

4906-17-03 **Project Description and Schedule**

(A) PROPOSED FACILITY DESCRIPTION

(1) Project Description

(a) Types of Turbines

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

(b) Land Area Requirements

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

- 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 depicted in Table 3-2, the total construction impact area (including turbine construction area, access roads, collection lines, substations, temporary staging and construction laydown areas, O&M building, a permanent met tower, a SODAR facility, and temporary concrete batch plant) would be 1264.4 acres. The permanent impact of the Facility would be significantly less (approximately 223.0 acres). The December 21, 2009 filing identified 793.2 acres and 236.7 acres respectively.

TABLE 3-2 [REPLACES TABLE 3.2, APPLICATION, 3-3]

Anticipated Land Requirements for Construction and Operation of the Blue Creek Wind Farm

Facility Component	Assumptions	Total Area Disturbed During Construction (including temporary and permanent operational impacts)	Area of Permanent Disturbance
Wind Turbines	159 turbines (1,200-foot or greater radius construction and permanent setback)	258 acres (150-foot radius around each turbine location)	20.7 acres (85-foot diameter)
Access Roads	41.5 miles; 40-foot wide construction; 20-foot wide permanent (20 feet of permanent gravel with 10-foot compacted shoulders during construction on each side for a total width of approximately 40 feet)	204.3 acres	101.5 acres
Crane Path	54.7 miles; 50 foot wide construction ¹ ; No impacts for permanent	331.8 acres	Zero
Underground collection lines (34.5 kV)	103.2 miles; Impacts from collector lines: 1 collector = 24 feet 2 collectors = 32 feet 3 collectors = 40 feet 4 collectors = 48 feet 5 collectors = 56 feet No impact for permanent (per circuit)	284.9 acres	Zero
Aboveground collection lines (34.5 kV)	5.4 miles; 100-foot wide construction corridor; 100-foot wide permanent corridor in forested areas; 5-foot wide permanent elsewhere	66.1 acres	7.3 acres
Aboveground collection lines (115 kV)	7.0 miles; 100-foot wide construction corridor; 75-foot wide permanent	84.5 acres	63.4 acres
Southern 20-acre Parcel (see below)		20 acres all components	20 acres all components
<i>Interconnection Substation</i>	5 acres construction; 5 acres permanent (within 20-acre parcel on southern portion of Project area)	Within above calculation	Within above calculation
<i>Project Collection Substation</i>	5 acres construction; 5 acres permanent (within 20 acre parcel on southern portion of Project area)	Within above calculation	Within above calculation
<i>Operations and Maintenance Building</i>	Within 20-acre parcel on southern portion of Project area	Within above calculation	Within above calculation

¹ In selected locations, additional area may be required for crane mats and crane maneuvering.

TABLE 3-2 [REPLACES TABLE 3.2, APPLICATION, 3-3]

Anticipated Land Requirements for Construction and Operation of the Blue Creek Wind Farm

Facility Component	Assumptions	Total Area Disturbed During Construction (including temporary and permanent operational impacts)	Area of Permanent Disturbance
<i>Staging Area and Construction Laydown Area</i>	Within 20-acre parcel on southern portion of Project area	Within above calculation	Within above calculation
<i>Temporary Concrete Batch Plant</i>	One option includes the development of the concrete batch plant within the 20-acre parcel on southern portion of Project area. The second option includes the existing Scott Quarry.	Within above calculation	Within above calculation
Collector Substation #1	5 acres construction; 5 acres permanent	5 acres	5 acres
Collector Substation #2	5 acres construction; 5 acres permanent	5 acres	5 acres
Up to Two Permanent Met Tower	320 feet by 320 feet construction; 50 feet by 50 feet permanent	4.7 acres	0.11 acres
SODAR Facility	45 feet by 45 feet construction; 15 feet by 15 feet permanent	0.05 acres	0.005 acres
Facility Total Impact		1,264.4 acres	223.0 acres

(i) Access Roads

No text changes from the December 21, 2009 Blue Creek OPSB Application text have occurred in this section, except for the following [Application, 3-4]:

- The facility would utilize 41.5 miles of access roads. The access road and adjacent cleared areas would be approximately 40 feet wide during construction of the Facility. The post-construction access road width would be up to 20 feet (including the access road and stormwater drainage). The December 21, 2009 filing identified 37.0 miles.

(ii) Temporary Staging and Construction Laydown Area

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

(iii) Operation and Maintenance Building

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

(iv) Temporary Concrete Batch Plant

No text changes from the December 21, 2009 Blue Creek OPSB Application text have occurred in this section, except for the following would be added [Application, 3-6]:

- Two locations are being evaluated for siting the temporary batch plant and include: (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.

(2) Description of Equipment

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

(a) Wind Energy Turbines

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

(3) Description of New Transmission Lines

No text changes from the December 21, 2009 Blue Creek OPSB Application text have occurred in this section, with the exception of the following [Application, 3-7]:

- 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.
- 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.

(4) Description of New Substations

No text changes from the December 21, 2009 Blue Creek OPSB Application text has occurred in this section, with the exception of the following to be added at the end of this part [Application, 3-9]:

- The Applicant would like to clarify (in response to OPSB Staff data request 34) that the proposed voltage transmission process requires two collector substations that connect to the Project collection substation, which in turn connects to the interconnection substation.
- There are no longer Phase I and Phase II construction dates as the Project is being considered as one development. [To be added as a new subpart, [Application, 3-9]

(5) Description of Met Tower [Renumbered, [Application, 3-9]

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

(6) Description of SODAR [Renumbered [Application, 3-9]:

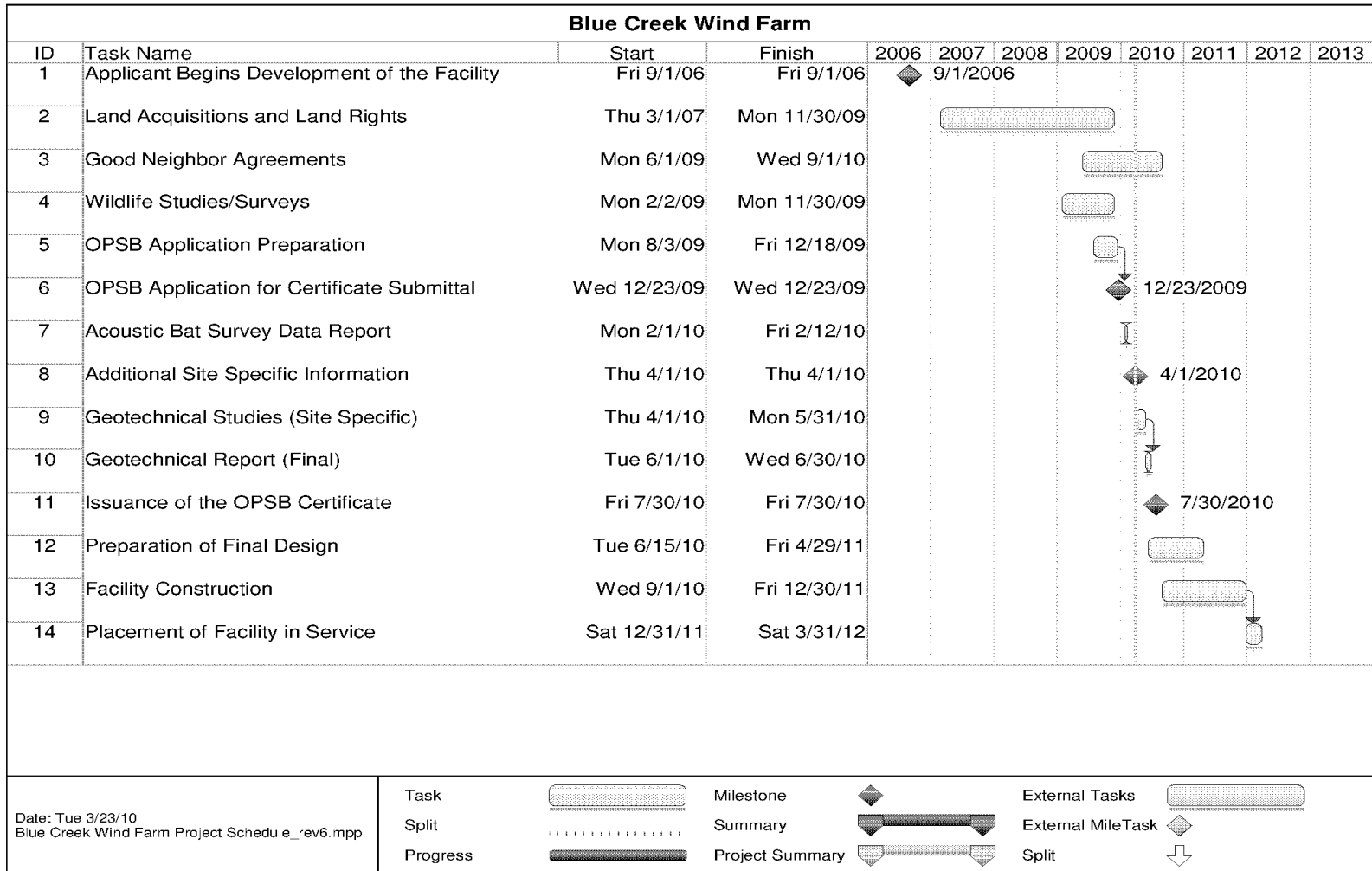
No text changes from the December 21, 2009 Blue Creek OPSB Application text have occurred in this section.

(B) DETAILED PROJECT SCHEDULE**(1) 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 that would replace the past 5 sentences [Application, 3-10]:

- The Applicant anticipates construction of the Facility from September 2010 through December 2011.
- The Applicant will build the Facility in one Phase and no longer will be built in two Phases as previously 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.
- Additional investigations are being performed for changes in the Facility configuration. Reports will be submitted to the OPSB upon completion of these investigations.

FIGURE 3-2 [REPLACES FIGURE 3.2, APPLICATION 3-11]
 Blue Creek Project Schedule



(2) Delays

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