

4906-17-02 **Project Summary and Facility Overview**

(A) PROJECT SUMMARY AND OVERVIEW OF THE PROPOSED PROJECT

No text changes from the December 21, 2009 Blue Creek OPSB Application text have occurred in this section, except for the following [Application, 2-1]:

- The Applicant has identified specific locations for 159 turbines and other related Facility components within this Supplemental Filing. The Facility will have up to 175 turbines for a maximum potential output of 350 MW.
- As part of the Facility, the Applicant is evaluating the option of purchasing concrete from a local supplier or constructing a temporary concrete batch plant for producing concrete required during construction. Two locations are being evaluated for siting the temporary batch plant: (1) a 20-acre tract in the southeastern portion of the Project area, adjacent to the O&M building, or (2) the Stoneco aggregate quarry property (Scott Quarry) located near Scott, Ohio.

(1) General Purpose of the Facility

No text changes from the December 21, 2009 Blue Creek OPSB Application text have occurred in this section.

(2) Facility Description

No text changes from the December 21, 2009 Blue Creek OPSB Application text have occurred in this section, except for the following [Application, 2-3]:

- There are approximately 106 participating landowners representing approximately 1,700 acres of leased land. The December 21, 2009 filing identified 140 participating landowners representing approximately 17,000 acres of leased land.
- The distance between turbines ranges from 892 feet to 3,617 feet. The December 21, 2009 filing identified 764 to 2,986 feet. [Application 2-4]

(3) Site Selection Process

No text changes from the December 21, 2009 Blue Creek OPSB Application text have occurred in this section.

(a) High Quality Wind Resource

No text changes from the December 21, 2009 Blue Creek OPSB Application text have occurred in this section.

(b) Suitable Transmission

No text changes from the December 21, 2009 Blue Creek OPSB Application text have occurred in this section, with the exception of the following:

- The Facility would include 103.2 miles of underground collection lines and 5.4 miles of aboveground collection lines (rated at 34.5 kV) that would tie into two smaller collector substations. The December 21, 2009 filing identified 78.6 and 3.7 miles respectively. [Application, 2-4 to 2-5]
- Approximately 7.0 miles of 115 kV aboveground collection lines would connect the two collector substations to the 345 kV Interconnection Substation. The December 21, 2009 filing identified 6.0 miles. [Application, 2-5]

(c) Available Land and Land Use Constraints

No text changes from the December 21, 2009 Blue Creek OPSB Application text have occurred in this section.

(d) Ecological and Environmental Impacts

No text changes from the December 21, 2009 Blue Creek OPSB Application text have occurred in this section.

(e) Community Support

No text changes from the December 21, 2009 Blue Creek OPSB Application text have occurred in this section.

(f) Site Accessibility

No text changes from the December 21, 2009 Blue Creek OPSB Application text have occurred in this section.

(4) Principal Environmental and Socioeconomic Considerations

No text changes from the December 21, 2009 Blue Creek OPSB Application text have occurred in this section.

(a) Ecological

No text changes from the December 21, 2009 Blue Creek OPSB Application text have occurred in this section, with the exception of the following:

- In March and April 2010, the Applicant performed additional wetland delineations for various Facility components. The Applicant will submit a Revised Wetland Delineation Report to the OPSB upon completion of the investigation and coordination with United States Army Corps of Engineers (USACE) and OEPA.
- It is the intent of the Applicant to keep total wetland impacts per location to less than 0.1 acre so the Facility can be authorized by the USACE Nationwide permit program. The December 21, 2009 application identified 0.5 acre. [Application 2-7]

(b) Land Use and Community Development

No text changes from the December 21, 2009 Blue Creek OPSB Application text have occurred in this section.

(c) Socioeconomic

No text changes from the December 21, 2009 Blue Creek OPSB Application text have occurred in this section.

(d) Cultural Resources

No text changes from the December 21, 2009 Blue Creek OPSB Application text have occurred in this section.

(e) Noise

No text changes from the December 21, 2009 Blue Creek OPSB Application text have occurred in this section, with the exception of the following:

- The Applicant is performing additional noise studies for the Blue Creek Wind Farm. The Applicant will submit the findings of the noise study following a Noise Review Meeting with OPSB in early May, 2010. [Application, 2-12]

(f) Visual Impact

No text changes from the December 21, 2009 Blue Creek OPSB Application text have occurred in this section, with the exception of the following:

- A revised shadow flicker analysis was performed in March 2010 for the new turbine layout [assuming G-90 wind turbines on 328-foot (100-meter) -tall towers] to evaluate the extent of potential shadow flicker experienced at each residence and primary transportation corridor in the Project area. The revised shadow flicker analysis resulted in predicted shadow flicker effects over 30 hours per year at 11 residences in the Project area. The Applicant plans to work with landowners to use a number of mitigation measures to reduce projected shadow flicker impacts to these affected residences. [replaces 1st paragraph, Application, 2-12 to 2-13]

(5) Project Schedule

No text changes from the December 21, 2009 Blue Creek OPSB Application text have occurred in this section, with the exception of the following: [Replaces last four sentences, Application, 2-13]

- The Applicant anticipates construction of the Facility from September 2010 through December 2011.
- The Applicant will build the Facility in one Phase rather than in two Phases as indicated in the December 21, 2009 Blue Creek OPSB Application. The Applicant will place the facility in service beginning in December 2011, with full operation of the Facility by March 2012. Figure 2-2 shows the anticipated Facility schedule [Replaces Figure 2-2]

FIGURE 2-2 [NEW: REPLACES APPLICATION FIGURE 2.2]
 Blue Creek Project Schedule

