

The Great Grid Upgrade

nationalgrid

Chesterfield to Willington

National Grid

National Grid delivers electricity safely, reliably, and efficiently to the customers and communities we serve – all while

working towards building a cleaner, fairer energy system for the future.

The parts of National Grid involved to ensure we all have the essential electricity supplies we need are shown in the diagram below. Each is a separate legal entity with its own role and responsibilities across England and Wales.



Wales, with 8m customer connections serving a population of over 18m people. by making sure supply meets demand every second of every day.

that allow the UK to share energy with

other European countries).



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The way we are powering the things we love is changing. In the years ahead, more of our energy will come from renewables as

part of the transition to a cleaner, greener future.

This means we need to build new infrastructure, as well as upgrade the existing electricity grid, to bring this clean, green energy from where it is produced to where it is needed by homes and businesses.

The Great Grid Upgrade is the largest overhaul of the grid in generations.



More clean energy for all

The Great Grid Upgrade will enable the electricity grid to carry more clean energy to communities in every part of England and Wales, helping us all reach net zero faster.



Energy security

The Great Grid Upgrade will connect clean energy that's produced right here in the UK, increasing the self-sufficiency of our energy supplies.



A grid that's fit for the future

As we continue to reduce our reliance on fossil fuels and increase clean energy generation, we'll be using more electricity than ever. That means we'll need a grid that's able to carry all of this extra electricity to wherever we might need it.



Investment in our economy

As well as helping to reach net zero, the UK Government suggests that investment in onshore network infrastructure could support up to 130,000 jobs and contribute an estimated £4–11 billion of GVA (gross value added) to the United Kingdom economy in 2050.





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