

Supplement to the Wind Energy Permit Application

For the
Jericho Rise Wind Farm

Towns of Belmont and Chateaugay
Franklin County, New York

Submitted To: Town of Belmont
PO Box 35
Brainardsville, NY 12915

Submitted By: Jericho Rise Wind Farm, LLC
808 Travis Street; Suite 700
Houston, Texas 77002

September 2015

In or about June 22 2007, Burke Wind Power LLC, the corporate predecessor to Jericho Rise Wind Farm LLC, filed an application with the Town for a 87.45 MW wind farm Project. The application provided the information required consistent with the Towns' local zoning requirements. The application was deemed complete, and, consistent with the requirements of the State Environmental Quality Review Act ("SEQRA"), the Towns determined that the Project was a Type I Action and required the preparation of an Environmental Impact Statement. The application remained pending during the Draft Environmental Impact Statement (DEIS) review process, The DEIS was deemed complete in February 2008. This supplement to the application is being provided to update the Towns regarding the Project and to provide an explanation and description of the recent project updates and revisions since the DEIS. As described in more detail below, Project components are located within a Project area similar to that identified in the June 22, 2007 application. The information below is presented in the order (and according to the numbering) of Section 10 of Local Law No. 2 of 2006, entitled Wind Energy Facilities ("local wind law").

1. Applicant: Jericho Rise Wind Farm, LLC (formerly Burke Wind Power LLC)
808 Travis Street, Suite 700
Houston, Texas 77002
(503) 535-1519
Contact: Aron Branam
2. An updated list of names, addresses, and telephone numbers of participating landowners are presented in Exhibit 1, attached. Letters of permission from participating landowners that (i) confirm they are familiar with this application and (ii) authorize submission of the application are attached as Exhibit 2.
3. Tower location data, including tax parcel information (Tax Map section, block number, and lot number) is included in Exhibit 3.
4. Project Description:
As was stated in the original application, Jericho Rise Wind Farm LLC (the Applicant) proposes to construct a wind- powered generating facility within the Towns of Chateaugay and Bellmont in Franklin County, New York. The Project will be developed on approximately 5,895 acres of leased private land as depicted in Exhibit 4. Project construction is currently anticipated to commence in 2016. The Project presented herein consists of up to 37 wind turbine generators (referred to in the local law as Wind Energy Conversion Systems or WECS) each with a nameplate capacity of 2.1 megawatts (MW), for a total anticipated nameplate generating capacity of 77.7 MW. However, to allow for flexibility on final site selection, the Applicant is also evaluating and seeking approval for six alternate turbine sites, for a total of up to 43 sites. The total Project size is limited by the interconnection request approved by the New York Independent Systems Operator at 77.7 MW

In addition to the wind turbines, the project will consist of the installation of a meteorological (met) tower, a temporary construction and laydown area, an operation and maintenance facility, and an electrical substation and switchyard. Exhibit 4 shows the updated proposed turbine locations,

Since the original application, the turbine proposed for the Project has been updated. The wind turbine generators proposed for this project are the Gamesa 2.1 MW G114. Additional information regarding the physical characteristics of the Gamesa G114 turbines is included as Exhibit 7. Each wind turbine consists of three major mechanical components. These are the tower, nacelle, and rotor. The height of the tower proposed for this site, or "hub height" (height from foundation to top of tower), is approximately 93 meters (305 feet). The nacelle sits atop the tower, and the rotor hub is mounted to the drive shaft within the nacelle. The total turbine height (i.e., height at the highest blade tip position) is approximately 150 meters (492 feet). According to Section 12.A.13 of the local wind law, the total height of any wind turbine is limited to 400 feet. However, the Applicant notes that the advances of turbine technology since 2006 (when the local wind law was adopted) now allow for a

more efficient capture of the wind resource in a given location through use of larger rotor diameters and taller hub heights, potentially minimizing the total number of turbines necessary to generate the same amount of renewable electricity. Therefore, as discussed in other sections of this application, the Applicant is hereby requesting a waiver from Section 12.A.13 of the local wind law.

The proposed Project will have an electrical system that includes a system of buried cables to collect electricity from the wind turbines. The electricity will then be transmitted through overhead and buried electrical lines, to a collection substation and point of interconnection (POI) switchyard that transfers the electricity generated by the Project to the existing regional power grid. The total length of buried cable transmitting electricity between the turbines and the collection substation will be at approximately 20.1 miles. The collection substation and the POI switchyard remain as stated in the original application and will be located on private land adjacent to the New York Power Authority (NYPA) Willis substation and Willis-Malone 115 kV transmission line in the Town of Chateaugay.

The existing network of state, county and local roads will be used to deliver equipment, components, and materials to the Project area. The Project will also require the construction of new or improved private access roads to the proposed turbine sites. The proposed location of Project access roads is shown in Exhibit 4. The total length of access roads required to service all proposed wind turbine locations is approximately 12.4 miles, the majority of which will be upgrades to existing farm lanes and gas well access roads. The roads will be gravel-surfaced and typically 16 to 40 feet in width. The Applicant will be responsible for all maintenance of any new private roads.

One 93-meter (305-foot) tall, self-supporting (unguyed) met towers will be installed to collect wind data and support performance testing of the turbines. The Applicant anticipates that the tower will be a galvanized conical steel structure, with wind monitoring instruments suspended at the end of booms attached perpendicular to the tower. Red aviation warning lights may be mounted at the top of both towers in accordance with FAA requirements.

5. Detailed Project plans and drawings are being provided as an appendix to the Supplemental Environmental Impact Statement (SEIS), Additional details will be provided in the Final Environmental Impact Statement (FEIS) after the public and lead and involved agencies have had an opportunity to comment on the Project. Please note the following:
 - a. Property lines that define the Project Site are depicted graphically in Exhibit 5. Physical dimensions will also be provided when the construction drawings are prepared, which will be included as an appendix to the FEIS.
 - b. All residences within five hundred (500) feet of the boundaries of the WECS site are identified in Exhibit 7.
 - c. Location and elevation of each proposed WECS is included with Exhibit 3.
 - d. Location of all above ground utility lines on the Site or within one radius of the Total Height of the WECS, transformers, power lines, interconnection point with transmission lines, and other ancillary facilities or structures is provided in Figure 8 of the Supplemental Environmental Impact Statement (SEIS), which depicts the Project layout on recent aerial imagery.
 - e. There are no structures above 35 feet within a five-hundred-foot radius of the proposed WECS. Pursuant to local wind law, §10.5(e), electrical transmission lines, antennas, and slender or open lattice towers are not considered structures.

- f. To demonstrate compliance with setback requirements, circles drawn around each proposed tower location equal to the following radii are provided separately in Exhibit 5.
 - (i) One and a half times the tower height radius.
 - (ii) Five hundred-foot radius.
 - (iii) One thousand foot radius;
 - g. The location of all structures with dwelling units within the Project site have been identified using aerial imagery, and subsequent field investigation, and are depicted in Exhibit 5.
 - h. The distance from the center of the tower to any off-Site residence within 1,000 feet are shown in Exhibit 5.
 - i. All proposed facilities, including access roads, electrical lines, and the substation are depicted on Exhibit 4.
6. A vertical drawing of the Gamesa G-114 showing total height, and turbine dimensions is included as Exhibit 6. The tower and turbine are white. The distance between ground and lowest point of any blade is 36 meters (118 feet). The access door is located at the base of the turbine and provides access to the internal ladder cage. This door will be securely locked and accessible by authorized personnel only.
 7. The substation and POI switchyard proposed is located in the Town of Chateaugay, therefore no landscaping plan will be prepared for this application.
 8. An updated proposed Federal Aviation Administration (FAA) lighting plan is currently being developed. The preliminary lighting plan proposes that 22 turbines will be equipped with FAA warning lights and is described in further detail in Section 2.5.2.2.1 of the SEIS. The approved FAA lighting plan will be provided as soon as it is received from the FAA.
 9. A list of property owners, with mailing addresses, within 500 feet of the boundaries of the proposed Property Site is provided as Exhibit 7.
 10. Updated information regarding decommissioning has been prepared, and is included in Section 1.8 of the SEIS.
 11. Please refer to the proposed complaint resolution plan that is included as Appendix ___ of the SEIS.
 12. Project construction is anticipated to occur in a single phase, which is expected to begin in 2016 and be completed by 2017. Engineering evaluation and design has been initiated, including public road evaluations, civil design, foundation design, and electric system design (collection circuits and collector station/interconnection substation). The Project construction is anticipated to proceed as follows:
 - Vegetation clearing at turbine sites and along proposed access roads and collection line routes is anticipated to occur the first quarter (Q1) of 2016.
 - Civil infrastructure work (e.g., public road improvements, access roads construction, turbine foundation construction) is anticipated to take place in the second and third quarters (Q2 and Q3) of 2016.
 - Electrical engineering work (e.g., installation of buried interconnect and construction of the collection station/interconnection substation) is anticipated to take place from Q2 to Q4 2016.
 - Tower erection, nacelle installation, and rotor assembly/installation is anticipated to start in the summer of 2016 and be completed by November 2016.

- Project testing and commissioning is anticipated to be completed by early 2017.

Information relating to related transportation access, as it is known at this time, is included in Section 2.8.1 of the SEIS.

A preliminary geotechnical survey was conducted in support of the SEIS (SEIS Appendix __) which indicates that blasting might only be required at one turbine site (Alternate Turbine 4). If the event that Alternate Turbine 4 is built and blasting is required, a site-specific Blasting Plan will be designed in accordance with all applicable regulatory laws and safety precautions. The Blasting Plan will be developed by an experienced blasting professional and will be prepared to the town.

13. The completed Part 1 of the full Environmental Assessment Form (EAF) was included as Exhibit 11 of the 2007 Wind Energy Permit.
14. No additional applications for Wind Energy Permits for Wind Measurement Towers are submitted at this time.
15. Manufacturer's specifications for the Gamesa G-114, including make, model, picture and, noise decibel data is included in Exhibit 6. The Manufacturers' Material Safety Data Sheet documentation for the type and quantity of all materials used in the operation of all equipment including, but not limited to, all lubricants and coolants will be provided as Exhibit 9.
16. The Applicant notes that a SEQRA positive declaration was issued following submittal of the 2007 Wind Energy Permit Application. As a result of the information presented in this application amendment, the Applicant acknowledges that preparation of a SEIS is appropriate, and will be submitted to the Town on ____, 2015.
17. In accordance with #16 above, the studies listed in §10.17 of the Local Law have been included and are being evaluated during the SEQRA process.
18. A System Impact Reliability Study was conducted and approved by the Operating Committee (OC) of the New York Independent System Operator (NYISO), effective March 5, 2015. Please find included as Exhibit 9, verification from the NYISO that the Project has an approved SRIS.
19. I, Aron Branam, certify under penalties of perjury that the information included in this application is true and accurate.



Signature

2015.11.04
Date