver actionable insights for low-carbon heat solutions.

Interested in unlocking low-carbon heat from your local sewer network?

Contact Recirc Energy to explore your low-carbon options:

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