ONTARIO: Nation Rise

Introduction

Located approximately 40 kilometers southeast of Ottawa, ON near the South Nation River, the Nation Rise Wind Farm is situated in the Municipality of North Stormont within the United Counties of Stormont Dundas and Glengarry. The area is mainly comprised of agriculture land predominantly used to grow corn, soybeans and for dairy farming. EDP Renewables (EDPR) Canada submitted the Nation Rise Wind Farm in the 2015 Large Renewable Procurement I (LRP I) facilitated by the Independent Electricity System Operator (IESO). In March 2016, the Nation Rise Wind Farm was a Selected Proponent in the IESO’s LRP I and was awarded a contract to provide Ontario with 100 MW of clean, renewable energy. EDPR Canada is currently undertaking all necessary studies to complete the approval application for the Renewable Energy Approval and construction is expected to begin in 2019.

Development

Development of Nation Rise Wind Farm began in 2012 with the construction of one 60 meter meteorological tower. Since then the EDPR Canada development team has constructed an additional 100 meter meteorological tower and secured more than 12,000 acres through land agreements with approximately 70 local individuals and farming families.

Community Engagement

The EDPR Canada Development team has been working with the municipality of North Stormont since 2012 and makes regular presentations to Council and staff. Members of the project team have also been present at the Crysler Farm and Seed Show. Open houses in preparation for the LRP submission were held in May and August of 2015, engaging over 200 area residents. The EDPR Canada team is continuing public outreach through our next open house information session to be held on October 25th, 2016 and will continue to have further open houses and engagement opportunities continuing through to the operation of the project.
Technology

Modern wind turbine generators are robust, sophisticated, high-tech machines designed to capture the kinetic energy of the wind and convert it into electricity. Wind turbines consist of three main parts: the tower, the blade, and the nacelle. Most of the action takes place inside the nacelle, where the motion of the wind turning the blades is converted into electricity. The blades are attached to a shaft that runs into a gearbox. The gearbox steps up the speed of rotation, which then turns the generator producing AC electricity. Electricity must be produced at just the right frequency and voltage to be compatible with the utility grid.

About Us

EDP Renewables North America LLC (“EDPR NA”) and its subsidiaries develop, construct, own, and operate wind farms and solar parks throughout North America. Headquartered in Houston, Texas, with 37 wind farms, two solar parks, and 10 regional and development offices across the United States, EDPR NA has developed more than 5,000 megawatts (MW) and operates more than 4,600 MW. With approximately 400 employees, EDPR NA’s highly qualified team has a proven capacity to execute projects across the continent. EDP Renewables Canada Ltd. is headquartered in Toronto, Ontario. The EDPR Canada team successfully commissioned its first Canadian project in 2014, the South Branch Wind Farm, near Brinston, Ontario.

EDPR NA is owned by EDP Renováveis, S.A. (“EDP Renewables” or “EDPR”), a global leader in the renewable energy sector that develops, constructs, owns, and operates renewable generation facilities. With a sound development pipeline, first-class assets, and market-leading capacity, EDPR has grown extensively in recent years. The company’s long-term growth is driven by favorable renewable energy market conditions. EDPR is committed to renewable energy generation which has become reliable and competitive due to technological advancements that have led to greater efficiencies. The company operates in the most attractive markets, continuously expanding to new areas of the world. EDPR is currently present in the United States, Spain, Belgium, Brazil, Canada, France, Italy, Mexico, Poland, Portugal, Romania, and the United Kingdom. EDPR is listed on the Euronext Lisbon Stock Exchange (NYSE Euronext: EDPR).

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