London’s first Energy from Waste district heating network

Ian Smith

Head of Sustainable Services

London Borough of Southwark
• Why

• How

• What

• Hurdles we’ve faced along the way
Why

• Strong local and regional planning framework ensuring development of renewable solutions

• S.106 agreement, attached to new waste facility, for development of a community heating network
Why

• Southwark’s new waste facility
Why

• Commitments from our Carbon Reduction Strategy

• Reduce carbon dioxide emissions across the borough by 80% by 2050

• In the shorter term, reduce emissions from the council housing stock by 15% by 2022, and help to reduce fuel poverty
Why

- Golden opportunity right on our doorstep
Locations of estates benefiting

Location of SELCHP
Why

Established waste PFI relationship already in place with SELCHP operator Veolia
How

It's not easy being green.
How

- Project Team covering all aspects:
How

It was complicated!
What

• Primary pipe network from SELCHP to five estates
What

- Heat hall equipment installation underway
What

Pumps ready for connection
What

Using SELCHP to distribute heat to local estates is expected to reduce emissions by the equivalent of 7,716 tonnes of CO₂ per annum.

This is far more than the total annual carbon emissions of the new waste facility...
Hurdles met along the way
Hurdles met along the way

• Getting high-level buy in

• Overcoming scepticism
Hurdles met along the way

Crossrail construction
Hurdles met along the way

- Required changes to pipe routes and design
Hurdles met along the way
Hurdles met along the way

Connecting new to old
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