



CYPRESS

wind project

FALL 2017

PROJECT OVERVIEW

EDF EN Canada is proposing to develop, construct, and operate the Cypress Wind Power Project with 243.6 megawatts (MW) of generating capacity. The Project is south of Dunmore, Alberta in Cypress County. In July 2017, we sent a Project-Specific Information Package, outlining the Project's next steps. Since then, we have continued to collect feedback from stakeholders, including local government officials and local businesses, to ensure that the proposed Project design is socially, environmentally, and economically sustainable. This newsletter provides a Project update prior to filing our application with the Alberta Utilities Commission (AUC).

OPEN HOUSE

We are hosting another open house in November 2017! Our Project team, along with subject matter experts, will share Project updates, gather stakeholder feedback, and answer questions.

At this open house, we will present information on the topics below:

- Updated Project schedule
- Updated information on the make and model of Turbine Option A and Turbine Option B
- Updated Project boundary and proposed infrastructure locations, including turbines, the collector system, access roads, Project laydown area, Operations and Maintenance building, and the Project collector substation
- Noise contour maps that comply with AUC Rule 012: *Noise Control* to help stakeholders understand the potential noise impacts on residences
- Results from the shadow flicker analysis
- Visual simulations that show what views might look like if the Project is approved. These simulations are representative simulations of the dimensions for Turbine Option A and Turbine Option B.

If you would like to get in touch before the open house, please feel free to contact us through the information listed on the back of this newsletter. We hope to see you there!

OPEN HOUSE



NOVEMBER 16, 2017
5:00 - 8:00 PM

Irvine and District Agricultural Society
207 Francis Street, Irvine, Alberta





PROJECT UPDATES

Wind Turbine Locations — Based on stakeholder feedback, engineering design, and further environmental studies, the proposed Project will move forward with **two proposed turbine models at this time: Option A and Option B**. The details of these two options are outlined below. We will present details for each option at the open house, including visual simulations for each option.

You can see the proposed turbine locations for both Option A and Option B in the maps included in this package.

We will include only one turbine option in our application to the AUC, and we will notify you of this selection prior to filing our application in early 2018.

Option A

- Vestas v136 4.2 MW
- 58 potential turbine locations
- 4.2 MW capacity per turbine
- 82-metre hub height
- Rotor diameter of 136 metres
- Total proposed Project capacity of 243.60 MW

Option B

- Gamesa G132 3.465 MW
- 62 potential turbine locations
- 3.465 MW capacity per turbine
- 84 - metre hub height
- Rotor diameter of 132 metres
- Total proposed Project capacity of 214.83 MW



Electric system

Each turbine will be linked to the Project substation by a medium-voltage collector system. We will bury the low-voltage cables underground wherever practical. The Project collector substation is located on SW-26-10-4-W4M and can be seen on the map included in this package.

Interconnection

The Project will be interconnected to the 240-kilovolt transmission system in the area, which is operated by AltaLink.



Project boundary and design

The project boundary now includes the part of the S1/2 of 36-10-4-W4M and all of SE-24-10-4-W4M

Access roads and other facilities

During the Project's development and operations, EDF EN Canada will use existing municipal roads to access the Project site wherever practical. There will also be an operations and maintenance building on the Project lands located at SW-26-10-4-W4M. We will work with the municipality to develop a road use agreement. During construction, EDF EN Canada may also require a temporary laydown area, which will be located adjacent to the proposed substation.



Meteorological towers

We have already installed two temporary meteorological towers at the Project site to measure wind speed, wind direction, air temperature, and barometric pressure. We will install permanent meteorological towers for monitoring during the operational phase. We have not yet determined the number, height, and specific locations of the permanent meteorological towers.

Temporary laydown areas

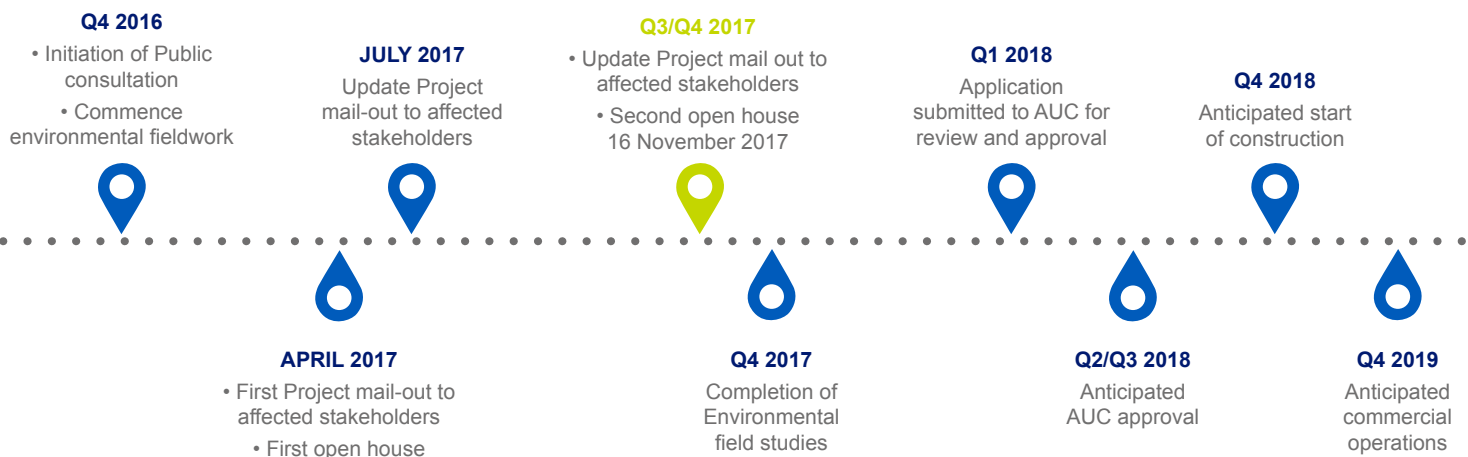
The Project will use temporary laydown areas to assist in staging during the construction phase. These laydown areas will be located adjacent to the proposed project substation. Updated locations for the operations and maintenance building, project collector substation, and temporary meteorological towers areas can be found on the maps included in this package.

WHY WIND, WHY NOW?

Alberta is changing its mix of power generation to include a larger portion of renewable energy, including wind and solar power. In March 2017, the Alberta Electric System Operator (AESO) launched the Renewable Electricity Program (REP) to encourage the development of renewable power through a series of competitions. The first round of the REP competitive procurement program includes the procurement of up to 400 megawatts of renewable electricity for projects that will produce electricity by December 1, 2019. EDF EN Canada responded to the request for qualifications for the Cypress Wind Power Project in June 2017 to be part of the REP. EDF EN Canada will notify all stakeholders of the next steps once we have public information from the AESO regarding their procurement.



ANTICIPATED PROJECT TIMELINE



ENVIRONMENTAL WORK AND TECHNICAL ACTIVITIES UNDERWAY

We are working to complete environmental studies to better our understanding of any potential environmental impacts from the Project. The completed studies include the following:



Wildlife

Spring birds, spring bats, and sensitive species



Vegetation

Habitat mapping and native prairie grass



Wetlands

Mapping and classification



Noise

Initial impact assessment



Wildlife

Fall bird and bats field surveys



Historical resources

Archaeological and cultural features desktop studies

Throughout the Project's development, we have worked closely with Alberta Environment and Parks to ensure a robust understanding of the site. We will seek sign-off for the wildlife referral report and the environmental evaluation from Alberta Environment and Parks in Q4 2017.

COMMUNITY BENEFITS

EDF EN Canada values the long-term benefits of working with the local community. If the Cypress Wind Power Project is approved, the local community will benefit from the following:

- Employment opportunities during the Project's construction and operations;
- Contract opportunities for local businesses;
- Royalties for landowners;
- Local investments into hospitality and construction services during the Project's development, construction, and operations phases;
- Tax revenue for the County throughout the Project's life.

These benefits will enrich the community throughout the Project's life — which will be more than 25 years. At EDF EN Canada, we want to have a strong relationship with the community, which is why we strive to be an active corporate citizen. We look to support local causes and events that are important to the community.

ENGAGEMENT

WITH THE COMMUNITY



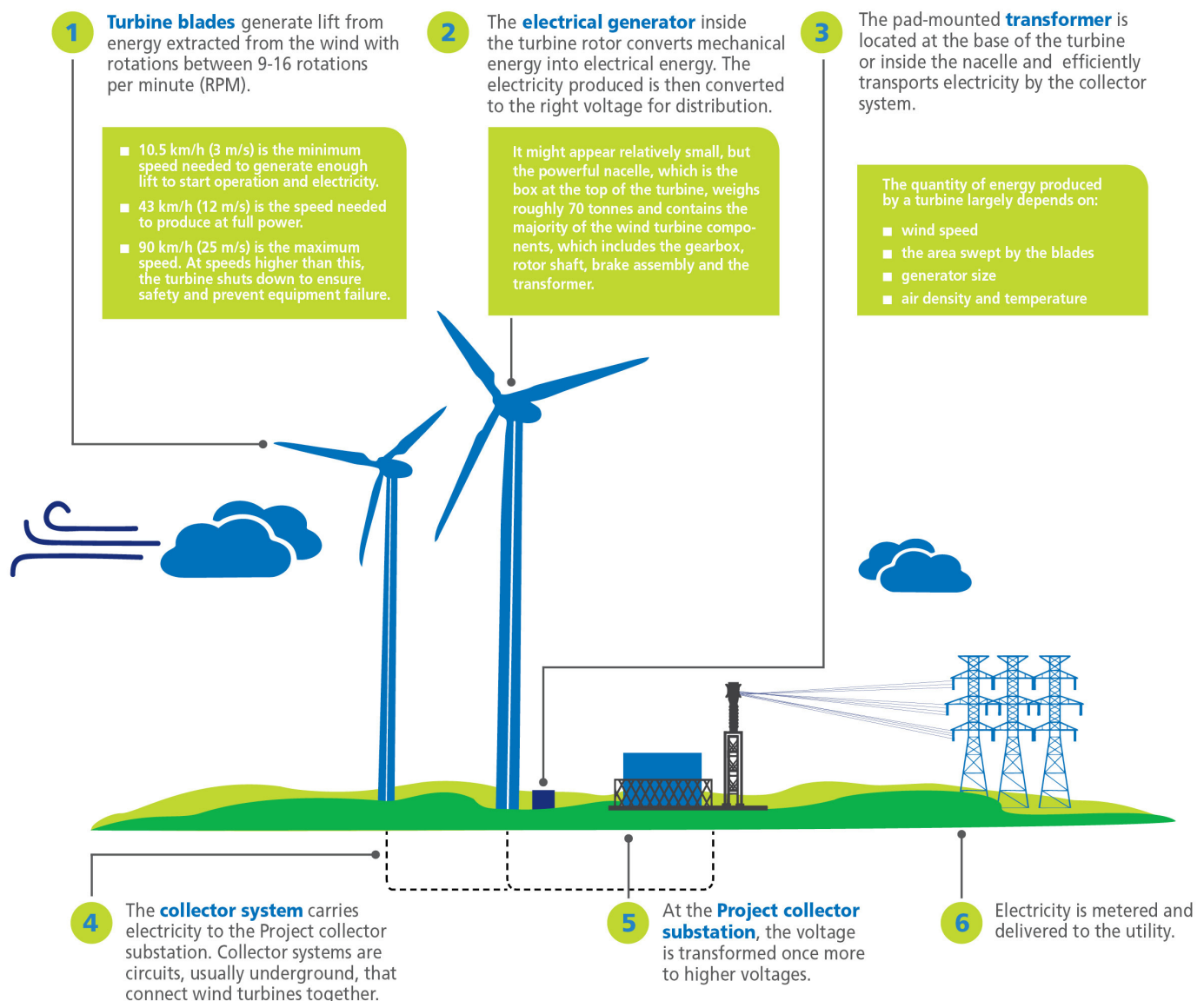
If you have an idea of how we can get involved, please let us know!

NEXT STEPS

As EDF EN Canada moves through the regulatory and permitting process, we will continue to engage with landowners and stakeholders to ensure that we continue to build a strong relationship with the community. **We will continue to assess stakeholder responses, incorporating feedback to better the project wherever practical.** We truly appreciate the feedback we have received so far, and we encourage you to continue to provide us with comments and concerns. EDF EN Canada will provide a comprehensive summary of stakeholder feedback as part of our AUC application, which we intend to submit in early 2018.



HOW WIND WORKS



FREQUENTLY ASKED QUESTIONS



Do wind turbines impact human health?

Some of the most common questions raised by stakeholders are related to noise and shadow flicker impacts. **A Health Canada study from 2012–2015 found that there is no scientific evidence to support negative effects on human health resulting from exposure to wind turbine noise.**

More information is available from the Health Canada study at www.canada.ca

EDF EN Canada has completed a third-party noise impact assessment. The assessment considers Alberta Utilities Commission Rule 012: Noise Control, and it includes cumulative sound emissions from nearby facilities, including oil and gas facilities. **Noise levels must not exceed 40 decibels at nighttime. Our Project must comply with this Rule or the AUC will not approve it.** The results of the assessment are demonstrated in the Project Layout and Noise Map for Turbine Option A and Turbine Option B.

EDF EN Canada has conducted a shadow flicker analysis to ensure we locate turbines properly to mitigate shadow flicker impacts. The results of this study are available in the Shadow Flicker Impacts Map for Turbine Option A and Turbine Option B. This study considers the probability of cloud cover, but it does not consider the orientation of residences or the location of windows in residences.



What is the emergency response protocol in the event of a fire?

Safety is a core value of EDF EN Canada. During construction, we will employ a robust safety protocol, including restricting public access to the construction site. In addition, there will be security controls on site and we will employ traffic mitigation strategies. We will continue to consult with the community throughout the process.

During operations, the Project will have a supervisory, control, and data acquisition system that connects each turbine to a central operating system. This system monitors the turbines 24 hours a day, seven days a week. In the event of an emergency, the controller will send an automatic alarm notification to the operations staff and the remote operations centre. The on-site staff or the remote operating staff will initiate a shut down. If a fire is detected, staff will immediately call 911 to dispatch the local fire department, and staff will implement the protocols outlined in the emergency response procedures. **EDF EN will work closely with local emergency services to develop an emergency response plan before construction begins.**



How do you plan to manage construction dust and increased traffic?

We will implement dust mitigation measures during the Project's construction. We will determine these measures in consultation with Cypress County. We will also discuss haul routes for turbines and other infrastructure with Cypress County. We will limit the time for construction associated traffic to Monday through Saturday and from 7:00 a.m. to 5:00 p.m.



How long will construction take?

We anticipate construction will start in Q4 2018 and will end by December 2019. Construction typically includes civil works, access road preparation, foundation installation, turbine erection, collector system installation, and electrical and mechanical completions.



Will my property value be impacted?

While there have been no studies conducted on this subject in Alberta, an Ontario-based study, *The Effect of Wind Turbines on Property Values in Ontario: Does Public Perception Match Empirical Evidence?*, was conducted around the Melancthon wind farm. Over 7,000 home and farm sales were analyzed. **It was found that wind turbines had no significant impact on nearby property values.** Studies conducted in the United States have found similar results.



What steps are you taking to protect the environment, specifically birds and bats?

EDF EN is completing environmental studies on the Project lands. The subjects of these studies include vegetation, wildlife, and wetlands. Based on the survey results, we have applied the appropriate setbacks for the Project infrastructure from sensitive locations. We will submit the results of our surveys and environmental evaluation to Alberta Environment and Parks for its review.

All wind projects in Alberta must consider their potential impact on wildlife. Examples of precautionary measures include implementing setbacks from habitats, avoiding the extensive use of above-ground transmission lines, and ensuring an appropriate distance between each turbine. After construction, EDF EN will continue post-construction monitoring, as required.

CONTACT US

If you have any questions or concerns regarding Cypress Wind Project, please contact a Project team member at:

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For more information about EDF EN Canada Inc.:

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