



London's first Energy from Waste district heating network

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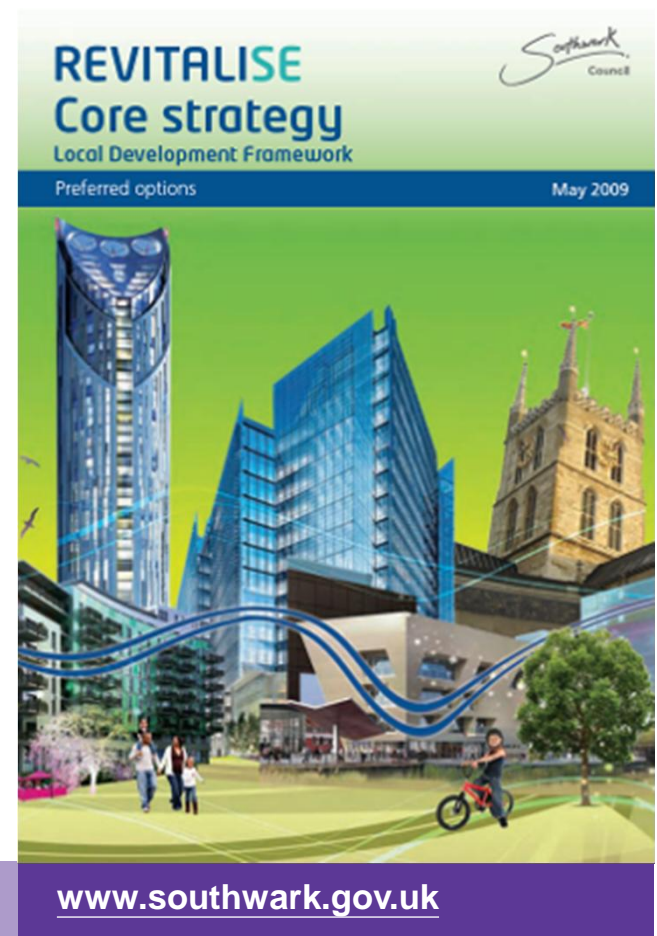
London Borough of Southwark



- **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

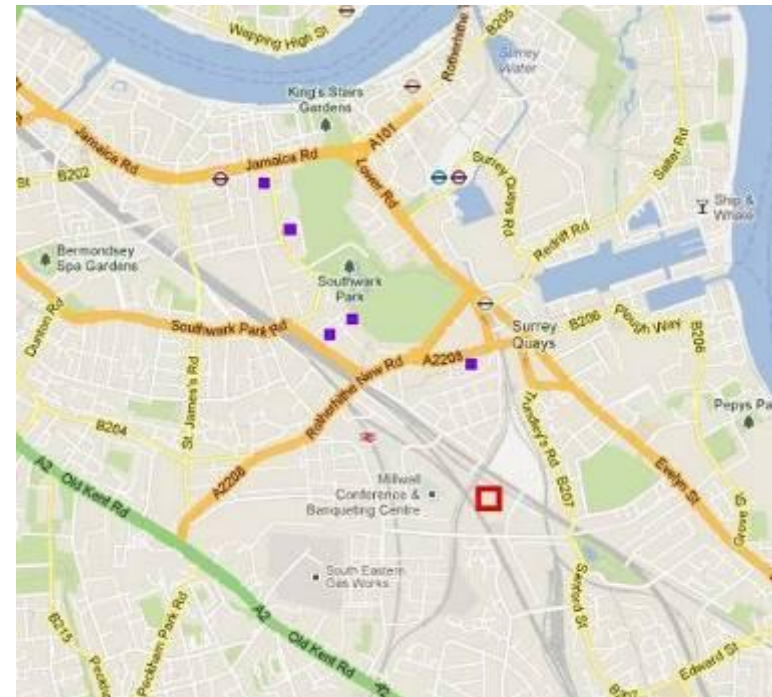


Why



- 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

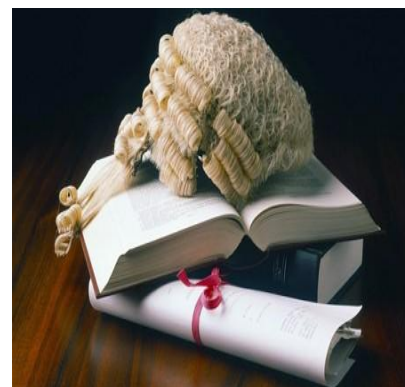


How

- Project Team covering all aspects:



Chief
executive's
department



Children's
and adults'
services

Environment
and leisure

Finance and
corporate
services

Housing and
community
services



How



It was complicated!



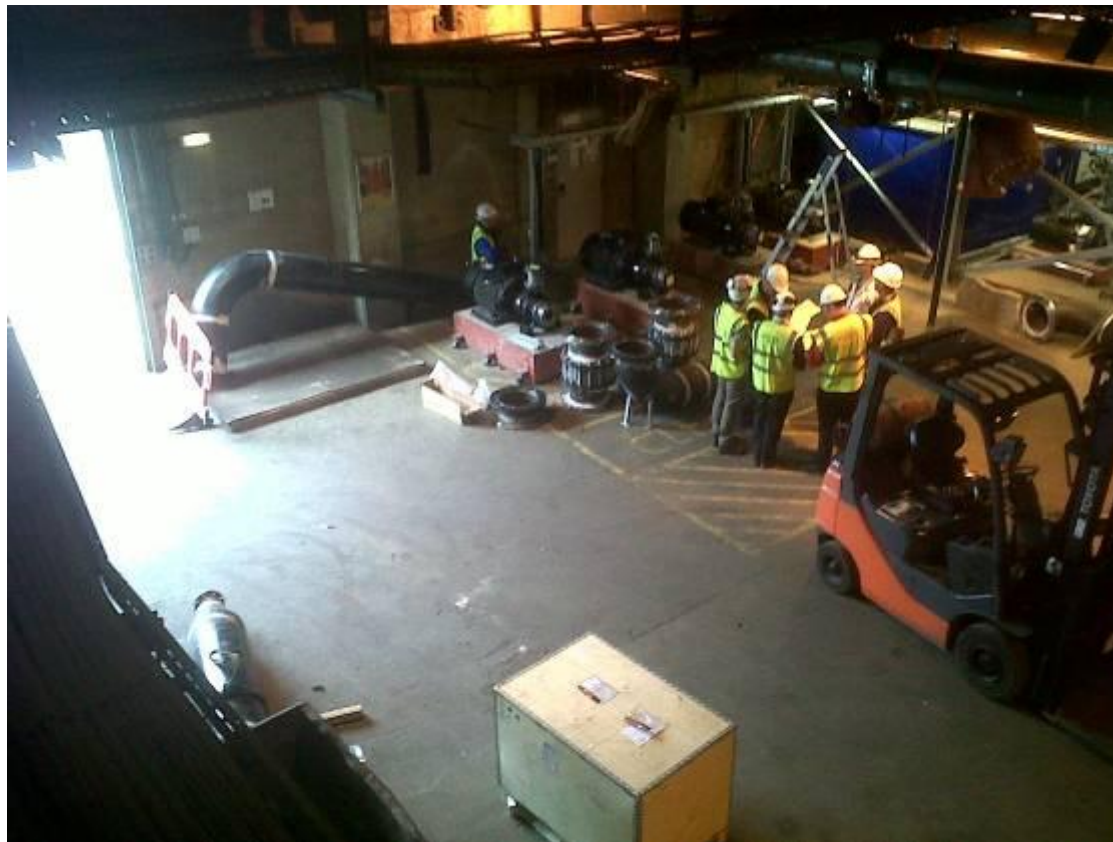
What

- Primary pipe network from SELCHP to five estates



What

- Heat hall equipment installation underway



What



What

Pumps ready for connection

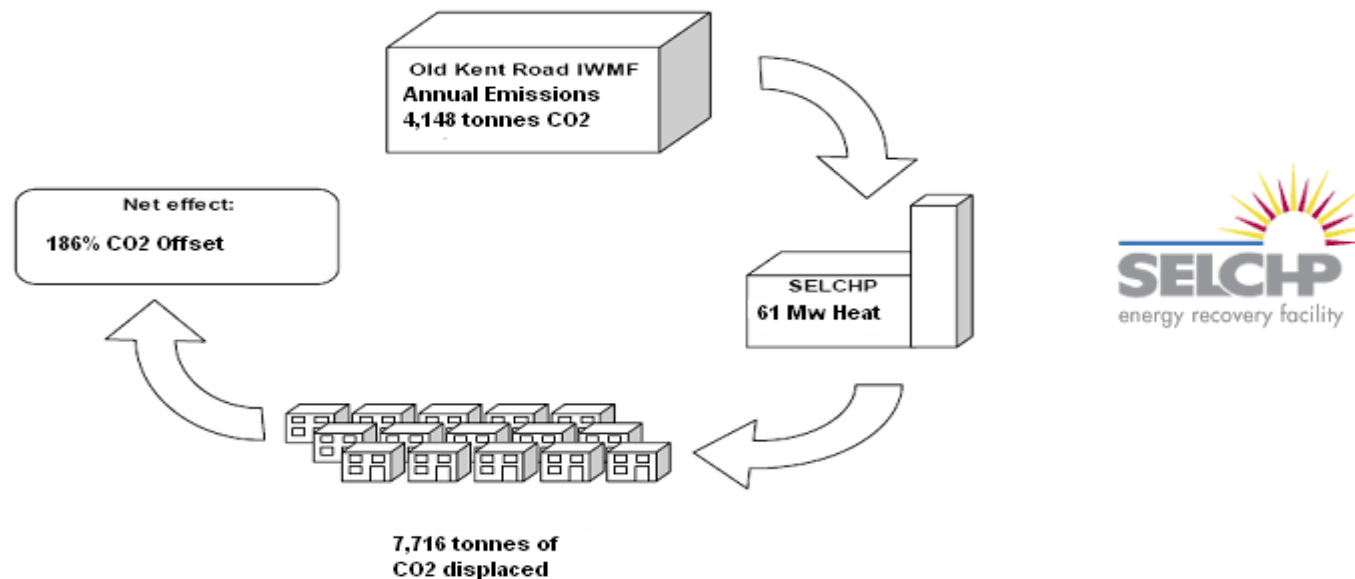


What



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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