

Hamburg, February 17, 2017

Siemens to build EnBW Hohe See as first offshore wind project with extended scope

- **EnBW orders 71 offshore wind turbines including foundations**
- **497 megawatts offshore wind power plant to be grid connected in 2019**
- **Site located 90 kilometers northern of German island Borkum**
- **Grid connection via HVDC platform BorWin Gamma**

Siemens Wind Power will, for the first time, provide complete offshore wind power plant solutions including foundations for the EnBW Hohe See offshore wind project. Hohe See owner EnBW has now made a final investment decision for its 497 megawatts offshore wind power plant. Starting in early 2018 the large wind park will be installed at a site 90 kilometers north of the German island Borkum in the North Sea at water depths of up to 40 meters. The 71 wind turbines of the type SWT-7.0-154 rated at 7 megawatts each will be manufactured at Siemens' new nacelle plant in Cuxhaven beginning in mid-2018 and will be shipped to the project harbor in early 2019. The blades will be shipped from factories in Hull, UK, and Aalborg, Denmark. Commissioning is planned for the third quarter of 2019. The wind power plant will generate enough power to supply 560,000 households with clean renewable energy.

In 2016 Siemens began with the development of project-specific solutions for the foundations of EnBW Hohe See wind power plant with a preliminary project. The result was the development of a large monopile design with a length of up to 80 meters and a weight of up to 1,500 tons to anchor the wind turbines solidly into the sea bed. Siemens has more than 25 years of experience with offshore projects starting with Vindeby offshore project in Denmark, commissioned in 1991. For EnBW Hohe See, Siemens is partnering with logistics specialist GeoSea. The company of the Deme Group will also deliver the foundations including monopiles and transition pieces. With its extended scope Siemens helped to mitigate risk-

exposure to the investors significantly. The integrated design and installation approach together with the complete solution including turbines, towers, TPs and foundations provides investors with maximum security and confidence regarding the financing and completion of this project.

“We are happy to apply our full scope of engineering services at EnBW Hohe See offshore wind project,” states Michael Hannibal, Offshore CEO at Siemens Wind Power. “The extended scope makes this 497-megawatt wind power plant one of the largest projects that we have ever executed. Our customer thereby benefits from the proven experience of a multinational company along the entire value chain of large offshore wind projects.”

After commissioning, Siemens will perform service and maintenance of the turbines for a period of five years. Grid connection will be established via the “BorWin 3” high-voltage DC link and „BorWin Gamma“ converter platform to be installed by Siemens for grid operator Tennet.



At EnBW Hohe See Siemens will install 71 units of its turbine type SWT-7.0-154, rated at 7 megawatts and with a rotor diameter of 154 meters.

This press release and a press picture are available at:

www.siemens.com/press/PR2017020178WPEN

For further information on Siemens Wind Power, please see:

www.siemens.com/wind

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