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**US OFFSHORE WIND 2020**

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US Offshore Wind July 2020

The year 2020 has so far included some notable advances for offshore wind in the United States. Virginia passed a law to develop 5,200 MW of offshore wind by 2034. Further north, Massachusetts utilities signed contracts for the 804 MW Mayflower Wind project and Maryland opened its second round of offshore wind applications, demonstrating the continued demand for America's offshore wind resources.

During the first quarter of 2020, construction activity was at a record level, with 24,690 MW under construction across the country. An additional 19,751 MW are in advanced development, including 8,296 MW of offshore wind. The near-term project pipeline now totals 44,441 MW, a 14 percent increase from one year ago. Federal waters now host 8,275 MW of the pipeline, followed by Texas with 7,060 MW, Wyoming with 4,599 MW, and Oklahoma at 3,485 MW.

Many states are looking to harness offshore wind's rapidly expanding opportunity. States up and down the East Coast are working to develop over 25 GW of offshore capacity by 2035. Led by commitments of 9 GW in New York and 7.5 GW in New Jersey, states from Massachusetts to North Carolina along the east coast are behind the development of offshore wind.

Danish renewable company Ørsted was selected by Dominion Energy to install both wind turbines and is making preparations to support the work out of Hampton Roads, Virginia. Ørsted has also leased a portion of the Portsmouth Marine Terminal to use for offshore wind staging materials and equipment. The state is investing US\$40M to upgrade the terminal to create an offshore wind supply chain and service hub for the east coast.

Dominion Energy in Virginia will use the Coastal Virginia Offshore Wind project to gain valuable experience in managing offshore wind resources. As it is the first offshore windfarm installed in US federal waters under the BOEM process, it will provide critical permitting, design, installation and operational experience.

CVOW highlights Virginia's commitment to 100% renewable power generation by 2050. In April, Virginia Governor Ralph Northam signed the Virginia Clean Economy Act, putting the state on a path to 100% carbon-free power from renewable energy by 2050. The act provides that 5,200 MW of offshore wind generation is "in the public interest".

Ørsted is also involved in the development of New Jersey's 1,100-MW Ocean Wind project and has partnered with New England utility Eversource on New York's 880-MW Sunrise Wind and Revolution Wind in Connecticut and Rhode Island. New York's 816-MW Empire Wind is owned by Norway's Equinor, while Spain's Avangrid is developing the Kitty Hawk windfarm in North Carolina.

Economic activity generated by offshore wind development could provide a massive boost to the US post-pandemic economy. Wind power is a key tool for economic recovery from the impact of COVID-19, which will enable governments to renew critical infrastructure for a sustainable future. The wind



industry will help to deliver jobs, clean and affordable power, and energy security needed for a sustainable economic recovery.

As of June 2020, there are currently 15 active commercial leases for offshore wind development in the U.S. Should the leases be fully built, approximately 25 GW of offshore wind capacity can be supported. With excellent wind resources on the East and West Coasts and in the Great Lakes, infrastructure and offshore energy expertise, the U.S will certain to scale up offshore wind power. The U.S. Department of the Interior is developing a way forward for additional offshore wind lease areas. That will transform offshore wind's sizeable potential and help increase energy security and strength while leading to new manufacturing and shipbuilding jobs.

New York State's progressive renewable energy procurement efforts reached a historic mark in the middle of July, when Governor Andrew Cuomo announced the largest single renewable energy solicitation ever put forth in the United States. Of these 4,000 MW, the solicitation calls for up to 2,500 megawatts of offshore wind projects, as well as over 1,500 megawatts of land based large-scale renewable energy projects. The solicitation issued by the New York State Energy Research and Development Authority and the New York Power Authority, is the nation's largest coordinated solicitation for land based large-scale renewable energy projects by an individual state in history. The objective of this solicitation is to bring New York State halfway toward its goal of 9,000 megawatts of offshore wind by 2035 and meet Governor Cuomo's nation-leading climate and environment goals under the Climate Leadership and Community Protection Act. It will also help the state to reach its goal of securing 70% of its electricity from renewable energy by 2030. Both of these things are expected to create approximately \$7 billion in direct investments in approximately 4,500 short and long-term jobs, which will help to drive economic growth as part of reopening of New York State's economy in the wake of the Covid-19 pandemic.

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