

Ground Source Heat Pump Association Webinar Series 2020

The UK Fiscal Background is preventing the adoption of heat pumps

Edward Thompson, ICAX Ltd

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Kwasi Kwarteng, Minister for Energy

A Swede is 35 times more likely to buy a heat pump than a Brit.

Because electricity is cheap in Sweden and gas is expensive.

UK imposes high taxes and levies on electricity which hinders the uptake of heat pumps.



Fiscal Background – Energy Prices

Chart 5.3 Industrial electricity prices

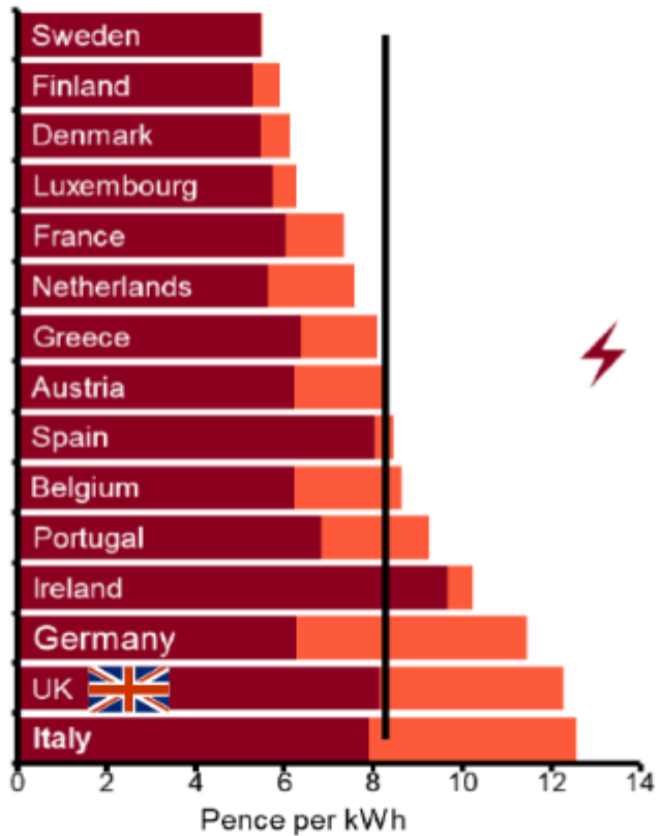
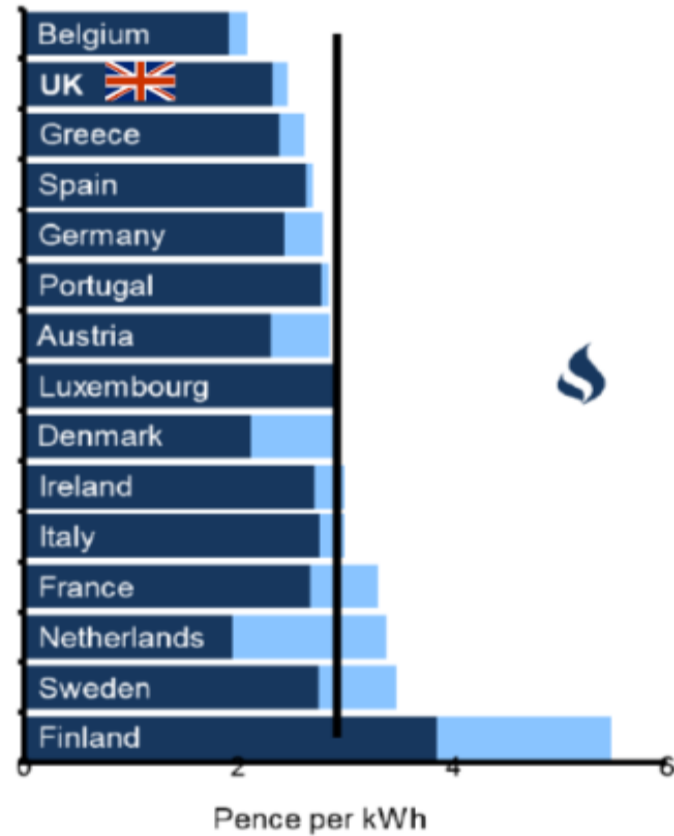


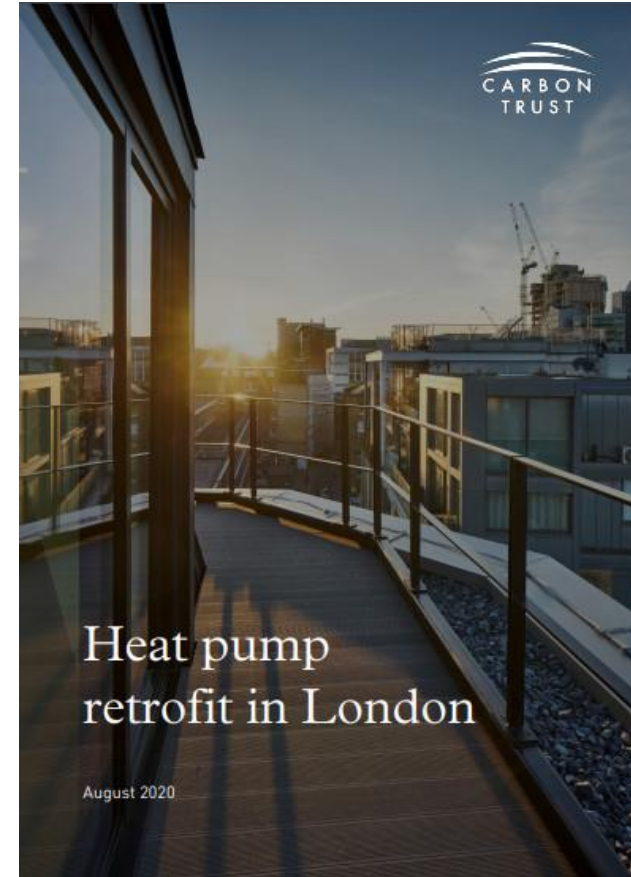
Chart 5.4 Industrial gas prices



Heat Pump Retrofit in London

London aims to be a net zero carbon city by 2030 and to have the best air quality of any major city.

28 London Boroughs have declared climate emergencies with over half committed to achieving net zero by 2030.



Heat Pump Retrofit in Southwark

- Experience with Balanced Energy Network
- Working with Southwark
- London Aquifer
- Hydrogeology experience
- Working with Environmental Agency
- Lower heat distribution temperatures
- High temperature heat pumps
- Controls in an integrated environment



Three community heated housing estates in Southwark:
Consort, Newington, Wyndham

Newington is predicted to save over 25,000 tonnes of CO_{2e} over 25 years

Water Source Heat Pump Retrofits elsewhere

- ▶ ICAX is well placed to advise on other large scale projects to save on carbon emissions in London or elsewhere
- ▶ And to deliver the retrofit installations
- ▶ Including high temperature heat pumps



Questions....

thank you
www.gshp.org.uk

Edward Thompson, ICAX Ltd
Edward.Thompson@gshp.org.uk