



Cable Laying works started at Nordsee One offshore wind farm

- Laying of 70 kilometers of inter-array cables
- Special purpose cable-laying vessels in use
- All 54 wind turbine foundations and substation foundation have been already installed
- Commissioning of the 332 megawatt wind farm anticipated in 2017

Hamburg, 7 June 2016

The installation contractor has started laying the first inter-array cable in the construction area of the Nordsee One offshore wind farm. The fifty-four turbines will be connected to the offshore substation by ten strings of cables with an overall length of approximately 70 kilometres – a longer distance than the length of the Eurotunnel, which connects the UK with Continental Europe.

Tim Kittelhake, Managing Director (COO) of Nordsee One GmbH explained: “In the last month we have successfully installed all 54 foundations for the wind turbines, as well as the foundation for the offshore substation. We plan to install the substation this summer. Currently, we are beginning the cable laying process. First, the cables are laid, and then they are buried into the sea bed by a specialized cable laying vessel. We expect to finish the complete inter-array cable laying works this fall.”

SIEM Offshore Contractors will supply and install the inter-array cables for Nordsee One. The submarine cables have a diameter of up to 160 mm. A layer of steel armour wire protects the high-performance electricity connectors from extreme conditions, which, in particular, may occur during installation. At the same time, they guarantee maximum energy transmission over large distances.

Pierre Lestienne, Managing Director (CFO) of Nordsee One GmbH added: “All 54 wind turbines will be connected via the inter-array cables to this offshore transformer substation. This is where the 33 kV power generated by the wind turbines will be converted into a transmission voltage of 155 kV.”

Once completed, Nordsee One wind farm is planned to consist of 54 wind turbines with an overall installed capacity of 332 megawatts. Nordsee One is owned by Northland Power Inc. (85%) and RWE International SE (15%).

Find more information about the Nordsee One offshore wind farm on our website:

www.nordseeone.com

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ABOUT NORTHLAND

Northland is an independent power producer founded in 1987, and publicly traded since 1997. Northland develops, builds, owns and operates facilities that produce 'clean' (natural gas) and 'green' (wind, solar, and hydro) energy, providing sustainable long-term value to shareholders, stakeholders, and host communities. The Company owns or has a net economic interest in 1,394 MW of operating generating capacity and 932 MW (642 MW net to Northland) of generating capacity under construction, including a 60% equity stake in Gemini, a 600 MW offshore wind project, also located in the North Sea. Northland's cash flows are diversified over four geographically separate regions and regulatory jurisdictions in Canada and Europe. Northland's common shares, Series 1, Series 2 and Series 3 preferred shares and Series B and Series C convertible debentures trade on the Toronto Stock Exchange under the symbols NPI, NPI.PR.A, NPI.PR.B, NPI.PR.C, NPI.DB.B, and NPI.DB.C, respectively.

Find more information about **RWE International SE Renewables division** on our website:

www.rwe.com/renewables