How will the services we rely on be different by Christmas 2035?

To reach net zero by 2050, substantial changes will be needed touching many aspects of our lives.

2035 is a key staging post (half way to 2050) and the UK government has committed to reducing emissions by 78% by that year, compared to 1990 levels.

Electricity for everything from our tree decorations to powering new gadgets will need to be generated almost totally from low carbon sources

Gigabit-capable broadband should be available to every home in the UK, and we'll be making even more use of the potential for faster, more reliable connections.

All new cars will be electric, as will most of the delivery vehicles that drop off our gifts (though perhaps not Santa's sleigh). By 2030 we will need somewhere between **10 – 20 x more** public chargepoints to help enable the transition.

Many of us will have installed low carbon heating systems to help cut emissions from buildings by **50%** compared to today.

Our homes will need to be better insulated to ensure these heating systems keep us cosy while avoiding big bill increases

More of our household waste like wrapping paper and food packaging will need to be recycled – from around 40% now to **65%**.

The National Infrastructure Commission is here to provide expert, independent advice to government on long term infrastructure challenges. Our recent baseline report sets out plans to make costed recommendations in each of the areas above, in our next National Infrastructure Assessment.

We're currently gathering evidence and keen to hear views on the priority areas we have identified. For details of how to take part, visit the 'National Infrastructure Assessment' page at **nic.org.uk**.