

Press release: Offshore wind energy revolution to provide a third of all UK electricity by 2030

- Industry to invest £250 million including new Offshore Wind Growth Partnership to develop the UK supply chain as global exports are set to increase fivefold to £2.6 billion by 2030
- a third of British electricity set to be produced by offshore wind power by 2030
- part of the government's ambition to make the UK a global leader in renewables with more investment potential than any other country in the world as part of the modern Industrial Strategy

Clean, green offshore wind is set to power more than 30% of British electricity by 2030, Energy and Clean Growth Minister Claire Perry announced today (7 March 2018) with the launch of the new joint government-industry [Offshore Wind Sector Deal](#).

This deal will mean for the first time in UK history there will be more electricity from renewables than fossil fuels, with 70% of British electricity predicted to be from low carbon sources by 2030 and over £40 billion of infrastructure investment in the UK.

This is the tenth Sector Deal from the modern Industrial Strategy signed by Business Secretary Greg Clark. It is backed by UK renewables companies and marks a revolution in the offshore wind industry, which 20 years ago was only in its infancy. It could see the number of jobs triple to 27,000 by 2030.

The [deal](#) will also:

- increase the sector target for the amount of UK content in homegrown offshore wind projects to 60%, making sure that the £557 million pledged by the government in July 2018 for further clean power auctions over the next ten years will directly benefit local communities from Wick to the Isle of Wight
- spearhead a new £250 million Offshore Wind Growth Partnership to make sure UK companies in areas like the North East, East Anglia, Humber and the Solent and continue to be competitive and are leaders internationally in the next generation of offshore wind innovations in areas such as robotics, advanced manufacturing, new materials, floating wind and larger turbines
- boost global exports to areas like Europe, Japan, South Korea, Taiwan and the United States fivefold to £2.6 billion per year by 2030 through partnership between the Department of Trade and industry to support

smaller supply chain companies to export for the first time

- reduce the cost of projects in the 2020s and overall system costs, so projects commissioning in 2030 will cost consumers less as we move towards a subsidy free world
- see Crown Estate & Crown Estate Scotland release new seabed land from 2019 for new offshore wind developments
- UK government alongside the deal will provide over £4 million pounds for British business to share expertise globally and open new markets for UK industry through a technical assistance programme to help countries like Indonesia, Vietnam, Pakistan and the Philippines skip dirty coal power and develop their own offshore wind projects

Claire Perry, Energy & Clean Growth Minister said:

This new Sector Deal will drive a surge in the clean, green offshore wind revolution that is powering homes and businesses across the UK, bringing investment into coastal communities and ensuring we maintain our position as global leaders in this growing sector.

By 2030 a third of our electricity will come from offshore wind, generating thousands of high-quality jobs across the UK, a strong UK supply chain and a fivefold increase in exports. This is our modern Industrial Strategy in action.

The Co-Chair of the Offshore Wind Industry Council and Ørsted UK Country Manager for Offshore, Benj Sykes, said:

Now that we've sealed this transformative deal with our partners in government, as a key part of the UK's Industrial Strategy, offshore wind is set to take its place at the heart of our low-carbon, affordable and reliable electricity system of the future.

This relentlessly innovative sector is revitalising parts of the country which have never seen opportunities like this for years, especially coastal communities from Wick in the northern Scotland to the Isle of Wight, and from Barrow-in-Furness to the Humber. Companies are burgeoning in clusters, creating new centres of excellence in this clean growth boom. The Sector Deal will ensure that even more of these companies win work not only on here, but around the world in a global offshore wind market set to be worth £30 billion a year by 2030.

Keith Anderson, ScottishPower Chief Executive, said:

ScottishPower is proof that offshore wind works, we've worked tirelessly to bring down costs and, having transitioned to 100% renewable energy, will be building more windfarms to help the UK shift to a clearer electric economy. Two of our offshore windfarms in the East Anglia will replace all of the old thermal generation we've sold and we are ready to invest more by actively pursuing future offshore projects both north and south of the border.

We have a fantastic supply chain already in place in the UK, from businesses in and around East Anglia to across England, across Scotland as well as Northern Ireland. The Sector Deal will attract even more businesses in the UK to join the offshore wind supply chain and we are excited to see the transformative impact this will have on our projects.

In addition, the deal will:

- challenge the sector to more than double the number of women entering the industry to at least 33% by 2030, with the ambition of reaching 40% – up from 16% today
- create an Offshore Energy Passport, recognised outside of the UK, will be developed for offshore wind workers to transfer their skills and expertise to other offshore renewable and oil and gas industries – allowing employees to work seamlessly across different offshore sectors
- see further work with further education institutions to develop a sector-wide curriculum to deliver a skilled and diverse workforce across the country and facilitate skills transfer within the industry
- prompt new targets for increasing the number of apprentices in the sector later this year

The cost of new offshore wind contracts has already outstripped projections and fallen by over 50% over the last two years, and today's further investment will boost this trajectory, with offshore wind projects expected to be cheaper to build than fossil fuel plants by 2020. The Deal will see UK continuing as the largest European market for offshore wind, with 30GW of clean wind power being built by 2030 – the UK making up a fifth of global wind capacity.

The UK is already home to the world's largest offshore wind farm, Walney Extension off the Cumbrian Coast, and construction is well underway on projects nearly double the size. Around 7,200 jobs have been created in this growing industry over the last 20 years, with a welcome surge in opportunities in everything from sea bedrock testing to expert blade production.

The Deal will look to seize on the opportunities presented by the UK's 7,000 miles of coastline, as the industry continues to be a coastal catalyst for many of the UK's former fishing villages and ports. Increased exports and

strengthened supply chain networks will secure economic security for towns and cities across the UK.

The government has already invested in growing the offshore wind sector by:

- confirming that clean electricity auctions will be held in 2019 and every two years from then into the 2020s, signalling support worth up to £557 million for industry
- supporting Local Enterprise Partnerships such as the Humber Local Enterprise Partnership to invest in skills and business support to maximise opportunities in the offshore wind sector
- supporting local communities to create new regional clusters and build on their science and innovation strengths with the £115 million Strength in Places Fund to develop stronger local networks

Notes to Editors:

1. The UK's technical assistance programme will allow British business to share expertise globally and open new markets for UK industry. The \$5 million program is being initiated thanks to a \$20 million grant to the World Bank's Energy Sector Management and Assistance Program (ESMAP) from the UK, to help low- and middle-income countries implement environmentally sustainable energy solutions and transition away from fossil fuels.
2. Between 2015 and 2017 the price of offshore wind projects securing a contract for difference halved.
3. Today's Deal represents a huge opportunity for the UK industry to benefit from this worldwide shift. The world market for offshore wind is predicted to grow by 17% each year up to 2030, from 22GW in 2018 to 154GW installed by 2030.
4. This Sector Deal is the tenth sector deal established under the modern Industrial Strategy with sector deals already established with the Life Sciences, Automotive, Construction and Nuclear sectors.
5. This Sector Deal follows 9 other partnerships between the government and industry on sector-specific issues can create significant opportunities to boost productivity, employment, innovation and skills.
6. The Industrial Strategy, Clean Growth Grand Challenge maximises the advantages for UK industry from the global shift to clean growth – by supporting UK businesses to lead the world in the development, manufacture and use of low carbon technologies, systems and services that cost less than high carbon alternatives.
7. The Contracts for Difference allocation round for less established technologies such as offshore wind will open by May 2019. The government will hold another allocation round in 2021 and auctions around every 2 years. Depending on the price achieved, these auctions will deliver between 1 to 2 gigawatts of offshore wind each year in the 2020s. The government will look at ways to manage the auctions to ensure smooth delivery of low carbon generation.
8. Offshore wind projects expected to be cheaper to build than fossil fuel plants by 2020. The International Renewable Energy Association (IRENA) says all renewable energy technologies should be competitive on price with fossil fuels by 2020. (Renewable Power Generation Costs in 2017).

9. The offshore wind industry has predicted 27,000 jobs by 2030.
10. Electricity produced from low carbon sources includes renewable energy such as offshore and onshore wind, solar, biomass and low carbon electricity produced from Nuclear Power.

Key themes of the deal:

This Sector Deal is built on the foundations of the [Industrial Strategy](#) – Ideas, People, Infrastructure, Business Environment and Places, and supports the vision to upgrade the UK's infrastructure, creating better, high-paying jobs in communities right across the UK.