



Hand Hills Wind Project Newsletter

145 MW

Nameplate Capacity

68,000

Homes Powered

175

construction jobs

We began construction on the Hand Hills Wind Project in fall 2021 with roads and turbine work areas, before pausing through the winter months. Construction is planned to restart in early April, and will continue through to early 2023. When complete, the 145 MW wind project will consist of 29 wind turbine generators, access roads, an electrical collection system, substation, and a 9.6 km-long transmission line.

Below is an overview of the key next steps involved in building the Hand Hills Wind Project from civil works to operation. Enclosed you will find a map of the turbine locations and the transmission line route. As construction progresses, we will keep the community informed with a plan of what to expect.

Project Construction Plan



APRIL TO JULY: CIVIL WORKS

A laydown yard for site equipment and supplies was completed in 2021. Construction remobilization will begin with public road improvements, building additional access roads and wind turbine pads.



APRIL TO OCTOBER: TURBINE FOUNDATIONS & ELECTRICAL COLLECTION SYSTEM

In April, we will begin construction of the overhead and underground collection system. This is expected to be completed in September.

From May to October, foundations for the wind turbines will be constructed from concrete and steel.



APRIL TO SEPTEMBER: ELECTRICAL INSTALLATION

Construction of the substation will begin in April and continue through to September.

The permit and license for the Hand Hills transmission line was received from the Alberta Utilities Commission in March 2022 and enclosed is a map of the approved transmission line route. Transmission line construction will begin in April with vegetation clearing. In June, we will begin structure placement and in September the line will be energized.

Construction Next Steps



SEPTEMBER TO OCTOBER: WIND TURBINE COMPONENT DELIVERY

Turbine components including the towers, blades and nacelles will be delivered to site.



SEPTEMBER TO JANUARY 2023: TURBINE ASSEMBLY

Once equipment is delivered to site, turbine assembly will continue through to January 2023. Turbines will be assembled and installed using cranes.



OCTOBER TO EARLY 2023: CLEAN UP AND COMMISSIONING

The first turbines will be commissioned in October.

When construction is complete, the construction site will be cleaned up and the facility will begin commercial operations.

Learn more at www.blueearthrenewables.com/handhills

Giving Back Where We Live, Work and Operate

As an Alberta-based company, we are proud to be a part of the community, and we look forward to working with you to strengthen the local economy and give back to the community for decades to come. In 2021, we invested over \$100,000 in the communities where we live, work and operate as part of our commitment to helping build healthy, thriving communities.

Do you have a local community investment suggestion?

We are always looking for local input on how BluEarth can make a difference. Review our funding criteria and submit a funding application online at blueearthrenewables.com/our-funding-criteria/

BluEarth Renewables brings together extraordinary people with the power to change the future™ by delivering renewable energy to the power grid every day. We are a leading, independent, power producer that acquires, develops, builds, owns and operates wind, hydro and solar facilities across North America. Our portfolio includes 513 MW_{AC} (gross) in operation, 800 MW_{AC} (gross) of projects with power purchase agreements or offtake under negotiation, and approximately 3 GW future development projects.

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