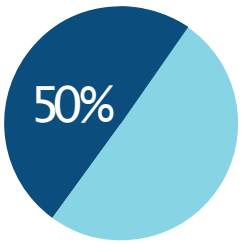
Committee on Climate Change

50% of UK emissions come from households.

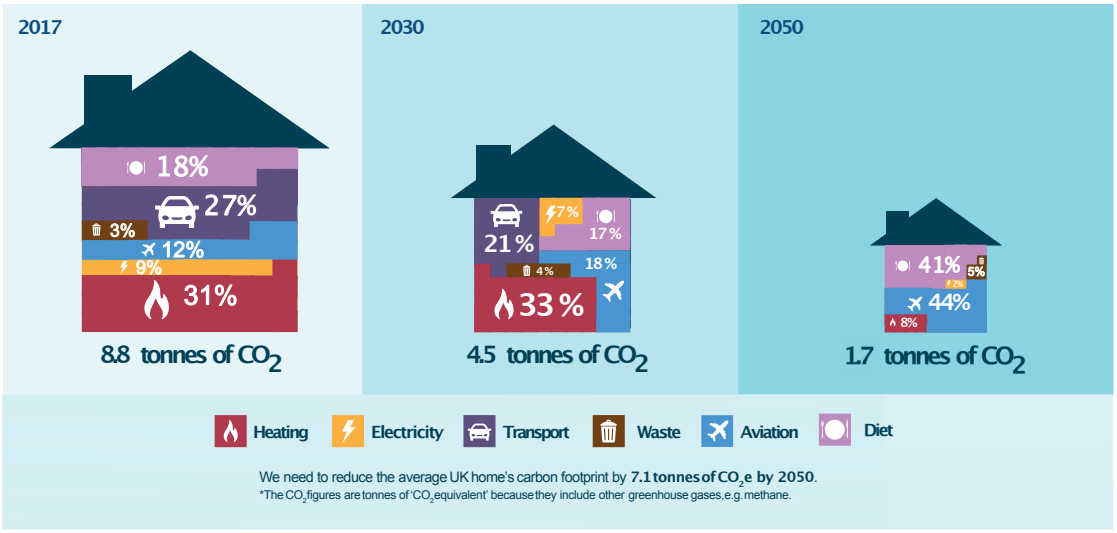
This means we all have an important part to play in meeting the 2050 emissions reductions

If you would like to calculate your own household Carbon Footprint, use the calculator on the Thursley Parish Council website at..... https://www.thursley-pc.gov.uk/Carbon Footprint Calculator.aspx



THURSLEY CLIMATE & SUSTAINABILITY ACTION

The path from 2017 to 2050



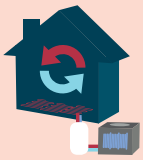
We need to reduce the average UK home's carbon footprint by **7.1 tonnes of CO_2e by 2050**.

*The CO_2 figures are tonnes of 'CO_2 equivalent' because they include other greenhouse gases, e.g. methane.

How households can help reach the 2050 target

Heating

1 in 4 homes currently using oil heating, and **1 in 3 homes** using electric heating could switch to a heat pump, saving **3.2 tonnes of CO_2 per year** and **0.8 tonnes of CO_2 per year** respectively



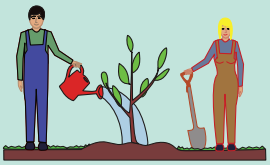
Electricity



Switch to renewables could reduce emissions by **79%**, **saving 1.25 tonnes of CO_2 per year** for the average home.

Carbon Offsetting

To meet our target of being Carbon Neutral by 2050 and to off set our remaining Carbon Footprint we have to increase reforestation to 27,000 hectares per year to achieve **18% forestation of UK land area by 2050**



Transport

By using a more efficient petrol or diesel car, the average home could save **0.9 tonnes of CO_2 per year**. A fully electric vehicle could save **2 tonnes per year.**

(All new cars must be electric from 2035)



Efficiency

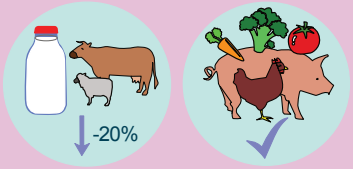
By saving energy, for example through…



…the average household could reduce its emissions by **0.6 tonnes of CO_2 per year.**

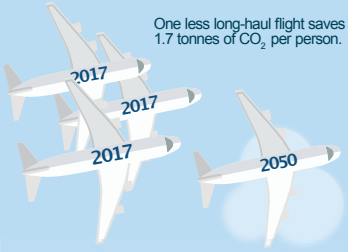
Diet

Reducing your consumption of Beef, Lamb and Dairy by 20% whilst increasing your consumption of Chicken, Pork and Vegetables will reduce emissions by 0.9 tonnes of CO_2 per year



Aviation

One less long-haul flight saves 1.7 tonnes of CO_2 per person.



Waste

By reducing and sorting waste, emissions from the average home could fall by **0.25 tonnes of CO_2 per year.**



Lifestyle

Exercise by walking, running or using a bicycle. Reduce dependancy upon the car by sharing journeys or using a bicycle.



Completing the picture

The rest of the economy can reduce its emissions too, through increased efficiency, decarbonising the power supply and reducing emissions from manufacturing and workplaces.



It all adds up to a total reduction of **89%** from 2017 to 2050

Sources: Catapult report "Living Carbon Free" produced as part of Committee on Climate Change Net Zero - The UK's contribution to stopping global warming.