

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

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Grant County, SD
Crowned Ridge Wind, LLC
Crowned Ridge Wind II, LLC

GRANT COUNTY NOTICE OF APPEAL
CONDITIONAL USE PERMIT/VARIANCE APPLICATION

DATE: September 17th, 2018

PERMIT NUMBER _____

APPLICANT (PRINT): Crowned Ridge Wind, LLC and Crowned Ridge Wind II, LLC PHONE: 561-694-3913

ADDRESS (PRINT): 700 Universe Blvd., Juno Beach, Florida, 33408

OWNER (PRINT): _____ PHONE : _____

IF DIFFERENT THAN APPLICANT

ADDRESS (PRINT): _____

I/WE, THE UNDER SIGNED, ~~DO HEREBY PETITION~~ THE BOARD OF ADJUSTMENT OF GRANT COUNTY, SOUTH DAKOTA, TO ISSUE A CONDITIONAL USE PERMIT OR VARIANCE FOR

(CIRCLE APPROPRIATE REQUEST)

THE PROPERTY DESCRIBED AS: LEGAL DESCRIPTION (PRINT) _____

Crowned Ridge Wind, LLC and Crowned Ridge Wind II, LLC

PARCEL NUMBER: 194 Participating Parcels

SITE STREET ADDRESS: N/A

EXISTING LAND USE: Agriculture EXISTING ZONING: AG C/I PD NR
(CIRCLE ONE)

SIZE OF PARCEL: ACRES 11,090.049 LOT DIMENSIONS: WIDTH (FRONTAGE) _____ DEPTH _____

SURROUNDING LAND USE: NORTH: Shallow Aquifer
SOUTH: Stability
EAST: Stability
WEST: Stability

CONDITIONAL USE PERMIT:

PLEASE DESCRIBE WHAT YOU PROPOSE TO DO AND WHY YOU ARE SEEKING A CONDITIONAL USE PERMIT (ATTACH A SEPARATE SHEET OF PAPER IF NECESSARY). A Conditional Use Permit for a Wind Energy System is requested for construction and operation of the 72.8 MW Crowned Ridge Wind and Crowned Ridge II Wind Farms. Facilities will include approximately 32 turbines.

VARIANCE:

IF YOU ARE SEEKING A VARIANCE PLEASE PROVIDE A BRIEF STATEMENT OF THE VARIANCE DESIRED AND PLEASE STATE THE HARDSHIP REQUIRING RELIEF. (PROOF OF HARDSHIP IS ON THE APPLICANT – HARDSHIP EXAMPLES ARE ODD SIZE OR SHAPE OF THE LOT, UNUSUAL TOPOGRAPHY, ETC. ATTACH A SEPARATE SHEET OF PAPER IF NECESSARY).

SIGNATURE OF APPLICANT: 

SIGNATURE OF OWNER (IF DIFFERENT THAN APPLICANT): _____

NOTE: A SKETCH OF PROPOSED PROPERTY SHALL ACCOMPANY THIS APPLICATION, SHOWING THE FOLLOWING:

- | | |
|--|--|
| 1. NORTH DIRECTION | 5. LOCATION OF PROPOSED STRUCTURE ON LOT |
| 2. DIMENSIONS OF PROPOSED STRUCTURE | 6. DIMENSIONS OF FRONT AND SIDE SETBACKS |
| 3. STREET NAMES | 7. LOCATION OF ADJACENT EXISTING BUILDINGS |
| 4. OTHER INFORMATION AS MAY BE REQUESTED | |

THE BOARD OF ADJUSTMENT MAY REQUIRE THAT SUCH PLANS BE PREPARED BY A REGISTERED ENGINEER OR LAND SURVEYOR.

DATE FILED WITH ZONING OFFICER 9/17/2018 FEE PAID (NON-REFUNDABLE) (Y) \$200.00

HEARING DATE & TIME _____ ACTION BY BOARD _____

Conditions of permit:

Crowned Ridge Wind II LLC
700 Universe Blvd
Juno Beach, FL 33408

Check Date: 08/13/2018

Check No. 5000000100

BANK OF AMERICA, NA

TWO HUNDRED DOLLARS

\$200.00

PAY TO THE
ORDER OFGRANT COUNTY
210 E 5TH AVENUE
MILBANK SD 57252-2433

Void after 180 days

Crowned Ridge Wind II LLC

SIGNATURE HAS A COLORED BACKGROUND • BORDER CONTAINS MICROPRINTING

⑈5000000100⑈ ⑆061112788⑆ 335 998 1282⑈

Crowned Ridge Wind II LLC (6403 000013)
Vendor Name: GRANT COUNTYCheck Date : 08/13/2018
Check Number: 5000000100

Invoice Number	Invoice Date	Document Header Text	SAP Document	Gross Amount	Discount	Net Amount
08/09/2018	08/09/2018	CROWNED RIDGE WIND II APP	1900000032	200.00	0.00	200.00
		Check Total.....				\$200.00

September 17, 2018

Krista Atyeo-Gortmaker
Grant County Planning & Zoning
210 East 5th Avenue
Milbank, SD 57252-2499

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

Dear Mrs. Atyeo-Gortmaker,

Crowned Ridge Wind, LLC & Crowned Ridge Wind II, LLC respectfully requests your review and consideration of the enclosed application for a Conditional Use Permit Section (§)504 to construct and operate an Energy System (WES) in Grant County §1211.

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 §1211 Energy System (WES) Requirements of the Grant County Ordinance [Ord. 2004-1].

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

Sincerely,

A handwritten signature in black ink that reads "Tyler Wilhelm". The signature is written in a cursive, flowing style.

Tyler Wilhelm
Project Manager, Renewable Development
Crowned Ridge Wind, LLC
Crowned Ridge Wind II, LLC
(561) 694-3193
Tyler.Wilhelm@NextEraEnergy.com

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APPENDICES

Appendix A:	Boundaries of the site proposed for WES
Appendix B:	Map of easements for WES
Appendix C:	Copy of easement agreements with landowners
Appendix D:	Map of occupied residential structures
Appendix E:	Participating property owner list
Appendix F:	Project Area Maps
Appendix G:	Proof of utility right-of-way
Appendix H:	Location of other WES in general area
Appendix I:	Additional Project Detail Maps
Appendix J:	Shadow Flicker & Sound Pressure Report
Appendix K:	Decommissioning Summary
Appendix L:	Soil Erosion
Appendix M:	Environmental Consultation

I. PROJECT INTRODUCTION | Grant 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*"), propose to construct the Crowned Ridge Wind and Crowned Ridge Wind II wind energy facilities, (the "*Facility*") in Grant, Deuel, and Codington Counties, South Dakota. The portion of the Facility located in Grant County will include approximately 32 wind turbines, totaling approximately 72.8 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 Grant County Wind Energy System Requirements §1211 Energy System (WES) Requirements.

This Application is in response to the Grant County Zoning Ordinance and is outlined accordingly. 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

Tyler.Wilhelm@NextEraEnergy.com

II. WIND ENERGY SYSTEM | Conditional Land Use Permit Requirements

Crowned Ridge adheres to the following *Wind Energy System* requirements, as outlined in §1211. Energy System (WES) Requirements of the Grant County Zoning Ordinance.

1) APPLICANT IDENTIFICATION

Permittee:

Crowned Ridge Wind, LLC, and
Crowned Ridge Wind II, LLC
700 Universe Boulevard Juno Beach, Florida 33408

(561) 694 - 3193; (561) 694 - 3604

Tyler.Wilhelm@NextEraEnergy.com ;

Jamie.Gentile@NextEraEnergy.com

2) PROJECT DESCRIPTION

The facility will be located between 158th street to the north and 166th street to the south. The westernmost extent of the Facility is 461st street and 472nd avenue to the east. The portion of the facility proposed in Grant County will include approximately 32 turbine locations (including alternate turbines) and associated transmission and operation facilities. The Facility is located within the townships of Mazeppa, Stockholm, and Troy, and contains approximately 11,090.049 acres of leased land.

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.

Table 1.0 - Wind Turbine Specifications

Manufacturer	Turbine Name	Hub Height	Rotor Diameter	Tip Height	MW Rating	Turbines Installed
General Electric	GE 2.3 - 116	90 M (~295 FT)	116 M (~380 FT)	148 M (~485 FT)	2.3	30
General Electric	GE 2.1 - 116	80 M (~262 FT)	116 M (~380 FT)	138 M (~452 FT)	2.1	1
General Electric	GE 1.7 - 116	80 M (~262 FT)	103 M (~338 FT)	131.5 M (~432 FT)	1.7	1

Legal Description of Property

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

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	Post Approval, 2019
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 F**.

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/maintained by a governmental entity.

4) SOUND PRESSURE LEVEL

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

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 are in compliance with all applicable local, state and federal laws and regulations.

The following list represents permits and approvals being pursued, as part of this Facility, pertaining to Grant County:

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. §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 J**.

7) DECOMMISSIONING SUMMARY

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

8) ECONOMIC BENEFITS

Construction of the Facility is expected to directly employ approximately 450 individuals 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.

Crowned Ridge continues to invest in the people of South Dakota, as evidenced by the Aberdeen manufacturing plant, which builds wind turbines and was due to close, and was kept open. This saved local jobs, displaying a positive form of economic investment in South Dakota’s wind industry. Construction of the Facility is also expected to, in part, directly employ workers from Grant 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 Grant 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 Grant 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 Grant 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 Grant 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
- 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 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 has shared Facility fact sheets and presentations 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 and 2018, we were the exclusive sponsor of the Xtreme Bulls competition and plan to continue this sponsorship for many years. Each year at the rodeo, members of our team were on hand to talk to guests, share information about our company, hand out bandanas to children and families who attended the event, and conduct interviews with a local radio station.

Crowned Ridge has partnered with a K-12 organization, Wind for Schools, that travels the state teaching students about wind energy. The donation given by Crowned Ridge, will be matched at the state level, further benefiting students in South Dakota. 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 micrositeing 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 will be consistent with the requirements of §1211 Energy System (WES) Requirements, Ord. 2004-1. Crowned Ridge will insure that the placement, construction and modification of a wind Energy System (WES) facility is consistent with the County's and use policies, to minimize the impact of WES facilities, to establish a fair and efficient process for review and approval of applications, to assure a comprehensive review of environmental impacts of such facilities and to protect the health, safety, and welfare of the County's citizens.

LOCAL REQUIREMENTS

In accordance with the Zoning Ordinance for Grant County, a Conditional Land Use Permit must meet the following general standards pursuant to §1211: Energy System (WES) Requirements.

1211.01: Applicability

Crowned Ridge is submitting for consideration to construct approximately 32 turbines in Grant County. Crowned Ridge has entered into a long term agreement to distribute the electricity generated into the region. Crowned Ridge is in compliance with §1211 of Ord. 2004-1, Energy System (WES) Requirements for Grant County.

1211.01: Purpose

The purpose of this ordinance is to insure that the placement, construction and modification of a Wind Energy System (WES) Facility is consistent with the County's land use policies, to minimize the impact of WES facilities, to establish a fair and efficient process for review and approval of applications, to assure a comprehensive review of environmental impacts of such facilities, and to protect the health, safety, and welfare of the County's citizens. [Ord. 2004-1, Rev. 2004-1G]

1211.02: Federal and State Requirements

Crowned Ridge will meet or exceed all applicable federal and South Dakota standards and regulations and those of any agency of federal or state government with the authority to regulate WESs.

1211.04: General Provisions

1. Mitigation Measures:

(a) Site Clearance

Crowned Ridge will 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 segregate 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 project's life and will 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

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

- iv. 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 detailed Stormwater Pollution Prevention plan (SWPPP) prior to construction and submit the plan to the County, and to the State. The SWPPP will address the erosion control measures for each project phase and, at a minimum will 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 SWPPP will identify methods for disposal or storage of excavated material, per Appendix L.

2. Setbacks

Crowned Ridge will site the Facility consistent with the Requirements for Energy System (WES) as proposed in ordinance 2004-1, Rev. 2004-1G, §1211.

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 Grant County Ordinance 2004-1, Rev. 2004-1G, §1211, Crowned Ridge will maintain a distance of at least one thousand (1,000) feet from existing off-site residences, business, churches, and buildings owned and/or maintained by a governmental entity and public buildings. Distance from on-site or lessor's residence will be five hundred (500) feet. Distance to be measured from the wall line of the neighboring principal building to the base of the WES tower. These setbacks are further illustrated in **Appendix F**.
- The distance from centerline of public right-of-way will be at least five hundred (500) feet or one hundred ten percent (110%) the height of the wind turbines, whichever distance is greater, two (2) times 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 F**.
- The distance from any property line will be at least five hundred (500) feet or one hundred ten percent (110%) the height of the wind turbine, whichever distance is greater, two (2) times 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 has been obtained from adjoining property owner. These setbacks are further illustrated in **Appendix F**.
- *Exception: The board of adjustment may allow setback/separation distances to be less than the established distances identified above, if the adjoining landowners agree to*

a lesser setback/separation distance. If approved, such agreement is to be recorded and filed with the register of deeds.

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. *This restriction shall not apply to infrared heating devices used to protect the monitoring equipment. Upon commencement of construction of a tower, in cases where there are residential uses located within a distance which is three hundred (300) percent of the height of the tower from the tower and when required by federal law, dual mode lighting shall be requested from the FAA. Beacon lighting, unless required by FAA, shall not be utilized.* 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) within a string and 10 RDs between strings. If required during final micro siting of the turbines to account for topographic conditions, up to ten (10%) percent of the towers 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 when located on private property. 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 public rights of way or private property if no public right-of-way exists. Changes in routes may be made as long as feeders remain on public rights-of-way and approval has been obtained from the governmental unit responsible for the affected right-of-way. If no public right-of-way exists, Crowned Ridge will place feeders on private property. 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. Feeder line support structures (power poles) will be placed on private property where concrete or other similar materials are used as an exposed or above-ground permanent foundation.

9. Decommissioning/Restoration/Abandonment

a. Cost Responsibility

The owner or operator of a WES is responsible for decommissioning that facility and for all costs associated with decommissioning that facility and associated facilities.

b. Decommissioning Plan

Within 120 days of completion of construction, Crowned Ridge will submit to the County a decommissioning plan describing the manner in which Crowned Ridge anticipates decommissioning the project in accordance with the requirements of paragraph (e) 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 are fulfilling this obligation.

c. Financial Assurance

After the tenth (10th) year of operation of a WES facility, 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.

d. 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. Upon expiration of this permit, or upon 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. [Ord. 2004-1 Rev.2004-1G]

e. Failure to Decommission

If Crowned Ridge does not complete decommissioning, the Board may take such action as may be necessary to complete decommissioning, including requiring forfeiture of the bond. 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. Abandoned Turbines

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

11. 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 than twenty-five (25) feet.

12. 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.

13. Noise

- a. Noise level will not exceed 50 dBA, including constructive interference effects at the perimeter of the principal and accessory structures of existing off-site residences, businesses, and buildings owned and/or maintained by a governmental entity property line of existing off-site residences, businesses, and buildings, and public buildings. [Ord. 2004-1, Rev. 2004-1G] An acoustic analysis for the Project is included with this application and can be found in **Appendix J**.

14. Permit Expiration

Crowned Ridge acknowledges that the permit will be voided if no substantial construction as described in the application has been completed within two (2) years of issuance.

15. Required Information for Permit [Ord. 2004-1, Rev. 2004-1G]

- a. **Appendix A** -- 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.
- c. **Appendix C** -- Copy of easement agreements with landowners. Affidavit attesting that necessary easement agreements with landowners have been obtained.
- d. **Appendix D** -- Map of occupied residential structures, businesses, churches, and buildings owned and/or maintained by a governmental entity and public buildings within one (1) mile of the project area.
- e. **Appendix F** -- Map of sites for WES, access roads, and utility lines. Preliminary map of sites for WES, access roads, and collector and feeder lines. Final map of sites for WES, access roads, and utility lines to be submitted sixty (60) days prior to construction.
- f. **Appendix G** -- Proof of utility right-of-way easement for access to transmission lines and/or utility interconnection.
- g. **Appendix H** -- Location of other WES in general area.
- h. **Appendix M** -- Project specific environmental concerns (e.g. native habitat, rare species, and migratory routes).
- i. Final haul road agreements to be submitted sixty (60) days prior to construction.

2) §504. POWERS AND JURISDICTION RELATING TO CONDITIONAL USES

The County Board of Adjustment shall have the power to hear and decide, in accordance with the provisions of this regulation, requests for conditional uses or for decisions upon other special questions upon which the Board of Adjustments is authorized by this regulation to pass; to decide such questions as are involved in determining whether special conditions and safeguards as are appropriate under this regulation or to deny conditional uses when not in harmony with the purpose and intent of this regulation. A Conditional Use Permit shall not be granted by the Board of Adjustment unless and until:

Pursuant to §1211 Energy System (WES) Requirements of the Grant County Zoning Ordinance, these regulations shall apply to Crowned Ridge. Crowned Ridge has submitted for consideration a WES consisting of 32 wind turbines locations reaching a maximum height of approximately 486ft. 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 approximately 450 temporary construction jobs, payments directly to land owners, as well as tax payments to Grant County.

1. A written application for a conditional use is submitted, indicating the section of this regulation under which the special exception is sought and stating the grounds on which it is requested.

Crowned Ridge has submitted a written application for a Conditional Use Permit §504 for §1211 Energy System (WES) Requirements.

2. Notice of hearing shall be published once ten (10) days prior to the hearing in a paper of general circulation in the area affected.

3. The public hearing shall be held. Any party may appear in person, or by agent or attorney.

4. 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, grant with conditions, or deny the conditional use, and that the granting of the conditional use will not adversely affect the public interest.

Crowned Ridge will not adversely affect the public interest. Crowned Ridge will provide positive economic benefit to the community in the form of approximately 450 temporary construction jobs, payments directly to land owners, as well as tax payments to Grant County. Crowned Ridge has followed the siting guidelines as established by the County Zoning Code, which has considered the safety, health, and welfare of the public.

5. Before any conditional use is granted, the Board of Adjustment shall make written findings certifying compliance with the specific rules governing individual conditional uses and that satisfactory provision and arrangement has been made concerning the following, where applicable:

- a. Entrance to and exit from 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 Grant 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, odor, 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 Grant County which can be found at Appendix J. The findings of the acoustic analysis will indicate that Crowned Ridge is in compliance with §1211 Energy System (WES) Requirements.

Additionally, included with this application is a shadow flicker analysis which can be found in Appendix J. 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. Refuse and service areas, with particular reference to the items in (a) and (b) above.

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

- d. Utilities, with reference to locations, availability, and compatibility.

This information can be found in Appendix F.

- e. Screening and buffering with reference to type, dimensions, and character.

Crowned Ridge will meet and exceed the siting requirements set forth in §1211 Energy System (WES) Requirements. The Crowned Ridge Site Plan located in **Appendix F** 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 §1211 of the Energy System (WES) Requirements.

- f. 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 or exceed the required yard (setback) requirements as outlined in the applicable sections of the WES policies of the Grant County Zoning Ordinance.

g. Required yards and other open spaces.

Crowned Ridge has complied with the siting criteria as outlined in §1211 of the County's code.

h. General compatibility with adjacent properties and other property.

Crowned Ridge is purposed to be located on Agricultural Land (A). Adjacent properties and other properties in the general area are primarily used for the same purpose i.e.: pasture land, and agriculture. 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 an Energy System (WES). Crowned Ridge has taken several steps to minimize any potential impact on surrounding properties.

6. A conditional use that is granted but not used within two (2) years will be considered invalid unless an extension has been requested and approved by the Board of Adjustment.

Crowned Ridge acknowledges that if a Conditional Use Permit is granted, and not used within two (2) years, it shall be considered invalid, unless an extension has been approved by the Board of Adjustments.

7. The affirmative vote of two-thirds (2/3) five (5) votes of the full membership of the Board of Adjustment is required to approve a conditional use.

Acknowledged.

8. In granting the Conditional Use Permit, the Board of Adjustment may prescribe appropriate conditions and safeguards, in conformity with this regulation. Violation of such conditions and safeguards, when made a part of the terms under which the Conditional Use Permit is granted, shall be deemed a violation of this ordinance and punishable under § 808 of this ordinance.

Crowned Ridge will conform with any conditions and safeguards prescribed by the Board of Adjustments.

9. Reapplication. No applicant requesting a Conditional Use Permit whose application includes the same or substantially the same requirements for the same or substantially the same property which has been denied by the Board of Adjustment shall be again considered by the Board of Adjustment before the expiration date of six (6) months from the date of the final action on the petition.

This is the initial submittal for Crowned Ridge, and it does not contain a duplicate request that was previously denied by the Board of Adjustment.

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 F** 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 GE 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 Crowned Ridge substations by an electrical power collection system as shown on the site plans. Crowned Ridge energy collection system will include pad-mounted transformers, buried cables, and junction boxes.

- **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.

- **Anemometer Tower (“Met Tower”)**

The proposed Facility will require approximately four (4) Met Towers. The towers will be approximately 263 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 Grant 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 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 Grant County Zoning Ordinance and with the general and specific standards and requirements for conditional land uses as described in the §1211 Energy System (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 Use Permit, Crowned Ridge Wind, LLC, and Crowned Ridge Wind II, LLC are anticipated to begin construction upon approval of all necessary permits. The Facility will be supported by approximately 450 construction workers, will supply clean renewable energy, 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 Grant County for the foreseeable future.

Appendix: A

Boundaries of the site proposed for WES

Crowned Ridge

- Crowned Ridge I
- Crowned Ridge II
- Grantl County
- Township
- County

N



120N
052W

120N
051W

120N
050W

120N
049W

120N
048W

119N
052W

119N
051W

119N
050W

119N
049W

119N
048W

118N
052W

118N
051W

118N
050W

118N
049W

118N
048W

117N
051W

117N
050W

117N
049W

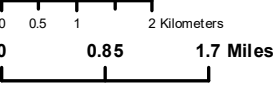
117N
048W

Codington

Grant

Deuel

Grant
Deuel



Appendix: B

Map of easements for WES

Crowned Ridge

- Non-Participating
- Participating
- Crowned Ridge I
- Crowned Ridge II
- Grantl County
- Township
- County

N

120N
052W

120N
051W

120N
050W

120N
049W

120N
048W

119N
051.5W

119N
051W

119N
052W

119N
052.5W

119N
052W

119N
051W

119N
050W

119N
049W

119N
048W

Codington

Grant

118N
050W

118N
052W

118N
051W

118N
049W

118N
048W

117N
051W

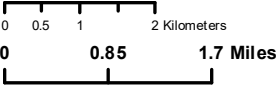
117N
050W

117N
049W

117N
048W

Deuel

Grant
Deuel



Appendix: C

Copy of easement agreements with landowners

STATE OF FLORIDA)
 :SS
COUNTY OF PALM BEACH)

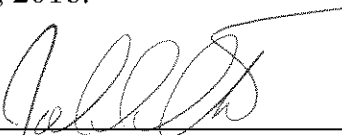
AFFIDAVIT OF

JOHN DI DONATO

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

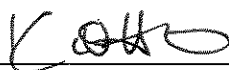
1. Your affiant is the Vice President of NextEra Energy Resources (NEER),
LLC., and has knowledge of the matters asserted herein.
2. Crowned Ridge Wind I, LLC and Crowned Ridge II, LLC is an indirect wholly
owned subsidiary of NEER and is the applicant for a permit for a Wind Energy
System (WES) from Grant 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 10th day of September, 2018.



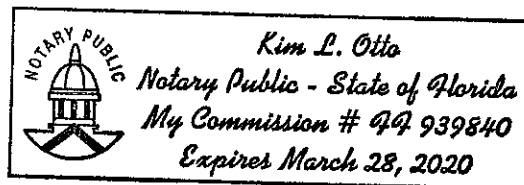
John Di Donato

Subscribed and sworn to before me this 10th day of September, 2018.



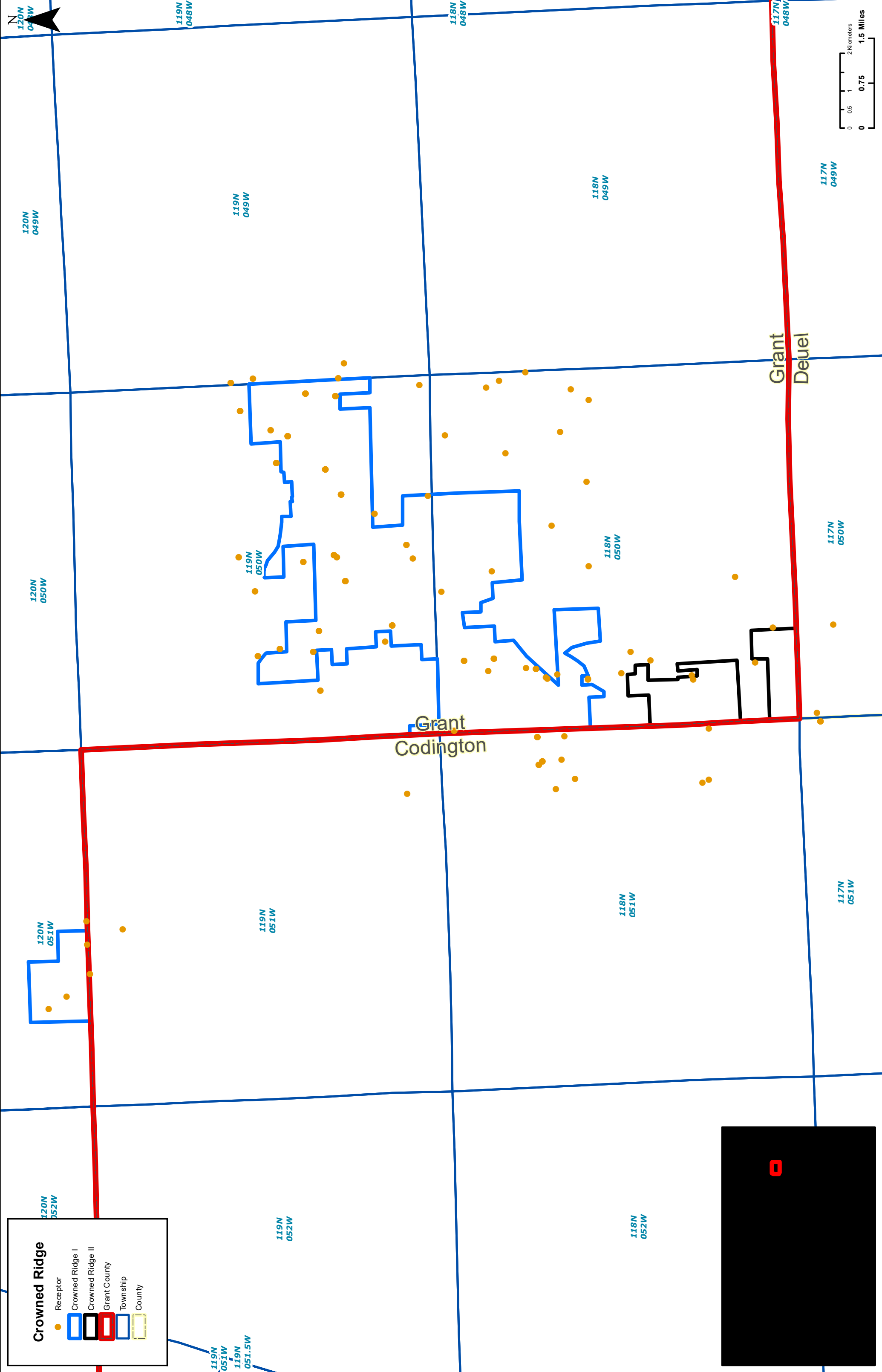
Notary Public, Florida

(SEAL)



Appendix: D

Map of occupied residential structures



Appendix: E

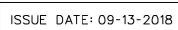
Participating Property Owner List

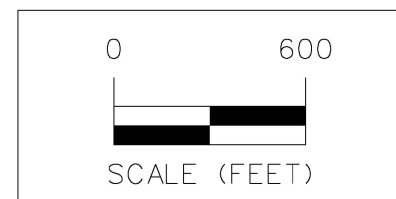
Parcel ID	Acres	Landowner Name	PLSS Section	PLSS Township	PLSS Range	Parcel County
1020752077	159.7798	LARSON GILBERT	31	118N	050W	Grant
1020749082	149.6334	ZEMLIKA DEWEY L	32	118N	050W	Grant
1020749080	79.00769	ZEMLIKA DEWEY L	32	118N	050W	Grant
1020746790	162.3955	ZEMLIKA DARON A	30	118N	050W	Grant
1020746782	162.264	ZEMLIKA DARON A	30	118N	050W	Grant
1020746781	162.0814	EVJEN JOYCE A	30	118N	050W	Grant
1020749085	140.0065	EVJEN JOYCE A	30	118N	050W	Grant
1020753021	161.3144	LARSON ELMER G	19	118N	050W	Grant
1020746767	80.59571	LARSON ELMER G	19	118N	050W	Grant
1020749087	96.78363	LARSON ELMER G	19	118N	050W	Grant
1020746780	24.63964	RITTMANN JOHN E	18	118N	050W	Grant
1020746791	17.70622	RITTMANN JOHN E	18	118N	050W	Grant
1020746805	147.2169	ANDERSON HAROLD L	17	118N	050W	Grant
1020746776	64.14385	RITTMANN JOHN E	18	118N	050W	Grant
1020746792	138.5525	RITTMANN JOHN E	18	118N	050W	Grant
1020746774	156.7187	ANDERSON HAROLD L	17	118N	050W	Grant
1020750669	15.00008	WOLLSCHLAGER DOUGLAS	7	118N	050W	Grant
1020749012	2.099232	LINDBERG TERRY L	7	118N	050W	Grant
1020749013	7.116745	LINDBERG TERRY L	7	118N	050W	Grant
1020749026	9.368104	WOLLSCHLAGER DOUGLAS	7	118N	050W	Grant
1020749014	160.9136	WOLLSCHLAGER DOUGLAS E	7	118N	050W	Grant
1020750915	160.7344	BREYER DWAYNE J	11	118N	050W	Grant
1020749006	16.39542	MILLER KEVIN R	8	118N	050W	Grant
1020749030	140.6232	LINDBERG TERRY L	8	118N	050W	Grant
1020749047	132.4422	DAHLGREN KEVIN	9	118N	050W	Grant
1020749052	159.5552	GRANQUIST GARY	10	118N	050W	Grant
1020749051	159.6486	GRANQUIST GARY	10	118N	050W	Grant
1020746252	159.6953	BREYER DWAYNE J	11	118N	050W	Grant
1020749702	30.27497	DAHLGREN KEVIN	9	118N	050W	Grant
1020746242	160.2331	GRABOW TYLER	6	118N	050W	Grant
1020750982	156.3538	LINDBERG TERRY L	5	118N	050W	Grant
1020751004	79.7364	LINDBERG TERRY L	5	118N	050W	Grant
1020750893	159.1193	DAHLGREN KEVIN	4	118N	050W	Grant
1020750691	134.8045	DAHLGREN KEVIN K	4	118N	050W	Grant
1020746237	157.6296	FIELDS ROBERT A	3	118N	050W	Grant
1020746240	158.6681	FOX JOHN L	3	118N	050W	Grant
1020751037	160.912	RUHR MARY B	6	118N	050W	Grant
1020751026	160.8411	KRAKOW MARY M	6	118N	050W	Grant
1020750971	155.8953	AMBERG NANCY	5	118N	050W	Grant
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1020750826	138.1246	PEKELDER RYAN R	3	118N	050W	Grant
1020748985	159.2069	KRAKOW KEVIN	31	119N	050W	Grant
1020746235	119.6866	PEKELDER ROBERT O	32	119N	050W	Grant
1020746227	120.9373	BOULAY CAROLYN LOY	33	119N	050W	Grant
1020746228	159.0887	FIELDS ROBERT A	33	119N	050W	Grant
1020750702	158.1188	PEKELDER RYAN R	34	119N	050W	Grant
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1020748992	31.51747	PEKELDER ROBERT O	33	119N	050W	Grant
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1020748977	159.7853	PEKELDER RYAN R	29	119N	050W	Grant

1020748937	199.5902	C D FARM INC	28	119N	050W	Grant
1020746208	79.35668	BAXTER PATRICIA J	25	119N	050W	Grant
1020746213	79.95232	DORSETT MARK D	25	119N	050W	Grant
1020746218	156.186	GRANQUIST MARK	26	119N	050W	Grant
1020746209	39.6569	BERKNER	25	119N	050W	Grant
1020746220	158.0585	DOLEN DUANE A	27	119N	050W	Grant
1020746217	312.5508	SCHULTZ LARRY	26	119N	050W	Grant
1020746686	6.100185	SCHULTZ LARRY A	26	119N	050W	Grant
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1020748965	160.1962	C D FARM INC	28	119N	050W	Grant
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1020748980	79.15733	DOLEN DUANE A	27	119N	050W	Grant
1020748979	137.6714	BERKNER	25	119N	050W	Grant
1020748938	51.40875	PEKELDER KRIS	29	119N	050W	Grant
1020748844	31.80666	GRANQUIST GARY	25	119N	050W	Grant
1020748968	15.19227	BERKNER	25	119N	050W	Grant
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1020748961	61.7948	GRANQUIST GARY	23	119N	050W	Grant
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1020748838	141.1063	GRANQUIST GARY	24	119N	050W	Grant
1020748962	87.96601	GRANQUIST GARY	23	119N	050W	Grant
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1020748949	157.6369	BERKNER	24	119N	050W	Grant
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1020748861	27.84427	BERG JAMES B	22	119N	050W	Grant
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1020748927	148.0182	LARSEN DONALD A	20	119N	050W	Grant
1020748849	155.6657	BERKNER	24	119N	050W	Grant
1020748850	154.3173	BERKNER	24	119N	050W	Grant
1020746457	161.105	SCHMELING RONALD	32	120N	051W	Grant
1020748178	161.8354	GTV LAND & CATTLE CO INC	33	120N	051W	Grant
1020748179	156.3683	ZIRBEL JAMES G	33	120N	051W	Grant
1020748161	161.1267	HENRICHS MICHAEL	32	120N	051W	Grant
1020748168	162.0413	GTV LAND & CATTLE CO INC	33	120N	051W	Grant

Appendix: F

Project Area Maps



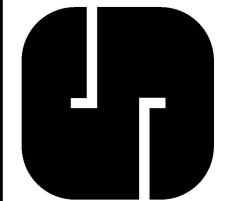


ISSUE DATE: 09-13-2018

NEXTERA ENERGY - CROWNED RIDGE, LLC

CUP MAPBOOK SEC 32, TWP 120N, RNG 51W

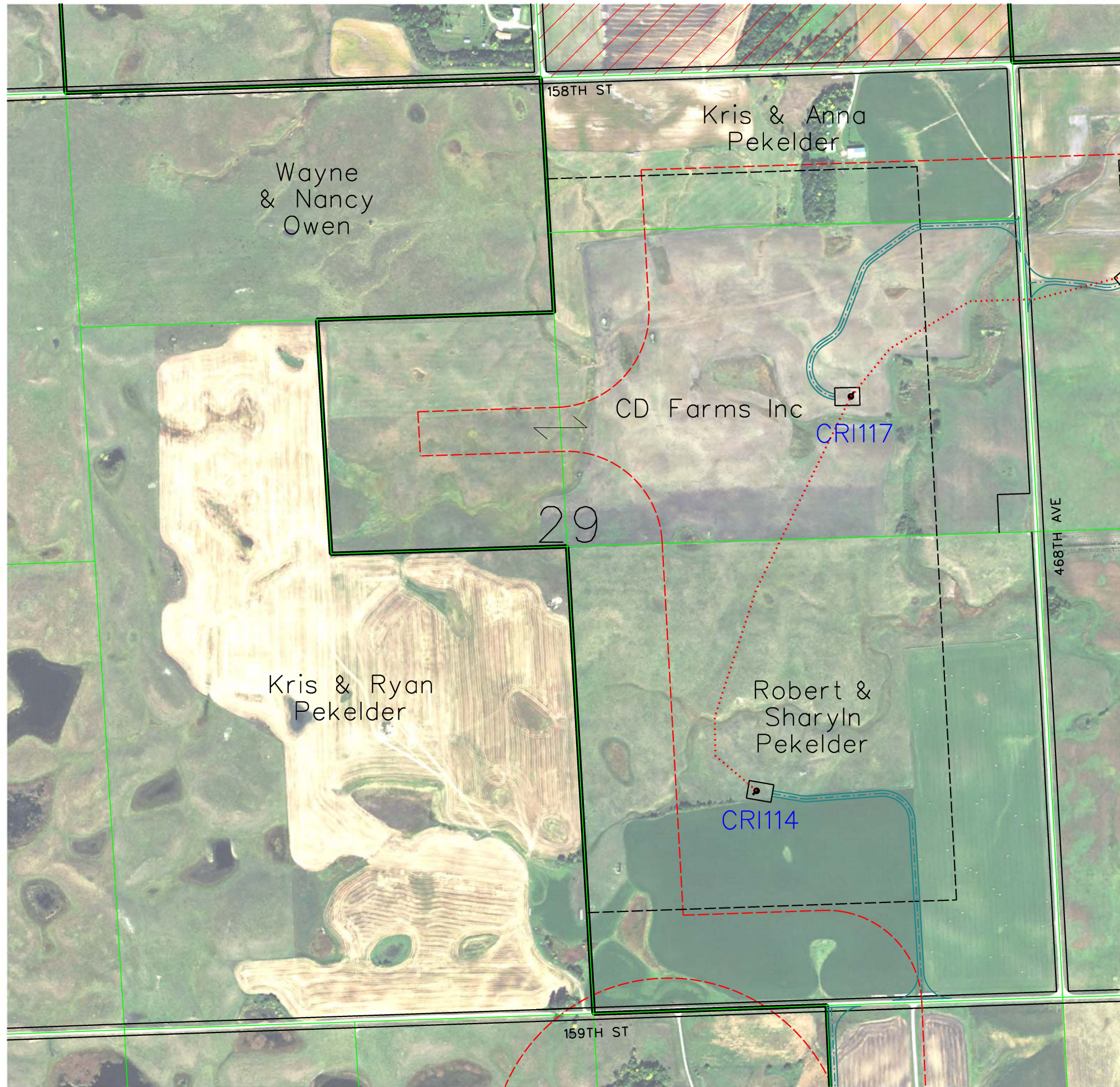
SNYDER & ASSOCIATES, INC.



Project No:	1140140
Sheet	1 of 18

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LEGEND

- PAD MOUNT TRANSFORMER

TURBINE

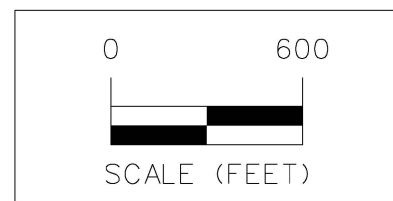
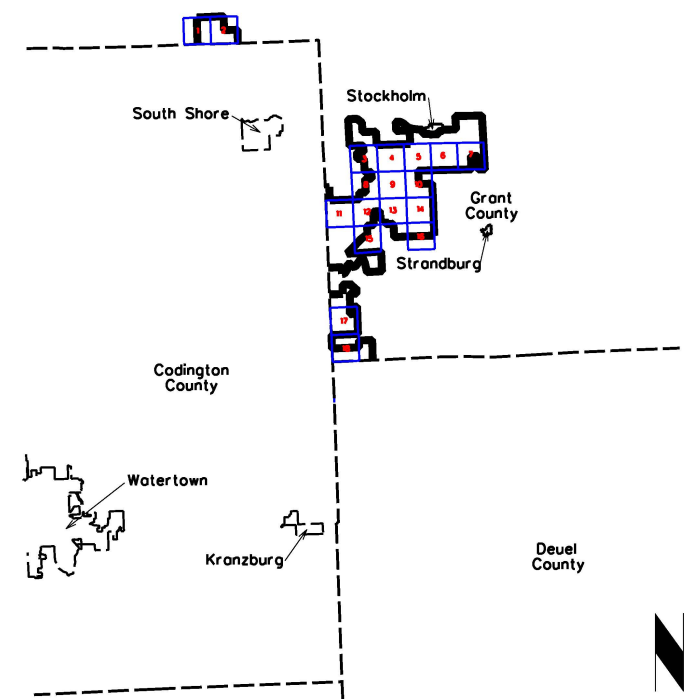
GE 2.1MW 116RD 80HH AND GE 1.715MW 103RD 80HH TURBINE WITH NUMBER

122' 72'
- PAD MOUNT TRANSFORMER

TURBINE

GE 2.3MW 116RD 90HH CRANE PAD & TURBINE WITH NUMBER

140' 90' 100'
- CRI119** GE 2.3 MW TURBINE WITH NUMBER (116 Meter Rotor Diameter & 90 Meter Hub Height 08-31-18 Array)
- CRI115** GE 2.1 MW TURBINE WITH NUMBER (116 Meter Rotor Diameter & 80 Meter Hub Height 08-31-18 Array = CRI115)
- CRI120** GE 1.715 MW TURBINE WITH NUMBER (103 Meter Rotor Diameter & 80 Meter Hub Height 08-31-18 Array = CRI120)
- PROPOSED ACCESS ROAD
- PROPOSED UNDERGROUND COLLECTION
- PROPERTY BOUNDARY
- EXISTING ROAD RIGHT-OF-WAY
- NONPARTICIPATING PARCEL
- NONPARTICIPATING PARCEL SETBACK = 535 FT
- PUBLIC ROAD ROW SETBACK = 535 FT
- MUNICIPAL BOUNDARY SETBACK = 1000 FT
- PROJECT BOUNDARY
- NONPARTICIPATING OCCUPIED HOUSE SETBACK = 1000 FT
- PARTICIPATING OCCUPIED HOUSE SETBACK = 500 FT



ISSUE DATE: 09-13-2018

MARK		REVISION	DATE	BY
Engineer:	SCH	Checked By:	MGG	Scale: 1"=
Technician:	DW	Date:	8/24/18	Field Bk:
Project No:			1140140	Sheet 3 of 18

NEXTERA ENERGY - CROWNED RIDGE, LLC

CUP MAPBOOK SEC 29, TWP 119N, RNG 50W

SNYDER & ASSOCIATES, INC.

1751 MADISON AVENUE
COUNCIL BLUFFS, IA 51503
712-322-3202 | www.snyder-associates.com

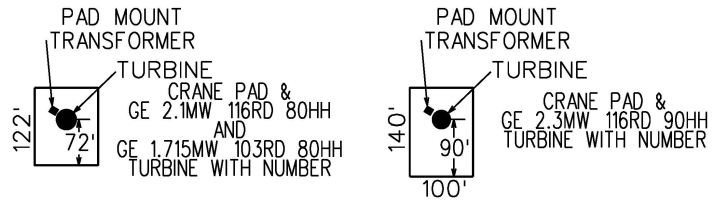
Project No: 1140140

Sheet 3 of 18

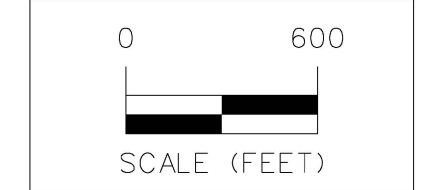
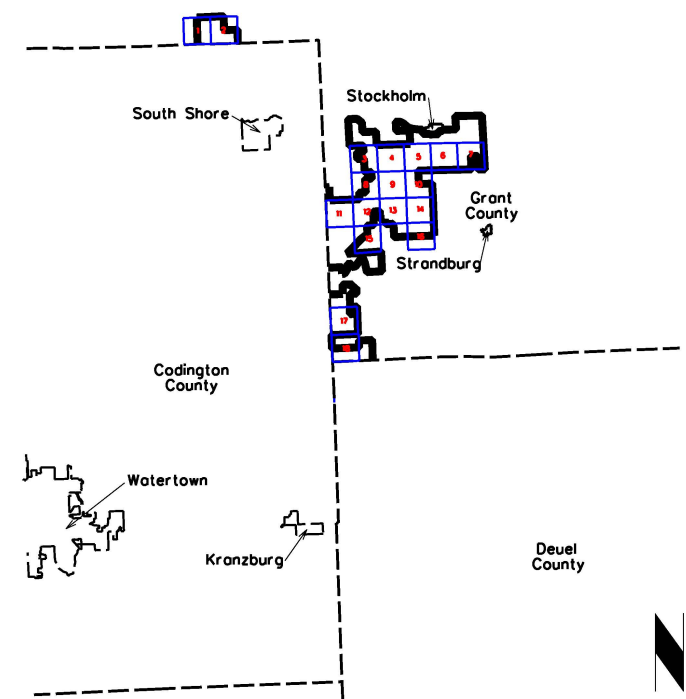
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LEGEND



- CRI119** GE 2.3 MW TURBINE WITH NUMBER (116 Meter Rotor Diameter & 90 Meter Hub Height 08-31-18 Array)
- CRI115** GE 2.1MW TURBINE WITH NUMBER (116 Meter Rotor Diameter & 80 Meter Hub Height 08-31-18 Array = CRI115)
- CRI120** GE 1.715 MW TURBINE WITH NUMBER (103 Meter Rotor Diameter & 80 Meter Hub Height 08-31-18 Array = CRI120)
- PROPOSED ACCESS ROAD
- PROPOSED UNDERGROUND COLLECTION
- PROPERTY BOUNDARY
- EXISTING ROAD RIGHT-OF-WAY
- NONPARTICIPATING PARCEL
- NONPARTICIPATING PARCEL SETBACK = 535 FT
- PUBLIC ROAD ROW SETBACK = 535 FT
- MUNICIPAL BOUNDARY SETBACK = 1000 FT
- PROJECT BOUNDARY
- NONPARTICIPATING OCCUPIED HOUSE SETBACK = 1000 FT
- PARTICIPATING OCCUPIED HOUSE SETBACK = 500 FT



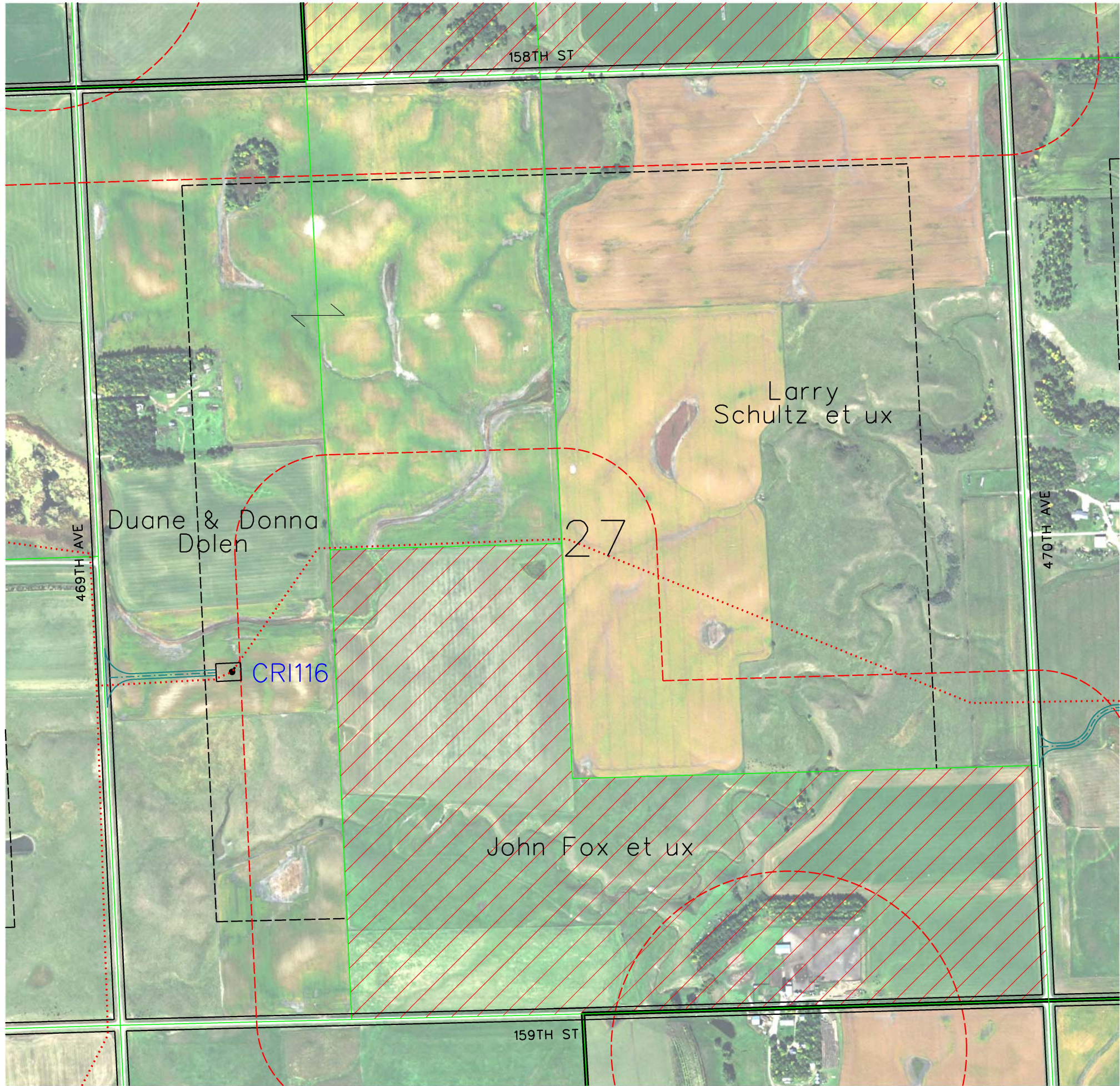
ISSUE DATE: 09-13-2018

MARK		REVISION	DATE	BY
Engineer:	SCH	Checked By:	MGG	Scale: 1"=
Technician:	DW	Date:	8/24/18	Field Bk:
Project No:			1140140	Sheet 4 of 18

NEXTERA ENERGY - CROWNED RIDGE, LLC	
CUP MAPBOOK SEC 28, TWP 119N, RNG 50W	
GRANT COUNTY, SOUTH DAKOTA	
1751 MADISON AVENUE COUNCIL BLUFFS, IA 51503 712-322-3202 www.snyder-associates.com	
SNYDER & ASSOCIATES, INC.	

Project No: 1140140	
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LEGEND

- PAD MOUNT TRANSFORMER

TURBINE

GE 2.1MW 116RD 80HH AND GE 1.715MW 103RD 80HH TURBINE WITH NUMBER

122' 72'
- PAD MOUNT TRANSFORMER

TURBINE

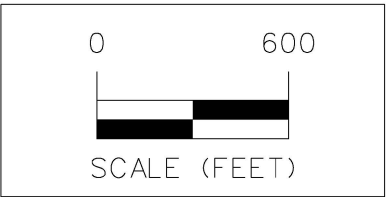
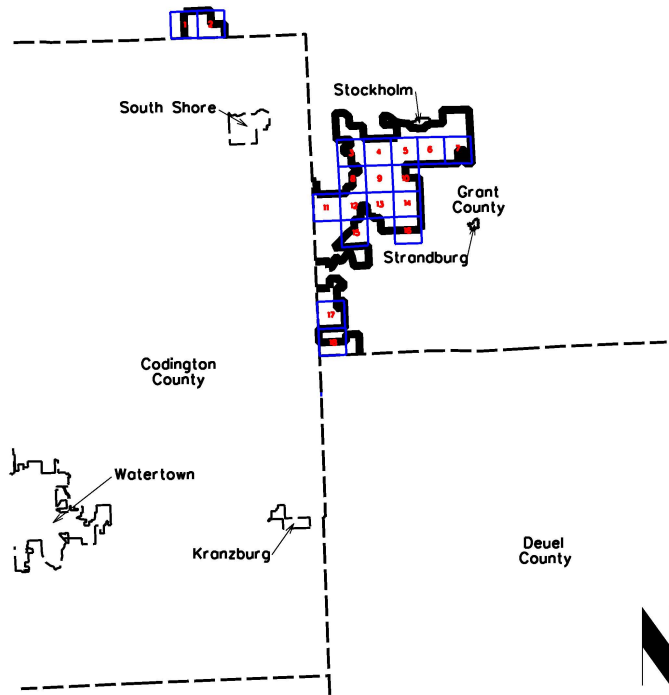
GE 2.3MW 116RD 90HH CRANE PAD & TURBINE WITH NUMBER

140' 90' 100'
- CRI119**

GE 2.3 MW TURBINE WITH NUMBER (116 Meter Rotor Diameter & 90 Meter Hub Height 08-31-18 Array)
- CRI115**

GE 2.1MW TURBINE WITH NUMBER (116 Meter Rotor Diameter & 80 Meter Hub Height 08-31-18 Array = CRI115)
- CRI120**

GE 1.715 MW TURBINE WITH NUMBER (103 Meter Rotor Diameter & 80 Meter Hub Height 08-31-18 Array = CRI120)
- PROPOSED ACCESS ROAD
- PROPOSED UNDERGROUND COLLECTION
- PROPERTY BOUNDARY
- EXISTING ROAD RIGHT-OF-WAY
- NONPARTICIPATING PARCEL
- NONPARTICIPATING PARCEL SETBACK = 535 FT
- PUBLIC ROAD ROW SETBACK = 535 FT
- MUNICIPAL BOUNDARY SETBACK = 1000 FT
- PROJECT BOUNDARY
- NONPARTICIPATING OCCUPIED HOUSE SETBACK = 1000 FT
- PARTICIPATING OCCUPIED HOUSE SETBACK = 500 FT



ISSUE DATE: 09-13-2018

MARK

REVISION

Engineer: SCH

Checked By: MGG

Technician: DW

DATE

BY

Scale: 1"=

Date: 8/24/18

Field Bk:

Project No: 1140140

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NEXTERA ENERGY - CROWNED RIDGE, LLC

CUP MAPBOOK SEC 27, TWP 119N, RNG 50W

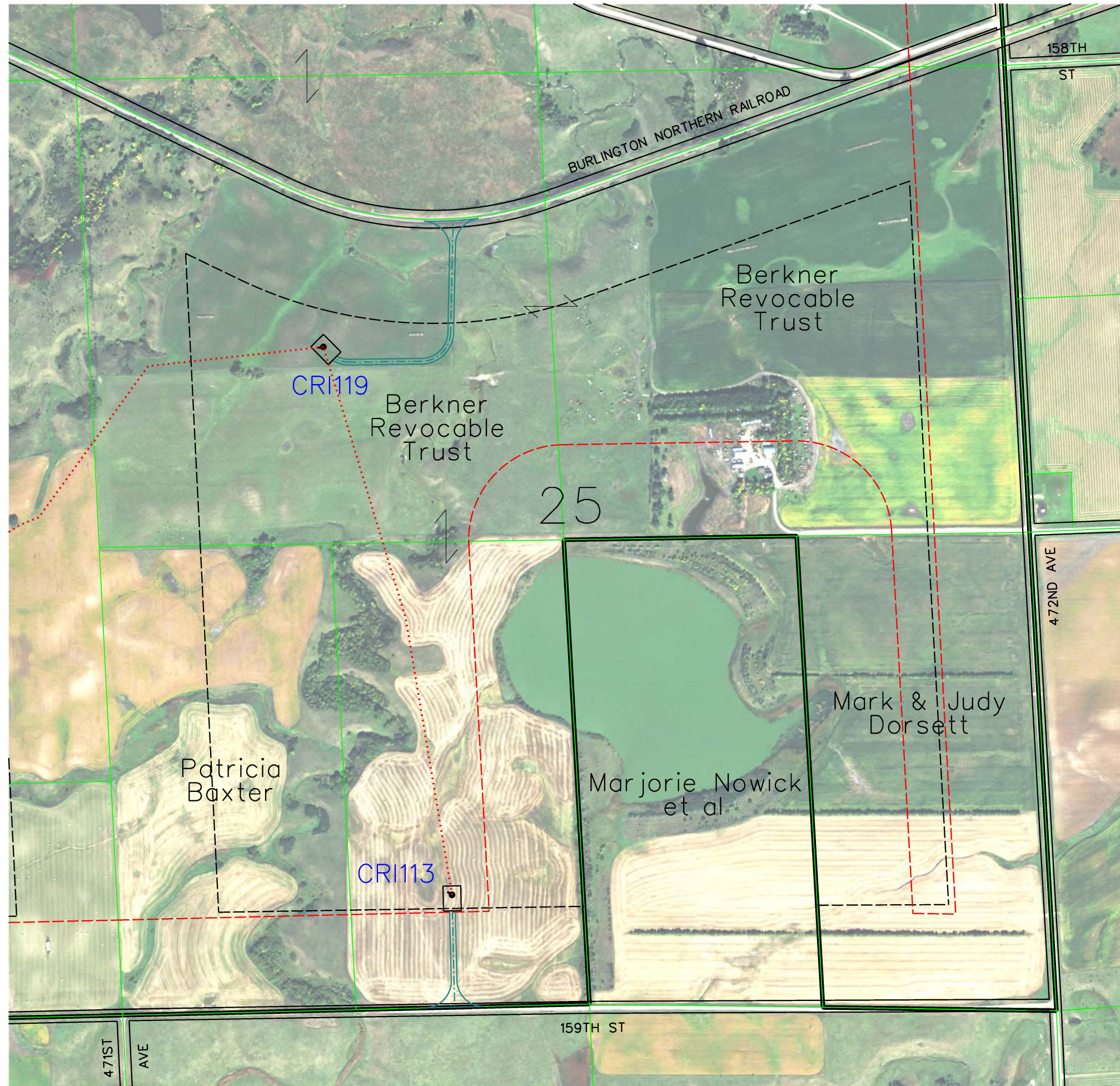
SNYDER & ASSOCIATES, INC.

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COUNCIL BLUFFS, IA 51503
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Project No: 1140140

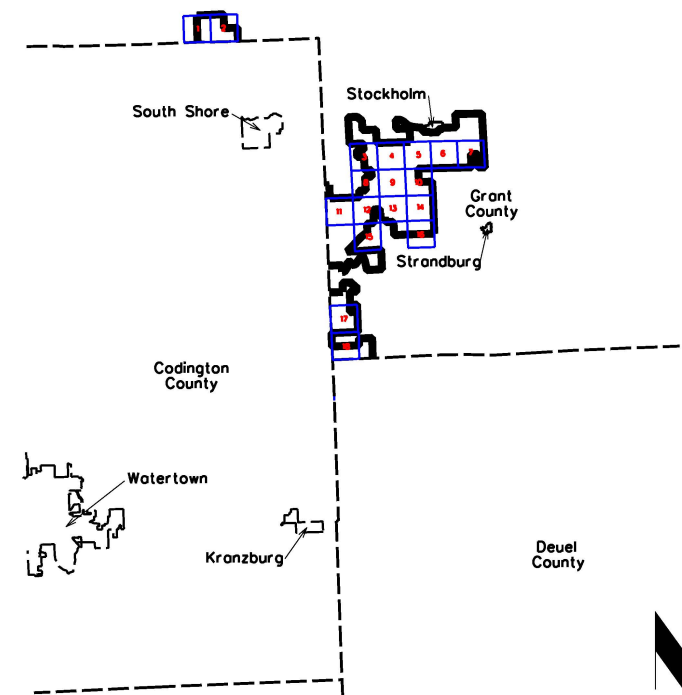
Sheet 5 of 18

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SNYDER 11400



LEGEND

- PAD MOUNT TRANSFORMER**
TURBINE
GE 2.1MW 116RD 80HH
AND
GE 1.715MW 103RD 80HH
TURBINE WITH NUMBER
- PAD MOUNT TRANSFORMER**
TURBINE
GE 2.3MW 116RD 90HH
CRANE PAD &
TURBINE WITH NUMBER
- CR119**
GE 2.3 MW TURBINE WITH NUMBER (116 Meter Rotor Diameter & 90 Meter Hub Height 08-31-18 Array)
- CR1115**
GE 2.1MW TURBINE WITH NUMBER (116 Meter Rotor Diameter & 80 Meter Hub Height 08-31-18 Array = CRI115)
- CR1120**
GE 1.715 MW TURBINE WITH NUMBER (103 Meter Rotor Diameter & 80 Meter Hub Height 08-31-18 Array = CRI120)
- PROPOSED ACCESS ROAD
- PROPOSED UNDERGROUND COLLECTION
- PROPERTY BOUNDARY
- EXISTING ROAD RIGHT-OF-WAY
- NONPARTICIPATING PARCEL
- NONPARTICIPATING PARCEL SETBACK = 535 FT
- PUBLIC ROAD ROW SETBACK = 535 FT
- MUNICIPAL BOUNDARY SETBACK = 1000 FT
- PROJECT BOUNDARY
- NONPARTICIPATING OCCUPIED HOUSE SETBACK = 1000 FT
- PARTICIPATING OCCUPIED HOUSE SETBACK = 500 FT



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SCALE (FEET)

ISSUE DATE: 09-13-2018

NEXTERA ENERGY - CROWNED RIDGE, LLC

CUP MAPBOOK SEC 25, TWP 119N, RNG 50W

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Project No: 1140140

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