

# Bull Creek Wind Project

## Newsletter No. 3



## Project Update

Since the Bull Creek Wind Project was approved in February 2014, BluEarth has been working to find ways to optimize the project, and to ensure compliance with the conditions of the approval. Over the past few months, BluEarth completed and filed supplementary noise measurement work and initiated additional pre-construction environmental studies, including work on birds, bats and wetlands in consultation with Alberta Environment and Sustainable Resource Development.

Some design changes were recently brought forward to optimize the project design, mitigate against potential interconnection delays and align it with the power purchase agreements that are in place.

A summary of these changes is provided below:

- Change of wind turbine model from GE 2.5-103 to GE 1.7-103. The turbines have a reduced hub height as compared to the previously approved turbines and will comply with all sound-related requirements
- Reduction in the overall number of wind turbines from 46, to up to 17; all of which would be sited at locations already authorized in the existing AUC approval
- Reduction in total installed capacity from 115 MW to up to 29.2 MW
- Interconnection to the local electrical distribution system rather than the electrical transmission system, removing the need for a dedicated project substation

In October we held open houses in Provost and Chauvin to discuss the changes and seek input from the community. We would like to thank everyone who attended our open houses and met with our team to discuss project changes.

BluEarth decided to move forward with the changes and filed an amendment with the Alberta Utilities Commission on November 18, 2014. To view the amendment application, visit [https://www.auc.ab.ca/eub/ddc/iar\\_query/ViewApplication.aspx?appnumber=1610995](https://www.auc.ab.ca/eub/ddc/iar_query/ViewApplication.aspx?appnumber=1610995).

As always, we are available if you have any questions or comments at 1-844-214-2578 or [BullCreekWind@bluearth.ca](mailto:BullCreekWind@bluearth.ca).

### In this newsletter

At BluEarth Renewables we believe in keeping our neighbours and landowners informed about our projects. Whether it is face-to-face meetings, on our website or here, in our Bull Creek Project newsletter, we understand the importance of communicating with our stakeholders. In this newsletter you will find an update on our recently filed amendment application and recent wind power related health studies available on our website.

### Project Schedule

Amendment Submitted to AUC	November 2014
Completion of Permitting & Start of Project Construction	April 2015
Commercial Operation	December 2015

### Did you know...

"In Alberta, coal pollution is related to 4,800 asthma days (missed work or school because of asthma), 700 hospital visits, 80 hospital admissions and approximately 100 premature deaths."

Canadian Association of  
Physicians for the Environment



To view the Bull Creek Wind Project  
Amendment Application visit:  
[www.auc.ab.ca/applications](http://www.auc.ab.ca/applications)  
Application number: 1610995

## Health Canada study on Health Impacts of Wind Turbine Noise

In November the long-awaited study on wind turbine noise and health impacts was released by Health Canada. The landmark \$2.1 million study was described by Health Canada as the most comprehensive of its kind, concluding what researchers and previous studies have been saying for some time, that noise emitted from wind farms poses no health risks.

For a more detailed summary of the findings visit the Health Canada website at [www.hc-sc.gc.ca](http://www.hc-sc.gc.ca)

BluEarth is committed to providing our stakeholders up-to-date information on wind power-related health studies. We have posted links to recent studies, including the Health Canada study, to equip our stakeholders with resources to assist with decision-making. For further information, visit: [www.blueearthrenewables.com/news/resources](http://www.blueearthrenewables.com/news/resources)

## Building a Wind Facility



There are many steps involved in wind power facility construction which are undertaken by different types of skilled workers. Below is a summary of the steps involved:

1. **Turbine access roads are built.** This involves earth moving and site clearing.
2. **Turbine foundations are prepared.** This step involves excavation and preparing a rebar cage that will further strengthen the concrete foundation, followed by pouring the concrete for the foundation.
3. **Turbine assembly.** Under ideal conditions, a turbine can be assembled in three days. Several different cranes may be used during assembly, including a crane with a 100 metre crane arm, or boom.
4. **Electrical work is completed.** This includes work both within the turbine and ensuring the Project's collector and transmission system is functioning properly. Each turbine will go through a series of tests to ensure that the generator unit is functioning correctly and safely. A significant portion of this work will occur after all of the major construction work is completed.

## About BluEarth

Headquartered in Calgary, BluEarth Renewables Inc. is a private independent renewable power producer, focused on the acquisition, development, construction and operation of wind, water, and solar projects in North America, with a primary focus in Canada. With the most experienced renewable energy development team in Canada, BluEarth's mission is to be the Canadian renewable energy leader by developing, building, and operating a portfolio that optimizes people, planet, and profit. BluEarth believes it has the power to change the future by demonstrating how to be sustainable and profitable, leaving the world a better place. The Bull Creek Wind Project is being proposed by 1646658 Alberta Ltd., a subsidiary of BluEarth.

Visit [www.blueearthrenewables.com/bullcreekwind](http://www.blueearthrenewables.com/bullcreekwind)

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