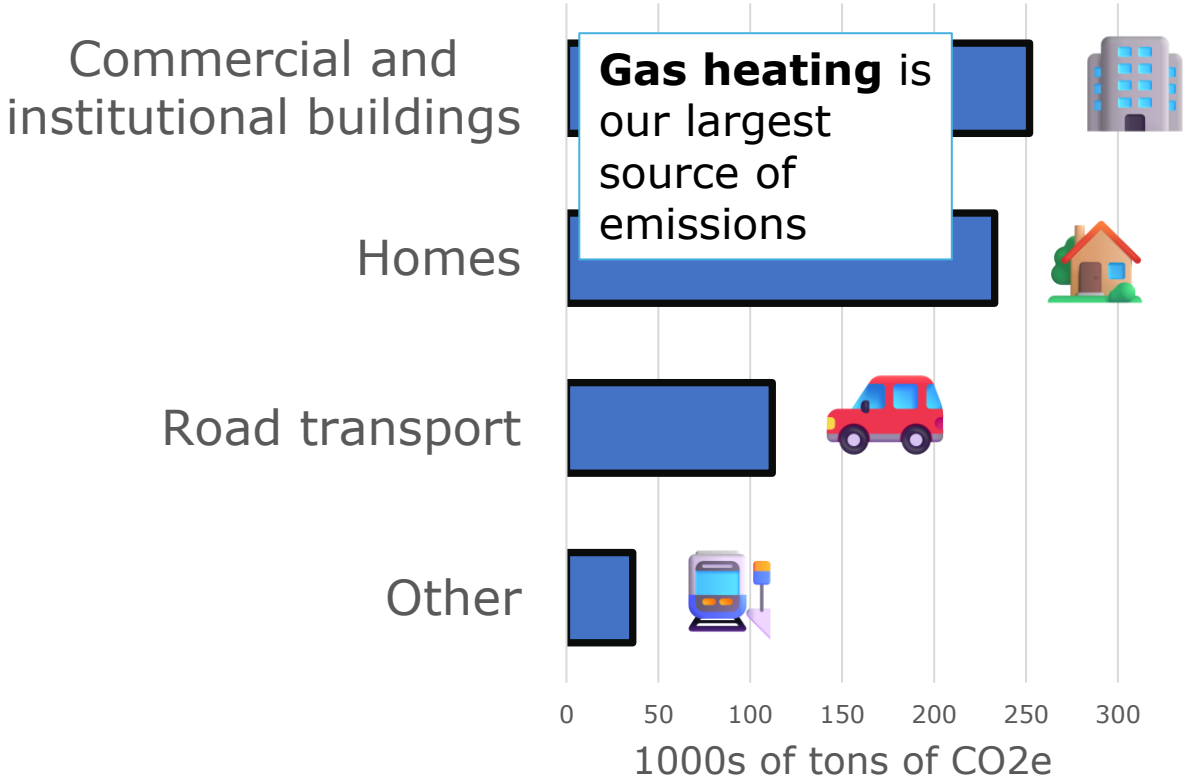
H&F Clean Energy Transition

Tim Pryce and Meghan Kingsley-Walsh, 24 September 2025

Where do emissions come from in H&F?

H&F's main footprint is caused by **energy used in buildings.** H&F Council has varying degrees of influence over these.



The net zero energy goal is therefore a key component of the H&F Climate & Ecology strategy

Homes, Buildings and Energy

How we construct, heat and power our built environment.

Travel

How we move around.

Things we use

What we buy, use and dispose of.

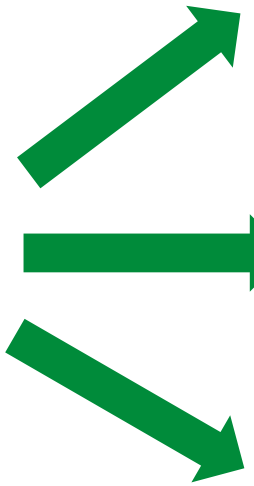
Ecology

How we make space for nature.

Adapting to climate change

How we make ourselves resilient to the changes happening.

Plan and initiate a transition to zero carbon energy with a goal of net zero by 2030



Reduce energy waste

Decarbonise heat sources

100% renewable electricity

H&F Corporate Assets roadmap

Reduce energy waste – H&F assets

Civic Campus heat network - serving 200 homes, Town Hall, offices using the London aquifer - £2.5m grant

Air Source Heat Pumps on buildings including children's centres and the Mortuary.

Low Energy lighting installed in 29 corporate buildings and streetlights

Solar panels on Normand Croft and Jack Tizard

Now

Solar panels planned for Avonmore and William Morris rebuilds and exploring more schools and academies

School Decarbonisation Strategy for all maintained schools

4 schools and ~10 corporate buildings installing heat pumps through £5.5m govt grant

Completion 2026

H&F Social housing roadmap

Reduce energy waste – H&F assets

Social Housing Retrofit Strategy

390 tCo2 pa

546 homes' have had energy efficiency works in last 2 years…

33 tCo2 pa

Energiesprong pilot 11 homes

Now

516 homes treated over next 3 years through **Warm Homes SHF** , cost £4.7m with £5.6m housing capital match funding

… Including 5 tower blocks in West Kensington estate and hybrid heat pumps in 10 estates

MEES EPC C compliance by 2030

Clean heat networks Bayonne and White City (currently at feasibility)

Reduce energy waste – wider borough

H&F Healthy Homes: cutting through confusion to reduce energy bills and carbon emissions

H&F Healthy Homes website

- Info on measures, benefits, case studies
- Links to services to guide residents through retrofitting journeys

Hyper-localised engagement with the community, Wendell Park pilot

Fuel Poor residents

Free Groundwork service:

- Home visits
- Simple energy measures
- Phone consultations
- Grant application support

Owner-occupiers

New service building on 100 Retrofit Plans:

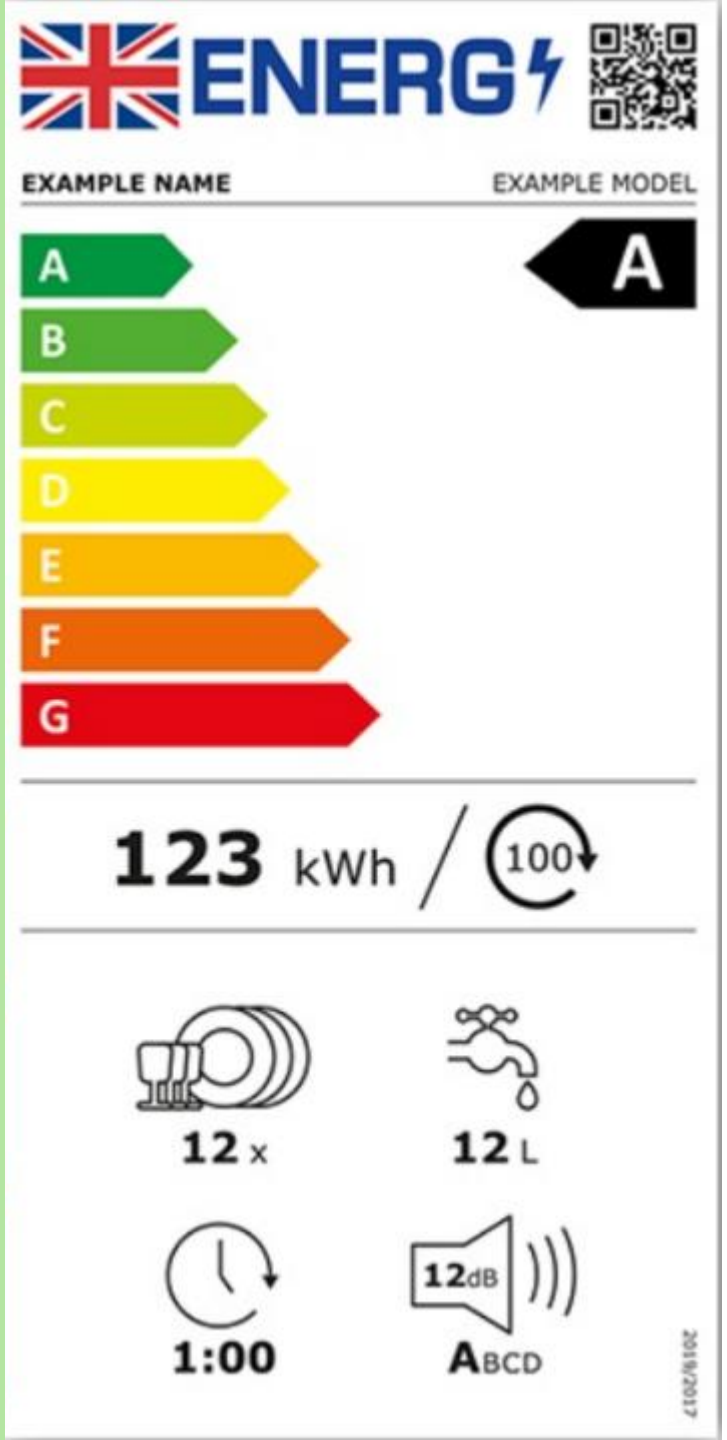
- Home assessments
- Appoint installers
- Finance
- Energy champions

Private renters

Additional information:

- MEES for rented homes
- Simple energy measures
- Grants and advice

H&F Healthy Homes



Other programmes to reduce energy waste and emissions across H&F

- **H&F Climate Alliance** -the borough's network for businesses and organisations working together to take climate action
- **H&F Upstream London Industrial Strategy** climate tech/ STEM businesses & White City Innovation District
- **Planning policy and advice –** free pre-planning advice for residents considering clean energy projects
- **Developing heat networks –** the cheapest way of decarbonising heat in large parts of H&F

02

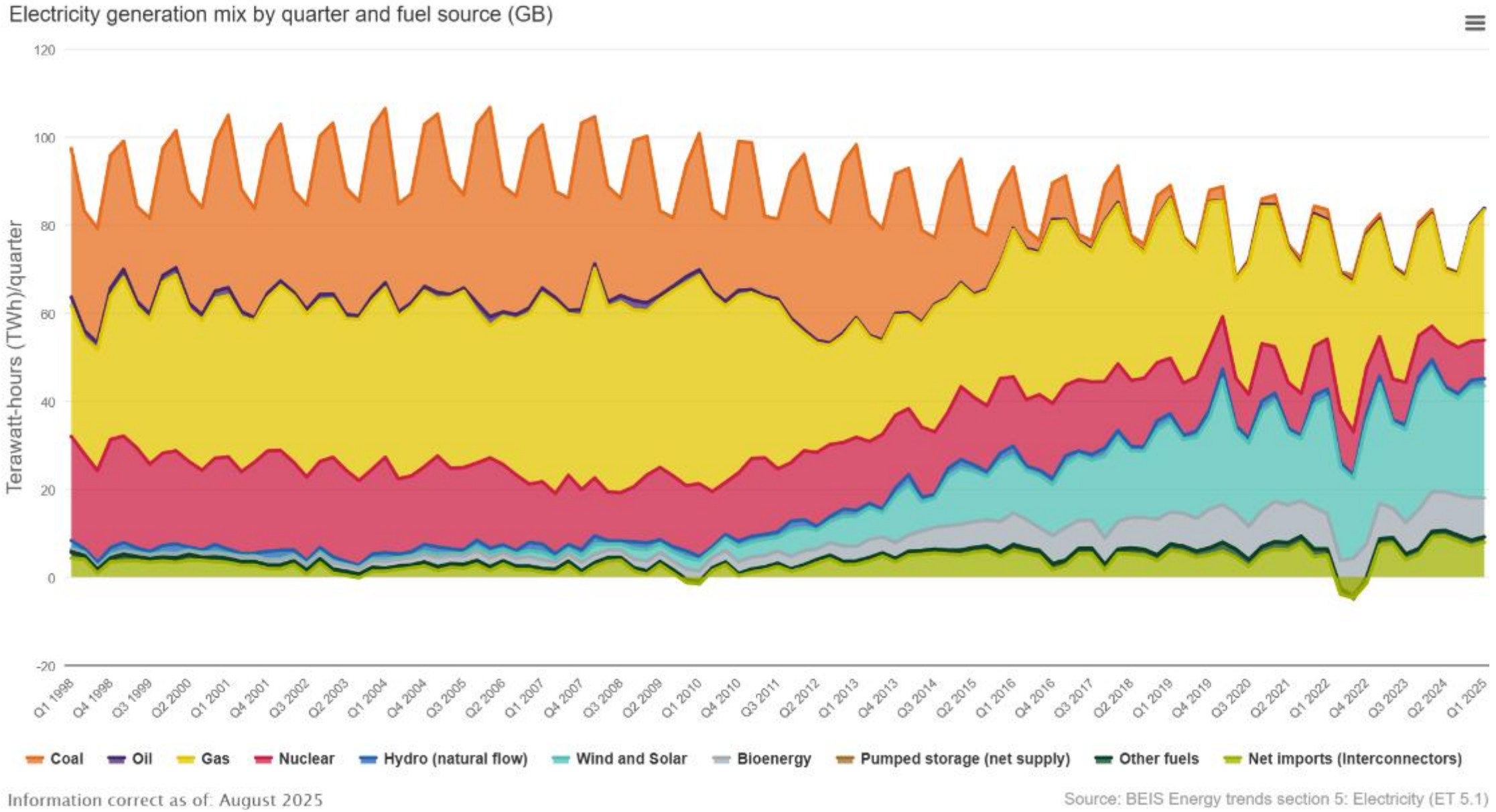
Decarbonise (i.e. electrify) heat

h&f hammersmith & fulham

Climate Action Together

Decarbonise Heat

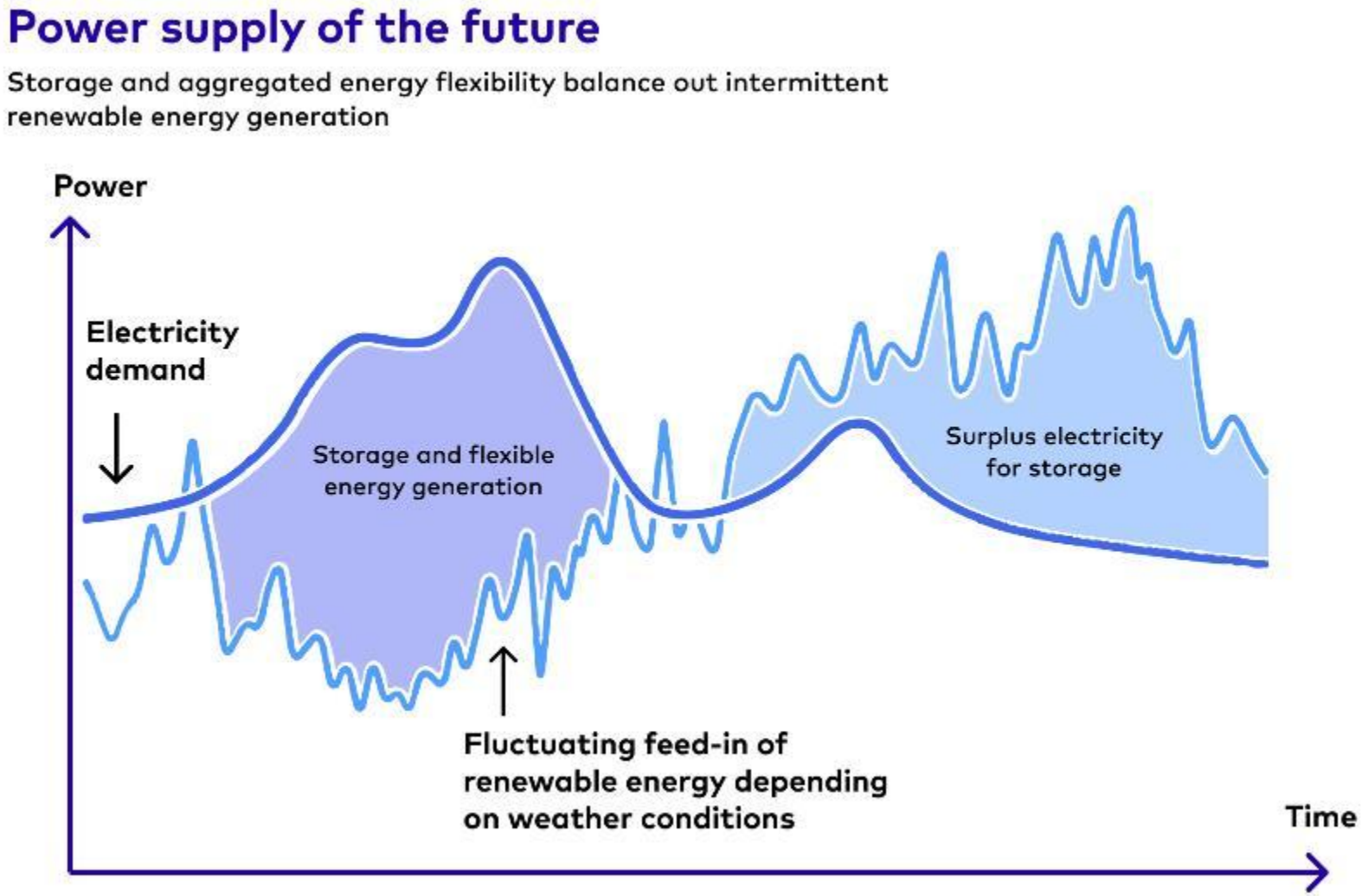
Why should we electrify heat?



Information correct as of: August 2025

Source: BEIS Energy trends section 5: Electricity (ET 5.1)

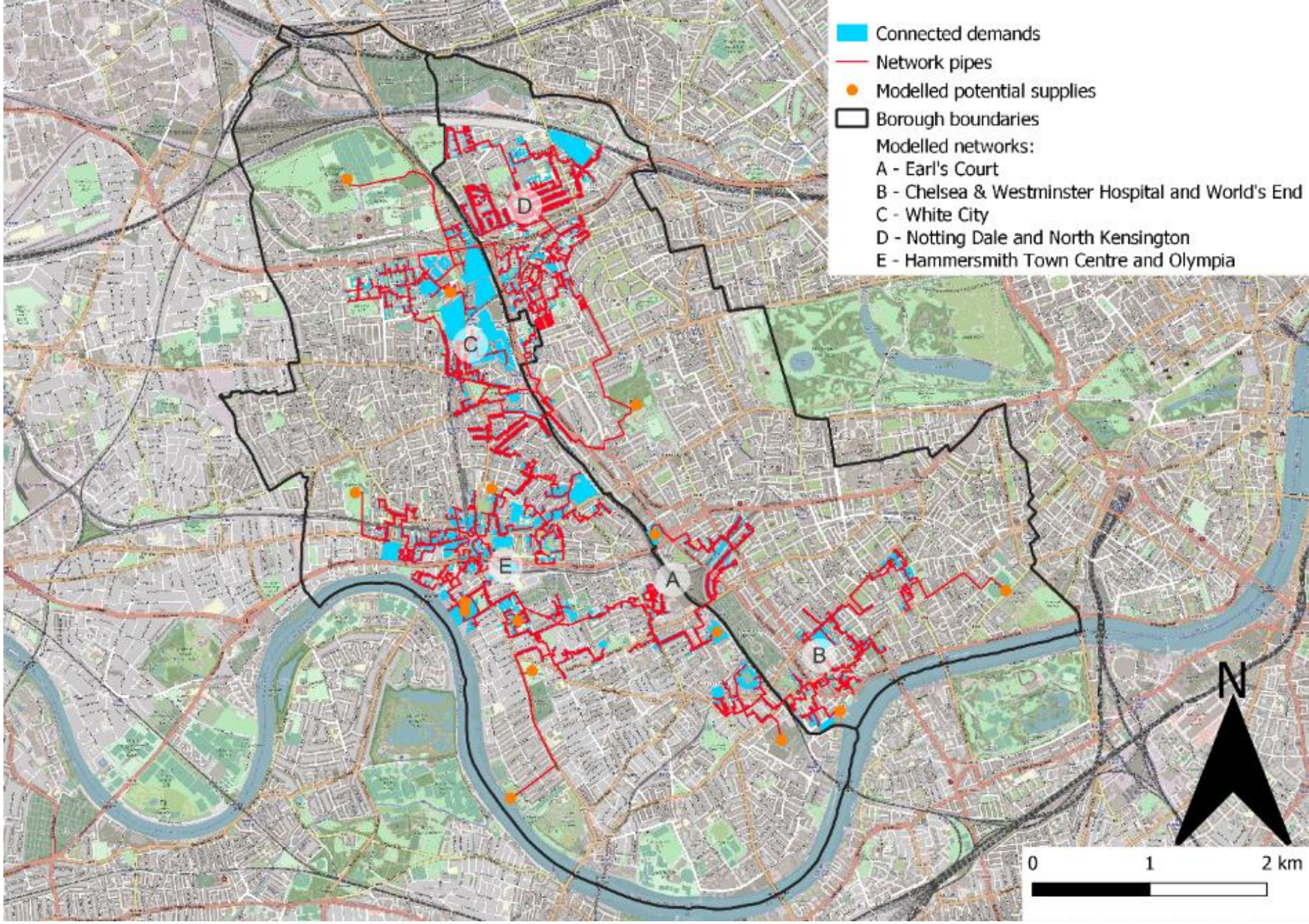
Benefits of electrifying heat



Decarbonise Heat

Cross-borough Energy Masterplan: potential heat networks

A. Earl's Court
B. World's End, with Stamford Bridge
C. White City
D. Notting Dale and North Kensington
E. Hammersmith Town Centre and Olympia
F. ....plus OPDC, ECDC, heat network zoning



https://www.lbhf.gov.uk/environment/climate-and-ecological-emergency/cross-borough-energy-masterplan

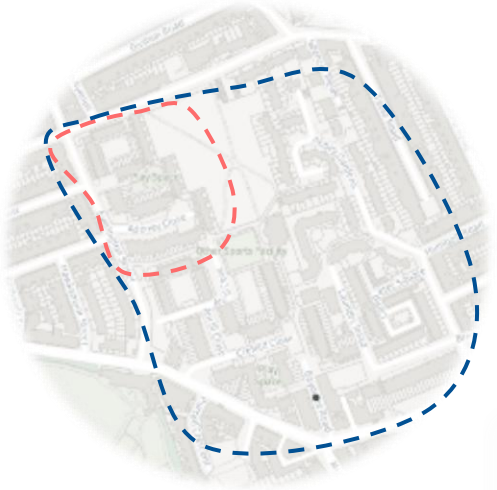
Clean heat is a strategic opportunity in H&F

The cheapest way to decarbonise heat is often an area-based approach.
Heat networks can unlock this in H&F

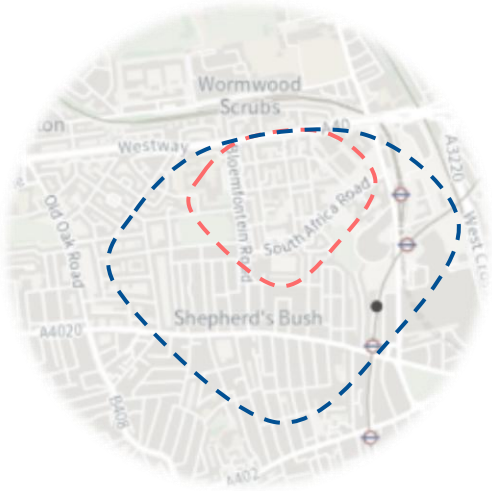
Heat Networks are:

Supported by UK government – Heat network zoning regulations expected 2026
Proven to work – 66% of Danish homes connected to district heating systems
Create jobs and growth – heat networks could generate hundreds of new jobs in H&F
Investable – positive returns on investment, links to Industrial Strategy

Current Work:



Bayonne & Margravine
354 housing buildings, hospital, schools



White City area
1385 homes, university

Exploring GLA and government grants to grow this work

CIVIC CAMPUS

Civic Campus energy network

- Restoration and extension of Town Hall, 204 new homes across 3 new blocks (over 50% affordable housing), cinema, offices, retail, concert hall, cafes and restaurants

- West King Street Renewal District Heat Network supplying heating and cooling across the site from the London Aquifer. £2.5m grant won from DESNZ, £5.5m for net zero heat in 14 other H&F buildings.

Free heat from under H&F

- The system uses two 136m deep water wells to draw water out of the underlying Thames aquifer
- These water wells are 0.4m in diameter
- The wells are drilled through London geology of clay and mudstone to reach chalk, which chalk contains an abundance of groundwater
- This is an innovative project with huge potential for replication elsewhere in London.

London Eye = 135m tall!

Decarbonise Heat

- The system will produce 600kW, 60 times the heating of a standard house, using heat from the boreholes with almost no pollution or emissions.
- The system is extremely efficient as it can heat and cool different buildings at the same time, combining the energy.
- This will mean occupants get the benefits of clean energy with affordable bills.

Decarbonise Heat

Earls Court energy network

Peter Runacres, Head of Urban Futures ECDC

03

100% renewable electricity

Unlocking solar in H&F

Energy supply

Potential barrier	Action taken to overcome
 High number of conservation areas	Exploring a new **Local Development Order to give Planning permission** to residents in conservation areas to install solar PV on roofs, within certain limits.
High proportion of flats 	Exploring models for putting **solar PV on flats and H&F social housing** in a way that enables occupants to share the benefits. Potential solutions include **Octopus** and **Emergent Energy**
Cost 	H&F Healthy Homes will **do solar campaign and connect residents to grants and finance providers.**

Energy supply

HFCE – Green Energy co-op

H&F set up H&F Community Energy in 2024, allowing residents to **invest from £50** in clean energy projects.

Independent community benefit society

How can H&F help this to **expand and accelerate**?

- Offer roofs – for example schools
- Engage Academies, businesses and churches
- Promote the **first Community Share offer** (launched June 2025)

Jack Tizard School

REPOWERING LONDON

Benefits residents – opportunity to invest in solar for everyone
Benefits council – reduces emissions with no upfront cost
Benefits schools – reduces energy bills