

Conditional Use Permit Application
Codington County, SD
Crowned Ridge Wind, LLC
Crowned Ridge Wind II, LLC

June 8th, 2018

Luke Muller
Codington County Planning & Zoning
1910 W. Kemp Ave
Watertown, SD 57201

Re: Codington County – Conditional Use Permit Application for Crowned Ridge Wind, LLC and Crowned Ridge Wind II, LLC

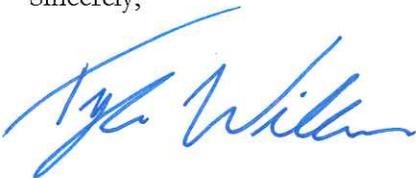
Dear Mr. Muller,

Crowned Ridge Wind, LLC & Crowned Ridge Wind II, LLC respectfully requests your review and consideration of the enclosed application for a Conditional Use Permit to construct and operate a Wind Energy System (WES) in Codington County.

Enclosed with this letter for the application is a participating property owner list, corresponding map, and a project overview. Also included are all maps, plans, studies, reports, and analyses required for submittal per Chapter 5.22 WES Requirements of the Codington County Ordinance #65.

Please do not hesitate to contact me if you have any questions or concerns.

Sincerely,



Tyler Wilhelm
Project Manager, Renewable Development
Crowned Ridge Wind, LLC
Crowned Ridge Wind II, LLC
(561) 694-3193
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Conditional Use Permit Application
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I. PROJECT INTRODUCTION | Codington County Conditional Land Use Permit Application

Crowned Ridge Wind, LLC and Crowned Ridge Wind II, LLC, (together "*Crowned Ridge*"), Delaware limited liability companies, wholly owned, indirect subsidiary of NextEra Energy Resources, LLC ("*NextEra Energy Resources*"), proposes to construct the Crowned Ridge Wind and Crowned Ridge Wind II wind energy facilities, (the "*Facility*") in Codington, Deuel and Grant Counties, South Dakota. The portion of the Facility located in Codington County will include approximately 164 wind turbines, totaling approximately 370 megawatts ("*MW*"), associated transmission and operation facilities.

NextEra Energy Resources is North America's largest producer of wind energy with 130 wind facilities in operation throughout 32 states and Canada, totaling more than 21,000 MW of wind power. NextEra Energy Resources added over 1,000 MW of new wind generation to its portfolio in 2017. Currently, NextEra Energy Resources portfolio of facilities totals 21,000 net megawatts of generating capacity from power plants operating in 32 states and Canada.

As shown in this Application, Crowned Ridge has been diligent in designing the Facility which meets or exceeds the requirements of the Codington County Wind Energy System Requirements (5.22 Wind Energy System Requirements).

This Application is in response, and outlined accordingly, to the Codington County Zoning Ordinance. A section for "Additional Information" has also been included within this application.

Project Developer Contact:

Tyler Wilhelm
Crowned Ridge Wind, LLC
Crowned Ridge Wind II, LLC
561-694-3193
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II. WIND ENERGY SYSTEM | Conditional Land Use Permit Requirements

Crowned Ridge adheres to the following *Wind Energy Systems* Conditional Use requirements, as outlined in “Section 5.22. Wind Energy System Requirements,” of the Codington County Zoning Ordinance.

1) APPLICANT IDENTIFICATION

Project Developer:

Crowned Ridge Wind, LLC

Crowned Ridge Wind II, LLC

700 Universe Boulevard Juno Beach, Florida 33408

2) PROJECT DESCRIPTION

Codington County Description

The Facility will be located between 154th Street to the north and 178th Street to the south. The western most extant of the Facility is Interstate 29 and 466th Avenue to the east. The portion of the Facility proposed in Codington County will include approximately 164 turbine locations (including alternate turbines) and associated transmission and operation facilities.

Approximately 450 construction workers will proudly be supported during the construction phase of the Facility. Local businesses, including those who participate in providing construction materials, housing, food, recreation, and day to day necessities, will benefit from this temporary increase in personnel.

Legal Description of Property

See Parcel Exhibit Map & Parcel List in **Appendix A & Appendix B.**

Construction Schedule

Assuming all permits are issued, the below table depicts an anticipated schedule outlining major Crowned Ridge milestones.

CROWNED RIDGE Energy Center Milestones	
Break Ground	Winter, 2018
Road Work & Collection	Spring, 2019
Turbine Delivery Commencement	Summer, 2019
Substation Energization	Fall, 2019
Commercial Operation Date	Winter, 2019

Crowned Ridge will continue to update the anticipated construction table as needed and submit a finalized construction schedule prior to construction.

3) SITE PLAN

The Facility site plan ("site plan") can be found in **Appendix E**.

The site plan, which includes maps showing the physical features and land uses of the project area, include the following:

- a) The project area boundaries.
- b) The locations and dimensions of all existing and proposed Wind Energy Systems.
- c) Existing topography.
- d) All new infrastructures above ground related to the Facility.
- e) Existing occupied residential structures, businesses, churches, and buildings owned and / or maintained by a governmental entity.

4) SOUND PRESSURE LEVEL

A copy of the Sound Pressure Level Report can be found in **Appendix F**.

5) CERTIFICATIONS

Crowned Ridge will comply with all applicable federal, state, and local laws and regulations and will obtain all required federal, state, and local approvals, licenses, permits or variances for the proposed wind project prior to the date of construction. Crowned Ridge performs a systematic evaluation of its wind projects to ensure they are sited in an environmentally responsible manner, and in compliance with all applicable local, state and federal laws and regulations.

The following list represents permits and approvals being pursued, regarding Codington County, as part of this Facility:

Federal/State Permits:

1. Federal Aviation Administration (FAA) Determinations of No Hazard for turbine and permanent MET tower locations.
2. United States Army Corps of Engineers, Nationwide Permit under § 404 of the Clean Water Act (subject to §401 state certification), if necessary.
3. Coordination with the United States Fish and Wildlife Service for federal coordination under the voluntary Land Based Wind Siting Guidelines and state permitting requirements.
4. South Dakota Public Utilities Commission (PUC) Permit for the construction and operation of a Wind Energy Facility.
5. South Dakota Public Utilities Commission (PUC) Permit for the construction and operation of a Transmission Facility.
6. Concurrence from the State Historic Preservation Office (SHPO) for state PUC permitting.
7. South Dakota Department of Environment and Natural Resources potential permits:
 - a. Concrete Batch Plant Air Permit - if required.
 - b. General Permit for Storm Water Discharges.

- c. Section 401 Water Quality Certification - if required separately.
8. South Dakota Department of Transportation, Highway Access/Approach Permit- if applicable.
9. South Dakota Department of Transportation, Utility Permit if applicable.
10. South Dakota Department of Transportation, Division of Highway Patrol – Oversized and/or Overweight Permit/Trip Permit/Fuel Permit.

Local Permits:

1. Land use or zoning regulations and permitting.
2. Conditional Use Permit.
3. Heavy Haul Road Agreement.
4. Road Crossing Agreement.
5. Right-of-Way Permit.
6. Road Use Agreement.
7. Pipeline Crossing Permit.
8. Utility Crossing Agreement.
9. Railroad Crossing Agreement.
10. Building Permit(s) (including, but not limited to, turbine foundation, substation and transmission line).
11. Turning and Radii Permits.
12. Operation and Maintenance (“O&M”) Building Permits.
13. Any/all temporary laydown trailer building permits, as required.
14. Transportation plan/permit for contractor provided material and equipment, as required.

6) SHADOW FLICKER REPORT

A copy of the Shadow Flicker Report can be found in **Appendix F**.

7) DECOMMISSIONING SUMMARY

The Decommissioning summary can be found in **Appendix G**.

8) ECONOMIC BENEFITS

Construction of the Facility is expected to directly employ approximately 450 workers on-site, including construction workers, engineers, electricians, truck and tractor drivers, environmental consultants, and a number of other contractors and service providers. This estimate represents the number of people expected to work on-site during the construction phase.

Construction of the Facility is expected to, in part, directly employ workers from Codington and neighboring Counties on-site during the construction period. On-site jobs will include those associated with site work, foundations, electrical, tower erection, and other associated labor needed to construct the Facility.

Construction of the Facility would also support economic activity elsewhere in Codington County and the State of South Dakota. Indirect supply-chain impacts would support several hundred jobs in South Dakota, with the majority of these jobs resulting from in-state expenditures on materials, specifically concrete, rebar, equipment, roads, and site preparation. Hotels, motels, restaurants, gas stations, pharmacies, grocery stores, hardware stores, machine shops, electrical supply companies, repair firms, equipment rental companies, and other local businesses would also potentially see an increase in demand for their goods and services.

Additionally, lease payments to landowners will generate annual benefits to the local economy over the life of the Facility. These payments represent a net increase in income for the landowner. Each turbine occupies a relatively small footprint when compared to the site as a whole, and landowners can continue farming and livestock operations on their property.

Direct employment, local O&M expenditures, lease payments would all support indirect and induced employment and income elsewhere in Codington County and the state as a whole. These benefits would be smaller than the construction-related benefits, but would occur each year and would likely gradually increase over time.

Overall, construction related benefits in Codington County would be smaller than the statewide impacts, reflecting the size of the local economy, but these jobs would make an important short-term contribution to the Codington County economy, generating a substantial positive impact to local businesses.

Operation

Once the construction phase is complete, operation and maintenance of the project will continue to contribute to the local economy. Crowned Ridge anticipates that operation of the Facility will provide direct employment for approximately seven to twelve (7-12) workers. In addition, project related O&M expenditures will generate economic benefits in the local economy. Typical local O&M related expenditures include vehicle related expenditures, such as fuel costs, site maintenance, replacement parts and equipment, and miscellaneous supplies.

9) LOCAL CONTRIBUTIONS

The goal of this proposed Community Outreach Plan is guided by Crowned Ridge to serve as the first and best source of information about this project, to give citizens and stakeholders an opportunity to both learn about and participate in its development. The Crowned Ridge Community Outreach Plan includes the following components:

- Conduct public open houses in the Project Area; and
- Establish a project email address to solicit feedback; and
- Create and distribute project fact sheets and updates that can be shared with citizens; and
- Conduct interviews and editorial board meeting(s) with local media; and
- Meet with stakeholders and community organizations in small-group settings, as needed, and
- Support local organizations through donations and sponsorships.

Public Open Houses

On November 16 2017, Crowned Ridge hosted an open house at the Watertown Event Center in Watertown, South Dakota. Approximately 20 subject matter experts from Crowned Ridge were available to the local residents. The meeting featured poster displays on wind energy and the Facility. One-on-one and small group informational discussions took place throughout the duration of the open house, which provided opportunities for attendees to gain information about the Facility, have their questions addressed, and provide input to Crowned Ridge representatives.

Crowned Ridge notified landowners and stakeholders in the Facility area individually by mailing post cards announcing the open house and placed a notification of the open house in the Watertown Public Opinion.

Project Email Address

Crown Ridge will establish a project-specific email address (e.g. CrownedRidgeWind@nexteraenergy.com) to solicit and encourage feedback from stakeholders and citizens during the development process. This email address will serve as an easy means for members of the public to engage with our development team, to ask questions and share concerns. We will promote this email address at a future community events and in Facility mailings to the community.

Project fact sheet, brochures and mailings

Crowned Ridge has created a fact sheet detailing the location and specifications of the proposed Crowned Ridge Wind Energy Centers, including its positive economic impact on the local community. A brochure has been created that includes an explanation of how wind energy technology works to generate renewable energy. This information, as well as facility updates, were provided at the open house and other scheduled meetings with local stakeholders.

Conduct editorial board meeting(s) with local media

Crowned Ridge recognizes citizens look to a variety of sources, including local media, for information. As such, members of the Crowned Ridge development and communications team have made, and continue to make ourselves available for media interviews and, if available, an editorial board session with the local newspapers. This session would serve as a forum for reporters and editors to ask questions and for us to share information about the Crowned Ridge to help keep citizens informed throughout the development process.

Meet with stakeholders and organizations in small-group settings

Crowned Ridge has met with, and will continue to meet with community organizations and stakeholders in small-group settings, as needed. The purpose of these smaller meetings is to answer individual questions that may be of interest to civic groups and organizations. Our development team makes available Facility fact sheets and shares a presentation about the proposed Crowned Ridge Wind Energy Centers.

Support local organizations through donations and sponsorships

Since 2016, Crowned Ridge has been a sponsor of the Crystal Springs Rodeo in Clear Lake, SD. In 2017, we were the exclusive sponsor of the Xtreme Bulls competition and plan to continue this sponsorship for many years. At the rodeo, members of our team were on hand to talk to guests, share information about our company, hand out bandannas to children and families who attended the event, and conduct interviews with a local radio station.

Crowned Ridge is currently developing a partnership with the Codington County schools to provide a workshop for educators that would deliver wind energy lessons they could incorporate into their curriculums. These lesson plans will complement South Dakota state education standards, and help school supplement their S.T.E.M. programs. Renewable energy jobs are among the fastest growing jobs in America, according to the U.S. Bureau of Labor Statistics. By helping to integrate renewable energy into science curriculums, we are helping prepare students for potential careers in a growing industry.

10) CULTURAL RESOURCES

Multiple tribes were contacted and are engaged in identifying tribal resources in the Facility area. Coordinated by the Tribal Historic Preservation Office from Sisseton Wahpeton Oyate, tribal representatives from Sisseton Wahpeton Oyate, Yankton Sioux, Spirit Lake Nation and Crow Creek Sioux have been involved in supporting micro-siting and surveys.

Level III field surveys using pedestrian transects surveys have been conducted in multiple mobilizations and are currently on-going for archaeological, historical, and tribal resources within areas potentially affected by construction including turbine foundations, underground collection, access roads, substations, and turning radii. The Level III field survey is being performed jointly with tribal members from the Sisseton Wahpeton Oyate, Yankton Sioux, and Spirit Lake Nation selected to represent those tribes in identifying significant tribal resources are led by archaeologists meeting the U.S. Secretary of the Interior's Professional Qualification Standards.

All tribal sites, which are represented by rock cairns, alignments, and other traditionally recognized features on the landscape, are considered important to the tribes and will be considered for avoidance during the design process.

Avoidance of Potential Impacts

Planned construction activities for the Project may occur within the vicinity of sites important to tribal cultural traditions, archaeological sites, or historic standing structures. Sites evaluated as not eligible for the National Register of Historic Places (NRHP) listing are not significant and impacts to these sites would therefore not be considered. Those sites that are evaluated as eligible or of undetermined NRHP eligibility will be protected from direct impacts by establishing avoidance buffers around these resources.

III. ADDITIONAL INFORMATION

1) CONDITIONAL USE PERMIT STANDARDS

Crowned Ridge recognizes the steps the Codington County Planning and Zoning Board and County Commission has taken over the past months to amend Section 5.22: Wind Energy Systems Requirements. Crowned Ridge hereby voluntarily accepts and will implement the modifications to the Siting Criteria requirements set forth in recommended Ordinance #68.

LOCAL REQUIREMENTS

In accordance with the Codington Code of Ordinances a Conditional Land Use Permit must meet the following general standards pursuant to Section 5.22: Wind Energy System Requirements.

5.22.01: Applicability

Crowned Ridge is submitting for consideration to construct approximately 146 turbines in Codington County. Crowned Ridge has entered into a long term agreement to distribute the electricity generated into the local region. Crowned Ridge is in compliance with 5.22 Wind Energy System Requirements for Codington County.

5.22.02: Federal and State Requirements

Crowned Ridge will meet or exceed standards and regulations of the Federal Aviation Administration and South Dakota State Statutes and any other agency of federal or state government with the authority to regulate WESs.

5.22.03: General Provisions

1. Mitigation Measures:

(a) Site Clearance

Crowned Ridge will only disturb or clear the site only to the extent necessary to assure suitable access for construction, safe operation and maintenance of the WES.

(b) Topsoil Protection

Crowned Ridge will implement measures to protect and separate topsoil from subsoil in cultivated lands unless otherwise negotiated with the affected landowner.

(c) Compaction

Crowned Ridge will implement measures to minimize compaction of all lands during all phases of the Facilities life and shall confine compaction to as small an area as practicable.

(d) Live Stock Protection

Crowned Ridge will take precautions to protect livestock during all phases of the Facilities life.

(e) Fences

Crowned Ridge will promptly replace or repair all fences and gates removed or damaged during all phases of the Facilities life unless otherwise negotiated with the affected landowner.

(f) Roads

Public Roads

- i. Prior to commencement of construction, Crowned Ridge will identify all state, county or township "haul roads" that will be used for the Facility and will notify the state, county or township governing body having jurisdiction over the roads to determine if the haul roads identified are acceptable. The governmental body will be provided adequate time to inspect the haul roads prior to use of these haul roads. Where practical, existing roadways will be used for all activities associated with the WES. Where practical, all-weather roads will be used to deliver cement, turbines, towers, assemble nacelles and all other heavy components to and from the turbine sites

Haul Roads

- ii. Crowned Ridge will, prior to the use of approved haul roads, make satisfactory arrangements with the appropriate state, county or township governmental body having jurisdiction over approved haul roads for construction of the WES for the maintenance and repair of the haul roads that will be subject to extra wear and tear due to transportation of equipment and WES components. Crowned Ridge will notify the County of such arrangements upon request of the County.

Turbine Access Roads

- iii. Construction of turbine access roads will be minimized. Access roads will be low profile roads so that farming equipment can cross them and will be covered with Class 5 gravel or similar material. When access roads are constructed across streams and drainage ways, the access roads will be designed in a manner so runoff from the upper portions of the watershed can readily flow to the lower portion of the watershed.

Private Roads

- iv. Crowned Ridge will promptly repair private roads or lanes damaged when moving equipment or when obtaining access to the site, unless otherwise negotiated with the affected landowner.

Control of Dust

- v. Crowned Ridge will utilize all reasonable measures and practices of construction to control dust.

(g) Soil Erosion and Sediment Control Plan

Crowned Ridge will develop a Soil Erosion and Sediment Control Plan prior to construction and submit the plan to the County. The Soil Erosion and Sediment Control Plan will address the erosion control measures for each Facility phase, and will 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 revegetation 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 may include containing excavated material, protecting exposed soil, stabilizing restored material and removal of silt fences or barriers when the area is stabilized. The plan will identify methods for disposal or storage of excavated material.

2. Setbacks

As stated previously, Crowned Ridge is consistent with the recommended changes to Section 5.22: Requirements for Wind Energy System as proposed in Ordinance #68.

Crowned Ridge requests the setbacks between parcels that are obtained by either Crowned Ridge Wind, LLC or Crowned Ridge Wind II, LLC project are waived as the parcels are participants in the Crowned Ridge project as a whole.

- Pursuant to Codrington County Ordinance #68 Table 5.22.03.2, Crowned Ridge will maintain at least one thousand five-hundred (1,500 ft.) feet from any existing non-participating occupied residence, businesses, churches, and buildings owned and/or maintained by a governmental entity. Distance from participating or lessor's residence will be at least five hundred and fifty (550 ft.) feet. These setbacks are further illustrated in **Appendix B**.
- The distance from centerline of public roads will be at least one hundred ten percent (110%) the height of the wind turbines, measured from the ground surface to the tip of the blade when in a fully vertical position. These setbacks are further illustrated in **Appendix B**.
- The distance from any property line will be at least one hundred ten percent (110%) of the height of the wind turbine, measured from the ground surface to the tip of the blade when in a fully vertical position unless wind easement or waiver has been obtained from adjoining property owner. These setbacks are further illustrated in **Appendix B**.

3. Electromagnetic Interference

Crowned Ridge will not operate the WES so as to cause microwave, television, radio, or navigation interference contrary to Federal Communications Commission (FCC) regulations or other law. In the event such interference is caused by the WES or its operation, Crowned Ridge will take the measures necessary to correct / mitigate any problems. Prior to construction Crowned Ridge will conduct a beam path study to further mitigate any potential interference.

4. Lighting

Towers will be marked as required by the Federal Aviation Administration (FAA). There will be no lights on the towers other than what is required by the FAA. Crowned Ridge will pursue approval for alternative lighting systems from the FAA within one (1) year of completion of construction. This restriction will not apply to infrared heating devices used to protect the monitoring equipment. In the event FAA does not approve an alternative lighting system, Crowned Ridge will comply with all lighting and markings otherwise required by FAA.

5. Turbine Spacing

The turbines will be spaced no closer together than three (3) rotor diameters (RD) (measurement of blades tip to tip) within a straight line. If required during final micro siting of the turbines to account for topographic conditions, up to ten (10%) percent of the towers within a string may be sited closer than the above spacing but Crowned Ridge will minimize the need to site the turbines closer.

6. Footprint Minimization

Crowned Ridge will design and construct the WES so as to minimize the amount of land that is impacted by the WES. Associated facilities in the vicinity of turbines such as electrical/electronic boxes, transformers and monitoring systems will, 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.

7. Collector Lines

Collector lines are the conductors of electric energy from the WES to the feeder lines. When located on private property, Crowned Ridge will place electrical lines, known as collectors, and communication cables underground between the WES and the feeder lines. The exception to this requirement is when the total distance of collectors from the substation requires an overhead installation due to line loss of current from an underground installation. Collectors and cables will also be placed within or immediately adjacent to the land necessary for turbine access roads unless otherwise negotiated with the affected landowner. This paragraph does not apply to feeder lines.

8. Feeder Lines

Feeder lines are the conductors of electric energy from the collector lines to the main electric terminal, and may be located either above or below ground. Crowned Ridge will place overhead electric lines, known as feeders, on private or public rights of way. Changes in routes in public right of way may be made as long as approval has been obtained from the governmental unit responsible for the affected right-of-way. When placing feeders on private property, Crowned Ridge will place the feeder in accordance with the easement negotiated with the affected landowner. Crowned Ridge will submit the site plan and engineering drawings for the feeder lines before commencing construction.

9. Decommissioning/Restoration/Abandonment

a. Decommissioning Plan

Within 120 days of completion of construction, Crowned Ridge will submit to the County a decommissioning plan describing the manner in which the permittees anticipate decommissioning the project in accordance with the requirements of paragraph (b) below. The plan will include a description of the manner in which Crowned Ridge will ensure that it has the financial capability to carry out these restoration requirements when they go into effect. Crowned Ridge will ensure that it carries out its obligation to provide for the resources necessary to fulfill these requirements. The County may at any time request Crowned Ridge to file a report with the County describing how Crowned Ridge is fulfilling this obligation.

b. Site Restoration

Decommissioning of the WES will begin within eight (8) months of the expiration of this permit, or earlier termination of operation of the WES, and be completed within eighteen (18) months of the expiration of this permit or earlier termination of operation of the WES. Crowned Ridge will have the obligation to dismantle and remove from the site all towers, turbine generators, transformers, overhead and underground cables, foundations, buildings and ancillary equipment to a depth of four (4) feet. To the extent possible Crowned Ridge will restore and reclaim the

site to its pre-project topography and topsoil quality. All access roads will be removed unless written approval is given by the affected landowner requesting that one or more roads, or portions thereof, be retained. Any agreement for removal to a lesser depth or for no removal will be recorded with the County and will show the locations of all such foundations. All such agreements between the permittees and the affected landowner will be submitted to the County prior to completion of restoration activities. The site will be restored in accordance with the requirements of this condition within eighteen (18) months after expiration.

c. Abandoned Turbines

Crowned Ridge will advise the County of any turbines that are abandoned prior to termination of operation of the WES. The County may require Crowned Ridge to decommission any abandoned turbine.

d. Cost Responsibility

Crowned Ridge will be responsible for decommissioning that facility and for all costs associated with decommissioning the facility and associated facilities.

e. Financial Assurance

Crowned Ridge acknowledges that five (5) years from the date of issuance of a conditional use permit, the Board may require a performance bond, surety bond, letter of credit, corporate guarantee or other form of financial assurance that is acceptable to the Board to cover the anticipated costs of decommissioning the WES facility.

f. Failure to Decommission

Should Crowned Ridge not complete decommissioning, the Board may take such action as may be necessary to complete decommissioning, including requiring forfeiture of the above referenced financial assurance. The entry into a participating landowner agreement will constitute agreement and consent of the parties to the agreement, their respective heirs, successors, and assigns, that the Board may take such action as may be necessary to decommission a WES facility.

10. Height from Ground Surface

The minimum height of blade tips, measured from ground surface when a blade is in fully vertical position, will be greater twenty-five (25) feet.

11. Towers

a. Color and Finish

The finish of the exterior surface of all turbines installed as part of this Facility will be white, non-reflective, and non-glass.

b. Design

All towers installed as part of this Facility will be singular tubular design.

12. Noise

a. Noise level will not exceed 50 dBA, average A-weighted Sound pressure including constructive interference effects at the property line of existing non-participating residences, businesses, and buildings owned and/or maintained by a governmental entity. An acoustic analysis for the Project is included with this application and can be found at **Appendix D**.

- b. Noise level measurements will be made with a sound level meter using the A-weighting scale, in accordance with standards promulgated by the American National Standards Institute. An L90 measurement will be used and have a measurement period no less than ten minutes unless otherwise specified by the Board of Adjustment.

13. Flicker Analysis

A Flicker Analysis will include the duration and location of flicker potential for all schools, churches, businesses and occupied dwellings within a one (1) mile radius of each turbine within a project. Crowned Ridge will provide a site map identifying the locations of shadow flicker that may be caused by the project and the expected durations of the flicker at these locations from sun-rise to sun-set over the course of a year. The analysis will account for topography but not for obstacles such as accessory structures and trees. Flicker at any receptor will not exceed thirty (30) hours per year within the analysis area.

- a. Exception: The Board of Adjustment may allow for a greater amount of flicker than identified above if the participating or non-participating landowners agree to said amount of flicker. If approved, such agreement is to be recorded and filed with the Codington County Zoning Officer. Said agreement will be binding upon the heirs, successors, and assigns of the title holder and will pass with the land.

14. Permit Expiration

Crowned Ridge acknowledges that the permit will be voided if either no substantial construction as described in the application has commenced within three (3) years of issuance or two (2) years from issuance of permit by PUC.

15. Required Information for Permit

- a. **Appendix D** -- Boundaries of the site proposed for WES and associated facilities on United States Geological Survey Map or other map as appropriate.
- b. **Appendix B** -- Map of easements for WES; And affidavit attesting that necessary easement agreements with landowners have been obtained.
- c. **Appendix D** -- Map including any occupied residential structures, businesses, churches and buildings owned and/or maintained by a governmental entity within one (1) mile of the project area.
- d. **Appendix E** -- Preliminary map of sites for WES, access roads and collector and feeder lines. Final map of sites for WES, access roads and utility lines is required prior to issuance of any building permits associated with the conditional use permit.
- e. **Appendix D** -- Location of other WES in general area.
- f. Page 3 -- Project schedule.
- g. Mitigation measures
Mitigation Measures are included throughout this application
- h. Haul road agreements
Final haul road agreements will be submitted within (60) days prior to the start of construction.
- i. Proof of right-of-way and private easements or licenses for access to transmission lines and/or utility interconnection will be submitted sixty (60) days prior to construction.
- j. **Appendix I** -- Evidence of consultation with state and federal wildlife agencies regarding project specific environmental concerns (e.g. native habitat, rare species, and migratory routes).

2) SECTION 4.05.01. POWERS AND JURISDICTION RELATING TO CONDITIONAL USES

(5) The Board of Adjustment shall make a finding that it is empowered under the section of this Ordinance described in the application to grant the conditional use, and that the granting of the conditional use will not adversely affect the public interest.

Pursuant to Chapter 5.22 Wind Energy System (WES) Requirements of the Codington County Zoning Ordinance, these regulations shall apply to Crowned Ridge. Crowned Ridge has submitted for consideration a WES consisting of 146 wind turbines locations reaching a height of approximately 485 ft. Consequently, the WES Requirements shall apply to Crowned Ridge. Crowned Ridge will not adversely affect the public interest. Crowned Ridge will provide positive economic benefit to the community in the form of 450 temporary construction jobs, payments directly to land owners, as well as tax payments to Codington County.

(6) Before granting any conditional use, the Board of Adjustment shall make written findings certifying compliance with the specific rules governing individual conditional uses and that satisfactory provision and arrangements have been made concerning the following, where applicable:

- (a) Entrance and exit to property and proposed structures thereon with particular reference to automotive and pedestrian safety and convenience, traffic flow and control, and access in case of fire or catastrophe.

Crowned Ridge will work closely with Codington County and the South Dakota Department of Transportation to obtain all necessary Permits relevant to the highway access, utility crossings and ROW features.

- (b) Off-street parking and loading areas where required, with particular attention to the items in (a) above and the economic, noise, glare or other effects of the conditional use on adjoining properties and properties generally in the district.

Crowned Ridge has included with this application for consideration an acoustic analysis for Codington County which can be found at **Appendix F**. The findings of the acoustic analysis will indicate that Crowned Ridge is in compliance with Section 5.22 Wind Energy System (WES) Requirements. Specifically, item (12) Noise, Noise level shall not exceed 50 dBA, average A-weighted Sound pressure including constructive interference effects at the property line of existing non-participating residences, businesses, and buildings owned and/or maintained by a governmental entity.

Additionally, included with this application is a shadow flicker analysis which can be found in **Appendix F**. The findings of the shadow flicker analysis indicate that Crowned Ridge has submitted turbine locations that do not exceed a maximum of thirty (30) hours of shadow flicker per year at any existing off-site residences, businesses, and buildings owned and/or maintained by a governmental entity, unless otherwise agreed to by the landowner.

Crowned Ridge has provided additional information regarding the economic benefits that the project will generate. This information can be found on Page 6.

Crowned Ridge will minimize any impact from parking and loading on the general community. Normal construction practices will be utilized to ensure as little disruption to adjoining parcels as possible.

(c) Utilities refuse and service areas, with reference to locations, availability, and compatibility.

Crowned Ridge will adhere to all state and local requirements for any disposal of refuse from the construction and operation of the project.

(d) Screening and buffering with reference to type, dimensions and character.

Crowned Ridge will meet and exceed the siting requirements set forth in section 5.22 Wind Energy System (WES) Requirements. The Crowned Ridge Site Plan located in **Appendix E** depicts compliance with this requirement.

(e) Signs, if any, and proposed exterior lighting with reference to glare, traffic safety, economic effect and compatibility and harmony with properties in the district.

Crowned Ridge will meet all lighting requirements listed in Section 5.22.4 of the Wind Energy System (WES) Requirements.

(f) Required yards and other open space.

Crowned Ridge will meet or exceed the required yard (setback) requirements as outlined in the applicable sections of the WES policies of the Codrington County Zoning Ordinance. Open Space requirements are not applicable to the Crowned Ridge Wind proposal.

(g) General compatibility with adjacent properties and other property in the district.

Crowned Ridge is purposed to be located on Agricultural Land (AG). Adjacent properties and other properties in the general area are primarily used for the same purpose i.e.: pasture land, and agriculture. Wind Energy Systems (WES) is a use that is considered permissible as a conditional use in the Agricultural Zoning District. Crowned Ridge will comply with both State and County requirements for a Wind Energy System (WES). Crowned Ridge has taken several steps to minimize any potential impact on surrounding properties.

3) DESCRIPTION OF PROPOSED FACILITIES

An individual lease agreement, permitting the siting of a facility/turbine, has been signed by the respective landowner for each proposed wind turbine and related facilities location. In addition, Crowned Ridge Wind has written agreements with each consenting landowner, which ensures minimal impact to their land and that public health and safety guidelines will be followed. The proposed Facility will not emit any fumes. Below, please find a listing of all proposed Crowned Ridge Wind facilities. See site plan in **Appendix E** for locations of all proposed facilities.

- **Generation Equipment Description**

Crowned Ridge proposes to use GE 2.3 MW 116 meter (380ft) diameter rotor, 90 meter (295ft) tubular steel monopole, GE 2.1 MW 116 meter (380) diameter rotor, 80 meter (262ft) tubular steel monopole, and GW 1.7 MW 103 meter (337ft) diameter rotor, 80 meter (262ft) steel monopole throughout the Facility. These turbines employ active yaw control to steer the machine with respect to the wind. They have active blade pitching to maximize power output. The towers and turbines will be painted with a non-reflective/off-white color designed to minimize visual impacts. No advertising or graphics will be placed on any part of the tower or blades, however, the turbines will be clearly numbered above the entrance doors for identification and emergency response. The towers will not be illuminated except as required by the FAA.

- **Electrical Collection System**

The power generated by the Facility will be collected and conveyed to the two Crowned Ridge substation by an electrical power collection system as shown on the site plans. The location of the substations is shown on the site plan which is located in **Appendix E**. Crowned Ridge energy collection system will include pad-mounted transformers, buried cables, and junction boxes.

- **Substation**

The Facility is proposing two (2) substations within Codington County. The substations increase the voltage from the 34.5 kV, as collected from the pad-mounted transformers at each wind turbine, to the 120 kV required for interconnection. The substations will contain a transformer, metering equipment, circuit breakers, poles and disconnects, and other devices to regulate the flow of electrical power.

- **Overhead Transmission Line Connection**

An overhead transmission line will be constructed to transfer wind energy system power from the substation into the switchyard. The proposed transmission line will be constructed and run within easements negotiated with private landowners.

- **Laydown Yard**

Multiple gravel base laydown areas including small temporary concrete batch plants, located on approximately 25-28 acres of land, will be required during the construction phase of Crowned Ridge. The Laydown yards will be used to temporarily store turbine parts, equipment, office trailers, and employee parking. Upon completion of all reclamation activities, these laydown yards will be reclaimed to the pre-construction state. Prior to construction the location of the laydown yards will be provided to the County.

- **Operations & Maintenance Facility**

Operations, storage, and repairs for the wind energy center Facility will take place at the proposed O&M facility. This facility contains offices, parking for maintenance trucks, and houses the control system for the wind turbines, spare parts, consumables, and tools.

- **Anemometer Tower (“Met Tower”)**

The proposed Facility will require approximately four (4) Met Towers. The towers will be approximately 192 ft. in height and properly lighted according to recommendations from the FAA. The tower will be mounted with equipment used to monitor wind speed, wind direction, temperature, barometric pressure, data logging and data transfer equipment. The tower will not generate electricity.

4) ACCESS ROADS

- **Existing Access Roads**

There is an existing highway system for sufficient transportation to the Facility location and to the necessary county roads providing access to each proposed wind turbine generator. It may be necessary to improve some existing roads (grade or widen) during construction to accommodate construction equipment and equipment transport trucks. A Transportation Plan outlining the proposed improvements will be presented for approval by Codrington County before construction commences. In accordance to the Transportation Plan, Crowned Ridge will restore existing public roads after construction where improvements are necessary. It may also be necessary to repair, repave, or reconstruct existing county roads damaged by Facility construction. Crowned Ridge would promptly repair any Facility-related damage to existing county roads after construction to standards specified by road managers, and as agreed before construction begins.

- **New Turbine Access Roads**

Newly constructed turbine access roads will be rough graded, and will consist of approximately 4-6 inches of gravel over compacted material. The gravel will be obtained off site from local crushed rock gravel pits. The access roads will generally be constructed at-grade. Built material will be used only where needed to supplement the existing base or to blend the road into the surroundings. Culverts may be installed if ditches cannot be crossed at grade and as a preventive measure to avoid any damages to the existing or new access roads and the existing highway/county road system. When construction is complete, the access roads will be left in place to provide access for future operations and maintenance activities. After construction, these roads will be graded where low spots and ruts have occurred and culverts will be left in place. The roads will also be available for the use of the landowner.

IV. CONCLUSION

This Application and its attachments demonstrate Crowned Ridge's compliance with the Codington County Zoning Ordinance and with the general and specific standards and requirements for conditional land uses as described in the Section 5.22 WES Requirements. Crowned Ridge respectfully requests a separate Conditional Use Permit approval for a Wind Energy System for the Crowned Ridge Wind, LLC and Crowned Ridge Wind II, LLC Facilities.

As explained thus far, upon approval of the Conditional Land Use Permits, Crowned Ridge Wind, LLC, and Crowned Ridge Wind II, LLC are anticipated to begin construction of the proposed transmission line in 2018, followed by the installation of the remaining infrastructure in the spring of 2019. The Facility will be supported by approximately 450 construction workers, will supply clean renewable energy to approximately 300,000 homes, and will operate safely and in compliance with all applicable local, state, and federal regulations. Crowned Ridge looks forward to the opportunity to continue investing in Codington County for the foreseeable future.

Appendix: A
Participating Parcel List

Codington Participating Parcels						
Parcel ID	Acres	Landowner Name	PLLS Section	PLSS Township	PLSS Range	Parcel County
12912	314.5	A M FARMS INC	008	119N	051W	Codington
3567	160.6	A M FARMS INC	024	118N	052W	Codington
2094	39.4	APPELHOF CHAD & APPELHOF VALYNN	013	116N	051W	Codington
4361	38.6	BARSNESS DANIEL H	009	118N	051W	Codington
4421	161.4	BERG ROSEMARY HAAN	024	118N	051W	Codington
2907	160.9	BESKOW JAMES	028	119N	051W	Codington
4290	8.7	BIRK JARED & BIRK ROBYNE	003	117N	051W	Codington
1238	34.4	BURT DAVIS BONES JR FAMILY TRUST	024	119N	052W	Codington
2235	163.6	CHARLES H RAML VINCENT R RAML ETAL	014	117N	051W	Codington
2076	241.3	CO JERALD R & HELEN P HAAN CO TRUSTEES	009	116N	051W	Codington
19726	0.5	CODINGTON COUNTY	021	116N	051W	Codington
4403	5.0	CODINGTON COUNTY	021	118N	051W	Codington
16845	1.3	COLE TIMOTHY & COLE STEPHANIE	034	117N	051W	Codington
4465	155.7	COMES BRIAN & COMES LISA	032	118N	051W	Codington
4471	158.5	COMES BRIAN D & COMES LISA L	033	118N	051W	Codington
4464	1.8	COMES HELEN M	032	118N	051W	Codington
3504	160.4	COMES JAMES & COMES JOYCE	013	118N	052W	Codington
4450	120.4	COMES JAMES & COMES JOYCE	029	118N	051W	Codington
4451	39.5	COMES JAMES & COMES JOYCE	029	118N	051W	Codington
4454	40.9	COMES JAMES N & COMES JOYCE	029	118N	051W	Codington
4388	321.6	COMES KENNETH N & COMES JOANN A	017	118N	051W	Codington
4417	156.6	COMES ROBERT	023	118N	051W	Codington
17303	2.1	COMES SHAWN & DAILEY MISTY	004	117N	051W	Codington
4401	79.5	COMES WILLIAM A & COMES CAROL	020	118N	051W	Codington
4392	151.8	COMES WILLIAM A & COMES CAROL & COMES SHAWN	018	118N	051W	Codington
4295	155.5	COMES WILLIAM A & COMES CAROL M	004	117N	051W	Codington
4296	79.3	COMES WILLIAM A & COMES CAROL M	004	117N	051W	Codington
4474	239.8	DAGEL THOMAS J & DAGEL CAROL	034	118N	051W	Codington
4478	159.4	DAGEL THOMAS J & DAGEL CAROL K	035	118N	051W	Codington
4354	160.5	DAGEL TIM	008	118N	051W	Codington
4473	242.5	DAGEL TOM & DAGEL CAROL	034	118N	051W	Codington
20457	279.5	DAGEL TOM & DAGEL CAROL	033	118N	051W	Codington
4330	141.2	DAVID LOREN	002	118N	051W	Codington
4334	140.4	DAVID LOREN	003	118N	051W	Codington
4356	154.7	DEWEY L ZEMLICKA RAYNELLE J MUELLER ETAL	009	118N	051W	Codington
4363	319.6	DEWEY L ZEMLICKA RAYNELLE J MUELLER ETAL	011	118N	051W	Codington
18640	590.7	DEWEY L ZEMLICKA RAYNELLE J MUELLER ETAL	010	118N	051W	Codington
15572	82.4	DOUGLAS D OR DIANE M STORMO ETAL	019	118N	051W	Codington
2920	81.4	ELLINGSON DAVID W & ELLINGSON DEBRA K	032	119N	051W	Codington
4387	160.5	ETAL DANIEL J & BECKY F THYEN ETAL	017	118N	051W	Codington
4384	321.5	ETAL JAMES R & PENNY J THYEN ETAL	016	118N	051W	Codington
1241	160.3	ETAL RANDALL D & JOEL D SCHMELING JANET PRAY ETAL	025	119N	052W	Codington
4423	40.0	EVJEN JOYCE A	025	118N	051W	Codington
2277	15.0	FIEDLER CHRISTOPHER J & FIEDLER JODY L	022	117N	051W	Codington
2095	164.2	FISCHER DONALD J & FISCHER JOANNE	013	116N	051W	Codington
2092	80.9	FISCHER MICHAEL C & FISCHER LOIS M	012	116N	051W	Codington
17015	242.8	FISCHER MICHAEL C & FISCHER LOIS M	012	116N	051W	Codington
2090	161.5	FISCHER MICHAEL C & FISCHER LOIS M	012	116N	051W	Codington
2096	203.9	FISCHER MICHAEL C & FISCHER LOIS M	013	116N	051W	Codington
2270	14.0	FISCHER MICHAEL C & FISCHER LOIS M	021	117N	051W	Codington
15573	147.2	FLEMMING DENNIS & FLEMMING MARY & SUMNER MARK R	019	118N	051W	Codington
4432	314.2	FRANSEN MARK L	027	118N	051W	Codington
4418	158.7	FRANSEN MARK L	023	118N	051W	Codington
4284	408.5	GIBSON FAMILY LIMITED PARTNERSHIP	001	117N	051W	Codington
4481	235.1	GIBSON FAMILY LIMITED PARTNERSHIP	036	118N	051W	Codington
4483	39.1	GIBSON FAMILY LIMITED PARTNERSHIP	036	118N	051W	Codington
2236	162.6	GIBSON GREG J & GIBSON JOAN M	014	117N	051W	Codington
2230	148.3	GIBSON GREGORY J & GIBSON JOAN	012	117N	051W	Codington
2233	305.6	GIBSON GREGORY J & GIBSON JOAN	013	117N	051W	Codington
2268	156.0	GIBSON GREGORY J & GIBSON JOAN M	021	117N	051W	Codington
2272	130.4	GIBSON GREGORY J & GIBSON JOAN M	021	117N	051W	Codington

4405	156.1	GOOCH LESLIE WAYNE	021	118N	051W	Codington
4367	306.4	GRABOW TYLER L & GRABOW HILARY N	012	118N	051W	Codington
4353	160.9	GRIEPP ALLEN O & GRIEPP MARJORIE A	008	118N	051W	Codington
17318	40.3	GRONSETH BARBARA J	024	117N	051W	Codington
4411	195.2	GTV LAND & CATTLE COMPANY	022	118N	051W	Codington
4413	105.6	GTV LAND & CATTLE COMPANY	022	118N	051W	Codington
4480	239.7	HAAN JAMES N	036	118N	051W	Codington
13099	80.4	HANTEN JANE	007	118N	051W	Codington
16119	78.7	HANTEN JANE A	021	118N	051W	Codington
2908	160.9	HANTEN PATRICIA J	028	119N	051W	Codington
2155	160.2	HANTEN'S DAIRY INC	024	116N	051W	Codington
2152	163.1	HANTEN'S DAIRY INC	024	116N	051W	Codington
17319	40.3	HAUGER MICHAEL	024	117N	051W	Codington
2809	161.2	HENRICHS MICHAEL D & HENRICHS LINDA M	004	119N	051W	Codington
2822	161.4	HENRICHS MICHAEL D & HENRICHS LINDA M	009	119N	051W	Codington
2040	5.3	HOMOLA BRIAN W & HOMOLA LORI R	003	116N	051W	Codington
16293	39.8	HOWEY ALBERT J	003	118N	051W	Codington
2147	154.8	HUPF ELMER	022	116N	051W	Codington
2164	154.4	HUPF ELMER H & HUPF MARY M	027	116N	051W	Codington
17317	4.0	JALBERT JAMISON B & JALBERT JANE M	027	119N	051W	Codington
2903	76.6	JALBERT JAMISON B & JALBERT JANE M	027	119N	051W	Codington
2904	80.5	JALBERT JAMISON B & JALBERT JANE M	027	119N	051W	Codington
4437	154.9	JAMES DANIEL & JAMES BECKY THYEN & THYEN PENNY	028	118N	051W	Codington
4297	157.3	JAMES DANIEL & JAMES BECKY THYEN & THYEN PENNY	004	117N	051W	Codington
4360	79.4	JAMES DANIEL & JAMES BECKY THYEN & THYEN PENNY	009	118N	051W	Codington
4443	105.5	JAMES JOYCE BILLY & COMES CAROL	029	118N	051W	Codington
4420	161.4	JAMES N COMES ETAL	024	118N	051W	Codington
4424	40.0	JOHN F MARLIS E KENNETH C DAGEL ETAL	025	118N	051W	Codington
4426	151.0	JOHN F MARLIS E KENNETH C DAGEL ETAL	025	118N	051W	Codington
2872	156.2	KAHNKE DANIEL J & KAHNKE SHERI L	018	119N	051W	Codington
2875	147.5	KANNAS LEO & KANNAS JEANETTE	018	119N	051W	Codington
2874	138.9	KANNAS LEO E & KANNAS JEANETTE	018	119N	051W	Codington
2873	145.1	KANNAS LEO E & KANNAS JEANETTE	018	119N	051W	Codington
17302	83.1	KATHLEEN NELSON L/E BEVERLY F STORMO	018	118N	051W	Codington
17038	23.8	KOHL MICHAEL J	003	116N	051W	Codington
17039	30.6	KOHL MICHAEL J	003	116N	051W	Codington
17387	60.8	KOHL MICHAEL J	003	116N	051W	Codington
4380	431.1	KOUSTRUP JOEL	015	118N	051W	Codington
4381	161.4	KOUSTRUP JOEL	015	118N	051W	Codington
4385	80.5	KOUSTRUP JOEL	016	118N	051W	Codington
14406	80.4	KOUSTRUP JOEL J & LA DONNA A KOUSTRUP	016	118N	051W	Codington
2823	160.8	KOWALSKI FAMILY LTD LIABILITY PARTNERSHIP	009	119N	051W	Codington
2824	161.8	KOWALSKI FAMILY LTD LIABILITY PARTNERSHIP	009	119N	051W	Codington
4368	312.4	KRAUSE JERRY & KRAUSE GARY	012	118N	051W	Codington
2819	158.7	KRIESEL MARK	008	119N	051W	Codington
2821	159.5	KRIESEL MARK	008	119N	051W	Codington
2232	167.0	LANTSBERGER KYRO R TRUST	013	117N	051W	Codington
2812	159.3	LARSON EDWARD L & LARSON ANN M	005	119N	051W	Codington
4283	165.6	LARSON GILBERT JR	001	117N	051W	Codington
2228	80.3	LENARDS JEFFREY M	012	117N	051W	Codington
2154	158.8	LEROY LENUS & HANTEN LEON	024	116N	051W	Codington
2151	157.2	LEROY LENUS & HANTEN LEON	023	116N	051W	Codington
2173	154.7	LEROY LENUS & HANTEN LEON	028	116N	051W	Codington
2099	103.0	LEROY T HANTEN LENUS J HANTEN & HANTEN LEON P	013	116N	051W	Codington
2153	163.1	LEROY T HANTEN LENUS J HANTEN & HANTEN LEON P	024	116N	051W	Codington
4331	158.3	LINDGREN TIMOTHY J	002	118N	051W	Codington
4333	80.0	LINDGREN TIMOTHY J	002	118N	051W	Codington
20448	137.2	LINDNER EILEEN T TRUST	028	117N	051W	Codington
2266	159.4	LINDNER WILLIAM E & LINDNER CHERYL H	020	117N	051W	Codington
2267	159.2	LINDNER WILLIAM E & LINDNER CHERYL H	020	117N	051W	Codington
2316	79.6	LINDNER WILLIAM E & LINDNER CHERYL H	029	117N	051W	Codington
4430	156.3	LINDNER WILLIAM E & LINDNER CHERYL H	026	118N	051W	Codington
4375	161.8	LIV TERRY L & CHARLOTTE S LINDBERG REV LIV TRUST	014	118N	051W	Codington

18196	44.5	LIVING DENNIS D & DAWN M THYEN REV LIVING TRUST	022	118N	051W	Codington
20509	6.0	LIVING DENNIS D & DAWN M THYEN REV LIVING TRUST	022	118N	051W	Codington
4415	159.7	LIVING HALVERSON FAMILY TRUST	023	118N	051W	Codington
4383	160.6	LIVING KEVIN & LIVING MARJO VANVELDHUIZEN TRUST	016	118N	051W	Codington
4476	156.6	LIVING MARK & LIVING JILL COMES TRUST	035	118N	051W	Codington
4428	157.2	LIVING MARK & LIVING JILL COMES TRUST	026	118N	051W	Codington
4431	155.6	LIVING MARK & LIVING JILL COMES TRUST	026	118N	051W	Codington
4479	158.9	LIVING MARK & LIVING JILL COMES TRUST	035	118N	051W	Codington
4482	119.9	LIVING MARK & LIVING JILL COMES TRUST	036	118N	051W	Codington
2143	73.2	LIVING MICHAEL & LIVING DONNA ZAUG TRUST	022	116N	051W	Codington
2102	79.6	LIVING MICHAEL & LIVING DONNA ZAUG TRUST	014	116N	051W	Codington
2107	39.5	LIVING MICHAEL & LIVING DONNA ZAUG TRUST	015	116N	051W	Codington
2111	158.3	LIVING MICHAEL & LIVING DONNA ZAUG TRUST	015	116N	051W	Codington
2149	80.3	LIVING MICHAEL & LIVING DONNA ZAUG TRUST	023	116N	051W	Codington
2150	158.4	LIVING MICHAEL & LIVING DONNA ZAUG TRUST	023	116N	051W	Codington
2145	159.7	LIVING MICHAEL & LIVING DONNA ZAUG TRUST	022	116N	051W	Codington
2363	78.1	LIVING ROBERT & LIVING LINDA LENARDS TRUST	036	117N	051W	Codington
1289	81.2	LIVING RONALD & LIVING DIANNE THYEN TRUST	036	119N	052W	Codington
2917	88.6	LIVING RONALD & LIVING DIANNE THYEN TRUST	031	119N	051W	Codington
1250	160.5	LOGEMANN DARRELL J	026	119N	052W	Codington
1288	81.2	LOGEMANN DARRELL J	036	119N	052W	Codington
1291	157.1	LOGEMANN DARRELL J	036	119N	052W	Codington
2916	519.4	LUECK MARK S & LUECK NANCY F	031	119N	051W	Codington
2870	158.4	MAAG HARLAN & MAAG WANDA M	017	119N	051W	Codington
2344	77.3	MACK BRUCE W	033	117N	051W	Codington
2283	79.6	MACK CALVIN J & MACK BRIDGET I	023	117N	051W	Codington
19337	62.8	MACK ELIZABETH A	023	117N	051W	Codington
4357	117.1	MACK EMIL M & MACK RENEE	009	118N	051W	Codington
2271	158.3	MACK LEROY A	021	117N	051W	Codington
2269	139.9	MACK LEROY A	021	117N	051W	Codington
2051	37.0	MACK MARC R & MACK LEON P	005	116N	051W	Codington
15873	141.0	MACK MARC R & MACK LEON P	005	116N	051W	Codington
16883	147.6	MACK MARC R & MACK LEON P	009	116N	051W	Codington
17983	80.1	MACK MARC R & MACK LEON P	011	116N	051W	Codington
19138	40.8	MACK MARC R & MACK LEON P	011	116N	051W	Codington
19139	64.0	MACK MARC R & MACK LEON P	011	116N	051W	Codington
2057	162.0	MACK MARC R & MACK LEON P	005	116N	051W	Codington
2168	156.9	MACK MARC R & MACK LEON P	028	116N	051W	Codington
2169	157.2	MACK MARC R & MACK LEON P	028	116N	051W	Codington
18122	10.0	MACK MARC R & MACK MICHELE A	021	116N	051W	Codington
19465	25.0	MACK MARC R & MACK MICHELLE A	003	116N	051W	Codington
17320	40.2	MACK ROWAN & J L/E THOMAS & RAML MELDA B	024	117N	051W	Codington
2924	159.2	MAGAARD BRENT	034	119N	051W	Codington
2359	144.0	MATTHEW B KRANZ JR REVOCABLE TRUST	035	117N	051W	Codington
2368	77.9	MATTHEW B KRANZ JR REVOCABLE TRUST	036	117N	051W	Codington
2038	2.1	MEADORS RYAN A & MEADORS AMY M	003	116N	051W	Codington
20501	4.8	MICHAEL BRIAN & ZAUG KARA ELIZABETH	022	116N	051W	Codington
2922	240.2	NOELDNER CHARLES A & NOELDNER JOYCE T	034	119N	051W	Codington
2923	240.0	NOELDNER CHARLES A & NOELDNER JOYCE T	034	119N	051W	Codington
2098	60.0	PARTNERSHIP HANTEN BROTHERS	013	116N	051W	Codington
2221	78.3	PARTNERSHIP HANTEN BROTHERS	036	116N	051W	Codington
15808	5.3	PAUL DAVID & GROON TABATHA LYNETT	005	116N	051W	Codington
4328	602.1	PHELPS ELWOOD C	001	118N	051W	Codington
2229	239.9	PLUNKETT DALE H & PLUNKETT PHILLIP L	012	117N	051W	Codington
1244	69.5	PRAY JANET L	025	119N	052W	Codington
2241	80.6	RAML CHARLES H & J L/E THOMAS & RAML MELDA B	015	117N	051W	Codington
2293	40.1	RAML EDWARD J	024	117N	051W	Codington
2298	159.3	RAML EDWARD J & RAML ANITA M	025	117N	051W	Codington
2288	80.7	RAML KENNETH P	024	117N	051W	Codington
17321	40.5	RAML KENNETH P	024	117N	051W	Codington
2284	0.5	RAML KENNETH PAUL	024	117N	051W	Codington
2286	110.1	RAML KENNETH PAUL	024	117N	051W	Codington
2292	20.1	RAML MICHAEL	024	117N	051W	Codington

2294	20.0	RAML MICHAEL	024	117N	051W	Codington
2291	20.1	RAML ROBERT F	024	117N	051W	Codington
2295	20.0	RAML ROBERT F	024	117N	051W	Codington
2234	163.6	RAML VINCENT R & J L/E THOMAS & RAML MELDA B	013	117N	051W	Codington
2231	164.6	RAML VINCENT R & RAML KAREN L	012	117N	051W	Codington
14203	161.6	RAUEN HENRY J & RAUEN RITA K TRUST	004	119N	051W	Codington
2810	161.1	RAUEN HENRY J & RAUEN RITA K TRUST	005	119N	051W	Codington
18311	10.3	RC TECHNOLOGIES CORPORATION	024	117N	051W	Codington
4355	159.2	REVOCABLE FLOYD M & STELLA M HILDEN REVOCABLE TRUST	008	118N	051W	Codington
4358	157.9	REVOCABLE FLOYD M & STELLA M HILDEN REVOCABLE TRUST	009	118N	051W	Codington
4359	79.3	REVOCABLE FLOYD M & STELLA M HILDEN REVOCABLE TRUST	009	118N	051W	Codington
2348	80.0	REVOCABLE LARRY M & DIANA M COLE REVOCABLE TRUST	034	117N	051W	Codington
2349	139.5	REVOCABLE LARRY M & DIANA M COLE REVOCABLE TRUST	034	117N	051W	Codington
2350	159.5	REVOCABLE LARRY M & DIANA M COLE REVOCABLE TRUST	034	117N	051W	Codington
2351	93.0	REVOCABLE LARRY M & DIANA M COLE REVOCABLE TRUST	034	117N	051W	Codington
2139	162.8	REVOCABLE LEON N & PAULA R MACK REVOCABLE TRUST	020	116N	051W	Codington
2276	302.4	REVOCABLE LEON N & PAULA R MACK REVOCABLE TRUST	022	117N	051W	Codington
14212	151.0	REVOCABLE LEON N & PAULA R MACK REVOCABLE TRUST	029	117N	051W	Codington
2142	146.8	REVOCABLE LEON N & PAULA R MACK REVOCABLE TRUST	021	116N	051W	Codington
2165	156.3	REVOCABLE LEON N & PAULA R MACK REVOCABLE TRUST	027	116N	051W	Codington
2319	118.4	REVOCABLE LEON N & PAULA R MACK REVOCABLE TRUST	029	117N	051W	Codington
2338	144.4	REVOCABLE LEON N & PAULA R MACK REVOCABLE TRUST	032	117N	051W	Codington
4286	318.1	REVOCABLE LEON N & PAULA R MACK REVOCABLE TRUST	002	117N	051W	Codington
4287	316.6	REVOCABLE LEON N & PAULA R MACK REVOCABLE TRUST	002	117N	051W	Codington
4288	80.8	REVOCABLE LEON N & PAULA R MACK REVOCABLE TRUST	003	117N	051W	Codington
4291	154.0	REVOCABLE LEON N & PAULA R MACK REVOCABLE TRUST	003	117N	051W	Codington
4292	159.5	REVOCABLE LEON N & PAULA R MACK REVOCABLE TRUST	003	117N	051W	Codington
4293	80.5	REVOCABLE LEON N & PAULA R MACK REVOCABLE TRUST	003	117N	051W	Codington
4294	81.2	REVOCABLE LEON N & PAULA R MACK REVOCABLE TRUST	003	117N	051W	Codington
4298	235.4	REVOCABLE LEON N & PAULA R MACK REVOCABLE TRUST	004	117N	051W	Codington
2314	8.3	RGI GROUP INC % VERIZON WIRELESS	029	117N	051W	Codington
17016	2.7	RICHTER GREGORY C & RICHTER ANITA J	032	118N	051W	Codington
2137	162.4	RIES VINCENT J	020	116N	051W	Codington
2110	237.8	RIES VINCENT J	015	116N	051W	Codington
2120	158.5	RIES VINCENT J	017	116N	051W	Codington
2121	159.6	RIES VINCENT J	017	116N	051W	Codington
20326	1.0	RIES VINCENT J	017	116N	051W	Codington
2274	81.1	RILEY JEFFREY A	022	117N	051W	Codington
4470	39.4	ROBERT SCOTT & DAGEL KARLA JO	033	118N	051W	Codington
19895	75.0	SALVERSON JUDY K	024	119N	052W	Codington
1237	151.3	SALVERSON PAUL M & SALVERSON JUDY K	023	119N	052W	Codington
15339	64.5	SALVERSON PAUL M & SALVERSON JUDY K	026	119N	052W	Codington
20327	1.0	SCHLEUSNER DAIRY INC	017	116N	051W	Codington
2927	230.5	SCHLEUSNER DAIRY INC	035	119N	051W	Codington
2808	160.7	SCHMELING DENNIS G	004	119N	051W	Codington
2911	158.7	SCHMELING DENNIS GLEN	029	119N	051W	Codington
1240	85.3	SCHMELING JOEL D	024	119N	052W	Codington
1245	161.1	SCHMELING RANDALL	025	119N	052W	Codington
1243	91.7	SCHMELING RANDALL D	025	119N	052W	Codington
1287	40.7	SCHMELING RANDALL D	036	119N	052W	Codington
1242	160.4	SCHMELING RANDALL D & SCHMELING RITA R	025	119N	052W	Codington
1247	91.8	SCHMELING RANDALL D & SCHMELING RITA R	026	119N	052W	Codington
2914	73.7	SELCHERT DEAN C	030	119N	051W	Codington
18189	72.4	SELCHERT DEAN C	030	119N	051W	Codington
2915	142.5	SELCHERT DEAN C	030	119N	051W	Codington
2912	160.9	SELCHERT DONALD L	029	119N	051W	Codington
2332	0.3	SIOUX RURAL WATER SYSTEM INC	032	117N	051W	Codington
16731	4.1	SOVELL MICHAEL J & SOVELL EMILY H	021	117N	051W	Codington
2093	162.2	SPARTZ JEANETTE K	012	116N	051W	Codington
2103	318.8	SPARTZ LEON J	014	116N	051W	Codington
2079	75.7	SPARTZ LEON J & SPARTZ ANGELINE J	010	116N	051W	Codington
2105	79.2	SPARTZ LEON J & SPARTZ ANGELINE J	015	116N	051W	Codington
2108	39.7	SPARTZ LEON J & SPARTZ ANGELINE J	015	116N	051W	Codington

2109	39.6	SPARTZ LEON J & SPARTZ ANGELINE J	015	116N	051W	Codington
2049	6.6	STATE OF SOUTH DAKOTA	005	116N	051W	Codington
2347	4.0	STATE OF SOUTH DAKOTA	034	117N	051W	Codington
2280	160.0	STEEN ROSE MARY	023	117N	051W	Codington
4393	78.2	STORMO DAVID & KATHERINE MAHNKE L/E BEVERLY F STORMO	018	118N	051W	Codington
2933	80.1	STORMO DAVID & KIMBERLY STORMO L/E BEVERLY F STORMO	036	119N	051W	Codington
4386	160.3	STORMO DAVID R & STORMO KIMBERLY	017	118N	051W	Codington
17304	79.8	STORMO DOUGLAS & DIANNA STORMO L/E BEVERLY F STORMO	036	119N	051W	Codington
15769	78.3	STORMO GORDON & STORMO BETH	019	118N	051W	Codington
2932	160.2	STORMO GORDON B & STORMO BETH L	036	119N	051W	Codington
4395	136.7	STORMO KEN & KIM TURBAK L/E BEVERLY F STORMO	019	118N	051W	Codington
4394	161.1	STORMO SHIRLEY J & MCGLINSEY LOIS A	019	118N	051W	Codington
4477	158.8	STRICHERZ CARY L	035	118N	051W	Codington
4416	157.3	STRICHERZ CHRISTOPHER L & STRICHERZ TAMARA	023	118N	051W	Codington
4377	21.4	STRICHERZ CHRISTOPHER L & STRICHERZ TAMARA	014	118N	051W	Codington
4409	38.2	STRICHERZ CHRISTOPHER L & STRICHERZ TAMARA	022	118N	051W	Codington
4429	155.9	STRICHERZ CLYDE L	026	118N	051W	Codington
4414	155.0	STRICHERZ LAVERNE B & STRICHERZ BARBARA J	022	118N	051W	Codington
4410	77.2	STRICHERZ LAVERNE B & STRICHERZ BARBARA J	022	118N	051W	Codington
4433	198.4	STRICHERZ LAVERNE B & STRICHERZ BARBARA J	027	118N	051W	Codington
2312	159.3	STURM RICHARD T & STURM MARITA M	028	117N	051W	Codington
2265	159.3	STURM RICHARD T & STURM MARITA M	020	117N	051W	Codington
2313	159.5	STURM RICHARD T & STURM MARITA M	028	117N	051W	Codington
2342	118.2	STURM RICHARD T & STURM MARITA M	033	117N	051W	Codington
2816	314.8	THOMAS & MILLER DANIEL & MILLER MARK	007	119N	051W	Codington
4399	159.0	THYEN DANIEL & THYEN BECKY & THYEN JAMES & THYEN PENNY	020	118N	051W	Codington
4452	80.8	THYEN DANIEL & THYEN BECKY & THYEN JAMES & THYEN PENNY	029	118N	051W	Codington
4458	133.4	THYEN DANIEL & THYEN BECKY & THYEN JAMES & THYEN PENNY	030	118N	051W	Codington
4472	80.3	THYEN DANIEL & THYEN BECKY & THYEN JAMES & THYEN PENNY	033	118N	051W	Codington
2297	158.7	THYEN DELANE & UNGER FAMILY LIMITED LIABILITY	025	117N	051W	Codington
2301	39.4	THYEN DELANE & UNGER FAMILY LIMITED LIABILITY	025	117N	051W	Codington
18659	2.1	THYEN JAMES R & THYEN PENNY J	028	118N	051W	Codington
17943	301.1	TIMOTHY A NELSON REVOCABLE TRUST	030	119N	051W	Codington
2909	156.1	TIMOTHY A NELSON REVOCABLE TRUST	029	119N	051W	Codington
3569	317.8	TIMOTHY A NELSON REVOCABLE TRUST	024	118N	052W	Codington
17013	394.7	WAEGE LYNN K & WAEGE LANA L	035	119N	051W	Codington
2900	156.1	WAEGE LYNN K & WAEGE LANA L	026	119N	051W	Codington
4332	80.3	WAEGE LYNN K & WAEGE LANA L	002	118N	051W	Codington
19200	1.0	WAVERLY INDEPENDENT SCHOOL DISTRICT #63	011	118N	051W	Codington
4484	15.1	WELDER ROBERT J	002	118N	051W	Codington
4435	159.3	WHITNEY JERRY	028	118N	051W	Codington
19301	44.3	WIENJES WILLIAM & WIENJES DANIELLE	015	118N	051W	Codington
18646	157.5	ZEMLICKA DARON A & ZEMLICKA VALERIE K	032	119N	051W	Codington
2919	80.0	ZEMLICKA DARON A & ZEMLICKA VALERIE K	032	119N	051W	Codington
2918	317.7	ZEMLICKA DARON A & ZEMLICKA VALERIE K	032	119N	051W	Codington
4329	129.3	ZEMLICKA DARON A & ZEMLICKA VALERIE K	002	118N	051W	Codington
4341	145.7	ZEMLICKA DARON A & ZEMLICKA VALERIE K	005	118N	051W	Codington
4362	40.2	ZEMLICKA DEWEY L & ZEMLICKA BRYAN A	010	118N	051W	Codington
4343	157.4	ZEMLICKA GENE P	005	118N	051W	Codington
16121	53.5	ZEMLICKA MARK A	020	118N	051W	Codington
4342	158.6	ZEMLICKA MARK A	005	118N	051W	Codington
4397	53.7	ZEMLICKA MARK A	020	118N	051W	Codington
15190	160.6	ZIMMERMAN MARK A & ZIMMERMAN LADONNA E	025	119N	051W	Codington
2901	158.9	ZIMMERMAN MARK A & ZIMMERMAN LADONNA E	026	119N	051W	Codington

Appendix: B
Participating Parcel Map

Appendix: C
Property Owner Consent Documents

STATE OF FLORIDA)
 :SS
COUNTY OF PALM BEACH)

AFFIDAVIT OF
JOHN DI DONATO

Comes now, the undersigned, John Di Donato, having first been duly sworn on oath, and states and alleges as follows:

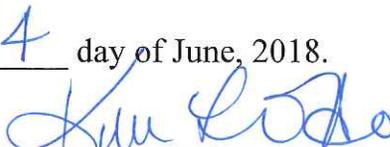
1. Your affiant is the Vice President of NextEra Energy Resources (NEER), LLC. and has knowledge of the matters asserted herein.
2. Crowned Ridge Wind, LLC and Crowned Ridge Wind II, LLC are indirect wholly owned subsidiaries of NEER and are the applicants for a permit for a Wind Energy System (WES) from Codington County, South Dakota.
3. The necessary easements from landowners have been obtained for development and construction of the WES, and attached hereto is the Map of Easements for the WES.

Dated this 4 day of June, 2018.



John Di Donato

Subscribed and sworn to before me this 4 day of June, 2018.



Notary Public, Florida

(SEAL)



Appendix: D

Project Area Maps

Appendix: E

Site Plan

Appendix: F
Shadow Flicker & Sound Pressure Report

Appendix: G

Decommissioning Report

DECOMMISSIONING SUMMARY | Codington County

Crowned Ridge Wind, LLC and Crowned Ridge Wind II, LLC (collectively, Crowned Ridge Wind) currently estimates that the Project will have a useful life of at least 30 years based on our experience operating projects, on models, and technology. One (1) year in advance of the anticipated Project decommissioning, Crowned Ridge Wind will provide notice to Codington County that decommissioning will occur. After that time, the Project would be decommissioned, and the existing equipment would be removed. In the event a turbine is found to be inactive for a period of twelve (12) consecutive months, Codington County has the ability to initiate the decommissioning process as described below for the inactive turbine.

INTENDED DISPOSITION OF TURBINES & SITE:

The goal of Project decommissioning is to remove the installed power generation equipment and to return the site to a condition as close to a pre-construction state as feasible. The major activities required for the decommissioning may be as follows:

- Creation of temporary work areas to enable decommissioning of equipment;
- Wind turbine and meteorological tower removal;
- Electrical system removal;
- Structural foundation removal per ROW grant requirements;
- Road removal;
- Re-grading;
- Re-vegetation; and
- Restoration of temporary work areas.

The decommissioning activity most notable to the general public will be the removal of the wind turbines and meteorological towers. Removal of the facilities shall include removing the caisson and all other components to a depth of no less than four (4) feet below grade unless a lesser depth is otherwise agreed to by the landowner. The disassembly and removal of this equipment will essentially be the same as its installation, but in reverse order. The large components that make up a wind turbine will be disassembled in the reverse order they were assembled. The rotor (hub and blades) are removed from the nacelle and, with the help of a smaller crane, turned horizontally and set on the ground. Next, the nacelle will be removed from the top of the tower, followed by each portion of the tower. The meteorological tower will similarly be disassembled by a crane, starting with the upper tower section and moving downward. Once the turbine rotor has been removed, a crew and small crane will disassemble it into the hub and three loose turbine blades. The most efficient manner for component removal will be for each large component (other than the rotor) to be placed directly onto a truck bed when it is removed from the turbine. These trucks could then immediately take the component off the site. This approach will limit the need for clearing an area around the turbine base to just enough area to set down the rotor. When the rotor is disassembled, the blades will be placed into a carrying frame, which can then be loaded onto a truck for removal from the site. The hub can also be removed once it is disassembled from the blades.

Between each of the turbine locations will be a buried electrical cable and fiber optic cable. The respective Project owners will consult with the landowners at the time of decommissioning to determine if the landowners desire the Project owners to remove the cables or to leave to them in place. Removing the cables will cause some environmental impact that would need to be mitigated, but leaving them in place could impact future uses for the site. If the cables are to be removed, a trench will be opened and the cables pulled out. The cables will be cut into manageable sections and removed from the site. The trenches will then be filled with native soil, compacted, tilled and returned to a condition suitable for growing crops. Once the Project and transmission line is de-energized, the substation will be disassembled. Major components will be removed from their foundations and placed onto trucks using a small crane. Fences and fence posts will be taken down and removed. The aggregate base and concrete foundations at the collection substation will be removed, and native soils will be spread on-site to return it to its prior condition and to assist in preventing erosion.

The Project owners will review if the substation grounding grid is to be removed or left in place. Assuming the transmission line no longer serves a purpose for the site; it will be disassembled and removed. Initially, the wires will be removed from the tower hangers and collected for recycling. The tower structures will then be disassembled and removed, including grounding rods to 5 feet below grade unless a lesser depth is otherwise agreed to by the landowner. The areas around the poles, along with any access roads that were necessary, will be reclaimed.

When the wind turbines and substation components are removed from their foundations, the concrete and steel within the deeper wind turbine foundations will be broken-up and removed to a depth of four (4) feet below grade unless a lesser depth is otherwise agreed to by the landowner. Fully removing the wind turbine foundations would require major excavation/disturbance at each tower site, as well as additional truck haul-away traffic. The foundation sections below 4 feet, that are proposed to remain, are composed of non-leaching elements, concrete and steel, that should not present a hazard to the environment.

The landowners will have the choice, when the Project is decommissioned, as to whether the Project access roads are to be removed. To facilitate the various uses for the property, the owner may choose to leave the roads in place. If the roads are left, maintenance of the roads will become the responsibility of the respective landowner. Once all the necessary equipment and materials have been removed from an area and the road to that area is no longer needed, it can be removed. The road surface and bed materials will be removed down to grade. Any materials native to the site will be scattered across the site, and foreign materials will be removed. For areas where equipment or materials are removed, those areas will be re-graded back to near pre-construction contours (if possible). Removed roads will be re-graded to original contours if cuts and fills make such re-grading practical. Crane pads will also be re-graded. All disturbed areas will be seeded and mulched.

Restoration areas shall be filled and covered with top soil and restored to a state compatible with the surrounding land and will be completed within ninety (90) days of abandonment.

Appendix: H

Soil Erosion

Appendix: I
Environmental Consultation

ENVIRONMENTAL CONSULTATION I Codington County

Crowned Ridge have been in routine coordination with the US Fish and Wildlife Service (USFWS), South Dakota Department of Game, Fish, and Parks (SDGFP), and South Dakota Historic Preservation Office (SHPO) since April 2017. This coordination was initiated in spring 2017:

April 19, 2017 – two technical memoranda were provided to USFWS and SDGFP describing the project and summarizing natural resources-related surveys completed to-date and in-progress.

April 20, 2017 – Crowned Ridge held a conference call with the USFWS and SDGFP to review the technical memoranda, reintroduce the project to the agencies, and invite agency input.

June 14, 2017 – two technical memoranda were provided to SHPO and Sisseton Wahpeton Oyate (SWO) Tribal Historic Preservation Office (THPO) describing the project, known cultural resources, and establishing methods for field surveys and subsequent reporting.

June 19, 2017 – Crowned Ridge and SHPO reviewed the information and approach set forth in the two memoranda via conference call.

Since that time and through the present, Crowned Ridge have continued substantial coordination efforts with the USFWS and SDGFP related to potential natural resources in the project vicinity. Coordination has included routine information gathering and sharing. Crowned Ridge 's data requests and agency responses have included those related, and not limited, to USFWS wetland and grassland easement information, raptor nest location data, and threatened and endangered species occurrence data.

Crowned Ridge also is in active, continuous contact, and working directly with the SWO THPO on address of traditional cultural properties. The SWO THPO is serving as project liaison for coordinating with other concerned tribes in the region. Additionally, Crowned Ridge is in periodic contact with the SHPO, and has conducted various files searches and refreshes of files on known resources in the project area between June 2017 and May 2018. Further, following the 2017 fieldwork, on March 12, 2018, a follow-up call was held with SHPO, reviewing project status, results to date, and potential reporting schedule.