



FORTY MILE WIND POWER PROJECT

INTRODUCTION

In August 2018, Renewable Energy Systems Canada Inc (RES) received approval from the Alberta Utilities Commission (AUC) to build and operate the Forty Mile Wind Power Project (Forty Mile or the Project). Forty Mile is a wind energy generation project of 399 MW located about 6 kilometers (km) east of Bow Island in The County of Forty Mile No. 8, Alberta.

You are receiving this newsletter because you live or own property in or near the Project area and we would like to provide you with an update on the Project and related activities. RES would like to thank you for your continued support and interest in the Project. We value our relationship with the community and are dedicated to maintaining ongoing and meaningful engagement with stakeholders.

Over the past couple of years, RES has been working through the impacts of the COVID-19 pandemic on the Project. The COVID-19 pandemic has affected global supply chains, financial markets, construction practices and development activities, and we have been working through these challenges to select a new turbine technology, secure a power purchase agreement with a corporate client, split the Project into two phases and update the Project layout.

PROJECT UPDATE

As part of ongoing efforts to optimize the Project with the latest technology and minimize the impact to the community, environment and wildlife, we are introducing modifications to the previously approved Project layout. The modifications, described in detail below, are considered minor and will reduce the overall impact of the Project.

CHANGE IN TURBINE MODEL

We have selected a new turbine manufacturer and model. The new turbine model, the Nordex N155, will have a slightly higher hub height and a larger rotor diameter, as well as a higher rated capacity. This allows us to significantly reduce the number of turbines installed while maintaining the same Project capacity, thereby minimizing the overall impact.

We have eliminated 45 turbines and associated access roads and collector system components from the Project layout. Remaining turbine locations will move slightly but will remain within 100m of their previously approved location, and associated collector system components and access roads will be adjusted accordingly to reduce impacts to the land and sensitive features.

Turbines with aviation warning lights will be equipped with light mitigation technology. More details on the mitigation technology will be provided once the various technologies have been evaluated and final selection has been made.

We have completed new noise impact and shadow flicker assessments for the proposed layout changes. The updated noise impact assessment includes sound emissions from nearby existing and approved energy facilities. Noise levels at receptors remain below the Permissible Sound Levels in AUC Rule 012: *Noise Control*. The updated shadow flicker assessment results confirm that the Project remains well under the recommended limits. Please refer to the enclosed noise and shadow flicker contour map for more details. Additional details relating to the results of noise and shadow flicker modeling for each residence within 1.5 kilometres of the Project are available upon request.

Visual simulations have been updated are available for review on the Project Website.

Included in this Package:

- Newsletter
- Updated Project layout map
- Noise and shadow flicker contour map
- AUC brochure

OTHER PROJECT COMPONENTS

The previously approved Forty Mile 516S Substation will remain in same location and will still comprise three 240kV-34.5kV main power transformers. Each main power transformer may have a slightly higher rating than the previously approved size, though this will be determined during detailed design.

The temporary laydown yard has moved two miles north to NW, 35, 10, 10, 4 for easier access just south of Highway 3. The Project will also have up to five permanent meteorological towers, though the final locations of these towers have not yet been determined. More information will be provided once the locations have been determined.

PROJECT PHASES

The Forty Mile Wind Project will now be built in two phases. Phase 1 could start construction as early as late summer or fall 2022 on a select few access roads with full mobilization in 2023 and comprise 49 turbines for a total generation capacity of 279.3 MW. The AESO Interconnection process for Phase 2 of the Project will be initiated shortly to connect Phase 2 to the previously approved Forty Mile 516S Substation. RES anticipates starting construction on Phase 2 in Spring of 2024 and it will comprise 21 turbines for a total capacity of 119.7 MW.

The two phases are represented on the enclosed Project Layout Map. Note that the map contains alternate turbines which would be used if one of the preferred turbine locations was not approved by the AUC.

INFRASTRUCTURE COMPARISON TABLE

	Approved Layout	Updated Layout		Changes
		Phase 1	Phase 2	
Turbine model	Gamesa G132-3.465	Nordex N155-5.7		New turbine technology
Total Project nameplate capacity	398.5 MW	279.3 MW	119.7 MW	Minor increase in capacity
Number of turbines	115	49	21	Reduced number of turbines
Turbine capacity	3.465 MW	5.7 MW		Increase in turbine capacity
Hub height	101.5 m	108 m		Increase in hub height
Blade length	66 m	77.5 m		Increase in blade length
Area of permanent Project footprint	63.66 ha	34.93		Decrease in footprint
Location of Substation	NE, 7, 10, 9, 4	NE, 7, 10, 9, 4		No change
Number of Main Power Transformers (MPT)	3	3		No change
Size of MPTs	90/120/150 MVA	94/125/156 MVA		Slight increase in MPT size
Number of 240kV Circuit Breakers	4	2	1	Fewer circuit breakers
Number of 240kV Disconnect Switches	5	3	1	Fewer disconnect switches
Location of Temporary Laydown Yard	SE, 27, 10, 10, 4	NW, 35, 10, 10, 4		Moved north

CHANGE OF OWNERSHIP

Finally, since the Project received its AUC Approval in 2018, the ownership of the Project has changed. The Forty Mile Wind Power Project is now owned by RES Forty Mile Wind LP as represented by its general partner RES Forty Mile Wind GP Corp. RES Forty Mile GP Corp. is a wholly owned subsidiary of RES.

UPDATED PROJECT SCHEDULE

• AUC Permit Update Submission	Q2 2022	• Phase 1 Construction and turbine erection	Q2 2023- Q3 2024
• Anticipated AUC Approval	Q3 2022	• Phase 1 Commercial Operations	Q3 2024
• Municipal Development Permit Submission and Approval	Q3 2022 / Q1 2024	• Phase 2 Construction and Turbine Erection	Q2 2024- Q1 2025
• Anticipated Start of Construction	Q3 2022	• Phase 2 Commercial Operations	Q3 2025

**Timeline is subject to change*

PERMITTING UPDATE

In August 2017, Alberta Environment and Parks (AEP) issued a Referral Report for the Forty Mile Wind Project. This Referral Report was based on desktop and field data that had been gathered over the preceding survey seasons. An amendment to the Referral Report was issued in November 2017 following changes to the Project layout and receipt of additional survey results. Since then, to keep surveys current and maintain compliance with AEP's Wildlife Directive for Wind Energy Projects, RES completed wildlife surveys in 2018 and 2020 and will update all wildlife studies again this year. An update will be provided to AEP in the coming weeks to discuss the Project changes, any new environmental features in the Project area and relevant mitigation measures. RES has taken care to avoid environmental features to the degree possible.

To update our current AUC approval, we anticipate filing a Proposal for Minor Alterations with the AUC in early summer 2022. If you would like to view the application after submission, you will be able to access it from: www.auc.ab.ca. Should you require assistance, the AUC can be reached at: 310-4AUC (310-4282 in Alberta) or 1-833-511-4AUC (1-833-4282 outside Alberta). More information about the AUC review process can be found in the attached AUC brochure: *Participating in the AUC's independent review process to consider facility applications*.

In parallel, we expect to file a Facility Application to interconnect the Project to the electricity transmission system (Connection Project) with the AUC in early summer 2022. Specific information about the Connection Project will be mailed to stakeholders and posted to the Project website prior to submitting the application to the AUC.

Finally, RES will seek Development Permits from the County of Forty Mile summer of 2022 for any construction planned for this summer and in Q1 of 2023 for the rest of Phase 1 of the Project following AUC Approval.

LOCAL BENEFITS

The Forty Mile Wind Project will bring substantial local economic and social benefits to the community. These include:

- Significant municipal tax revenues throughout the life of the Project
- Annual lease payments to landowners hosting the Project, providing a parallel, secure revenue stream to standard farming operations
- Construction and operations jobs and support services during construction and throughout the life of the Project
- Contracting opportunities for local business
- Increased local spending on goods and services during the Project's development, construction and operational phases

RES IN YOUR COMMUNITY

RES is an active player in the community and supports fundraising events and local initiatives that bring benefit to the community.

If you have any ideas on how we can take an active role in the community, please send your sponsorship and donation requests to:

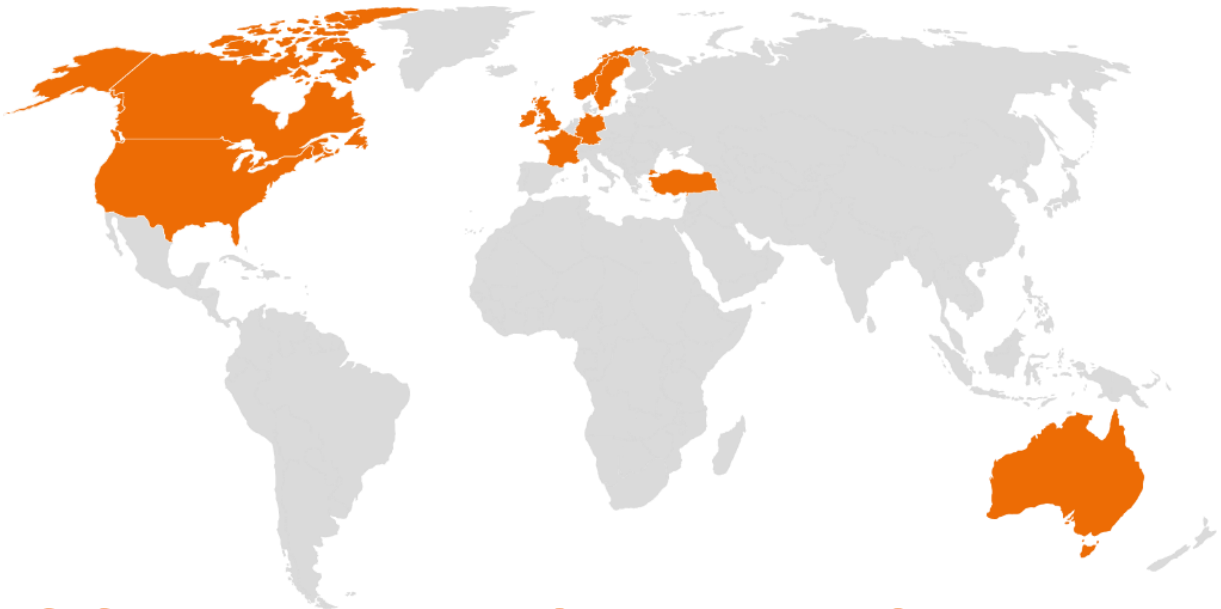
fortymile.wind@res-group.com



ABOUT RES

RES, the largest independent renewable energy company in the World, is a family-owned business, owned by the McAlpine Family Trust, and has been in the renewable energy business since 1981. Through our corporate culture and values, we are dedicated to a zero-carbon future for all Canadians and our focus is solely on renewable energy projects (wind, solar) and supporting & enabling projects (energy storage, transmission). RES has been developing, constructing, owning and/or operating renewable energy, transmission, and energy storage projects in Canada since 2003. RES has developed and/or built 28 projects across Canada.

Please visit: <http://www.res-group.com> for more information.



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