

Handsworth Wood Ward Meeting – Net Zero

May 2023

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BE BOLD BE BIRMINGHAM



Net Zero

- The climate emergency is mainly caused by carbon dioxide in the air which is a greenhouse gas so it makes the atmosphere heat up.
- This causes more extreme weather and rising sea levels due to ice sheets and glaciers melting
- Net Zero is reducing carbon emissions as far as possible in line with science based 1.5 degrees pathway with any remaining carbon emissions balanced with carbon offsets

Watch - Bristol Road South under water after heavy rain causes flooding across Birmingham

A section of the Bristol Road South in Longbridge is currently under water following heavy rain



Dramatic photos show the severe flooding in Birmingham

Shocking scenes in Harborne, Kings Heath, Quinton, Stirchley, Sutton Coldfield, Wolverhampton and beyond

What is the Council doing?

- Declared a climate emergency in 2019, with the aim to be at net zero by 2030, or as soon after as a just transition permits
- Set up a Programme Board to lead action
- Set up a Route to Zero team to support the Council to implement the actions needed



Birmingham Transport Plan Delivery Plan

- The vision for Birmingham's transport is for a sustainable, green, inclusive, go-anywhere network.
- Safe and healthy environments will make active travel – walking and cycling – the first choice for people making short journeys.
- A fully integrated, high quality public transport system will be the go-to choice for longer trips.
- A smart, innovative, carbon neutral and low emission network will support sustainable and inclusive economic growth, tackle climate change and promote the health and well-being of Birmingham's citizens.

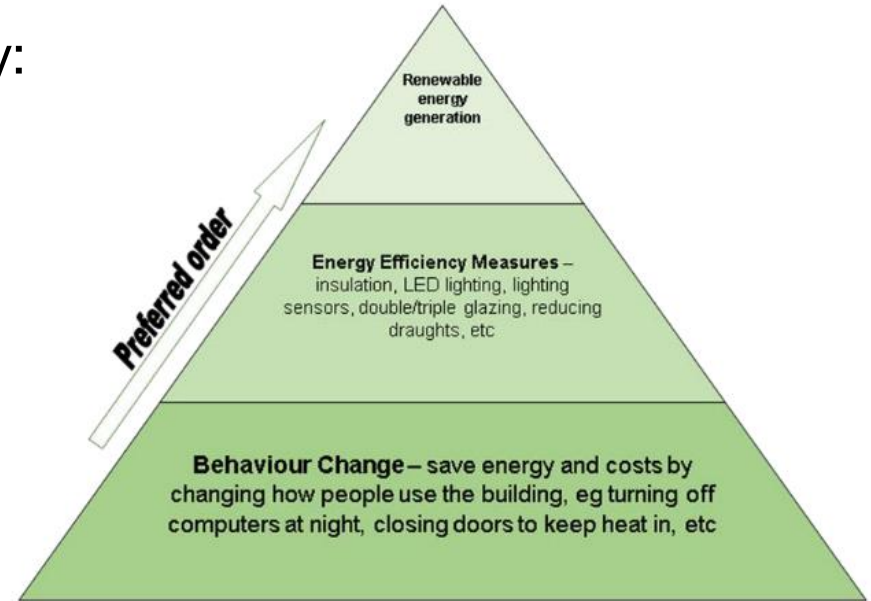
Housing

- Successful application to the Social Housing Decarbonisation Fund for thermal improvements on 2,076 Council owned homes
- Successful delivery of Sustainable Warmth scheme with 700 privately owned homes receiving thermal improvements
- Developing a Decarbonisation Strategy for all homes in the city



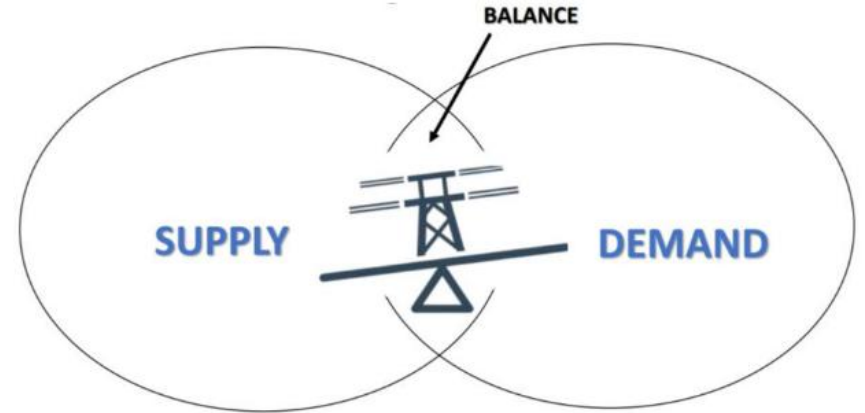
Retrofit your home

- Using less energy will save money:
 - Changing behaviours
 - More insulation
- Retrofitting
 - External wall insulation
 - Cavity wall insulation
 - Internal wall insulation
 - Underfloor insulation
 - Loft insulation
 - Double/triple glazing



Retrofit your home

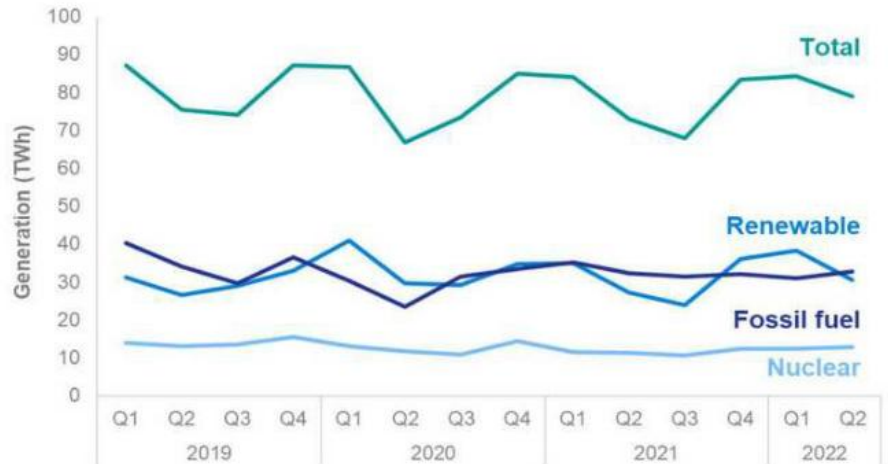
- ECO and ECO flex schemes (Great British Insulation Scheme)
- Boiler Upgrade Grant for heat pumps
- Possible solar pv group buying scheme
- Demand side response payments
- Smart water tanks
- Smart thermostats
- Solar photo voltaics – 15p/kWh into grid



Energy

- Birmingham is a pilot for heat network zoning
- Study on how to decarbonise the existing city centre district heat network
- Looking at Local Area Energy Planning
- Looking at how best to promote solar photo voltaic panels on buildings
- Tyseley Environmental Enterprise District established

Chart 5.2 Electricity generated, by fuel type ([Energy Trends table 5.1](#))



Involving people

- Developing an Engagement Strategy which may include a citizen's assembly, and other ways to involve residents
- Working with community groups to deliver retrofit and energy efficiency measures for those most in need
- Training council staff in carbon literacy (climate awareness)
- Green Champions scheme
- Training and talks for councillors





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