

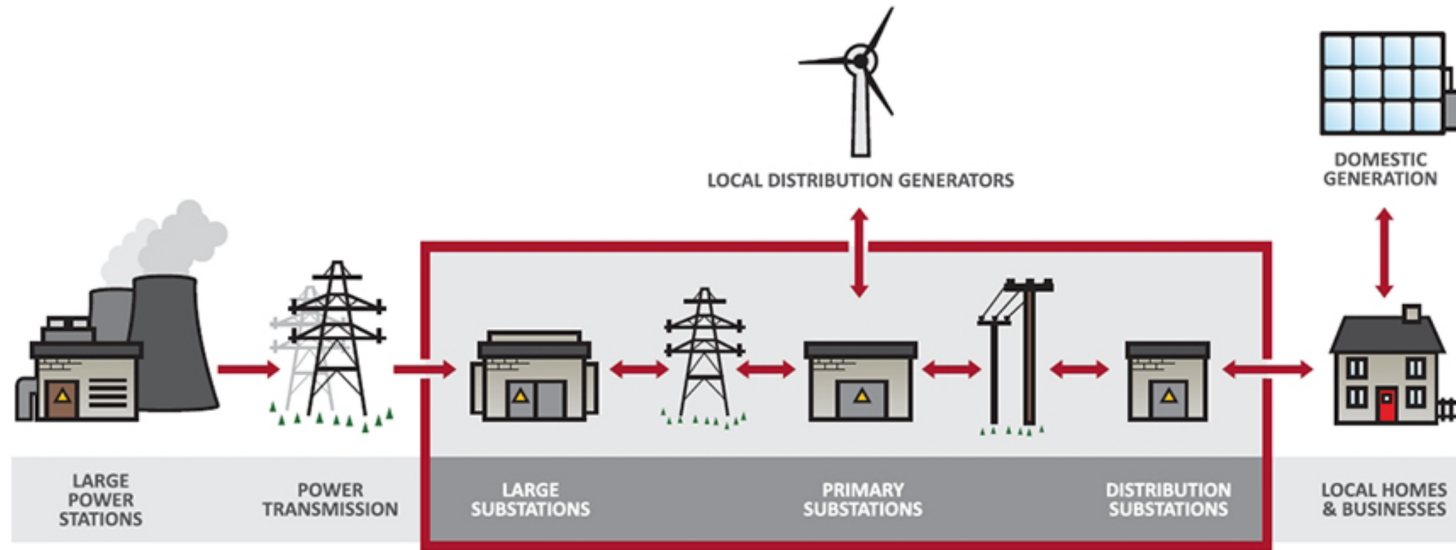
A large rectangular frame containing a photograph of several wind turbines on a body of water at sunset. The sky is orange and yellow, and the water is dark.

Northern Powergrid

Renewable Energy and Community Debates

www.northernpowergrid.com/education

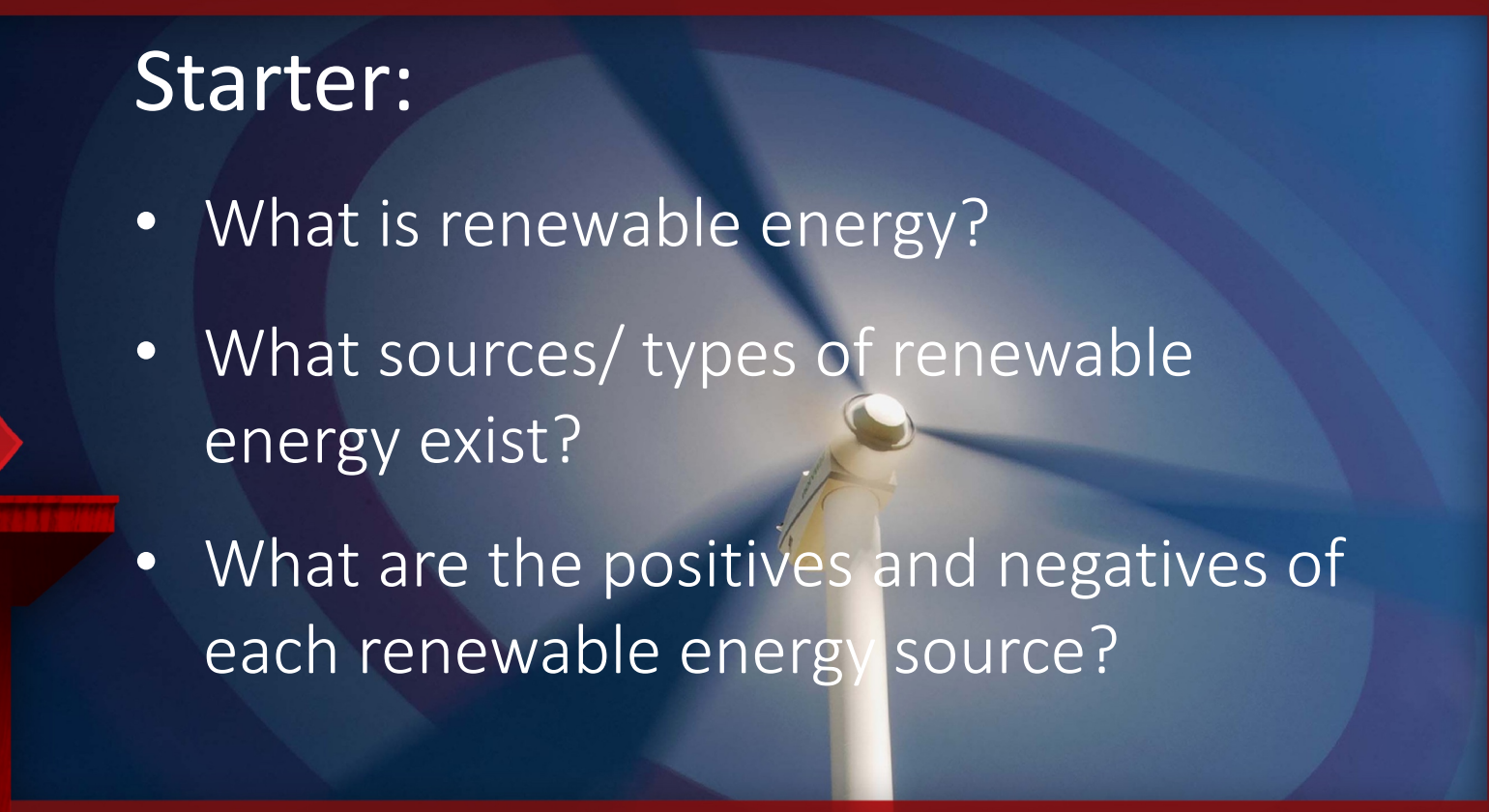




- Northern Powergrid is the Distribution Network Operator (DNO) for the North East of England, Yorkshire and northern Lincolnshire.
- We distribute electricity to 3.9 million homes and businesses.
- As a DNO we do not own the energy we distribute – we charge electricity suppliers for the use of lines and cables to move energy they purchase from generators to the customers they supply.
- This charge to suppliers represents around 10% of customer's bills.

Starter:

- What is renewable energy?
- What sources/ types of renewable energy exist?
- What are the positives and negatives of each renewable energy source?



Today's Focus:

Wind Turbines





Advantages: Wind is renewable and not dependant on fossil fuels.

Disadvantages: Wind farms can be noisy and spoil views. If there's no wind, they can't generate electricity.



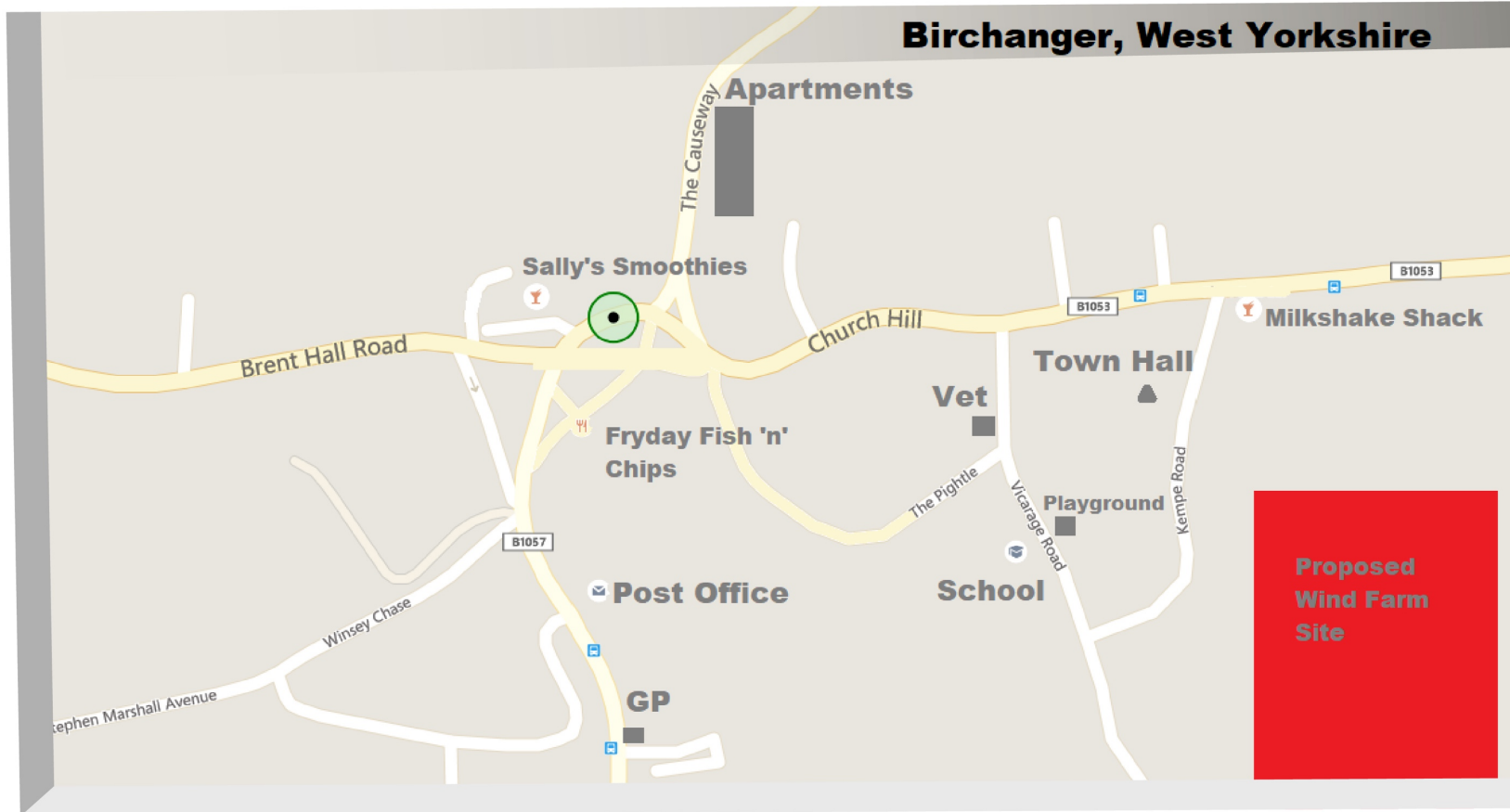
Scenario

The local council aspires to be the first 'green' town and has received funding to invest heavily in renewable energy. The problem is, the council have decided on wind turbines without taking into consideration any of the local residents' feelings.





The community have expressed their concerns to the local council who have agreed to have a community meeting to enable local residents to present their thoughts on the proposed plans.



TASK:

In groups, you are going to be given the character of a local resident. You need to come up with where, if anywhere, you think the wind turbines should be placed in the town. Alternatively, you need to come up with other renewable energy options.



TASK:

By the end of the lesson, you need to have come up with an argument as to where the wind turbines should be placed and why.

Every other group, including the local council, will have the opportunity to question your ideas – so be ready with your answers!



Resident 1

A Conservationist

Resident 2

A School Teacher



Resident 3

A Business Owner





Resident 4

A Doctor

Resident 5

A Homeowner





Resident 6

A Farmer



At the community group...

First, the local council will present the argument for the proposed plan first. Next, the other groups will put across their arguments. Everyone will be given an opportunity to ask questions - so listen carefully!



Next Steps

For homework you are going to develop your persuasive writing skills. Your task is to write a letter to the local council expressing your views regarding the proposal. You should write as if you were a resident. Don't forget to make use of the techniques opposite:

Alliteration

Facts

Opinion

Rhetorical question

Emotive language

Statistics

The power of three





Well done!

