

# The Crown Estate Sustainability Initiative

## Wind farm stakeholders

To learn to consider and debate different perspectives on a proposed offshore wind farm.



# Reflecting on gameplay

2

1. Where is the activity based?
2. What has happened so far?
3. Who did you meet? What were their jobs?
4. What did you learn about wind turbines?
5. What can you tell me about renewable energy?



# Stakeholders

3

Who are the stakeholders (interested people) in our school?

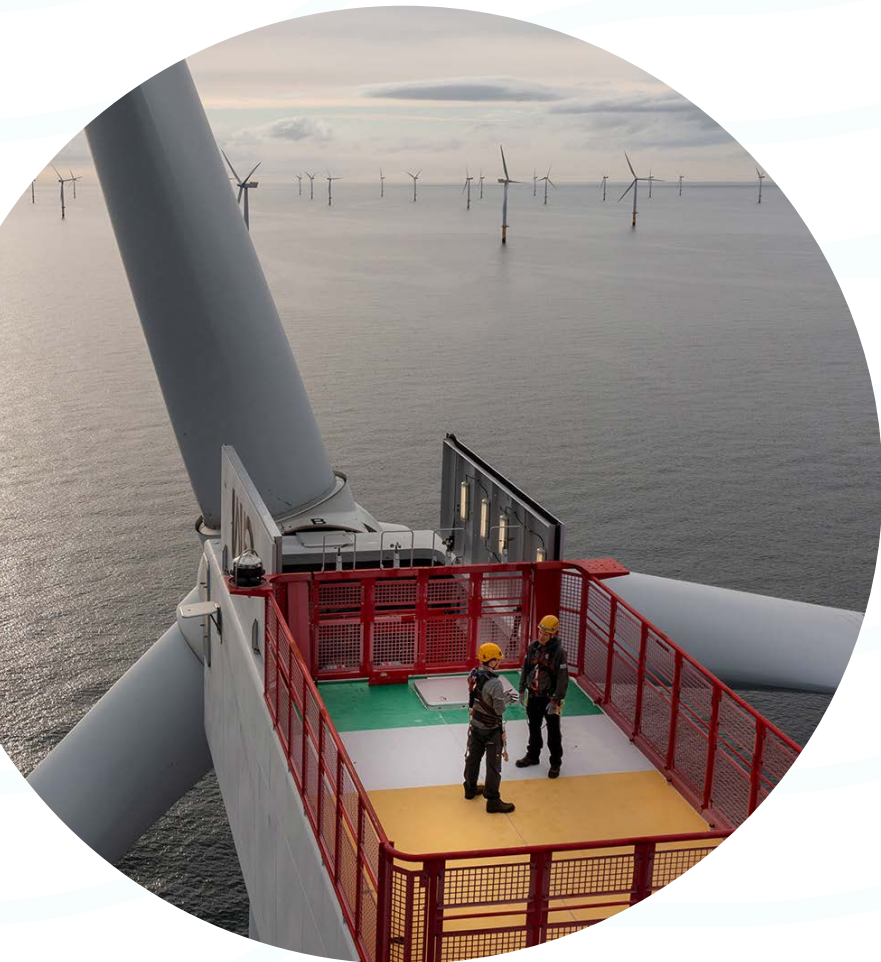
Suggest who the stakeholders are in our school  
(e.g. school governors).

**Stakeholder** = a person with  
an interest in the decision or  
activity of an organisation.



# Who are the stakeholders?

4



Who are the stakeholders (interested people) if an offshore wind farm is being developed?

## Hint

- Consider who is responsible for the turbines?
- Who provides the funding?
- Who is affected?



# Empathy

5

Empathy is the ability to understand and share the feelings of someone else.

**Stakeholder: Kai**

**Role:** Turbine expert

**Interest:** I have been researching and designing wind turbines for over two decades. Some of my designs are even based on biomimicry using an idea from the way flocks of birds move. In 2022, wind generation provided 26.8% of Great Britain's electricity. We should continue to expand the wind energy sector. This location is ideal for several large wind turbines as the seabed is suitably firm and it will be easy to run the electrical cables to the shore.

**Question:** How can we develop wind turbines that will be even more sensitive, so they work in stronger winds?



**Stakeholder: Amara**

**Role:** Structural engineer

**Interest:** I consider the structure of the wind turbines. I also have a keen personal interest in environmental issues. The advantages of wind turbines compared to burning natural gas are clear. There are environmental factors to consider such as some turbines are fixed to the sea bed using steel, and making steel produces greenhouse gas emissions. There are environmental issues with installing a wind farm, but alternative methods of electricity generation can be more harmful to the wider environment.

**Question:** Would floating turbines be better in this location?



# Wind farm

6

How would different stakeholders feel if you could see a wind farm off the coast?

There will be a town hall (whole class) debate and each team will present their argument for two minutes.

As a team you represent one stakeholder.

Read your stakeholder's **role** and **interests**.

- A. **Write** what you think this stakeholder's **viewpoint** would be in a debate, and explain why they have that view. Make sure to develop the points they have mentioned.
- B. **Discuss** in your groups for 2 minutes. What are the agreed stakeholder **viewpoints** that you wish to present in the debate?

**Key terms** to help develop your answers:

**economic**  
**environmental**  
**social**  
**biodiversity**

# Welcome to the Town Hall Debate

7



For each stakeholder, listen to their **interests** and **viewpoints** and write down 2 questions. You may be chosen to question the stakeholder.

Can you be empathetic to how the other stakeholders might feel?

# Reflection

8



- A fact / new definition I learned today about wind technology is...
- One way I compromised during this lesson is...
- Something I found challenging was...