#### BEFORE THE MINNESOTA PUBLIC UTILITIES COMMISSION

Beverly Jones Heydinger Chair
David Boyd Commissioner
Nancy Lange Commissioner
Dan Lipschultz Commissioner
Betsy Wergin Commissioner

Ronald P. Peterson Permitting Manager Trishe Wind Resources, Inc. 5775 Wayzata Boulevard, Suite 700 St. Louis Park, MN 55416

Randall Washington Managing Director Trishe Wind Minnesota, LLC 5775 Wayzata Boulevard, Suite 700 St. Louis Park, MN 55416 SERVICE DATE: December 3, 2014

DOCKET NO. IP-6846/WS-10-798

In the Matter of the Application of Lake County Wind Energy, LLC for a 41 Megawatt Large Wind Energy Conversion System in Kandiyohi and Meeker Counties

The above entitled matter has been considered by the Commission and the following disposition made:

Approved the petition for a Large Wind Energy Conversion System permit transfer from Lake Country Wind Energy, LLC to Trishe Wind Minnesota, LLC.

Issued amended permit.

The Commission agrees with and adopts the recommendations of the Department of Commerce, which are attached and hereby incorporated into the Order. This Order shall become effective immediately.

BY ORDER OF THE COMMISSION

Burl W. Haar

**Executive Secretary** 

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Energy Environmental Review and Analysis 85 7th Place East, Suite 500 St. Paul, Minnesota 55101-2198 ph 651.539.1885 | fx 651.539.0109 mn.gov/commerce/energy facilities

September 29, 2014

Burl W. Haar Executive Secretary Minnesota Public Utilities Commission 127 7<sup>th</sup> Place East, Suite 350 St. Paul. MN 55101-2147

RE: Comments and Recommendations of the Department of Commerce Energy Environmental Review and Analysis Staff

Docket No. IP-6846/WS-10-798 Lake Country Wind Farm

Dear Dr. Haar:

Attached please find the comments and recommendations of the Department of Commerce Energy Environmental Review and Analysis (EERA) staff in the following matter:

Petition of Trishe Resources, Inc. and its wholly owned subsidiary, Trishe Wind Minnesota, LLC, a Minnesota Limited Liability Company (TWM) for a Change in Ownership and Request for Site Permit Transfer.

The petition for approval of change in ownership and request for site permit transfer for the Lake Country Wind Energy Project, a 41 MW large wind energy conversion system (LWECS) in Kandiyohi and Meeker counties was filed on September 15, 2014. The petitioners are:

Ronald P. Peterson Permitting Manager Trishe Wind Resources, Inc. 5775 Wayzata Boulevard, Suite 700 St. Louis Park, MN 55416

Tel: 612-803-7667

ron@trishe-resources.com

Randall Washington Managing Director Trishe Wind Minnesota, LLC 5775 Wayzata Boulevard, Suite 700 St. Louis Park, MN 55416

EERA staff is available to answer any questions the Commission may have.

Sincerely,

/s/Larry B. Hartman Energy Facility Permitting

Attachment



## BEFORE THE MINNESOTA PUBLIC UTILITIES COMMISSION

# COMMENTS AND RECOMMENDATIONS OF THE MINNESOTA DEPARTMENT OF COMMERCE ENERGY ENVIRONMENTAL REVIEW AND ANALYSIS STAFF

DOCKET NO. IP-6846/WS-10-798

Date: September 29, 2014

**In the Matter of** the Large Wind Energy Conversion System Site Permit of Lake Country Wind Energy, LLC

**Issues Addressed:** These Comments and Recommendations address the petition of Trishe Resources, Inc. and its wholly owned subsidiary, Trishe Wind Minnesota, LLC, a Minnesota Limited Liability Company (TWM) for a Change in Ownership and Request for Site Permit Transfer.

## **Introduction and Background**

On February 8, 2011, the Minnesota Public Utilities Commission (Commission) issued a site permit to Lake Country Wind Energy, LLC to construct a 41 MW large wind energy conversion system (LWECS) in Kandiyohi and Meeker counties.<sup>1</sup>

On June 3, 2013, the Commission approved an extension of the Site Permit.<sup>2</sup> Construction on the Lake County Wind Farm was initiated in December 2013 with construction of the substation foundation, in accordance with the requirements of the Commission's amended site permit dated June 3, 2013.

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<sup>&</sup>lt;sup>1</sup> Minnesota Public Utilities Commission Order, February 8, 2011 (91 pages), eDockets Document ID <u>20112-59340-01</u>.

<sup>&</sup>lt;sup>2</sup> Commission order granting permit extension, See eDockets, Document ID 20136-87771-01

Project Location

The Lake Country 41 MW Project site is approximately 16,100 acres in size and will be located on agricultural land in Kandiyohi and Meeker counties, near the city of Atwater, Minnesota, approximately midway between the cities of Litchfield and Willmar. The landscape within and around the project site is mainly rural open cropland with relatively flat terrain. Upon completion of the project, approximately 19.4 acres would be converted to turbines and associated infrastructure.<sup>3</sup>

Specifically, the project area encompasses some or all parts of sections 1-4, 7, 10-12, 13-18, 19-21, 24 and 29 of Gennessee Township; sections 33-36 of Harrison Township; and sections 5-8, 17 and 18 of Acton Township.<sup>4</sup>

At the time the permit was issued, Lake Country had received commitments for wind rights on over 13,124 acres of privately owned land within the project area. The existing land rights encompass 80 percent of the project area and are sufficient to site the 41 MW of wind turbines proposed for the project. The wind rights were obtained via a combination of easements and participation agreements. Approximately 66 landowners owning 167 parcels consisting of 12,819 acres within the project area have signed easements with Lake Country. The easements include full easements over 12,526 acres owned by 63 landowners, participation agreements over 294 acres owned by three landowners and 108 acres pending the negotiation of an easement with one landowner. Both the easement and the participation agreement allow for 30 years of project operation with options to operate the project an additional 20 years. Additional agreements may allow easements for collector lines, access roads, and other infrastructure needed for the project.<sup>5</sup>

## **Regulatory Process and Procedures**

Siting of Large Wind Energy Conversion Systems are governed by Minnesota Statutes, Chapter 216F. Minnesota Statutes 216F.03 states:

"The legislature declares it to be the policy of the state to site LWECS in an orderly manner compatible with environmental preservation, sustainable development, and the efficient use of resources."

Minnesota Rules, part 7854.1000, subpart 1, directs the Commission to make a final site permit decision based on the record that has been compiled in the matter. Minnesota Rule, part 7854.1000, subpart 3, requires that the Commission determine that:

"...the project is compatible with environmental preservation, sustainable development, and the efficient use or resources, and the applicant has complied with this chapter."

<sup>&</sup>lt;sup>3</sup> Site Permit Application at p. 1-1.

<sup>&</sup>lt;sup>4</sup> Site Permit Application, Appendix A, Figure 1.

<sup>&</sup>lt;sup>5</sup> Site Permit Application at pp. 4-5 and 4-6.

Minnesota Rules, part 7854.1300, subpart 2, states that:

"The Commission may amend a site permit for an LWECS at any time if the commission has good cause to do so."

The amended site permit issued by the Commission on June 3, 2013, at Section 11.5 [Transfer of Permit and Change in Ownership], states:

The Permittee may not transfer this permit without the approval of the Commission. If the Permittee desires to transfer this permit, the holder shall advise the Commission in writing of such desire. The Permittee shall provide the Commission with such information about the transfer as the Commission requires to reach a decision.

The Commission may impose additional conditions on any new Permittee as part of the approval of the transfer. Any and all changes in the Permittee's ownership structure and ownership interests must be reported to the Commission. The Permittee shall, in a timely fashion, file with the Commission the Notice of Change in Ownership for every change in ownership structure and ownership interest for the duration of this permit.

#### **EERA Staff Analysis and Comments**

The Commission's "Notice of Comment Period on Proposed Permit Transfer", issued September 18, 2014, requested comments on whether the Commission should:

• approve the petition for a Large Wind Energy Conversion System site permit transfer from Lake Country Wind Energy, LLC to Trishe Wind Minnesota, LLC.

Because the Commission found in its initial permit decision that the proposed project is compatible with environmental preservation, sustainable development and the efficient use of resources, it would appear that any permit amendment or transfer to a new permittee should also meet those standards. To that end, EERA staff focused its analysis on three areas:

- Compliance with existing site permit terms and conditions
- Potential permit amendments not requested by the applicant, but consistent with more recently issued site permits.
- Project changes compatibility considerations, proposed project changes that would substantially change the findings accompanying the Commission's original permit decision, and potentially change the Commission's determination that the project is compatible with the standards set out in Statute and Rule.

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#### Compliance with Existing Site Permit Terms and Conditions

The petition of Trishe Wind Minnesota, LLC relates to compliance with permit condition 11.5 [Transfer of Permit and Change in Ownership].

In its September 15, 2014, petition Trishe states: "Trishe was awarded the LCWE assets by the Bankruptcy Court located in Minneapolis, Minnesota, in Case No 14-416567 on July 24, 2014. By operation of the United States bankruptcy laws, Trishe now hold title to LCWE's assets."

Trishe's September 15, 2014, petition also states:

Trishe plans to construct the wind farm in the manner set forth in the LCWE Site Permit approved by the MPUC. The project manager for TWM is the same project manager who led the Site Permit process for LCWE, William Cooksey. Mr. Cooksey is therefore very familiar with the conditions in LCWE's Site Permit. Trishe and TWM pledge to fulfill the terms and conditions in the LCWE Site Permit and to construct and maintain the wind farm in conformity with the Site Permit, it terms, conditions and any modifications.

**EERA Staff Analysis:** With regard to permit condition 11.5 [Transfer of Permit and Change in Ownership], Trishe Wind Minnesota, LLC, is now requesting a transfer of the permit, due to the change in ownership, as outlined in its September 15, 2014, petition. Aside from the specific request for a transfer of the permit, Trishe has not requested any other permit modifications or amendments and has indicated that it will comply with all terms and conditions of the amended permit issued on June 3, 2013. EERA staff will note that some construction activities were initiated in December 2013; however, after construction of the substation pad and associated road, construction activities ceased due to financial uncertainty. Until construction activity ceased, monthly complaint reports were filed from December 2013 through April 15, 2014. Subsequently, additional reports have not been filed; however, discussions with representatives of Trishe Wind Minnesota have indicated that no additional complaints have been received and that the complaint reports will be filed prior to the Commission making a determination on the permit transfer request.

#### Consistency with Recently Issued Site Permits

The amended site permit issued by the Commission on June 3, 2013, incorporated a number of permit modifications and amendments from other Commission issued site permits, see Getty Wind Project (Docket IP- 6866/WS-11-831), the Black Oak Wind Farm (IP-6853/WS-10-1240), and amended site permits for Paynesville (Docket IP-6830/WS-10-49) and Pleasant Valley (Docket IP-6830/WS-09-1197). The June 2013 amended site permit included language changes in the following permit conditions and requirements:

- 4.7 [Native Prairie]
- 5.6 [Pre-Construction Meeting

<sup>&</sup>lt;sup>6</sup> See eDockets, Document ID <u>20149-103085-01</u>

- 5.7 [Pre-Operation Meeting]
- 6.1 [Biological and Natural Resource Inventories]
- 6.2 [Shadow Flicker]
- 6.7 [Avian and Bat Protection]
- 6.8 [Project Energy Production]
- 6.9 [Wind Resource Use]
- 8.1 [As-Built Plans and Specifications]
- 8.4 [Notification to the Commission]
- 11.5 [Transfer of Permit and Change in Ownership]
- Attachment 2 [Complaint Handling Procedures for Large Wind Energy Conversion Systems]
- Miscellaneous changes for consistency purposes.

Other minor modifications also included a universal change throughout the permit modifying the number of days for submittal of pre-construction and pre-operation compliance filings from 10 working days to 14 calendar days, unless otherwise noted, and clarifying what is meant by the term "filing."

**EERA Staff Analysis:** EERA staff believes the amended site permit issued on June 3, 2013, remains current with permit conditions and requirements and that no additional changes or modifications are necessary at this time

#### Project Changes -- Compatibility Considerations

The September 15, 2014, petition of Trishe Wind Minnesota, LLC, did not propose any project changes or modifications that would substantially change the findings accompany the Commission's amended permit decision, and potentially change the Commission's determination that the project is compatible with the standards set out in Statute and Rule.

**EERA Staff Analysis:** EERA staff is not aware of any proposed modification or changes to the project as proposed. In its March 12, 2013, filing, Lake County noted that the Site Permit Application for Lake County provided analysis of impacts in 18 subject areas and that the alternative turbine technologies and layouts would not present a material change in environmental impacts from those contemplated in the February 2011 site permit for the following subject areas:<sup>7</sup>

- Demographics
- Public Services and Infrastructure
- Recreational Resources
- Public Health and Safety
- Hazardous Materials
- Land Based Economics
- Tourism and Community Benefits

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<sup>&</sup>lt;sup>7</sup> Ibid.

- \_\_\_\_\_
- Topography
- Soils
- Geologic and Groundwater Resources

For other potential impacts (Noise, Visual Impacts (including shadow flicker), Cultural and Archaeological Resources, Surface Water and Flood Plain Resources, Wetlands, Vegetation, Wildlife and Rare and unique Natural Resources), Lake Country provided supporting explanations indicating why the alternative turbine technologies and turbine layouts do not present a material change in environmental impacts from those contemplated in the Site Permit issued on February 8, 2011.

Lake Country's site permit application, the Commission's Order of February 8, 2011, and information in the Permittee's petition for a permit amendment filed January 15, 2013, and revised on March 12, 2013, and June 3, 2013, amended permit record and the petition for a permit transfer have been reviewed by EERA staff. Based upon this review, EERA staff believes that the project remains compatible with the standards set out in Statute and Rule and that the permit transfer is appropriate to allow the project to proceed with construction again.

#### Other Considerations

The Lake Country Wind Farm account has an outstanding balance. On September 26, 2014, EERA staff sent Trishe Wind Minnesota, LLC, an invoice for the outstanding balance and additional project fees associated for review of compliance documents, monitoring of construction activities, review of pre-operation filing requirements and pre-operation meeting. Trishe Wind Minnesota, LLC, has indicated that those fees will be paid prior to initiating any additional project construction activities.

**EERA Staff Analysis:** If the Commission determines that the permit transfer should be granted, EERA staff is suggesting that outstanding and additional requested fees be paid prior to issuance of a Commission Order transferring the permit.

#### **EERA Staff Recommendations**

EERA staff believes: 1) that the conditions and requirements of the amended permit issued on June 3, 2013, remain current and appropriate for the 41 MW Lake Country Wind Farm in Kandiyohi and Meeker counties; 2) that the permit transfer request is appropriate; and 3) the outstanding balance and additional fee request should be remitted to the Department of Commerce as detailed in a September 26, 2014, letter and invoice to Trishe Wind Minnesota, LLC.

#### PERMIT AMENDMENT

#### STATE OF MINNESOTA PUBLIC UTILITIES COMMISSION

## SITE PERMIT FOR A LARGE WIND ENERGY CONVERSION SYSTEM

#### IN KANDIYOHI AND MEEKER COUNTIES

## ISSUED TO TRISHE WIND MINNESOTA, LLC

#### **PUC DOCKET NO. IP-6846/WS-10-798**

In accordance with Minnesota Statutes, section 216F.04, this site permit is hereby issued to:

Trishe Wind Minnesota, LLC

Trishe Wind Minnesota, LLC, is authorized to construct and operate up to a 41 megawatt Large Wind Energy Conversion System on the site identified in this site permit and in compliance with the conditions contained in this site permit.

This site permit shall expire thirty (30) years from the date of approval of this amended permit.

Approved and adopted this 3rd day of December, 2014

BY ORDER OF THE COMMISSION

\_ BURL W. HAAR Executive Secretary

Soul W. Haar

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#### **SITE PERMIT**

This **SITE PERMIT** for a Large Wind Energy Conversion System (LWECS) authorizes Trishe Wind Minnesota, LLC, (Permittee) to construct and operate the Lake Country Wind Farm (Project), an up to 41 megawatt (MW) nameplate capacity LWECS and associated facilities in Kandiyohi and Meeker counties, on a site of approximately 16,100 acres in accordance with the conditions contained in this Permit.

#### **SECTION 1**

#### PROJECT DESCRIPTION

The up to 41 MW nameplate capacity LWECS authorized to be constructed in this Permit will be developed and constructed by the Permittee. The Project will consist of an array of up to 20 Repower 2.0 MW MM100 wind turbines on 328-foot (100 meter) towers with a rotor diameter of 328 feet (100 meters), up to 20 Gamesa 2.0 MW G97 wind turbines on 295-foot (90-meter) towers with a rotor diameter of 318 feet (97 meters), or up to 23 1.7 MW General Electric 1.7-100 turbines on 262-foot (80-meter) towers with a rotor diameter of 328 feet (100 meters). The Project will also require the following associated facilities as identified in the site permit application:

- pad mount transformers;
- collection lines;
- supervisory control and data acquisition (SCADA) communication lines;
- a project substation with switching and protection equipment, metering equipment, a small control house, and a 48 K transformer;
- access roads: and
- one permanent meteorological tower

The Project also includes an operations and maintenance facility; it will be permitted locally once the location is finalized. The Project will interconnect to an existing Xcel Energy 69 kV transmission line with a proposed project substation in section 6, of Acton Township, in Meeker County. The Project is expected to generate between 139,480 MW hours and 142,747 MW hours annually.

#### **SECTION 2**

#### **DESIGNATED SITE**

#### 2.1 PROJECT BOUNDARY

The approved LWECS site permit boundary and preliminary project layout are shown on the maps that are attached hereto as **Attachment 1**-A & 1-B.

Within the site permit boundary, the project and associated facilities shall be located on lands for which the permittee has obtained wind rights. Wind rights or easements have been obtained by the permittee and include 12,526 acres of full easements and 294 acres of participation agreements, totaling approximately 12,820 acres in sections of Acton, Gennessee and Harrison townships. Upon completion, the total project site would be converted to wind turbines and associated infrastructure for a total of approximately 19.4 square acres. (Attachment 1-A & 1-B).

#### 2.1 TURBINE LAYOUT

The wind turbine and associated facility layout shown on Attachment 1-A and 1-B represents the preliminary location of wind turbines and associated facilities within the project boundary and identifies a layout that minimizes the overall potential human and environmental impacts, which were evaluated in the permitting process. The final layout depicting the location of each wind turbine and associated facility shall be located within the project boundary. The project boundary serves to provide the permittee with the flexibility to do minor adjustments to the preliminary layout to accommodate landowner requests, unforeseen conditions encountered during the detailed engineering and design process, and federal and state agency requirements. Any modification of the location of a wind turbine and associated facility depicted in a preliminary layout shall be done in such a manner as to have comparable overall human and environmental impacts and shall be specifically identified in the site plan pursuant to Section 5.1. The permittee shall file the final site layout in the site plan pursuant to Section 5.1.

#### **SECTION 3**

#### APPLICATION COMPLIANCE

The Permittee shall comply with those practices set forth in its Site Permit Application, dated August 4, 2010, the revised site boundary maps (Appendix A) of the Site Permit Application, dated September 16, 2010, and the record of this proceeding unless this Permit establishes a different requirement in which case this Permit shall prevail. Attachment 4 contains a summary of compliance filings required under this permit, which is provided solely for the convenience of the Permittee.

#### **SECTION 4**

#### SETBACKS AND SITE LAYOUT RESTRICTIONS

#### 4.1 WIND ACCESS BUFFER

Wind turbine towers shall not be placed less than five (5) rotor diameters (RD) on the prevailing wind directions and three (3) RD on the non-prevailing wind directions from the perimeter of the property where the permittee does not hold the wind rights, without the approval of the Commission. This section does not apply to public roads and trails.

#### 4.2 RESIDENCES

Wind turbine towers shall not be located closer than 1,200 feet to a residence, as instituted by the permittee in its site permit application or the distance to comply with the noise standards pursuant to Minnesota Rule 7030.0040 established by the Minnesota Pollution Control Agency (MPCA), whichever is greater.

#### 4.3 NOISE

The wind turbine towers shall be placed such that the Permittee shall comply with noise standards established as of the date of this permit by the MPCA at all times and at all appropriate locations. The noise standards are found in Minnesota Rules, chapter 7030. Turbine operation shall be modified or turbines shall be removed from service if necessary to comply with these noise standards. The Permittee or its contractor may install and operate turbines as close as the minimum setback required in this permit, but in all cases shall comply with MPCA noise standards. The Permittee shall be required to comply with this condition with respect to all homes or other receptors in place as of the time of construction, but not with respect to such receptors built after construction of the towers.

#### 4.4 ROADS

Wind turbines and meteorological towers shall not be located less than 250 feet from the edge of the nearest public road right-of-way, or in compliance with the county ordinance regulating wind turbines and meteorological towers in the county the tower is built, whichever is more restrictive. See Section 13.2 of this permit.

#### 4.5 PUBLIC LANDS

Wind turbines and associated facilities including foundations, access roads, underground cable, and transformers, shall not be located in public lands, including Waterfowl Production Areas, State Wildlife Management Areas, Scientific and Natural Areas or county parks, and wind turbines towers shall also comply with the setbacks of Section 4.1.

#### 4.6 WETLANDS

Wind turbines and associated facilities including foundations, access roads, underground cable and transformers, shall not be placed in public waters wetlands, as defined in Minnesota Statutes,

section 103G.005, subdivision 15(a), except that electric collector or feeder lines may cross or be placed in public waters or public waters wetlands subject to permits and approvals by the Minnesota Department of Natural Resources (DNR) and the United States Army Corps of Engineers (USACE), and local units of government as implementers of the Minnesota Wetlands Conservation Act.

#### 4.7 NATIVE PRAIRIE

The Permittee shall, in consultation with the Commission, Department of Commerce, and DNR, prepare a Prairie Protection and Management Plan and submit it to the Commission, DOC and DNR at least thirty (30) days prior to pre-construction meeting if native prairie, as defined in Minnesota Statutes, section 84.02, subdivision 5, is identified in any biological and natural resource inventories conducted pursuant to Section 6.1. The plan shall address steps taken to avoid impacts to native prairie and mitigation to unavoidable impacts to native prairie by restoration or management of other native prairie areas that are in degraded condition, by conveyance of conservation easements, or by other means agreed to by the Permittee and Commission. Wind turbines and associated facilities including foundations, access roads, collector and feeder lines, underground cable, and transformers, shall not be placed in native prairie unless addressed in a Prairie Protection and Management Plan and shall not be located in areas enrolled in the Native Prairie Bank Program. Construction activities, as defined in Minnesota Statutes section 216E.01, shall not impact prairie unless addressed in a Prairie Protection and Management Plan.

#### 4.8 SAND AND GRAVEL OPERATIONS

Wind turbines and all associated facilities, including foundations, access roads, underground cable, and transformers shall not be located within active sand and gravel operations, unless otherwise negotiated with the landowner with notice given to the owner of the sand and gravel operation.

#### 4.9 WIND TURBINE TOWERS

Structures for wind turbines shall be self-supporting tubular towers. The towers will be up to 328 feet above grade measured at hub height.

#### 4.10 TURBINE SPACING

The turbine towers shall be constructed within the site boundary as shown in Attachment 1-A & 1-B. The turbine towers shall be spaced no closer than three (3) RD in the non-prevailing wind directions and five (5) RD on the prevailing wind directions. If required during final micrositing of the turbine towers to account for topographic conditions, up to 20 percent of the towers may be sited closer than the above spacing but the permittee shall minimize the need to site the turbine towers closer.

#### 4.11 METEOROLOGICAL TOWERS

Permanent towers for meteorological equipment shall be free standing. Permanent meteorological towers shall not be placed less than 250 feet from the edge of the nearest public road right-of-way and from the boundary of the Permittee's site control, or in compliance with

the county ordinance regulating meteorological towers in the county the tower is built, whichever is more restrictive. Meteorological towers shall be placed on property the permittee holds the wind or other development rights.

Meteorological towers shall be marked as required by the Federal Aviation Administration (FAA). There shall be no lights on the meteorological towers other than what is required by the FAA. This restriction shall not apply to infrared heating devices used to protect the wind monitoring equipment.

#### 4.12 AVIATION

The Permittee shall not place wind turbines or associated facilities in a location that could create an obstruction to navigable airspace of public and private airports (as defined in Minnesota Rules 8800.0100, subparts 24(a) and 24(b)) in Minnesota, adjacent states, or provinces. The Permittee shall apply the minimum obstruction clearance for private airports pursuant to Minnesota Rules 8800.1900, subpart 5. Setbacks or other limitations shall be followed in accordance with the Minnesota Department of Transportation (Mn/DOT), Department of Aviation, and the FAA. The Permittee shall notify owners of all known airports within six (6) miles of the project prior to construction.

#### 4.13 FOOTPRINT MINIMIZATION

The Permittee shall design and construct the LWECS so as to minimize the amount of land that is impacted by the LWECS. Associated facilities in the vicinity of turbines such as electrical/electronic boxes, step-up transformers, and monitoring systems shall, to the greatest extent feasible, be mounted on the foundations used for turbine towers or inside the towers unless otherwise negotiated with the affected landowner(s).

#### 4.14 COMMUNICATION CABLES

The Permittee shall place all supervisory control and data acquisition (SCADA) cables underground and within or adjacent to the land necessary for turbine access roads unless an alternate location is contractually permitted by the affected landowner(s).

#### 4.15 ELECTRICAL COLLECTOR AND FEEDER LINES

Collector and feeder lines comprise the electrical collection system. Collector lines that carry electrical power from each individual transformer associated with a wind turbine to an internal project interconnection point shall be buried underground. Collector lines shall be placed within or adjacent to the land necessary for turbine access roads unless otherwise negotiated with the affected landowner(s).

Feeder lines that carry power from an internal project interconnection point to the project substation or interconnection point on the electrical grid may be overhead or underground. Feeder line locations shall be negotiated with the affected landowner(s).

Any overhead feeder lines that parallel public roads shall be placed within the public rights-ofway or on private land immediately adjacent to public roads. If overhead feeder lines are located within public rights-of-way, the Permittee shall obtain approval from the governmental unit responsible for the affected right-of-way.

Collector and feeder line locations shall be located in such a manner as to minimize interference with agricultural operations including, but not limited, to existing drainage patterns, drain tile, future tiling plans, and ditches. Safety shields shall be placed on all guy wires associated with overhead feeder lines. The permittee shall submit the engineering drawings of all collector and feeder lines in the site plan pursuant to Section 5.1.

The Permittee must fulfill, comply with, and satisfy all Institute of Electrical and Electronics Engineers, Inc. (IEEE) standards applicable to this Project including, but not limited to, IEEE 776 (Recommended Practice for Inductive Coordination of Electric Supply and Communication Lines), IEEE 519 (Harmonic Specifications), IEEE 367 (Recommended Practice for Determining the Electric Power Station Ground Potential Rise and Induced Voltage from a Power Fault), and IEEE 820 (Standard Telephone Loop Performance Characteristics) provided the telephone service provider(s) have complied with any obligations imposed on it pursuant to these standards. Upon request by the Commission, the Permittee shall report to the Commission on compliance with these standards.

#### **SECTION 5**

#### ADMINISTRATIVE COMPLIANCE PROCEDURES

The following administrative compliance procedures require submissions to the Commission. Submissions to the Commission must be made by electronic filing (eFiling).

#### 5.1 SITE PLAN

At least fourteen (14) days prior to the pre-construction meeting, the Permittee shall submit to the Commission:

- (a) a site plan for all turbines, roads, electrical equipment, collector and feeder lines, and other associated facilities to be constructed;
- (b) engineering drawings for site preparation, construction of the facilities; and
- (c) a plan for restoration of the site due to construction.

Construction is defined under Minnesota Statutes section 216E.01. The Permittee may submit a site plan and engineering drawings for only a portion of the Project if the Permittee intends to commence construction on certain parts of the Project before completing the site plan and engineering drawings for other parts of the Project. The Permittee shall document, through GIS mapping, compliance with the setbacks and site layout restrictions required by this Permit, including compliance with the noise standards pursuant to Minnesota Rules, chapter 7030. In the event that previously unidentified environmental conditions are discovered during construction that by law or pursuant to conditions outlined in this Permit would preclude the use of that site as a turbine site, the Permittee shall have the right to move or relocate turbine site. The Permittee shall notify the Commission of any turbines that are to be relocated before the turbine is constructed on the new site and demonstrate compliance with the setbacks and site layout restrictions required by this Permit.

#### 5.2 NOTICE TO RESIDENTS AND GOVERNMENT AGENCIES

Within fourteen (14) days of Permit issuance, the Permittee shall send a printed copy of the Permit to the office of the auditor of each county in which the site is located and to the clerk of each city and township within the site boundaries. As applicable, the permittee shall, within fourteen (14) days of Permit issuance, send a printed copy of this Permit to each regional development commission, local fire district, soil and water conservation district, watershed district, and watershed management district office with jurisdiction in the county where the site is located. Within thirty (30) days of approval of this Permit, the Permittee shall send a printed copy of the Permit to each landowner within the project boundary. In no case shall the landowner receive this site permit and complaint procedure, developed pursuant to Section 5.8, less than five (5) days prior to the start of construction on their property.

#### 5.3 NOTICE OF PERMIT CONDITIONS

Prior to the start of construction, the Permittee shall inform all employees, contractors, and other persons involved in the construction and ongoing operation of the Project of the terms and conditions of this Permit.

#### 5.4 FIELD REPRESENTATIVE

At least fourteen (14) days prior to the pre-construction meeting and continuously throughout construction, including site restoration, the Permittee shall designate a field representative responsible for overseeing compliance with the conditions of this permit during the construction phase of this Project. This person (or a designee) shall be accessible by telephone during normal working hours. This person's address, phone number, email, and emergency phone number shall be filed with the Commission, which may make the contact information available to local residents and officials and other interested persons. The Permittee may change the field representative by notification to the Commission by eFiling.

#### 5.5 SITE MANAGER

The Permittee shall designate a site manager responsible for overseeing compliance with the conditions of this Permit during the commercial operation and decommissioning phases of this Project. The Permittee shall provide the Commission with the name, address, email, phone number, and emergency phone number of the site manager fourteen days (14) prior to placing

any turbine into commercial operation. This information shall be maintained current by informing the Commission of any changes by eFiling, as they become effective.

#### 5.6 PRE-CONSTRUCTION MEETING

Prior to the start of any construction, representatives of the Permittee, the Field Representative, and the Department of Commerce State Permit Manager for this Project shall participate in a preconstruction meeting to review pre-construction filing requirements, scheduling, and to coordinate monitoring of construction and site restoration activities. The Permittee shall file with the Commission with fourteen (14) days following the pre-construction meeting a summary of the topics reviewed and discussed and a list of attendees. The Permittee shall indicate in the filing the project's construction start date.

#### 5.7 PRE-OPERATION COMPLIANCE MEETING

At least fourteen (14) days prior to commercial operation, representatives of the Permittee, the Site Manager and the Department of Commerce State Permit Manager shall participate in a preoperation compliance meeting to review compliance reporting requirements. The Permittee shall file with the Commission within fourteen (14) days following the pre-operation meeting a summary of the topics reviewed and discussed and a list of attendees. The Permittee shall indicated in the filing the Project's date of commercial operation.

#### 5.8 COMPLAINTS

At least fourteen (14) days prior to the pre-construction meeting, the permittee shall file with the Commission the company's procedures to be used to receive and respond to complaints. The Permittee shall report to the Commission all complaints received concerning any part of the project in accordance with the procedures provided in Attachments 2 and 3 of this permit.

#### **SECTION 6**

#### SURVEYS AND REPORTING

#### 6.1 BIOLOGICAL AND NATURAL RESOURCE INVENTORIES

The Permittee, in consultation with the Commission, DOC and DNR, shall design and conduct pre-construction desktop and field inventories of potentially impacted native prairies, wetlands, and any other biologically sensitive areas within the site and assess the presence of state threatened, endangered, or species of special concern or federally listed species. The results of these inventories shall be filed at least thirty (30) days prior to the pre-construction meeting to confirm compliance of conditions in this Permit.

The Permittee shall file any biological surveys or studies conducted on this Project, including those not required under this Permit.

#### 6.2 SHADOW FLICKER

At least fourteen (14) days prior to the pre-construction meeting, the Permittee shall provide data on shadow flicker for each residence of non-participating landowners and participating landowners within and outside of the project boundary subject to exposure from turbine shadow flicker. Information shall include the results of modeling used, assumptions made, and the anticipated levels of exposure from turbine shadow flicker for each residence. The Permittee shall provide documentation on its efforts to minimize shadow flicker exposure. The results of any modeling shall be filed with the Commission at least fourteen (14) days prior to the preconstruction meeting to confirm compliance with conditions of this Permit.

#### 6.3 ARCHAEOLOGICAL RESOURCES

The Permittee shall work with the State Historic Preservation Office (SHPO) and the State Archaeologist. The Permittee shall carry out a Phase 1 or 1A Archaeology survey for all proposed turbine locations, access roads, junction boxes, and other areas of Project construction impact to determine whether additional archaeological work is necessary for any part of the proposed Project. The Permittee shall contract with a qualified archaeologist to complete such surveys, and shall submit the results to the Commission, the SHPO, and the State Archaeologist at least fourteen (14) days prior to the pre-construction meeting.

The SHPO and the State Archaeologist will make recommendations for the treatment of any significant archaeological sites which are identified. Any issues in the implementation of these recommendations will be resolved by the Commission in consultation with SHPO and the State Archaeologist. In addition, the Permittee shall mark and preserve any previously unrecorded archaeological sites that are found during construction and shall promptly notify the SHPO, the State Archaeologist, and the Commission of such discovery. The Permittee shall not excavate at such locations until so authorized by the Commission in consultation with the SHPO and the State Archaeologist.

If human remains are encountered during construction, the permittee shall immediately halt construction at that location and promptly notify local law enforcement authorities and the State Archaeologist. Construction at the human remains location shall not proceed until authorized by local law enforcement authorities or the State Archaeologist.

If any federal funding, permit, or license is involved or required, the Permittee shall notify the SHPO as soon as possible in the planning process to coordinate section 106 (36 CFR part 800) review.

Prior to construction, construction workers shall be trained about the need to avoid cultural properties, how to identify cultural properties, and procedures to follow if undocumented cultural properties, including gravesites, are found during construction. If any archaeological sites are found during construction, the Permittee shall immediately stop work at the site and shall mark and preserve the site and notify the Commission, SHPO, about the discovery. The Commission and SHPO shall have three working days from the time the agency is notified to conduct an inspection of the site if either agency shall choose to do so. On the fourth day after notification,

the Permittee may begin work on the site unless the SHPO has directed that work shall cease. In such event, work shall not continue until the SHPO determines that construction can proceed.

#### 6.4 INTERFERENCE

At least ten (10) working fourteen (14) days prior to the pre-construction meeting, the Permittee shall file the results of an assessment of television and radio signal reception, microwave signal patterns, and telecommunications in the project area. The assessment shall be designed to provide data that can be used in the future to determine whether the turbines and associated facilities are the cause of disruption or interference of television or radio reception, microwave patterns, or telecommunications in the event residents should complain about such disruption or interference after the turbines are placed in operation. The permittee shall be responsible for alleviating any disruption or interference of these services caused by the turbines or any associated facilities.

The Permittee shall not operate the Project so as to cause microwave, television, radio, telecommunications, or navigation interference in violation of Federal Communications Commission regulations or other law. In the event the Project or its operations cause such interference, the permittee shall take timely measures necessary to correct the problem.

#### 6.5 WAKE LOSS STUDIES

At least fourteen (14) days prior to the pre-construction meeting, the Permittee shall file the pre-construction micro-siting analysis leading to the final tower locations and an estimate of total Project wake losses. The Permittee shall file any operational wake loss studies conducted on this Project during the calendar year preceding the report.

#### 6.6 NOISE

The Permittee shall file a proposal with the Commission at least fourteen (14) days prior to the pre-operation compliance meeting for the conduct of a post-construction noise study. Upon the approval of the Commission, the Permittee shall carry out the study. The study shall be designed to determine the operating LWECS noise levels at different frequencies and at various distances from the turbines at various wind directions and speeds. The Permittee shall file the study within eighteen (18) months after commercial operation.

#### 6.7 AVIAN AND BAT PROTECTION

#### 6.7.1 AVIAN AND BAT PROTECTION PLAN

The Permittee shall, in consultation with the Commission, DOC, the U.S. Fish and Wildlife Service (USFWS), and the DNR, prepare an Avian and Bat Protection Plan file it at least thirty (30) days prior to the pre-construction meeting. The plan shall address steps to be taken to identify and mitigate impacts to avian and bat species during the construction phase and the operation phase of the Project. The plan shall also include formal and informal monitoring, training, wildlife handling, documentation (e.g., photographs), and reporting protocols for each phase of the Project.

The Permittee shall, by March 15<sup>th</sup> following each complete or partial calendar year of operation file with the commission an annual report detailing findings of its annual audit of ABPP practices. The annual report shall include summarized and raw data of bird and bat fatalities and injuries and shall include bird and bat fatalities estimates for the Project using agreed upon estimators from the prior calendar year. The annual report shall also identify any deficiencies or recommended changes in the operation of the Project or in the ABPP to reduce avian and bat fatalities and shall provide a schedule for implementing the corrective or modified actions. The Permittee shall provide a copy of the report to DOC, DNR and to the U.S. Fish and Wildlife Services (USFWS) at the time of filing with the Commission.

#### 6.7.2 QUARTERLY INCIDENT REPORTS

The Permittee shall file quarterly avian and bat reports. Quarterly reports are due by the 15th of each January, April, July, and October commencing the day following commercial operation and terminating upon the expiration of this permit. Each report shall identify any dead or injured avian and bat species, location of find by turbine number, and date of find for the reporting period in accordance with the reporting protocols. If a dead or injured avian or bat species is found, the report shall describe the potential cause of the occurrence and the steps taken to avoid future occurrences. The Permittee shall provide notice of the report to DOC, DNR and the U.S. Fish and Wildlife Service at the time of filing with the Commission.

#### 6.7.3 IMMEDIATE INCIDENT REPORTS

The Permittee shall notify the Commission, DOC, the United States Fish and Wildlife Service (USFWS), and DNR within twenty-four (24) hours of the discovery of any of the following within the vicinity of the rotor swept area:

- (a) five or more dead or injured non-protected avian or bat species within a reporting period;
- (b) one or more dead or injured migratory avian or bat species;
- (c) one or more dead or injured state threatened, endangered, or species of special concern;
- (d) one or more dead or injured federally listed species; or
- (e) one or more bald eagles.

#### 6.8 PROJECT ENERGY PRODUCTION

The Permittee shall by February 1<sup>st</sup> following each complete or partial year of Project operation file a report with the Commission including:

- (a) The installed nameplate capacity of the permitted Project;
- (b) The total monthly energy generated by the Project in MW hours;
- (c) The monthly capacity factor of the Project;
- (d) Yearly energy production and capacity factor for the Project;
- (e) The operational status of the Project and any major outages, major repairs, or turbine performance improvements occurring in the previous year; and
- (f) Any other information reasonably requested by the Commission.

This information shall be filed electronically.

#### 6.9 WIND RESOURCE USE

The Permittee shall, by February 1<sup>st</sup> following each complete or partial calendar year of operation, file with the Commission the average monthly and average annual wind speed collected at one permanent meteorological tower during the preceding year or partial year of operation.

This information shall be filed electronically.

#### 6.10 EXTRAORDINARY EVENTS

Within twenty-four (24) hours of an occurrence, the Permittee shall notify the Commission of any extraordinary event. Extraordinary events include but shall not be limited to fires, tower collapse, thrown blade, collector or feeder line failure, and injured LWECS worker or private person. The Permittee shall, within thirty (30) days of the occurrence, file a report with the Commission describing the cause of the occurrence and the steps taken to avoid future occurrences.

#### **SECTION 7**

#### CONSTRUCTION AND OPERATION PRACTICES

#### 7.1 SITE CLEARANCE

The Permittee shall disturb or clear the site only to the extent necessary to assure suitable access for construction, safe operation, and maintenance of the Project.

#### 7.2 TOPSOIL PROTECTION

The Permittee shall implement measures to protect and segregate topsoil from subsoil in cultivated lands unless otherwise negotiated with the affected landowner(s).

#### 7.3 SOIL COMPACTION

The Permittee shall implement measures to minimize soil compaction of all lands during all phases of the project's life and shall confine compaction to as small an area as practicable.

#### 7.4 LIVESTOCK PROTECTION

The Permittee shall take precautions to protect livestock during all phases of the Project's life.

#### 7.5 FENCES

The Permittee shall promptly replace or repair all fences and gates removed or damaged during all phases of the Project's life unless otherwise negotiated with the affected landowner(s). When the Permittee installs a gate where electric fences are present, the permittee shall provide for continuity in the electric fence circuit.

#### 7.6 DRAINAGE TILES

The Permittee shall take into account the location of drainage tiles during project layout and construction. The Permittee shall promptly repair or replace all drainage tiles broken or damaged during all phases of the Project's life unless otherwise negotiated with the affected landowner(s).

#### 7.7 EQUIPMENT STORAGE

The Permittee shall not locate temporary equipment staging areas on lands under its control unless negotiated with affected landowner(s). Temporary staging areas shall not be located in wetlands or native prairie as defined in Sections 4.6 and 4.7.

#### 7.8 ROADS

#### 7.8.1 PUBLIC ROADS

At least fourteen (14) days prior to the pre-construction meeting, the Permittee shall identify all state, county, or township roads that will be used for the Project and shall notify the Commission and the state, county, or township governing body having jurisdiction over the roads to determine if the governmental body needs to inspect the roads prior to use of these roads. Where practical, existing roadways shall be used for all activities associated with the Project. Where practical, all-weather roads shall be used to deliver cement, turbines, towers, assembled nacelles, and all other heavy components to and from the turbine sites.

The Permittee shall, prior to the use of such roads, make satisfactory arrangements through development and/or road development agreements with the with the appropriate state, county, or township governmental body having jurisdiction over roads to be used for construction of the

Project for maintenance and repair of roads that will be subject to extra wear and tear due to transportation of equipment and project components. The Permittee shall notify the Commission of such arrangements upon request of the Commission.

#### 7.8.2 TURBINE ACCESS ROADS

The Permittee shall construct the least number of turbine access roads it can. Access roads shall be low profile roads so that farming equipment can cross them and shall be covered with Class five gravel or similar material. Access roads shall not be constructed across streams and drainage ways without required permits and approvals from the DNR and the USACE. When access roads are constructed across streams and drainage ways, the access roads shall be designed in a manner so runoff from the upper portions of the watershed can readily flow to the lower portion of the watershed. The access or intersection points with the public roadways shall be located in accordance with all necessary township, county or state road requirements and permits. The access roads shall be constructed in accordance with all necessary townships, county or state road requirements and permits.

#### 7.8.3 PRIVATE ROADS

The Permittee shall promptly repair private roads or lanes damaged when moving equipment or when obtaining access to the site, unless otherwise negotiated with the affected landowner(s).

#### 7.9 CLEANUP

The Permittee shall remove all waste and scrap that is the product of construction, operation, restoration, and maintenance from the site and properly dispose of it upon completion of each task. Personal litter, bottles, and paper deposited by site personnel shall be removed on a daily basis.

#### 7.10 TREE REMOVAL

The Permittee shall minimize the removal of trees and the permittee shall not remove groves of trees or shelter belts without notification to the Commission and the approval of the affected landowner(s).

#### 7.11 SOIL EROSION AND SEDIMENT CONTROL

The Permittee shall develop a soil erosion and sediment control plan and submit the plan to the Commission at least fourteen (14) days prior to the pre-construction meeting. This plan may be the same as the storm water pollution prevention plan (SWPPP) submitted to the MPCA as part of the National Pollutant Discharge Elimination System (NPDES) permit application.

The soil erosion and sediment control plan shall address what types of erosion control measures will be implemented during each Project phase and shall at a minimum identify: plans for grading, construction, and drainage of roads and turbine pads; necessary soil information; detailed design features to maintain downstream water quality; a comprehensive re-vegetation plan to maintain and ensure adequate erosion control and slope stability and to restore the site after temporary project activities; and measures to minimize the area of surface disturbance.

Other practices shall include containing excavated material, protecting exposed soil, and stabilizing restored material and removal of silt fences or barriers when the area is stabilized. The plan shall identify methods for disposal or storage of excavated material. Erosion and sedimentation control measures shall be implemented prior to construction and maintained throughout the project's life.

The Permittee shall develop an invasive species prevention plan to prevent the introduction of invasive species on lands disturbed by project construction activities. This requirement may be included as an element of the soil erosion and sediment control plan.

#### 7.12 RESTORATION

The Permittee shall, as soon as practical following construction of each turbine, considering the weather and preferences of the affected landowner(s), restore the area affected by any Project activities to the condition that existed immediately before construction began, to the extent possible. The time period may be no longer than twelve (12) months after completion of construction of the turbine, unless otherwise negotiated with the affected landowner(s). Restoration shall be compatible with the safe operation, maintenance, and inspection of the Project.

#### 7.13 HAZARDOUS WASTE

The Permittee shall be responsible for compliance with all laws applicable to the generation, storage, transportation, clean-up, and disposal of hazardous wastes generated during any phase of the Project's life.

#### 7.14 APPLICATION OF HERBICIDES

The Permittee shall restrict herbicide use to those herbicides and methods of application approved by the Minnesota Department of Agriculture and the U.S. Environmental Protection Agency. Selective foliage or basal application shall be used when practicable. The Permittee shall contact the landowner or his designee to obtain approval for the use of herbicide prior to any application on their property. The landowner may request that there be no application of herbicides on any part of the site within the landowner's property. All herbicides shall be applied in a safe and cautious manner so as to not damage property, including crops, orchards, tree farms, or gardens. The Permittee shall also, at least fourteen (14) days prior to the application, notify beekeepers with an active apiary within one mile of the proposed application site of the day the company intends to apply herbicide so that precautionary measures may be taken by the beekeeper.

#### 7.15 PUBLIC SAFETY

The Permittee shall provide educational materials to landowners within the site boundary and, upon request, to interested persons about the Project and any restrictions or dangers associated with the Project. The Permittee shall also provide any necessary safety measures, such as warning signs and gates for traffic control or to restrict public access. The Permittee shall submit the location of all underground facilities, as defined in Minnesota Statutes, section 216D.01, subdivision 11, to Gopher State One Call.

#### 7.16 EMERGENCY RESPONSE

The Permittee shall prepare an emergency response plan (fire protection and medical emergency plan) in consultation with the emergency responders having jurisdiction over the area prior to Project construction. The Permittee shall file a copy of the plan with the Commission at least fourteen (14) days prior to the pre-construction meeting and a revised plan, if any, at least fourteen (14) days prior to the pre-operation compliance meeting. The Permittee shall also register the Project with the local governments' emergency 911 services.

#### 7.17 TOWER IDENTIFICATION

All turbine towers shall be marked with a visible identification number.

#### 7.18 FEDERAL AVIATION ADMINISTRATION LIGHTING

Towers shall be marked as required by the FAA. There shall be no lights on the towers other than what is required by the FAA. This restriction shall not apply to infrared heating devices used to protect the wind monitoring equipment.

#### **SECTION 8**

#### FINAL CONSTRUCTION

#### 8.1 AS-BUILT PLANS AND SPECIFICATIONS

Within sixty (60) days after completion of construction, the Permittee shall file with the Commission a copy of the as-built plans and specifications. The Permittee must also provide this data in a geographic information system (GIS) compatible format so that the Commission can place it into the Minnesota Geospatial Information Office's (MnGeo) geographic data clearinghouse located in the Office of Enterprise Technology.

#### 8.2 FINAL BOUNDARIES

After completion of construction, the Commission shall determine the need to adjust the final boundaries of the site required for this Project. If done, this Permit may be modified, after notice and opportunity for public hearing, to represent the actual site required by the Permittee to operate the Project authorized by this permit.

#### 8.3 EXPANSION OF SITE BOUNDARIES

No expansion of the site boundaries described in this permit shall be authorized without the approval of the Commission. The Permittee may submit to the Commission a request for a change in the boundaries of the site for the Project. The Commission will respond to the requested change in accordance with applicable statutes and rules.

#### 8.4 NOTIFICATION TO THE COMMISSION

At least three (3) days before the Project is to commence commercial operation, the Permittee shall file the date on which the Project will commence commercial operation and the date on which construction was completed.

#### **SECTION 9**

#### DECOMMISSIONING, RESTORATION, AND ABANDONMENT

#### 9.1 DECOMMISSIONING PLAN

At least fourteen (14) days prior to the pre-operation compliance meeting, the Permittee shall submit to the Commission a Decommissioning Plan documenting the manner in which the Permittee anticipates decommissioning the Project in accordance with the requirements of Minnesota Rules 7854.0500, subpart 13. The Permittee shall ensure that it carries out its obligations to provide for the resources necessary to fulfill its requirements to properly decommission the project at the appropriate time. The Commission may at any time request the Permittee to file a report with the Commission describing how the Permittee is fulfilling this obligation.

#### 9.2 SITE RESTORATION

Upon expiration of this Permit, or upon earlier termination of operation of the Project, or any turbine within the Project, the Permittee shall have the obligation to dismantle and remove from the site all towers, turbine generators, transformers, overhead and underground cables and lines, foundations, buildings, and ancillary equipment to a depth of four feet. To the extent feasible, the Permittee shall restore and reclaim the site to its pre-project topography and topsoil quality. All access roads shall be removed unless written approval is given by the affected landowner(s) requesting that one or more roads, or portions thereof, be retained. Any agreement for removal to a lesser depth or no removal shall be recorded with the county and shall show the locations of all such foundations. All such agreements between the Permittee and the affected landowner(s) shall be filed with the Commission prior to completion of restoration activities. The site shall be restored in accordance with the requirements of this condition within eighteen (18) months after site permit expiration or upon earlier termination of the Project, or any turbine within the Project.

#### 9.3 ABANDONED TURBINES

The Permittee shall advise the Commission of any turbines that are abandoned prior to termination of operation of the Project. A Project, or any turbine within the Project, shall be considered abandoned after one (1) year without energy production and the land restored pursuant to Section 9.2 unless a plan is developed and filed outlining the steps and schedule for returning the Project, or any turbine within the Project, to service.

#### **SECTION 10**

#### **AUTHORITY TO CONSTRUCT LWECS**

#### 10.1 WIND RIGHTS

At least fourteen (14) days prior to the pre-construction meeting, the Permittee shall demonstrate that it has obtained the wind rights and any other rights necessary to construct and operate the Project within the boundaries of the LWECS authorized by this Permit.

Nothing in this Permit shall be construed to preclude any other person from seeking a permit to construct a WECS in any area within the boundaries of the Project covered by this Permit if the Permittee does not hold exclusive wind rights for such areas.

#### 10.2 POWER PURCHASE AGREEMENT

In the event the Permittee does not have a power purchase agreement or some other enforceable mechanism for sale of the electricity to be generated by the Project at the time this permit is issued, the Permittee shall provide notice to the Commission when it obtains a commitment for purchase of the power. This Permit does not authorize construction of the Project until the Permittee has obtained a power purchase agreement or some other enforceable mechanism for sale of the electricity to be generated by the Project. In the event the Permittee does not obtain a power purchase agreement or some other enforceable mechanism for sale of the electricity to be generated by the Project within two years of the issuance of this Permit, the Permittee must advise the Commission of the reason for not having such commitment. In such event, the Commission may determine whether this Permit should be amended or revoked. No amendment or revocation of this Permit may be undertaken except in accordance with applicable statutes and rules, including Minnesota Rules 7854.1300.

#### 10.3 FAILURE TO COMMENCE CONSTRUCTION

If the Permittee has not completed the pre-construction surveys required under this Permit and commenced construction of the Project within two years of the issuance of this Permit, the Permittee must advise the Commission of the reason construction has not commenced. In such event, the Commission shall make a determination as to whether this Permit should be amended or revoked. No revocation of this Permit may be undertaken except in accordance with applicable statutes and rules, including Minnesota Rules 7854.1300.

#### 10.4 PREEMPTION OF OTHER LAWS

Pursuant to Minnesota Statutes, section 216F.07, this site permit shall be the only site approval required for the location of this Project, and this Permit shall supersede and preempt all zoning, building, and land use rules, regulations, and ordinances adopted by regional, county, local, and special purpose governments. Nothing in this Permit shall release the Permittee from any obligation imposed by law that is not superseded or preempted by law.

#### 10.5 OTHER PERMITS

The Permittee shall be responsible for acquiring any other federal, state, or local permits or authorizations that may be required to construct and operate a LWECS within the authorized site. The Permittee shall file a copy of such permits and authorizations to the Commission upon request.

#### 10.5.1 COMPLIANCE WITH FEDERAL AND STATE AGENCY PERMITS

The Permittee shall comply with all terms and conditions of permits or licenses issued by Federal, State, or Tribal authorities including but not limited to the requirements of the MPCA (Section 401 Water Quality Certification, National Pollutant Discharge Elimination System (NPDES)/State Disposal System (SDS) stormwater permit for construction activity, and other site specific discharge approvals), DNR (License to Cross Public Lands and Water, Public Water Works Permit, and state protected species consultation), SHPO (Section 106 Historic Consultation Act), FAA determinations, and Mn/DOT (Utility Access Permit, Highway Access Permit, Oversize and Overweight Permit, and Aeronautics Airspace Obstruction Permit, and the Mn/DOT Utility Accommodation Policy).

#### 10.5.2 COMPLIANCE WITH COUNTY, CITY, OR MUNICIPAL PERMITS

The Permittee shall comply with all terms and conditions of permits, authorizations, or licenses issued by the counties, cities, and municipalities affected by the Project that do not conflict with or are not pre-empted by federal or state permits and regulations. These authorizations include, but are not limited to, compliance with Minnesota's Wetland Conservation Act.

#### **SECTION 11**

#### **COMMISSION POST-ISSUANCE AUTHORITIES**

#### 11.1 PERIODIC REVIEW

The Commission shall initiate a review of this Permit and the applicable conditions at least once every five (5) years. The purpose of the periodic review is to allow the Commission, the Permittee, and other interested persons an opportunity to consider modifications in the conditions of this Permit. No modification may be made except in accordance with applicable statutes and rules.

#### 11.2 MODIFICATION OF CONDITIONS

After notice and opportunity for hearing, this permit may be modified or amended for cause, including but not limited to the following:

- (a) Violation of any condition in this permit;
- (b) Endangerment of human health or the environment by operation of the project; or
- (c) Existence of other grounds established by rule.

#### 11.3 REVOCATION OR SUSPENSION OF PERMIT

The Commission may take action to suspend or revoke this Permit upon the grounds that:

- (a) A false statement was knowingly made in the application or in accompanying statements or studies required of the Permittee, and a true statement would have warranted a change in the Commission's findings;
- (b) There has been a failure to comply with material conditions of this Permit, or there has been a failure to maintain health and safety standards; or
- (c) There has been a material violation of a provision of an applicable statute, rule, or an order of the Commission.

In the event the Commission determines that it is appropriate to consider revocation or suspension of this Permit, the Commission shall proceed in accordance with the requirements of Minnesota Rules 7854.1300 to determine the appropriate action. Upon a finding of any of the above, the Commission may require the Permittee to undertake corrective measures in lieu of having this permit suspended or revoked.

#### 11.4 MORE STRINGENT RULES

The Commission's issuance of this Site Permit does not prevent the future adoption by the Commission of rules or orders more stringent than those now in existence and does not prevent the enforcement of these more stringent rules and orders against the Permittee.

#### 11.5 TRANSFER OF PERMIT AND CHANGE IN OWNERSHIP

The Permittee may not transfer this permit without the approval of the Commission. If the Permittee desires to transfer this Permit, the holder shall advise the Commission in writing of such desire. The Permittee shall provide the Commission with such information about the transfer as the Commission requires to reach a decision. The Commission may impose additional conditions on any new Permittee as part of the approval of the transfer.

Any and all changes in the Permittee's ownership structure and ownership interests must be reported to the Commission. The Permittee shall, in a timely fashion, file with the Commission the Notice of Change in Ownership for every change in ownership structure and ownership interest for the duration of this permit.

#### 11.6 RIGHT OF ENTRY

Upon reasonable notice, presentation of credentials and at all times in compliance with the Permittee's site safety standards, the Permittee shall allow representatives of the Commission to perform the following:

(a) To enter upon the facilities easement of the site property for the purpose of obtaining information, examining records, and conducting surveys or investigations;

- (b) To bring such equipment upon the facilities easement of the property as is necessary to conduct such surveys and investigations;
- (c) To sample and monitor upon the facilities easement of the property; and
- (d) To examine and copy any documents pertaining to compliance with the conditions of this Permit.

#### 11.7 PROPRIETARY INFORMATION

Certain information required or requested to be filed with the Commission under this Permit may constitute trade secret information or other type of proprietary information under the Data Practices Act or other law. The Permittee must satisfy requirements of applicable law to obtain the protection afforded by the law.

#### **SECTION 12**

#### **EXPIRATION DATE**

This Permit shall expire thirty (30) years after the date this permit was approved and adopted.

#### **SECTION 13**

#### **SPECIAL CONDITIONS**

Special conditions shall take precedence over any of the other conditions of this Permit if there should be a conflict between the two.

#### 13.1 AVIAN AND BAT PROTECTION PLAN SPECIAL PROVISION

The Permittee shall, in cooperation with the Commission, the DNR, and the USFWS, develop protocols to conduct a minimum of one (1) year of avian fatality monitoring after the project becomes operational. The surveys shall target a limited area of ten (10) turbines that are proposed to be located in the northwest portion of the project near Wheeler Lake (sections 33, 34 and 35 of Harrison Township) and turbines from Sections 10 and 15 of Gennessee Township, an area of the project with higher avian species abundance and diversity, as identified in the Avian Impact Assessment. Survey protocols shall be included in the Avian and Bat Protection Plan filed by the Permittee under Section 6.7 of this Permit. The results of the post-construction avian surveys shall be filed with the Commission, DOC, DNR and USFWS at least quarterly. Final results of first year post-construction avian surveys shall be filed no later than January 15<sup>th</sup> of the following year. Results shall be filed in an Excel spreadsheet and include summarized and raw data. Based on those results, the Commission may modify conditions or monitoring requirements in this Permit pursuant to Section 11.2.

#### 13.2 APPLICATION OF COUNTY STANDARDS

The Permittee shall site all wind turbines and associated facilities consistent with the wind energy ordinances adopted by Kandiyohi and Meeker counties.

#### 13.2.1 KANDIYOHI COUNTY

Kandiyohi County has adopted more stringent WECS standards than those identified in Section 4 of this permit for the following features:

- a) Rights-of-way Setback: Turbines shall have a setback of 1.1 times total turbine height from the edge of all rights-of-way (roads, railroads, power lines, pipelines, and other recorded rights-of-way).
- b) Public Water Inventory (PWI) Wetlands: Turbines shall be setback at least 600 feet from PWI wetlands.
- c) Zoning District Regulations: Turbines shall not be located in the zoning districts where prohibited pursuant to Kandiyohi County's WECS Ordinance.

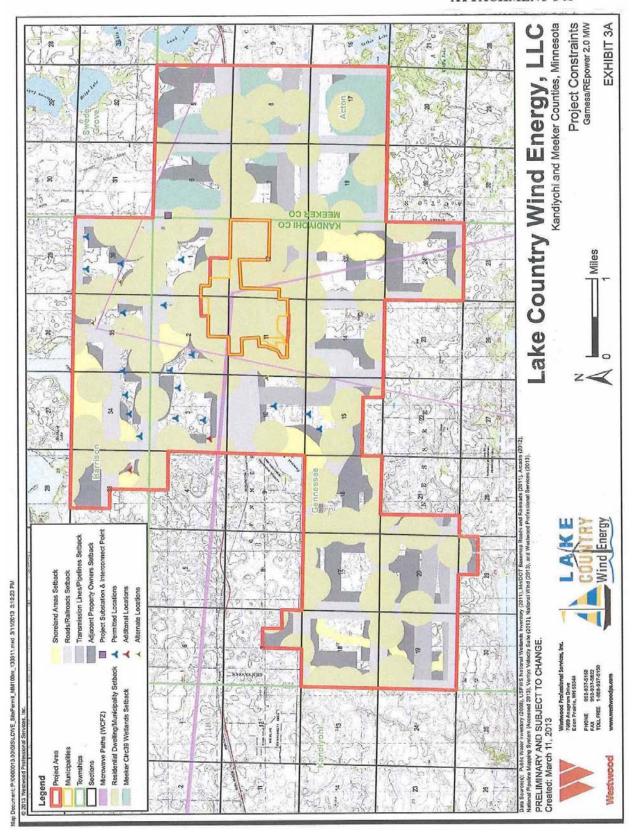
#### 13.2.2 MEEKER COUNTY

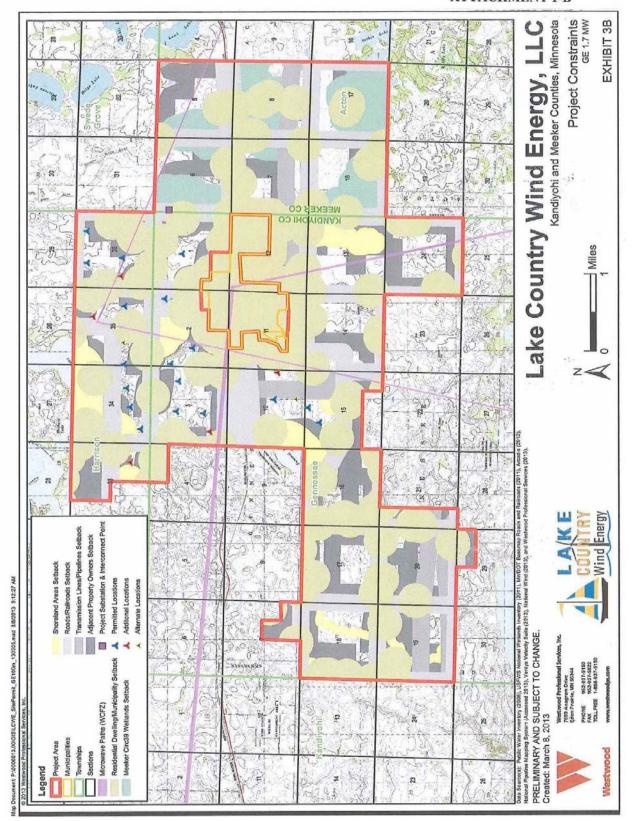
Meeker County has adopted more stringent standards than those identified in Section 4 of this permit for the following features:

- a) Rights-of-way Setback: Turbines shall have a setback of 1 times total turbine height plus 10 feet from the edge of all rights-of-way (roads, railroads, power lines, pipelines, and other recorded rights-of-way).
- b) Wetlands USFWS Types III, IV, and V (five acres or greater): Turbines shall be setback at least three (3) rotor diameters on east-west axis and five (5) rotor diameters on north-south axis from wetlands as defined in Meeker County's LWECS Ordinance.
- c) Other Structures: Turbines shall have a setback of 1 times total turbine height plus 10 feet from structures other than homes or dwellings.
- d) Zoning District Regulations: Turbines shall not be located in the zoning districts where prohibited pursuant to Meeker County's Windpower Management Ordinance.

#### 13.3 AMENDED PERMIT DISTRIBUTION REQUIREMENT

Within thirty (30) days of the issuance of any permit amendment the Permittee shall send an explanatory letter to each landowner within the Project Boundary. The explanatory letter shall accompany the copy of the site permit required to be provided to landowners under Section 5.2 of this permit and shall summarize changes from previously issued permits for this Project. The Permittee shall have the letter approved by Commission staff before sending it.





#### MINNESOTA PUBLIC UTILITIES COMMISSION COMPLAINT HANDLING PROCEDURES FOR LARGE WIND ENERGY CONVERSION SYSTEMS

#### A. <u>Purpose</u>:

To establish a uniform and timely method of reporting complaints received by the Permittee concerning Permit conditions for site preparation, construction, cleanup and restoration, operation, and resolution of such complaints.

#### B. Scope:

This document describes Complaint reporting procedures and frequency.

#### C. Applicability:

The procedures shall be used for all complaints received by the Permittee and all complaints received by the Commission under Minn. Rule 7829.1500 or 7829.1700 relevant to this Permit.

#### D. <u>Definitions:</u>

<u>Complaint:</u> A verbal or written statement presented to the Permittee by a person expressing dissatisfaction or concern regarding site preparation, cleanup or restoration or other LWECS and associated facilities site permit conditions. Complaints do not include requests, inquiries, questions, or general comments.

<u>Substantial Complaint</u>: A written Complaint alleging a violation of a specific Site Permit condition that, if substantiated, could result in Permit modification or suspension pursuant to the applicable regulations.

<u>Unresolved Complaint</u>: A Complaint which, despite the good faith efforts of the permittee and a person(s), remains to both or one of the parties unresolved or unsatisfactorily resolved.

<u>Person:</u> An individual, partnership, joint venture, private or public corporation, association, firm, public service company, cooperative, political subdivision, municipal corporation, government agency, public utility district, or any other entity, public or private, however organized.

#### E. Complaint Documentation and Processing:

1. The Permittee shall designate an individual to summarize complaints for the Commission. This person's name, phone number and e-mail address shall accompany all complaint submittals.

- 2. A Person presenting the Complaint should to the extent possible, include the following information in their communications:
  - a. Name of Complainant, address, phone number, and e-mail address.
  - b. Date of complaint
  - c. Tract or parcel number
  - d. Whether the complaint relates to (1) a Site Permit matter, (2) an LWECS and associated facility issue, or (3) a compliance issue.
- 3. The Permittee shall document all Complaints by maintaining a record of all applicable information concerning the Complaint, including the following:
  - a. Docket Number and Project Name
  - b. Name of complainant, phone number and e-mail address.
  - c. Precise property description or parcel number.
  - d. Name of Permittee representative receiving Complaint and date of receipt.
  - e. Nature of Complaint and the applicable Site Permit conditions(s).
  - f. Activities undertaken to resolve the Complaint.
  - g. Final disposition of the Complaint.

#### F. Reporting Requirements:

The Permittee shall report all complaints to the Commission according to the following schedule:

**Immediate Reports**: All substantial complaints shall be reported to the Commission the same day received, or on the following working day for complaints received after working hours. Such reports are to be directed to the Commission's Consumer Affairs Office at 1-800-657-3782 or <a href="mailto:consumer.puc@state.mn.us">consumer.puc@state.mn.us</a>. Voice messages are acceptable. Email <a href="mailto:E-mailto:E-mailto:E-mailto:E-mailto:E-mailto:E-mailto:complaint">E-mailto:Complaint</a> Subject Line should read "EFP Substantial Complaint Docket Number (WS-XX-XXXX)".

**Monthly Reports**: By the 15th of each month, a summary of all complaints, including substantial complaints received or resolved during the preceding month, shall be Filed to Dr. Burl W. Haar, Executive Secretary, Public Utilities Commission, using the Minnesota Department of Commerce eDocket system (see eFiling instructions attached to this permit).

If no Complaints were received during the preceding month, the permittee shall submit (eFile) a summary indicating that no complaints were received. Permittee shall commence complaint reporting at the beginning of project construction and continue through the term of the permit.

#### G. Complaints Received by the Commission or the Department of Commerce:

Complaints received directly by the Commission or the Department of Commerce from aggrieved persons regarding site preparation, construction, cleanup, restoration, operation and maintenance shall be promptly sent to the Permittee.

#### H. <u>Commission Process for Unresolved Complaints:</u>

<u>Initial Screening</u>: Commission staff shall perform an initial evaluation of unresolved Complaints submitted to the Commission. Complaints raising substantial LWECS Site Permit issues shall be processed and resolved by the Commission. Staff shall notify Permittee and appropriate person(s) if it determines that the Complaint is a Substantial Complaint. With respect to such Complaints, each party shall submit a written summary of its position to the Commission no later than ten days after receipt of the Staff notification. The Complaint will be presented to the Commission for a decision as soon as practicable.

#### I. <u>Permittee Contact for Complaints:</u>

Permittee will eFile the Project's Complaint Contact information within 14 days of the Order granting a site permit and will include the Project's Complaint Contact information in the mailing to landowners and local governments.

#### MINNESOTA PUBLIC UTILITIES COMMISSION COMPLIANCE FILING PROCEDURE FOR PERMITTED ENERGY FACILITIES

#### 1. Purpose

To establish a uniform and timely method of submitting information required by the Commission energy facility permits.

#### 2. Scope and Applicability

This procedure encompasses all compliance filings required by permit.

#### 3. **Definitions**

<u>Compliance Filing</u> – A sending (filing) of information to the Commission, where the information is required by a Commission site or route permit.

#### 4. Responsibilities

A) The permittee shall eFile all compliance filings with Dr. Burl Haar, Executive Secretary, Public Utilities Commission, through the Commission's eDocket system. The system is hosted by the Department of Commerce at: <a href="https://www.edockets.state.mn.us/EFiling/home.jsp">https://www.edockets.state.mn.us/EFiling/home.jsp</a>

General instructions are provided on the website. To eFile a document a Permittee must be registered and obtain a User ID and Password.

- B) All filings must have a cover sheet that includes:
  - 1) Date
  - 2) Name of submitter / permittee
  - 3) Type of Permit (Site or Route)
  - 4) Project Location
  - 5) Project Docket Number
  - 6) Permit Section Under Which the Filing is Made
  - 7) Short Description of the Filing
- C) Filings that are graphic intensive (e.g., maps, plan and profile) must, in addition to being eFiled, be submitted as paper copies and on CD. Copies and CDs should be sent to:
  - 1) Dr. Burl W. Haar, Executive Secretary, Minnesota Public Utilities Commission, 121 7<sup>th</sup> Place East, Suite 350, St. Paul, MN, 55101-2147, and,
  - 2) Department of Commerce, Energy Facility Permitting, 85 7<sup>th</sup> Place East, Suite 500, St. Paul, MN, 55101-2198.

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#### **ATTACHMENT 4**

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## PERMIT COMPLIANCE FILINGS<sup>1</sup>

**PERMITTEE:** Trishe Wind Minnesota, LLC

**PERMIT TYPE:** LWECS Site Permit

**PROJECT LOCATION:** Kandiyohi and Meeker counties

**COMMISSION DOCKET NUMBER:** IP-6846/WS-10-798

## PRE-CONSTRUCTION MEETING

Filing Number	Permit Section	Description	Due Date	Notes
1	4.7	Native Prairie Protection Plan	30 days prior to pre- construction meeting, if required.	Develop in consultation with Commission and DNR
2	5.1	Site Plan	14 days prior to preconstruction meeting.	
3	5.4	Field Representative	14 days prior to preconstruction meeting.	
4	5.8	Complaint Reporting Procedures	14 days prior to preconstruction meeting and complaint submittals on the 15 <sup>th</sup> of each month or within 24 hours.	
5	6.1	Biological & Natural Resource Inventories	30 days prior to pre- construction Meeting.	Results may trigger need for a Native Prairie Protection Plan
6	6.2	Shadow Flicker Analysis	14 days prior to preconstruction meeting.	
7	6.3	Archaeological Resources	14 days prior to pre- construction meeting and as recommended by the State Historic Preservation Office.	

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<sup>&</sup>lt;sup>1</sup> This compilation of permit compliance filings is provided for the convenience of the permittee and the Commission. However, it is not a substitute for the permit; the language of the permit controls.

## **ATTACHMENT 4**

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## PERMIT COMPLIANCE FILINGS

## PRE-CONSTRUCTION MEETING

Filing Number	Condition	Description	Due Date	Notes
8	6.4	Interference	14 days prior to preconstruction meeting.	
9	6.5	Wake Loss	14 days prior to pre- construction meeting and may be included with site plan or operation studies if performed.	
10	6.7	Avian and Bat Protection Plan	30 days prior to preconstruction meeting.	Develop in consultation with Commission and DNR
11	7.8	Roads	14 days prior to preconstruction meeting.	
12	7.11	Soil Erosion and Sediment Control Plan	14 days prior to preconstruction meeting.	
13	7.16	Emergency Response	14 days prior to preconstruction meeting. Must register in 911 Program.	
14	10.1	Wind Rights	14 days prior to preconstruction meeting.	

## PRE-OPERATION COMPLIANCE MEETING

Filing Number	Permit Section	Description	Due Date	Notes
15	5.7	Pre-operation compliance meeting	Prior to commercial preoperation.	
16	6.6	Noise Study Protocol	14 days prior to pre- operation meeting.	
17	9.1 & 9.3	Decommissioning Plan	14 days prior to pre- operation meeting.	

# OTHER COMPLIANCE REQUIREMENTS

Filing Number	Permit Section	Description	Due Date	Notes
18	5.2	Notice to Landowners and Governmental Units	Within 14 days of permit approval to local units of government and within 30 days to landowners.	
19	5.5	Site Manager	14 days prior to prior to commercial operation.	Update contact information as necessary.
20	6.6	Noise Study Results	Within 18 months of Commercial Operation, if required.	
21	6.7.1	Annual Audit Report of ABPP	By March 15 <sup>th</sup> following each complete or partial year of operation.	
22	6.7.2	Quarterly Incident Reports	By 15 <sup>th</sup> January, April, July, and October.	
23	6.7.3	Immediate Incident Report	Within 24 hours of discovery.	
24	6.8	Project Energy Production	Due 2/1 each year.	

## **ATTACHMENT 4**

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25	6.9	Wind Resource Use	February 1 <sup>st</sup> following each partial or complete year of operation.	
26	6.10	Extraordinary Events	Within 24 hours and report on occurrence of event within 30 days.	
27	8.1	As Builts	Within 60 days of completion of construction.	
28	8.4	Notification of Commercial Operation	At least 3 days prior to commencement of commercial operation.	
29	10.2	PPA or Enforceable Mechanism	Within two years of permit issuance.	If no PPA or other enforceable mechanism at time of permit issuance
30	10.3	Failure to Start Construction	Within 2 years of permit issuance.	
32	13.1	Avian & Bat Post Construction Monitoring	Quarterly for one year	