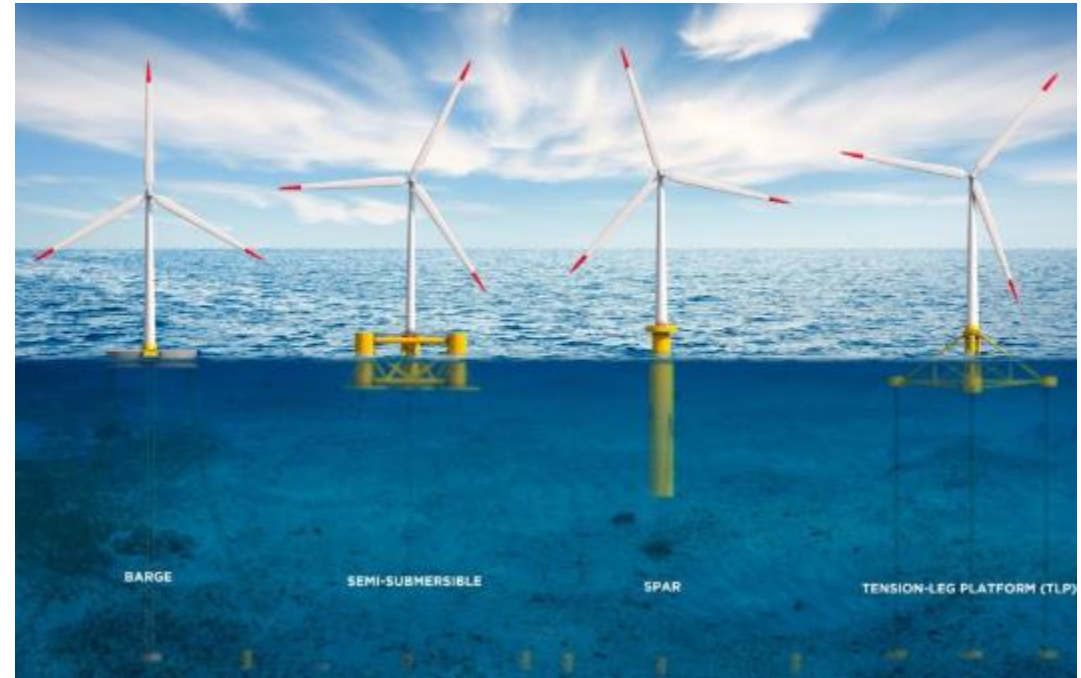


Floating Offshore Wind Seminar

Josie Gough

BEIS



Offshore Wind



Driving out coal and driving up offshore wind.



Going 18 days without coal in our energy mix. And boosting our offshore wind capacity to over eight gigawatts.

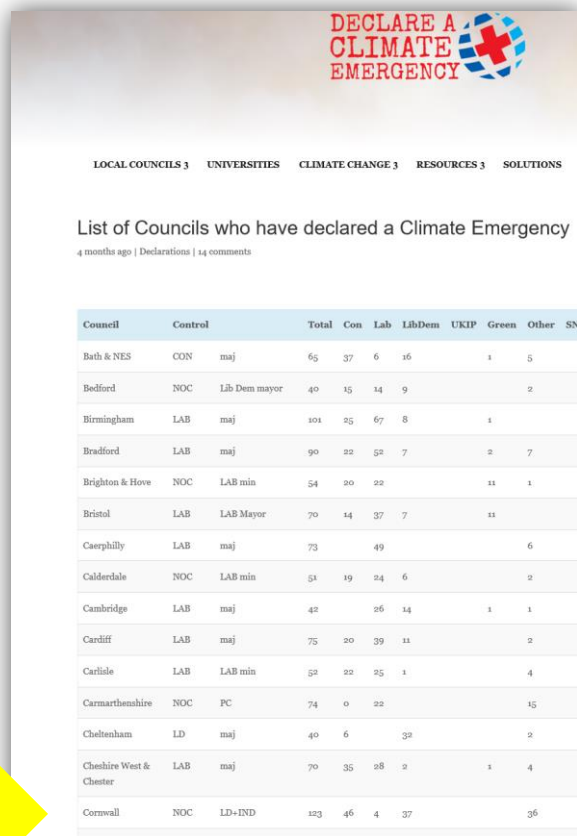


Home both to the world's biggest turbine and its largest offshore wind farm.



Producing 10x more energy from offshore wind than in 2010, a strong supply chain, with well-paid jobs up and down the country.

Global context



DECLARE A CLIMATE EMERGENCY

LOCAL COUNCILS 3 UNIVERSITIES CLIMATE CHANGE 3 RESOURCES 3 SOLUTIONS

List of Councils who have declared a Climate Emergency
4 months ago | Declarations | 14 comments

Council	Control	Total	Con	Lab	LibDem	UKIP	Green	Other	SN
Bath & NES	CON maj	65	37	6	16		1	5	
Bedford	NOC Lib Dem mayor	40	15	14	9			2	
Birmingham	LAB maj	101	25	67	8		1		
Bradford	LAB maj	90	22	52	7		2	7	
Brighton & Hove	NOC LAB min	54	20	22			11	1	
Bristol	LAB LAB Mayor	70	14	37	7		11		
Caerphilly	LAB maj	73		49				6	
Calderdale	NOC LAB min	51	19	24	6			2	
Cambridge	LAB maj	42		26	14		1	1	
Cardiff	LAB maj	75	20	39	11			2	
Carlisle	LAB LAB min	52	22	25	1			4	
Carmarthenshire	NOC PC	74	0	22				15	
Cheltenham	LD maj	40	6	32				2	
Cheshire West & Chester	LAB maj	70	35	28	2		1	4	
Cornwall	NOC LD+IND	123	46	4	37			36	

- Climate change has rocketed up the domestic and international political agenda.
 - expert analysis, direct action and Greta Thunberg
- Climate change emergencies declared
- By 2050 the UK will be a net zero emissions nation.
- First G7 country to legislate for net zero emissions

Floating offshore

Floating wind is an important counterpart to fixed offshore wind and will make an increasingly important contribution to realising the full potential of the sector.

With the UK's strong track record in fixed wind and world-leading subsea and offshore engineering capabilities, the UK is well placed to take advantage of the economic growth which can be achieved through developing this sector. We project that floating wind will support 17,000 UK jobs and £33.6bn of GVA.

In addition to these economic benefits, floating wind can enhance security of supply through addressing sites with consistent, high-speed wind resource in deep-water sites outwith the southern North Sea and Irish Sea, in particular off Scotland and the **South-West of England**, areas less likely to feel the economic benefits from deployment of fixed offshore wind.

Approach to new technologies



- Any energy generation technology must be viewed through the four principles and
 - push down costs to consumers
 - Move the UK to a zero-subsidy energy system
 - demonstrate a credible cost-reduction pathway
 - provide a meaningful contribution towards decarbonisation
 - and support UK's competitive advantage.
- There is the potential for emerging technologies such as floating offshore wind but they must be considered in the light of falling costs of other forms of low carbon generation such as fixed-bottom offshore wind.
- Contracts for Difference – consultation
- Innovation Power Purchase Agreement

Industrial Strategy – Grand Challenges

Clean Growth

- We will maximise the advantages for UK industry from the global shift to clean growth – through leading the world in the development, manufacture and use of low carbon technologies, systems and services that cost less than high carbon alternatives.
- The move to cleaner economic growth – through low carbon technologies and the efficient use of resources – is one of the greatest industrial opportunities of our time. We are determined to play a leading role in providing the technologies, innovations, goods and services of this future



ISCF & Other Funds

- **Prospering from the energy revolution**
 - An overview of government's challenge to industry and research to create more efficient energy systems and benefit the UK economy from the global uptake
- **Strength in Place Fund**
 - To support innovation-led relative regional growth by identifying and supporting areas of R&D strengths that are driving clusters of businesses across a range of sizes that have potential to innovate, or to adopt new technologies to become nationally and internationally competitive.
 - To enhance local collaborations involving research and innovation. Building the regional economic role of universities, research institutes, Catapults and other R&D facilities; and engaging those businesses at the forefront of delivering economic growth through innovation within the identified economic geography.
- **Innovate UK Smart Grants**
 - business focused, not pure research. Any area of technology, science or engineering and be applied to any part of the economy. Welcome projects that overlap with the [grand challenge areas](#), but also keen to support projects that are entirely outside these.



Thanks for listening

Josie Gough

BEIS

