

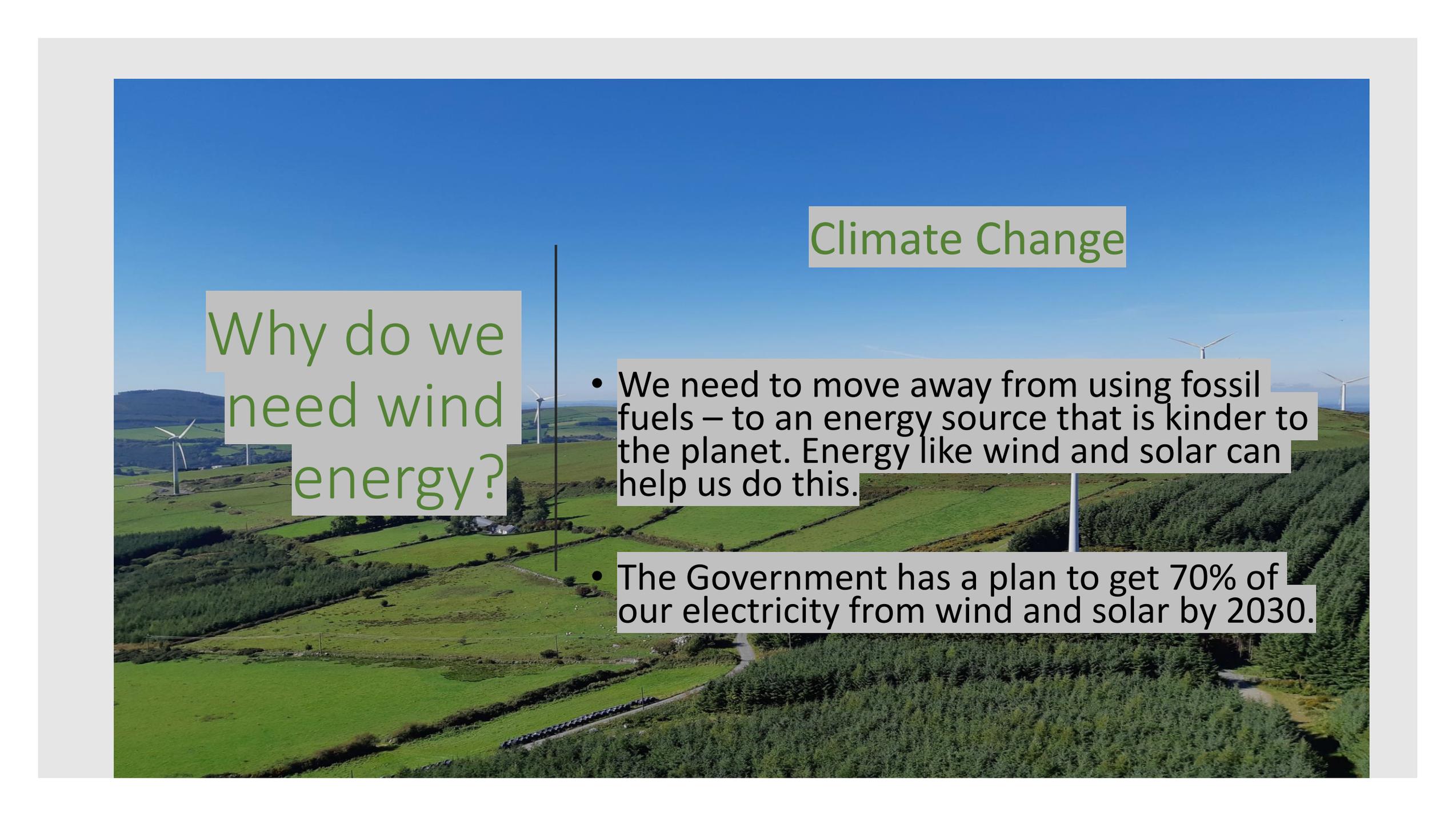


Wind Energy and You



Wind Energy in Ireland

- There are over 350 wind farms on the island of Ireland
- The first wind farm was built in Mayo in 1992
- Wind provided 37 per cent of our electricity in the first three months of 2019 (EirGrid, SEAI and IWEA data)
- Have you ever seen a wind turbine?

An aerial photograph of a lush green landscape. In the foreground, there are rolling green hills with a stone wall and a dirt road. A dense forest of evergreen trees is visible on the right side. In the background, several white wind turbines are scattered across the hills under a clear blue sky.

Climate Change

Why do we need wind energy?

- We need to move away from using fossil fuels – to an energy source that is kinder to the planet. Energy like wind and solar can help us do this.
- The Government has a plan to get 70% of our electricity from wind and solar by 2030.



What is a fossil fuel?

- A long, long time ago (over 300 million years ago) lots of plants got turned into fuels
- Bushes and Ferns got turned into coal and gas
- Plants and sea creatures got turned into oil and gas

What do we call things that are very old and trapped in rocks underground?

F O _ _ _ L S?

- Fossil fuels cannot be renewed or made again once they run out



What **Fossil Fuels** do you know?

- What fuel does your house need for heating?
- What fuel does your car need for driving?
- Is there an endless supply of fossil fuels?
- Do you think these fuels come from Ireland?
- What can we make energy from in Ireland?



What kinds of Energy do we have in Ireland?

- We have lots of
 - W _ _ _
- We can get Electricity for our homes, factories and schools
- What do you use Electricity for in your house?



What do wind turbines do?

- Wind turbines make electricity
- Do they make electricity all the time? Is it always windy?
- But they do make electricity somewhere in Ireland most of the time
- Wind turbines are put in places with the highest winds
- Where do you find the windiest places?
- M_____
- Beside the S__
- In the S__

Wind turbines made 29% of all of Ireland's electricity in 2018

No fuel needed

Energy made in Ireland





Some questions for you

Why do we need to move away from fossil fuels?

What Percentage (%) of electricity was made by wind in Ireland in 2018?

Where do we find the strongest winds?

Thank you for listening



IWEA
Irish Wind Energy Association