The National Grid

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The vast majority of homes in the UK draw their power from the National Grid, which still gets around 50% of its electricity through the use of fossil fuels, including the burning of coal in coal-fire power plants.

The UK government plans to shut down all coal-fired power plants by 2025 due to their disastrous effect on the environment – they are the world's biggest contributors to the greenhouse effect.

Coal-fired energy is no longer even the cheapest source of electricity available.

This means that alternative sources of energy will be required to replace coal-fired energy and meet the UK's increasing demand for electricity.

Your task

Working in groups of 3-4, you will assemble a taskforce which is going to advise the UK government on how the National Grid can meet this demand whilst protecting the environment.

The government plans to build 250,000 new homes by 2025.

Your job is to work out how much electricity these houses will need, as well as draw up a plan as to how this amount of energy can be generated.

You can use the back of this page to take notes.

Notes

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