

## RESOURCE 4.

### TASKS.

You will need an Atlas to help with the following activities.

1. Mark on the map the UK's prevailing wind direction.
- 2a. Describe the distribution of operational wind farms in the UK.
  - b. Describe any areas that have very few wind farms.
  - c. Suggest reasons for this pattern.
3. Mark London, Manchester, Birmingham on your map.
4. Describe the distribution of wind farms in comparison to major urban areas.
5. Use the pie charts to add information to the timeline you produced during the resource 1 activities, OR describe the differences in energy type from 1950 to 2020.
6. Give reasons why this has / may occur.
7. Using a calculator work out the following...
  - a. The Power in Megawatts per operational turbine
  - b. The Power in Megawatts per turbine in planning.
8. What does this suggest about the suitability of wind farms as a future energy source?

<http://www.bbc.co.uk/scotland/learning/learningzone/clips/6616/>

