### Hand Hills Wind Project Newsletter No. 1

Project Update

Our team was pleased that we could make it to Delia in the month of December to meet with landowners and spread some Christmas cheer. At the party landowners' questions were mainly about when we will be starting construction and while we don't have a definite answer, we can explain what is causing the delay.

One of the main reasons for the delay is the transmission infrastructure, which we require to put the power on the grid, is not completed. ATCO Electric has made an application to the Alberta Utilities Commission (AUC) for the interconnection of the Hand Hills Wind Project. BluEarth expects that if a hearing is required, it will likely be in the first quarter of 2014. A decision would generally be expected within 90 days of the close of a hearing. For further information on the AUC process or ATCO's application, visit auc.ab.ca. The proceeding identification number is 2482.

BluEarth also requires Power Purchase Agreements (PPAs) to sell the power generated by the facility before we can proceed with construction. We are continually meeting with potential customers and working to have PPAs in place in time to commence construction this year.

# CONSTRUCTION IS UNDERWAY AT THE LITTLE CREEK SOLAR FACILITY IN ONTARIO



Little Creek is one of four utility-scale solar projects purchased by BluEarth last year. These four projects have the potential to generate enough emission-free power for approximately 6,500 homes.

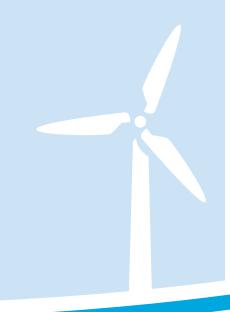
# BluEarth RENEWABLES INC.

#### 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 first Hand Hills Wind Project newsletter, we understand the importance of communicating with our stakeholders. In this newsletter you will find an update on the project and some of our activities in the community.

### Did you know...

Alberta was the first province to develop commercial wind energy and there are 760 operating wind turbines in Alberta today!



#### CHRISTMAS CELEBRATION IN DELIA



BluEarth's Tyler Jans welcomes our landowners at our Delia Christmas party on December 5th. Over 25 people braved some pretty cold weather to attend the event.

- 🔶 BluEarth's team in Delia (L-R) Tyler Jans; Kelly Matheson-King; Janet Clift and Jason Edworthy



Low-speed shaft

ower

Gearbox

High-speed shaft

Generator

#### **Your Questions Answered!**

#### **Q:** How much electricity will be produced?

A: Each of the wind turbines proposed for the Hand Hills Wind Project have the potential to produce 2.5 megawatts of electricity. Which means, over the course of the year, each turbine on average will produce enough energy to meet the power needs of about 1,000 Alberta homes.

#### **Q:** Are wind turbines noisy?

A: Wind turbines produce noise both from the mechanical equipment inside the nacelle (gearboxes and generators), as well as from the blades passing in front of the tower. Noise from all electricity generation in Alberta is rigorously regulated by the Alberta Utilities Commission based on some of the strictest requirements in North America.

#### **Q:** Are there impacts to birds and bats?

A: As with all structures, collisions with birds and bats can happen. On average, wind farms contribute to two bird mortalities per turbine per year. Wind developers continue to work on design and operational changes to reduce this number. It is important to keep in mind that wind energy has the least impact on wildlife of any form of electricity generation (with the possible exception of solar).

Rotor Hub

Nacelle

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#### **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.

For more information, visit bluearth.ca