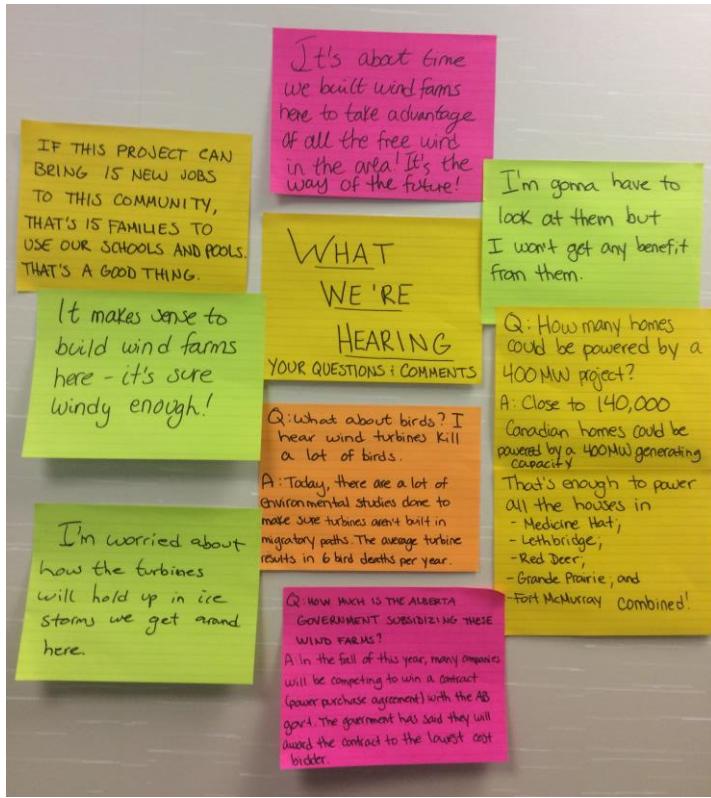


Forty Mile Wind Power Project Frequently Asked Questions



Questions and comments received from community members at the Bow Island Trade Show in April 2017

What we're hearing

Since early 2016, Suncor has been engaging with community members in and around the County of Forty Mile No. 8. This document shares a list of commonly asked questions regarding wind power developments, as well as our responses.

The questions and comments included in this document are a summary of what we've heard from conversations with County administration, landowners, residents, and community members. To view the full list of questions and responses please visit www.suncor.com/fortymilewind.

If you would like to further discuss any of these questions, or would like to share any comments or concerns about the proposed Forty Mile Wind Power Project ("Project"), please contact us using information below.

Q: I see by the map that you have a defined Project area. Where will turbines be located? Are there alternate turbine locations?

The initial layout showing draft turbine locations was shared with Project landowners in early May 2017. This layout was also shared with the public at the community open house on May 17, 2017 at the Bow Island Multiplex.

The current layout shows more turbines locations than will be needed for a 400MW Project. The additional turbines locations are needed to account for unforeseen constraints that may be identified during detailed engineering.

Based on our consultation in August 2017, we will revise the Project layout to include additional stakeholder feedback. This layout will be shared with stakeholders in the fall of 2017, before the Project application is submitted to the Alberta Utilities Commission (AUC).

Q: What kind of turbine are you using? How big will the turbines be?

A turbine manufacturer and size of machine have not yet been selected for the Project. We are currently considering turbines that are 2.5 Megawatts or larger. The turbine towers could be up to 110 metres in height and the rotor diameter could be up to 145 metres.

Q: How do I get a job with the construction work?

The Project is subject to winning a contract through a competitive bid process. However, should Suncor move this project into construction phase, we anticipate approximately 150 jobs in the construction phase.

If you are a local contractor and would like more information about Suncor's procurement process, please contact fortymile@suncor.com.

Q: Where is the Operations and Maintenance building going to be located?

The Operations and Maintenance building location has not been determined, however, it is desired to be in close proximity to either the Maleb or Granlea substation.

Q: What is Suncor doing to minimize the shadow flicker caused by the turbines?

Shadow flicker is a term used to describe the effect of shadows cast by the turbine blades as they rotate. Currently the Province of Alberta does not set standards for shadow flicker; however, Suncor uses industry best practices as an input to locating our turbines.

Q: What is Suncor doing to minimize noise from the Project?

All energy Projects in Alberta must complete a Noise Impact Assessment and meet the requirements of Alberta Utilities Commission Rule 012: Noise Control. Alberta's regulations require cumulative sound emissions to be considered and this means that all oil and gas facilities near the Project must also be considered in the sound modelling.

Suncor follows the modeling techniques and processes specified by the Alberta Utilities Commission and uses the results to either move turbine locations or adjust operating practice to ensure noise from any one turbine complies with regulatory requirements.

Q: How might this Project affect my property value?

There are a number of factors that impact property values and it is difficult to isolate the potential impact of any single variable. What we do know is that multiple studies have consistently found no evidence that wind energy Projects around the world are negatively impacting property values.

In fact, wind energy Projects provide new sources of stable revenue for municipalities and landowners in the form of taxes and lease payments.

Q: Besides the turbines, what other things are included in a Wind Power Project and how are they planned?

Besides the wind turbine generators, typical facilities include turbine access roads, collection cables, meteorological towers, and substations. These facilities have been defined in the current Project layout.

The location of additional facilities including the operations and maintenance building and temporary laydown area have not yet been finalized and will be shared at a later date.

Turbine locations, road and collector systems are being designed in consultation with landowners and other stakeholders like Alberta Environment and Parks and the County of Forty Mile. In order to connect the electricity collection system between turbines, Suncor may be required to place infrastructure in municipal right-of-way. Suncor is working with the County of Forty Mile to define these requirements.

All other Project infrastructure will be placed on private land where Suncor works with the landowner to define lease boundaries and requirements for our infrastructure. The collection cables installed on private lands are designed to minimize impacts to farmers and may be located above or below ground. If below, they are placed a minimum one metre below grade to allow for safe farming over the cables.

At this stage of the Project, sources for the contractors, material and equipment required to build the Project are also being generated based on local availability and facility requirements.

We strive to support local development and business where possible and are maintaining a list of vendors who have identified themselves as being interested in future opportunities as the Project progresses. Interested vendors are invited to send their details to fortymile@suncor.com.

Q: How big is 400 Megawatts (MW)?

A 400 MW Project is big enough to power up to 140,000 homes. That is enough to power the homes in Medicine Hat, Lethbridge, Red Deer, Grande Prairie and Fort McMurray combined.

Contact information

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