

About DONG Energy

Based in Denmark, DONG Energy is one of Northern Europe's leading energy groups. We are the global leader in offshore wind, with 22 projects around the world generating more than 3.9GW of renewable energy – the equivalent of powering nearly 2 million U.S. homes. DONG Energy is committed to bringing the benefits of offshore wind to the U.S., including cost competitive, clean, reliable energy along with economic growth and job creation. We are currently developing two utility-scale projects in the U.S.: Bay State Wind in Massachusetts, and Ocean Wind in New Jersey.

With a 20+ year record of success, DONG Energy is the recognized leader in the successful development, construction and operation of commercial-scale offshore wind projects. We have built over 27% of the total offshore wind capacity in the world – more than any other company.

DONG Energy was a pioneer in the offshore wind industry with the construction of Vindeby Offshore Wind Farm in 1991, which was the world's first. After more than 25 years of service, DONG Energy recently dismantled that project to complete decommissioning, another first for the industry.

In 2016, we installed our 1,000th offshore wind turbine—setting a global record for the number of turbines installed offshore by any company. And we recently became the first to use 8MW turbines – the largest in the world. By 2020, we will double our offshore wind capacity to 7.5GW.

DONG Energy wants to lead the transformation to renewable energy. We want to contribute to creating a world where people can use energy as a natural part of their everyday lives without the risk of climate change and limiting the opportunities for future generations.

Fast Facts: DONG Energy

- **22** offshore wind projects around the world
- **3.9GW** in global offshore wind capacity
- **1,000+** turbines installed worldwide
- **26 years** of experience in offshore wind
- **First to use 8MW turbines** – the largest in the world
- **50%+ cost reductions** in the past seven years
- **7.5GW** in offshore wind capacity by 2020

Offshore Wind in the U.S. and Canada

With world-class seabed and wind conditions similar to Northern Europe, the U.S. and Canada can benefit from our 20+ year maturation and development in the European offshore wind industry. This resource can be a reliable part of the nation's diverse and flexible energy portfolio. With advanced technology and the consistency of maritime winds, offshore wind farms are technically available to produce electricity more than 93% of the time.

Offshore wind farms are often located near coastal cities. Therefore, they can deliver vital new electric power capacity to where it is needed most. And commercial-scale projects can provide cost-effective, stable power along with economic benefits for skilled workers and manufacturers.

States such as Massachusetts, New Jersey, Virginia, New York, Maryland and others have begun to explore offshore wind to participate in a burgeoning U.S. offshore wind industry.

Jobs & Economic Growth

Clean energy is one of the fastest-growing sectors of the economy. According to a [2016 report](#) from the U.S. Department of Energy, there are more than 500,000 people currently employed in renewable energy in the U.S., and the industry forecast predicts continued strong growth. The offshore wind industry will accelerate that job growth – bringing homegrown energy, skilled jobs and a supply chain that amplifies economic growth.

Commercial-scale offshore wind projects bring strong job creation in construction and maintenance. A typical DONG Energy offshore wind project creates up to 1,000 jobs per year during a 2-3-year construction cycle, and another 100 maintenance jobs to support the 25-year life of a typical offshore wind farm.

Beyond construction and maintenance, these large infrastructure projects require a network of domestic suppliers and specialized marine transport. That means more jobs created in ports and manufacturing.

Cost Effective Energy

DONG Energy is continually driving down the cost of offshore wind through streamlined processes and state-of-the-art turbine technology. We have helped drive cost reductions of more than 50% over just the past seven years in Europe. Beyond efficiency, there are no ongoing fuel costs for offshore wind. Since all costs are upfront, the price of offshore wind power is unaffected by fluctuations in coal, oil or gas prices.

We recently became the first to deploy advanced 8MW wind turbines – the largest in the world – which maximize energy production as well as cost effectiveness. These turbines stand about 640 feet high – more than twice the size of the statue of liberty. As technology improves over the next decade, we will see larger turbines and even more competitive costs.

In addition, we were just awarded a contract to build Hornsea Project Two offshore wind farm at the lowest price ever for an offshore wind project. The project has a capacity of 1,386MW and will become the world's biggest offshore wind farm - surpassing the 1,200MW Hornsea Project One which DONG Energy is currently constructing.

Bay State Wind: Massachusetts

Bay State Wind – DONG Energy's Massachusetts project – is a joint venture between our company and Eversource, a Massachusetts-based utility that transmits and delivers electricity and natural gas to 1.7 million customers throughout the state. The Bay State Wind project partnership maximizes project benefits through a combination of DONG Energy's expertise as the global leader in offshore wind, and Eversource's experience as the premier transmission builder in New England. The proposed offshore wind farm has the potential to develop at least 2,000 megawatts of electricity – enough to power one million homes.

Bay State Wind will encompass a 300 square mile ocean area approximately 15 miles off the coast of Martha's Vineyard, leased by the Bureau of Ocean Energy Management ("BOEM"). In 2016, Massachusetts adopted an energy bill that includes a first-of-its-kind mandate for state utilities to purchase 1600 MW of offshore wind power by 2027. The state recently began the procurement process for its first project – a landmark moment for offshore wind in the U.S.

Through the Bay State Wind partnership, DONG Energy will provide market-leading expertise for offshore development and construction. Meanwhile, Eversource will leverage its strong transmission expertise to develop and construct the onshore transmission system.

We predict that Bay State Wind can first deliver offshore wind power in the early 2020s.

Ocean Wind: New Jersey

Ocean Wind is DONG Energy's New Jersey project, which is in the early stages of development. We are committed to developing the offshore wind resource and bringing its benefits to the Garden State.

Ocean Wind will encompass a BOEM lease area of roughly 250 square miles, approximately 10 miles off the coast of Atlantic City. The project could support more than 1,000MW of offshore wind power – enough energy to power the equivalent of 500,000 homes.

New Jersey's [Energy Master Plan](#) sets ambitious goals for reducing greenhouse gas emissions. Offshore wind will help reach those goals through reliable energy and zero emissions. Working with state and local leaders, we hope to bring the benefits of offshore wind to New Jersey – skilled jobs, cost stability and clean, reliable energy.

Coastal Virginia Offshore Wind

DONG Energy is partnering with Dominion Energy in Virginia to construct two 6-megawatt offshore wind turbines off the coast of Virginia Beach, becoming the first offshore wind project in the Mid-Atlantic and the second in the nation. DONG Energy will support the engineering and development work of the Coastal Virginia Offshore Wind project and Dominion Energy will remain the sole owner of the turbines.

Engineering and development work on the newly named Coastal Virginia Offshore Wind project is expected to begin immediately by DONG Energy to support the targeted installation by the end of 2020.

The project opens the door to long-term commercial wind development. It will provide the critical operational, weather and environmental experience needed for large-scale development in the adjacent 112,800-acre site leased by Dominion Energy from the Bureau of Ocean Energy Management (BOEM). Full deployment could generate up to 2,000 megawatts of energy – enough to power half a million homes.

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