Interconnection and network upgrades

- New cables, transformers and substations could be built to help manage the strain of new power plants and higher electricity demand on the national grid.
- Interconnection with mainland Europe could allow us to export renewable electricity when we have too much or import it when we don't have enough.
- New cables can be disruptive to build and can be expensive.
- Interconnection should reduce the overall cost of energy across countries. However if European electricity prices became consistently higher, interconnection could push up bills in the UK.



Key facts			
Technologies:	Cables, transformers and substations. Undersea cables (Interconnectors)	Applications	 Matching supply with demand Enables more renewables Power quality
Location:	National Grid. European electricity network		
Readiness:	Currently used		
Environmental impacts, safety and resource use:	 Laying cables and interconnectors may be disruptive to nearby landscapes and ecosystems. Cables are made of copper. Copper mining and smelting can pollute local air and groundwater. 		