



**We have quoted a lot of different research in episode five of Which? investigates so if you want to do any more reading here are the links to all the articles we came across while doing our investigation.**

**This is a British summer... which means blistering temperatures one day, and then bloomin' cold wind and rain the next... Indeed the mercury reached 28.6 degrees C in West London a couple of weeks ago and now there are loads of flood alerts from heavy storms**

<https://www.theguardian.com/uk-news/2021/jun/14/uk-weather-hottest-day-year-so-far-temperature-heat-hrow>

<https://www.theguardian.com/uk-news/2021/jun/19/flood-alerts-in-england-after-months-worth-of-rain-falls-in-24-hours>

**And this is being experienced all round the world... just look at the recent heat waves in Canada, elsewhere there's increased sea ice loss and sea level rise, and where animals and plants are living on the planet is shifting.**

<https://climate.nasa.gov/effects/>

**A 20.19 white paper released by the government called 'Powering our Net Zero Future' - said that 90% of homes in England use fossil fuels for heating, cooking and hot water.**

[https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/945899/201216\\_BEIS\\_EWP\\_Command\\_Paper\\_Accessible.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/945899/201216_BEIS_EWP_Command_Paper_Accessible.pdf)

**According to a Which? Article from a few years ago, boilers break down in around a fifth of UK homes each year.**

<https://www.which.co.uk/news/2017/02/boilers-broke-down-in-one-fifth-of-uk-homes-last-year/>

**26 million or so boilers across the UK.**

<https://www.hvpmag.co.uk/Global-boiler-market-heats-up-as-the-UK-is-no-longer-the-largest-market/10335>

**Europe's exploration of the 750.000 km<sup>2</sup> of the North Sea has been a source of intrigue and controversy for decades**

<https://web.archive.org/web/20081209095426/http://www.safetyatsea.se/index.php?section=northsea>

**Thanks to the University of Aberdeen for allowing us to use their resources to take a look back through history for that.**

<https://www.abdn.ac.uk/oillives/about/nsoghist.shtml>

**Windy conditions last spring meant that renewable generation reached record levels and contributed almost 43% of electricity generation compared to under 40% coming from fossil fuels.**

[https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/976000/Energy\\_Trends\\_March\\_2021.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/976000/Energy_Trends_March_2021.pdf)



**Compare that to 75% from fossil fuels in 2008!**

<https://interactive.carbonbrief.org/how-uk-transformed-electricity-supply-decade/>

**Stella is one of many overseeing a trial in Gateshead, called simply 'The Hydrogen Home' with the aim of showing how useful hydrogen could be to decarbonise the home of the future.**

<https://www.bbc.co.uk/news/uk-england-tyne-56076654>

**The conversion exercise was, in the words of Sir Denis Rooke, chairman of British Gas at the time "perhaps the greatest peacetime operation in the nation's history."**

<https://www.resilience.org/stories/2020-03-10/share-the-great-switch-lessons-from-when-14-million-homes-and-businesses-changed-fuel-in-less-than-a-decade/>

**This is Karen from Which? again who has studied the Committee on Climate Change's projections more than most. In it, the government reveal how they expect the UK's future heating network will shape up.**

<https://www.theccc.org.uk/wp-content/uploads/2020/12/Element-Energy-Trajectories-for-Residential-Heat-Decarbonisation-Executive-Summary.pdf>

**According to the Association for Decentralised Energy, there are already 17,000 district heating networks in the UK supplying almost half a million consumers.**

[https://www.theade.co.uk/assets/docs/resources/Heat%20Networks%20in%20the%20UK\\_v5%20web%20single%20pages.pdf](https://www.theade.co.uk/assets/docs/resources/Heat%20Networks%20in%20the%20UK_v5%20web%20single%20pages.pdf)

**According to the 'Heat Networks in the UK' report I quoted earlier, heat networks can reduce UK buildings' carbon emissions by up to 1 million tonnes of CO2 each year and that by 2030 that could be as high as 2.2 million tonnes of carbon emissions savings.**

[https://www.theade.co.uk/assets/docs/resources/Heat%20Networks%20in%20the%20UK\\_v5%20web%20single%20pages.pdf](https://www.theade.co.uk/assets/docs/resources/Heat%20Networks%20in%20the%20UK_v5%20web%20single%20pages.pdf)

**The government did offer help before in the form of the Green Homes Grant, a £1.5bn programme that offered households grants of up to £5,000 or £10,000 to put in insulation or low-carbon heating. But in March this year it was scrapped after just six months, leaving the UK without a plan for tackling one of the biggest sources of greenhouse gas emissions.**

<https://www.theguardian.com/environment/2021/mar/27/uk-government-scraps-green-homes-grant-after-six-months>

**According to the Energy Saving Trust you could save around £155 worth of energy with cavity wall insulation and £150 by installing loft insulation.**

<https://energysavingtrust.org.uk/advice/roof-and-loft-insulation/>

**I saw a report from the government that said two thirds of homes are rated D or worse on their EPC**

[https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/945899/201216\\_BEIS\\_EWP\\_Command\\_Paper\\_Accessible.pdf&sa=D&source=editors&ust=1624892578935000&usg=AOvVaw1jXLPejqQUvO0OCQTxwAN](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/945899/201216_BEIS_EWP_Command_Paper_Accessible.pdf&sa=D&source=editors&ust=1624892578935000&usg=AOvVaw1jXLPejqQUvO0OCQTxwAN)