

BEFORE THE MINNESOTA PUBLIC UTILITIES COMMISSION

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Chair
Commissioner
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Commissioner

In the Matter of the Site Permit Application for a
42-Megawatt Large Wind Energy Conversion
System in Stearns County

ISSUE DATE: November 18, 2014

DOCKET NO. IP-6853/WS-10-1240

ORDER AMENDING SITE PERMIT

PROCEDURAL HISTORY

On January 28, 2013, the Commission issued a site permit to Black Oak Wind, LLC (Black Oak) to build a collection of wind turbines and related facilities (a Large Wind Energy Conversion System (LWECS), or wind farm) in Stearns County. Consistent with the requirements of Minn. Stat. Chap. 216F and Minnesota R. Chap 7854, the Commission found that the proposed 40 megawatt (MW) wind farm would be compatible with environmental preservation, sustainable development, and the efficient use of resources.

On September 19, 2014, Black Oak filed a petition to amend its site permit to authorize the use of a different model of wind turbine, install a different number of turbines, and provide a different preliminary layout for the turbines. And on September 26, Black Oak filed a site plan that, among other changes, revised the preliminary turbine layouts.

On September 29, 2014, the Minnesota Department of Natural Resources (DNR) filed comments on the petition, recommending relocation of two of the proposed turbines in the preliminary layout.

On September 30, 2014, the Energy Environmental Review and Analysis unit of the Minnesota Department of Commerce (EERA) filed comments recommending approval of the site permit changes and other modifications as well.

The Commission also received comments from members of the public, both favoring and opposing the project, but not specifically addressing the choice of model, number, or layout of the proposed turbines.

On October 30, 2014, the Commission met to consider the matter. With the parties present, the Commission heard arguments from a group called the Residents of Getty and Raymond Townships, seeking a delay in the proceedings.

FINDINGS AND CONCLUSIONS

I. Summary

In this order the Commission approves the amended site permit with the additional changes proposed by the EERA.

II. Positions of the Parties

A. Black Oak

Black Oak seeks to amend Section 1 of its site permit to allow use of an alternative model of wind turbine – the Vespa V110 2.0 MW turbine -- in lieu of the type of turbine generators specified in the original site permit. Specifically Black Oak proposes to change provisions addressing the number of turbines to be installed, the preliminary layout of the turbines on the site, and the turbines' height and rotor size.

Black Oak states that changes in wind turbine technology, turbine availability, and project negotiations have prompted Black Oak to select Vespa V110 turbine. According to Black Oak, the proposed changes would not substantively change the Commission's findings, made in approving the original site permit, that the proposed wind farm would be compatible with environmental preservation, sustainable development, and the efficient use of resources.

Finally, Black Oak states that it has used the Vestas V110 as a representative turbine model for purposes of preparing pre-construction surveys and reports, and fulfilling other administrative obligations established by the initial site permit. Thus, approving Black Oak's request would not require any revisions to these compliance filings.

B. The Department of Natural Resources

DNR reviewed Black Oak's updated preliminary layout map to assess the risk the revised project would pose to for birds and bats. DNR concludes that the proposed revisions to the permit would not alter the DNR's risk assessment. However, DNR recommends changing the location of two of the turbines in the revised preliminary layout to further reduce the risk to birds and bats.

C. The Department of Commerce's EERA Unit

The EERA reviewed the proposed changes to Section 1 of Black Oak's site permit, and recommends approval. In addition, the EERA recommends making conforming changes to Permit Section 2 – replacing citations to the layout maps Black Oak initially proposed with citations to the new layout map – and Section 4 – replacing references to the tower height Black Oak initially proposed with citations to the new tower height.

Finally, the EERA proposes adding standard language to Section 11.5 directing Black Oak to keep the Commission apprised of the identity of the project's owners.

D. Public Comments

A group called the Residents of Getty and Raymond Townships asks the Commission to refrain from acting on Black Oak's petition pending resolution of a docket on Black Oak's petition to

extend the duration of the wind farm's Certificate of Need.¹ This group asks the Commission to convene public hearings in the Certificate of Need docket. And the group expresses concerns about changes to the revised preliminary layout.

The Commission received other public comments as well. Some of these comments favor the proposed wind farm; some oppose them. But none address the merits of authorizing Black Oak to use the Vespa V110 wind turbines or making other conforming changes to the site permit.

III. Commission Action

A. Approval of Changes Proposed by Black Oak

Under Minn. R. 7854.1300, the Commission may amend a site permit for a Large Wind Energy Conversion System if it finds there is good cause to do so. Here, the Commission finds good cause to amend Black Oak's permit to authorize the use of the Vestas V110 turbine, and to make conforming changes.

Black Oak proposes to install a different turbine with a different rotor diameter on towers with a different height than was initially specified. This reflects an industry trend toward larger rotor diameters. Consequently Black Oak proposes to amend Permit Section 1 to permit this change.

Black Oak proposes to install a different turbine with a different rotor diameter than was initially specified. This reflects an industry trend toward larger rotor diameters. Having identified a specific turbine model, Black Oak also identifies a specific tower height of 80 meters – well within the range of “up to 100 meters” specified in the existing permit. Consequently Black Oak proposes to amend Permit Section 1 to authorize and clarify these changes.

But in other respects, the permit would remain the same. For example, the revised turbine layout would continue to locate all the turbines within the project boundary previously studied for potential human and environmental impacts as part of the permitting process. And this layout would continue to comply with site setback requirements and site layout restrictions, including the Minnesota Pollution Control Agency's noise standards.

Because the proposed change to Section 1 of the site permit would let Black Oak use the turbines of its choice, while continuing to act in a manner compatible with environmental preservation, sustainable development, and the efficient use of resources, the Commission finds good cause to approve the change as set forth in the Ordering Paragraphs.

B. Approval of Changes Proposed by the EERA

For the same reasons, the Commission will also adopt the EERA's proposed changes to Permit Sections 2 and 4. These changes merely conform the rest of the site permit's language to the changes proposed by Black Oak.

¹ See *In the Matter of the Joint Application of Black Oak Wind, LLC and Getty Wind Company, LLC for a Certificate of Need for an up to 82 MW Large Wind Project in Stearns County*, Docket No. IP-6853, IP-6866/CN-11-471.

In addition, the Commission will approve the EERA's proposal to add language directing a permittee to keep the Commission apprised of the wind farm's owners. This provision will aid the Commission in fulfilling its oversight duties.

These changes are also set forth in the Ordering Paragraphs.

C. Denial of Other Relief

In contrast, the Commission concludes that Black Oak's petition to amend its site permit does not provide an appropriate occasion to address many of the other concerns raised in the comments.

In evaluating a request for a site permit, the Commission balances the needs of project developers, neighbors, and the environment. Given the range of concerns, the Commission takes steps to solicit input from all interested persons. But ultimately the Commission must consider the record it has and render a decision.

To obtain information from a wide range of perspectives, in 2011-2012 the Commission directed Black Oak to provide copies of its site permit application to government agencies and landowners. Black Oak published notices about its proposal and the opportunity for public comment – twice in the *Sauk Centre Herald* and once in Minnesota's *Environmental Quality Board Monitor*. And Black Oak participated in two public hearings as well as a Commission meeting. Based on the resulting record, the Commission approved a site permit with conditions sufficient to ensure that the proposed wind farm would be compatible with environmental preservation, sustainable development, and the efficient use of resources. To the extent that commentors now seek to challenge this action, their comments are untimely.

That said, the site permit contemplates that Black Oak will work directly with agencies and members of the public to address their concerns where feasible. Permit Section 2.2 states:

The Project boundary serves to provide the Permittee with the *flexibility* to make 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 the preliminary layout shall be done in such a manner as to have comparable overall human and environmental impacts....” (Emphasis added.)

Attached to each site permit are procedures for handling complaints – that is, a “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.”

Site permit conditions are set forth in, among other places, Permit Sections 4 and 7. Section 4, Setbacks and Site Layout Restrictions, establishes conditions that limit the manner in which the permittee may locate turbines in relationship to residences, noise, roads, public lands, wetlands and native prairies, birds and bats, the site's own boundaries, and other factors. And Section 7, Construction and Operation Practices, establishes conditions on the manner in which the permittee builds its wind farm and repairs any damage done during construction.

Finally, the Commission will also decline to suspend this docket pending developments in another docket. Getty has petitioned to extend the duration of its Certificate of Need, and the Commission is addressing that matter in Docket No. IP-6853, IP-6866/CN-11-471, *In the Matter of the Joint Application of Black Oak Wind, LLC and Getty Wind Company, LLC for a Certificate of Need for an up to 82 MW Large Wind Project in Stearns County*. The issues bearing on whether to grant that petition are unrelated to the issue of whether to authorize Getty to employ different wind turbines. Consequently the Commission finds no need to delay this proceeding.

ORDER

1. The Commission hereby issues the attached Amended Site Permit for Black Oak Wind, LLC. The amended permit replaces the preliminary turbine layout in Attachments 1a, 1b, and 1c with the layout in Attachment 1 from the EERA's September 30, 2014 comments, and makes the following additional changes:

SECTION 1 PROJECT DESCRIPTION

The up to 42 MW nameplate capacity LWECs authorized to be constructed in this Permit (Black Oak Wind Farm) will be developed and constructed by the Permittee. The Project will consist of up to ~~28 1.5 Megawatt (MW) wind turbine generators, up to 22 1.8 MW wind turbine generators, or up to 13 3.0 MW~~ 21 Vestas V110 2.0 MW wind turbine generators mounted on towers with a height of ~~262 to 328 feet (80 to 100 meters)~~ towers 262 feet (80 meters) having a combined nominal nameplate capacity of up to 42 MW. The rotor diameter is ~~285 to 367 feet (87 to 112 meters)~~ 361 feet (110 meters). Associated facilities will include....

* * *

SECTION 2 DESIGNATED SITE

2.1 PROJECT BOUNDARY

The Project boundary is shown on the map at Attachment 1 ~~maps at Attachments 1a, 1b, and 1c~~....

* * *

2.2 TURBINE LAYOUT

Three preliminary wind turbine and associated facility layouts are shown on the map attached to this permit. ~~maps at Attachments 1a, 1b, and 1c~~. Each The preliminary layout represents the approximate location of wind turbines and associated facilities within the Project boundary and identifies a layout that minimizes the overall potential human and environmental impacts of the Project, 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 make 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 the 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 submit the final site layout in the site plan pursuant to Section 5.1.

* * *

SECTION 4 SETBACKS AND SITE LAYOUT RESTRICTIONS

* * *

4.9 WIND TURBINE TOWERS

Structures for wind turbines shall be self-supporting tubular towers. The towers may be up to ~~100 meters (328 feet)~~ 262 feet (80 meters) above grade measured at the hub.

4.10 TURBINE SPACING

The turbine towers shall be constructed within the site boundary as shown in Attachment 1 ~~Attachments 1A, 1B and 1C~~. 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 micro-siting 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.

* * *

SECTION 11 COMMISSION POST-ISSUANCE AUTHORITIES

* * *

11.5 TRANSFER OF PERMIT

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.

Within 20 days after the date of the notice provided in Section 8.4, the Permittee shall file a notice describing its ownership structure, identifying, as applicable:

- a. The owner(s) of the financial and governance interests of the Permittee;
- b. The owner(s) of the majority financial and governance interests of the Permittee's owners; and
- c. The Permittee's ultimate parent entity (meaning the entity which is not controlled by any other entity).

The Permittee shall notify the Commission of:

- a. A change in owner(s) of the majority* financial or governance interests in the Permittee;
- b. A change in owner(s) of the majority* interest financial or governance interests of the Permittee's owners; or
- c. A sale which changes the parent entity of the Permittee.

* When there are only co-equal 50/50 percent interests, any change shall be considered a change in majority interest.

The Permittee shall notify the Commission of:

- a. The sale of a parent entity or a majority interest in the Permittee;
- b. The sale of a majority interest of the Permittee's owners or majority interest of the owners; or
- c. A sale which changes the entity with ultimate control over the Permittee.

2. This Order shall become effective immediately.

BY ORDER OF THE COMMISSION



Burl W. Haar
Executive Secretary



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STATE OF MINNESOTA PUBLIC UTILITIES COMMISSION

**SITE PERMIT FOR A
LARGE WIND ENERGY CONVERSION SYSTEM**

IN STEARNS COUNTY MINNESOTA

**ISSUED TO
BLACK OAK WIND, LLC**

PUC DOCKET NO. IP-6853/WS-10-1240

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

Black Oak Wind, LLC

Black Oak Wind, LLC is authorized to construct and operate up to a 42 Megawatt Large Wind Energy Conversion System on the site identified in this site permit and in compliance with the conditions contained in this permit.

This permit shall expire thirty (30) years from January 28, 2013, the original date of this approval.

Amended Approved and adopted this 18th day of November, 2014

BY ORDER OF THE COMMISSION



BURL W. HAAR
Executive Secretary



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SITE PERMIT

This **SITE PERMIT** for a Large Wind Energy Conversion System (LWECS) authorizes Black Oak Wind, LLC, (Permittee) to construct the Black Oak Wind Farm (Project), a 42 Megawatt (MW) nameplate capacity LWECS and associated facilities in Stearns County, on a site of approximately 7,100 acres in accordance with the conditions contained in this Permit.

SECTION 1

PROJECT DESCRIPTION

The up to 42 MW nameplate capacity LWECS authorized to be constructed in this Permit (Black Oak Wind Farm) will be developed and constructed by the Permittee. The Project will consist of up to ~~28 1.5 Megawatt (MW) wind turbine generators, up to 22 1.8 MW wind turbine generators, or up to 13 3.0 MW~~ 21 Vestas V110 2.0 MW wind turbine generators mounted on towers with a height of ~~262 to 328 feet (80 to 100 meters)~~ towers 262 feet (80 meters) having a combined nominal nameplate capacity of up to 42 MW. The rotor diameter is ~~285 to 367 feet (87 to 112 meters)~~ 361 feet (110 meters). Associated facilities will include wind turbine access roads, communications cables, electrical collector and feeder lines, an operations and maintenance facility, and up to two meteorological towers. Depending upon the turbine model selected, transformers will either be pad mounted or within the nacelle. Turbines are interconnected by communication and underground electrical power collection facilities within the wind farm that will deliver wind-generated power to the Project substation. Power will ultimately be delivered from the Project substation to the grid at the Black Oak Switching Station owned by Xcel Energy. The Permittee will seek local permitting for the operation and maintenance facility and the transmission line delivering the power from the Project Substation to Xcel Energy's Black Oak Substation.

SECTION 2

DESIGNATED SITE

2.1 PROJECT BOUNDARY

The Project boundary is shown on the ~~maps at Attachments 1a, 1b, and 1c~~ map at Attachment 1. The Project is located in the following townships in Stearns County:

Township Name	Sections	Township	Range
Ashley	25, 26, 27, 34, 35, 36	126N	35W
Raymond	1, 2, 3, 11, 12, 14, 13, 23	125N	35W

2.2 TURBINE LAYOUT

Three preliminary wind turbine and associated facility layouts are shown on ~~maps at Attachments 1a, 1b, and 1c~~ the map attached to this permit. ~~Each~~ The preliminary layout represents the approximate location of wind turbines and associated facilities within the Project boundary and identifies a layout that minimizes the overall potential human and environmental impacts of the Project, 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 make 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 the 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 submit 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 December 6, 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, which is provided solely for the convenience of the Permittee. If this permit conflicts or is not consistent with Attachment 4, the conditions in this permit will control.

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 lands 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 1,000 feet from any residence unless a waiver has been signed by the property owner(s), or the distance required to comply with the noise standards pursuant to Minnesota Rule 7030.0040 established by the Minnesota Pollution Control Agency (PCA), whichever is greater. In no case shall wind turbine towers be located closer than 500 feet from any residence.

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 PCA at all times 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 PCA 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 turbine and meteorological towers shall not be located closer than 250 feet from the edge of the nearest public road right-of-way.

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, Wildlife Management Areas, Scientific and Natural Areas, or county parks. Wind turbine 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. 15a 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), the United States Army Corps of Engineers (USACE), and local units of government as implementers of the Minnesota Wetland Conservation Act.

4.7 NATIVE PRAIRIE

The Permittee shall, in consultation with the Commission and DNR, prepare a Prairie Protection and Management Plan and submit it to the Commission and DNR at least fourteen (14) days prior to the 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 for 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 native 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 may be up to ~~400 meters (328 feet)~~ 262 feet (80 meters) above grade measured at the hub.

4.10 TURBINE SPACING

The turbine towers shall be constructed within the site boundary as shown in ~~Attachments 1A, 1B and 1C~~ Attachment 1. 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 micro-siting 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 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 licensed private airports (as defined in Minnesota Rule 8800.0100, subparts 24a and 24b) in Minnesota, adjacent states, or provinces. The Permittee shall apply the minimum obstruction clearance for private airports pursuant to Minnesota Rule 8800.1900, subpart 5. Setbacks or other limitations shall be followed in accordance with the Minnesota Department of Transportation (DOT) Department of Aviation,

and 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, 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) communication cables underground and within or adjacent to the land necessary for turbine access roads unless otherwise negotiated with the affected landowner(s).

4.15 ELECTRICAL COLLECTOR AND FEEDER LINES

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-of-way 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 shield 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], and 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 shall be executed in accordance with the Permit Compliance Filings at Attachments 3 and 4.

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 and 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 the 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 a turbine. 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 the permit.

5.2 NOTICE TO LOCAL RESIDENTS

Within fourteen (14) days of approval of this Permit, 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. If applicable, the Permittee shall, within fourteen (14) days of permit approval, 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 counties where the site is located. Within thirty (30) days of issuance 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 affected landowner receive the 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 start of construction 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 and emergency phone number shall be provided to the Commission, which may make the number available to local residents and officials and other interested persons. The Permittee may change the field representative by notification to the Commission.

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, and phone number, and emergency phone number of the site manager prior to placing any turbine into commercial operation. This information shall be maintained current by informing the Commission of any changes as they become effective.

5.6 PRE-CONSTRUCTION MEETING

Prior to the start of any construction, the Permittee shall conduct a pre-construction meeting with the Field Representative and the State Permit Manager designated by the Commission to coordinate field monitoring and construction activities.

5.7 PRE-OPERATION COMPLIANCE MEETING

At least fourteen (14) days prior to commercial operation, the Permittee shall conduct a pre-operation compliance meeting with the Site Manager and State Permit Manager designated by the Commission to coordinate field monitoring of operation activities.

5.8 COMPLAINTS

At least fourteen (14) days prior to the pre-construction meeting, the Permittee shall submit to 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 LWECS in accordance with the procedures provided in Attachments 2 and 3 of this Permit.

SECTION 6

SURVEYS AND REPORTING

6.1 BIOLOGICAL INVENTORY/SURVEY

The Permittee, in consultation with DNR and other interested parties, 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 any surveys shall be submitted to the Commission and DNR at least thirty (30) days prior to the pre-construction meeting to confirm compliance of conditions of this permit.

The Permittee shall provide to the Commission 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. Information shall include the results of modeling used, assumptions made, and the anticipated levels of exposure from turbine shadow flicker on each residence. The Permittee shall provide documentation on its efforts to minimize shadow flicker exposure. The results of any modeling shall be submitted to the Commission at least fourteen (14) days prior to the pre-construction meeting to confirm compliance of conditions in 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 I or IA 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 will 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 C.F.R 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 and the SHPO about the discovery. The Commission and SHPO shall have three (3) 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 fourteen (14) days prior to the pre-construction meeting, the Permittee shall submit to the Commission 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 provide to the Commission the pre-construction micro-siting analysis leading to the final tower locations and an estimate of total Project wake losses. As part of the annual report on project energy production required under Section 6.8 of the permit the Permittee shall provide to the Commission any operational wake loss studies conducted on this Project during the calendar year preceding the report.

6.6 NOISE

The Permittee shall submit a proposal to 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 submit 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 comply with the provisions of the Revised Avian and Bat Protection Plan submitted for this Project on July 10, 2012 and revisions resulting from the annual audit of ABPP practices. The plan addresses steps to be taken to identify, avoid, minimize and mitigate impacts to avian and bat species during the construction phase and the operation phase of the Project. The plan also includes 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 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 fatality estimates for the Project using multiple 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 DNR and to the U.S. Fish and Wildlife Service at the time of filing with the Commission.

6.7.2 QUARTERLY INCIDENT REPORTS

The Permittee shall submit quarterly avian and bat reports to the Commission. 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 or 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 (if known) of the occurrence and the steps taken to address future occurrences. The Permittee shall provide a copy of the report to DNR and to 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, United States Fish and Wildlife Service (USFWS) and DNR within twenty-four (24) hours of the discovery of any of the following:

- (a) five or more dead or injured non-protected avian or bat species within a reporting period; (see USFWS comment)
- (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 1st following each complete or partial year of Project operation submit a report to the Commission including:

- (a) The installed 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, curtailments, or turbine performance improvements occurring in the previous year; and
- (f) Any other information reasonably requested by the Commission.

This information must be submitted electronically.

6.9 WIND RESOURCE USE

The Permittee shall, by February 1st 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 must be submitted 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, submit a report to 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 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 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. Upon request of the Commission, the Permittee shall notify the Commission of such arrangements.

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, USFWS, and/or 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 township, 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 prior to construction 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 PCA 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 installed 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 boundaries 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 submit a copy of the plan to 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 LW ECS 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 submit to the Commission a copy of the as-built plans and specifications. The Permittee must also submit this data in a GIS compatible format so that the Commission can place it into the Minnesota Geospatial Information Office's geographic data clearinghouse located in the Department of Administration.

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 COMMISSION

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

SECTION 9

DECOMMISSIONING/RESTORATION/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 part 7854.0500, subp.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 for 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 submitted to 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 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 submitted to the Commission outlining the steps and schedule for returning the Project, or any turbine with 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 LWECS 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 power purchase agreement or enforceable mechanism. In such event, the Commission shall 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 Rule 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, as defined in Minnesota Statutes section 216E.01, 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 Rule 7854.1300.

10.4 PREEMPTION OF OTHER LAWS

Pursuant to Minnesota Statute 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 submit 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 PCA (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 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 preempted 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 the 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 THE 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 shall determine that it is appropriate to consider revocation or suspension of this Permit, the Commission shall proceed in accordance with the requirements of Minnesota Rule 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 the 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

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.

Within 20 days after the date of the notice provided in Section 8.4, the Permittee shall file a notice describing its ownership structure, identifying, as applicable:

- a. The owner(s) of the financial and governance interests of the Permittee;
- b. The owner(s) of the majority financial and governance interests of the Permittee's owners; and
- c. The Permittee's ultimate parent entity (meaning the entity which is not controlled by any other entity).

The Permittee shall notify the Commission of:

- a. A change in owner(s) of the majority* financial or governance interests in the Permittee;
- b. A change in owner(s) of the majority* interest financial or governance interests of the Permittee's owners; or
- c. A sale which changes the parent entity of the Permittee.

* When there are only co-equal 50/50 percent interests, any change shall be considered a change in majority interest.

The Permittee shall notify the Commission of:

- a. The sale of a parent entity or a majority interest in the Permittee;
- b. The sale of a majority interest of the Permittee's owners or majority interest of the owners; or
- c. A sale which changes the entity with ultimate control over the Permittee.

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 to be submitted to the Commission under this Permit may constitute trade secret information or other type of proprietary information under the Data Practices Act or other law and is not to be made available by the Commission. 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 APPLICATION OF COUNTY STANDARD

The Permittee shall site all wind turbines and associated facilities consistent with the wind energy ordinances adopted by Stearns County unless the ordinances are waived by Stearns County. Stearns County has adopted more stringent standards than those identified in Section 4 of this permit for the following features:

- (a) Occupied Structure – Participating Property Owner: Turbines shall be set back at least 500 feet and sufficient distance to meet the state noise standard, from occupied structures of participating property owners;
- (b) Occupied Structure – Non-Participating Property Owner: Turbines shall be set back at least 1,000 feet and sufficient distance to meet the state noise standard from occupied structures of non-participating property owners;
- (c) Shadow Flicker Modeling: Permittee shall incorporate assumptions identified in Stearns County Ordinance when modeling for shadow flicker; and
- (d) Shoreland Overlay District: Turbines shall not be placed within areas designated by Stearns County as a “Shoreland Overlay District.”

13.2 OVERHEAD FEEDER LINES

The Permittee shall use bird flight diverters on overhead feeder lines within or adjacent to delineated wetland areas and waterways. The Permittee shall provide DNR and the Commission with the location and spacing of proposed bird flight diverters at least fourteen (14) days prior to construction of overhead feeder lines.

13.3 SITE-SPECIFIC BAT STUDY

The Revised Avian and Bat Protection Plan dated July 12, 2012 includes provision for a site-specific study characterizing bat activity and species present within the Project area to be analyzed in the bat study. The Permittee shall submit a report summarizing the findings of the

study and recommendations for further actions to the Commission no later than December 15, 2012. Need for additional studies shall be based on review of this compliance filing.

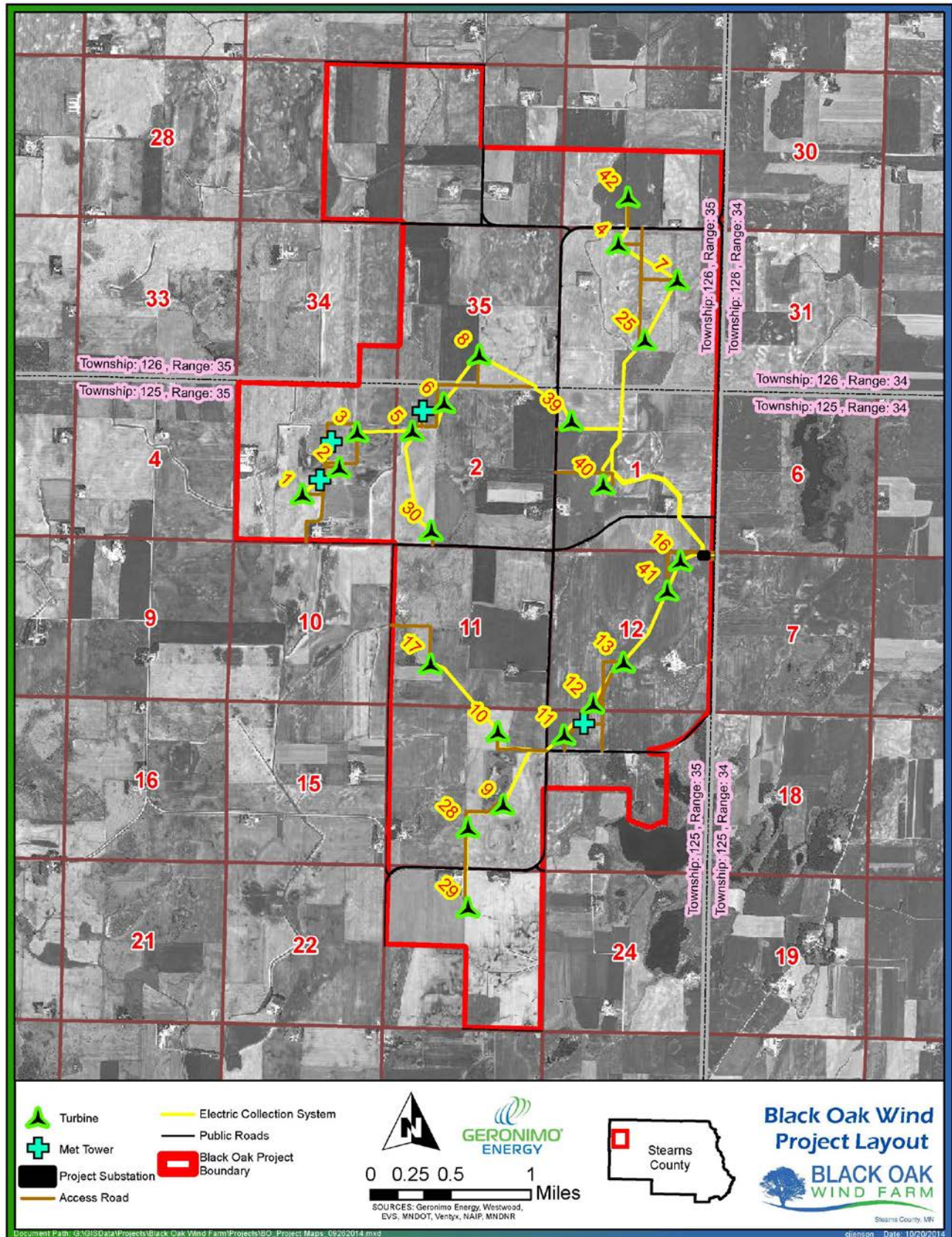
13.4 AVIAN AND BAT POST-CONSTRUCTION FATALITY MONITORING

The Permittee shall, in consultation with the USFWS and DNR, design and implement a post-construction avian and bat fatality survey for a site considered to be of, at minimum, moderate risk to wildlife. The survey design shall be filed with the Commission no later than ninety (90) days prior to commercial operation of the Project. The survey shall be conducted for a minimum of one complete field season starting March 15 and ending November 15 after the commencement of commercial operation.

Monitoring results shall be submitted to Commission, DNR, and USFWS at least quarterly. Results shall be provided in an Excel spreadsheet and include summarized and raw data.

13.5 PROJECT SUBSTATION

The location of the Project Substation shall comply with the setback requirements set forth in Stearns County Land Use and Zoning Ordinance.



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

A. Purpose

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 Minnesota Public Utilities Commission (Commission) under Minn. R. 7829.1500 or 7829.1700 relevant to this permit.

D. Definitions

Complaint: A verbal or written statement presented to the permittee by a person expressing dissatisfaction or concern regarding site preparation, cleanup or restoration or other Large Wind Energy Conversion System (LWECS) and associated facilities permit conditions. Complaints do not include requests, inquiries, questions, or general comments.

Substantial Complaint: A written complaint alleging a violation of a specific permit condition that, if substantiated, could result in permit modification or suspension pursuant to the applicable regulations.

Unresolved Complaint: A complaint which, despite the good faith efforts of the permittee and a person, remains to both or one of the parties unresolved or unsatisfactorily resolved.

Person: 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 email 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, address, phone number, and email address;
 - b. date of complaint;
 - c. tract or parcel number; and
 - d. whether the complaint relates to 1) a permit matter, 2) a LWECS or 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, address, phone number and email address;
 - c. precise description of property or parcel number;
 - d. name of permittee representative receiving complaint and date of receipt;
 - e. nature of complaint and the applicable permit condition(s);
 - f. activities undertaken to resolve the complaint; and
 - g. final disposition of the complaint.

F. Reporting Requirements

The permittee shall commence complaint reporting at the beginning of project construction and continue through the term of the permit. 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 (voice messages are acceptable) or consumer.puc@state.mn.us. For e-mail reporting, the email subject line should read "EFP Complaint" and include the appropriate project docket number.

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 eDocket system. The eDockets system is located at: <https://www.edockets.state.mn.us/EFiling/home.jsp>

If no complaints were received during the preceding month, the permittee shall file a summary indicating that no complaints were received.

G. Complaints Received by the Commission

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

H. Commission Process for Unresolved Complaints

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 the permittee and appropriate persons 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 (10) days after receipt of the staff notification. The complaint will be presented to the Commission for a decision as soon as practicable.

I. Permittee Contacts for Complaints and Complaint Reporting

The permittee will eFile the complaint contact information within 14 days of the order granting a site permit or amendment and will include the complaint contact information in the mailing to landowners and local governments.

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

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

A. Purpose

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

B. Scope and Applicability

This procedure encompasses all compliance filings required by permit.

C. Definitions

Compliance Filing: A filing of information to the Commission, where the information is required by a Commission site or route permit.

D. Responsibilities

1. The permittee shall eFile all compliance filings with Dr. Burl W. Haar, Executive Secretary, Public Utilities Commission, through the eDockets system. The eDockets system is located at: <https://www.edockets.state.mn.us/EFiling/home.jsp>

General instructions are provided on the eDockets website. Permittees must register on the website to eFile documents.

2. All filings must have a cover sheet that includes:
 - a. Date
 - b. Name of submitter/permittee
 - c. Type of permit (site or route)
 - d. Project location
 - e. Project docket number
 - f. Permit section under which the filing is made
 - g. Short description of the filing

3. Filings that are graphic intensive (e.g., maps, engineered drawings) must, in addition to being eFiled, be submitted as paper copies and on CD. Paper copies and CDs should be sent to: 1) Dr. Burl W. Haar, Executive Secretary, Minnesota Public Utilities Commission, 121 7th Place East, Suite 350, St. Paul, MN 55101-2147, and 2) Department of Commerce, Energy Environmental Review and Analysis, 85 7th Place East, Suite 500, St. Paul, MN 55101-2198.

The Commission may request a paper copy of any eFiled document.

ATTACHMENT 4: PERMIT COMPLIANCE FILINGS

PERMIT COMPLIANCE FILINGS¹

PERMITTEE: Black Oak Wind, LLC
PERMIT TYPE: LWECS Site Permit
PROJECT LOCATION: Stearns County
COMMISSION DOCKET NUMBER: IP-6853/WS-10-1240

PRE-CONSTRUCTION MEETING

Permit Section	Description	Due Date	Notes	eDocket Doc. ID	Date Filed
4.7	Native Prairie Protection Plan	14 days prior to pre-construction meeting, if required.	Develop in consultation with Commission and DNR.		
5.1	Site Plan	14 days prior to pre-construction meeting.			
5.4	Field Representative	14 days prior to pre-construction meeting.			
5.8	Complaint Reporting Procedures	14 days prior to pre-construction meeting.			
6.1	Biological & Natural Resource Inventories	30 days prior to pre-construction Meeting.	Results may trigger need for a Native Prairie Protection Plan.		
6.2	Shadow Flicker Analysis	14 days prior to pre-construction meeting.			
6.3	Archaeological Resources	14 days prior to pre-construction meeting and as recommended by the State Historic Preservation Office.			
6.4	Interference	14 days prior to pre-construction Meeting.			

PRE-CONSTRUCTION MEETING

¹ 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: PERMIT COMPLIANCE FILINGS

Permit Section	Description	Due Date	Notes	eDocket Doc. ID	Date Filed
6.5	Wake Loss	14 days prior to pre-construction meeting.			
7.8	Road Identification	14 days prior to pre-construction meeting.			
7.11	Soil Erosion & Sediment Control Plan	14 days prior to pre-construction.	May be the same as NPDES SWPPP.		
7.16	Emergency Response	14 days prior to pre-construction meeting.	Must register in 911 Program.		
10.1	Wind Rights	14 days prior to pre-construction meeting.			

PRE-OPERATION COMPLIANCE MEETING

Permit Section	Description	Due Date	Notes	eDocket Doc. ID	Date Filed
5.7	Pre-operation compliance meeting	14 days prior to commercial operation.			
6.6	Noise Study Protocol	14 days prior to pre-operation meeting.			
9.1 & 9.3	Decommissioning Plan	14 days prior to commercial operation.			

OTHER REQUIREMENTS

Permit Section	Description	Due Date	Notes	eDocket Doc. ID	Date Filed
5.2	Notice to Landowners & Government Units	Within 30 working days of permit issuance.			
5.5	Site Manager	14 days prior to commercial	Update contact information as necessary.		

ATTACHMENT 4: PERMIT COMPLIANCE FILINGS

		operation.			
5.8	Complaints	Complaint submittals on the 15 th of each month or within 24 hours.	Must eFile report even if no complaints.		
6.6	Noise Study Results	Within 18 months of Commercial Operation.			
6.7.1	Annual Audit Report of ABPP	By March 15 following each complete or partial year of operation			
6.7.2	Quarterly Incident Reports	By the 15 th of January, April, July, and October			
6.7.3	Immediate Incident Reports	Within 24 hours of discovery			
6.8	Project Energy Production	Due 2/1 each year.			
6.9	Wind Resource Use	February 1 st following each complete or partial year of operation			
6.10	Extraordinary Events	Within 24 hours and report on occurrence of event within 30 days.			
8.1	As Builts	Within 60 days of completion of construction.			

OTHER REQUIREMENTS

8.4	Notification to Commission	3 days prior to commercial operation			
10.2	PPA or Enforceable Mechanism	Within 2 years of permit issuance.	If no PPA or other enforceable mechanism at time of permit issuance.		
10.3	Failure to Start Construction	Within 2 years of permit issuance.			
13.3	Site Specific Bat Study	December 15, 2012			

ATTACHMENT 4: PERMIT COMPLIANCE FILINGS

13.4	Avian and Bat Post-Construction Monitoring – Survey Design	90 days prior to commercial operation of the Project			
13.4	Avian and Bat Post-Construction Monitoring – Monitoring Results	At least quarterly, so long as monitoring is being conducted			