



Redwood County

www.co.redwood.mn.us

Application for Conditional Use Permit

Permit #: 6-25-25 Date: 6/23/25

Location of Proposed Use:

FNR LLC, Jay Fultz

Address: 12304 12376 Bunker Ave City: Walnut Grove State: MN Zip: 56180

House # Street Name

Parcel #: 66-021-4030 Township: _____ Section: 21 Twp #: TWP-109 Range: 39

Legal Description:

SECT-21 TWP-109 RANG-39 326.70' BY 400' TR IN SE1/4 NE1/4 SE1/4
See attached

Information about the Site:

Zoning District: _____

NOTICE: Change of land use may affect your property taxes.

General description of the building(s) and proposed use:

We are proposing the installation of two small non-commercial Eocycle Technologies, Wind Turbine Systems 105' in height and Rated @ 19.9 kW each

Building Size: (Please enter dimensions in feet)

Width: 30' Length: 30' Diameter: 5' Total Height: 105'

Setbacks: (Please enter in feet)

Side Yard Setback: 10' Direction: West

Side Yard Setback: _____ Direction: _____

Rear Yard Setback: 10' Direction: South

Road Type: _____ Setback from the Right-of-Way: 115'

Setback from the center of the road _____ ft

Type of Sewer System:

Drainage Plan:

Other Information:

[Empty box for other information]

Applicant Information:

First Name: LANE **Last Name:** ALBRECHT
Business Name: ALBRECHT WIND ENERGY LLC
Address: 2305 WILLIAMS PKW SW **City:** WILLMAR **State:** MN **Zip:** 56201
Home Phone: _____ **Cell Phone:** 320-298-1130 **Email:** LANE@ALBRECHTWINDENERGY.COM

Operator Information: (Complete only if different from Applicant)

First Name: _____ **Last Name:** _____
Business Name: _____
Address: _____ **City:** _____ **State:** MN **Zip:** _____
Home Phone: _____ **Cell Phone:** _____ **Email:** _____

Land Owner Information: (Complete only if different from applicant)

First Name: Jay **Last Name:** Fultz FNR LLC
Address: 12411 ASPEN AVE **City:** TRACY **State:** MN **Zip:** 56175
HomePhone: _____ **CellPhone:** 507-626-0841 **Email:** jay.fultz@gmail.com

I affirm that the forgoing information is true and accurate. I understand that if any portion of this information is false or materially misleading, any conditional use permit issued in reliance upon this information is voidable at the election of Redwood County.

Land Owner Signature:  **Date:** 23/06/2025

Office Use Only: * The section below is to be filled out by the Environmental Office Staff

Permit Fee: \$700.00 **Receipt #:** 32884 **Date Approved:** _____

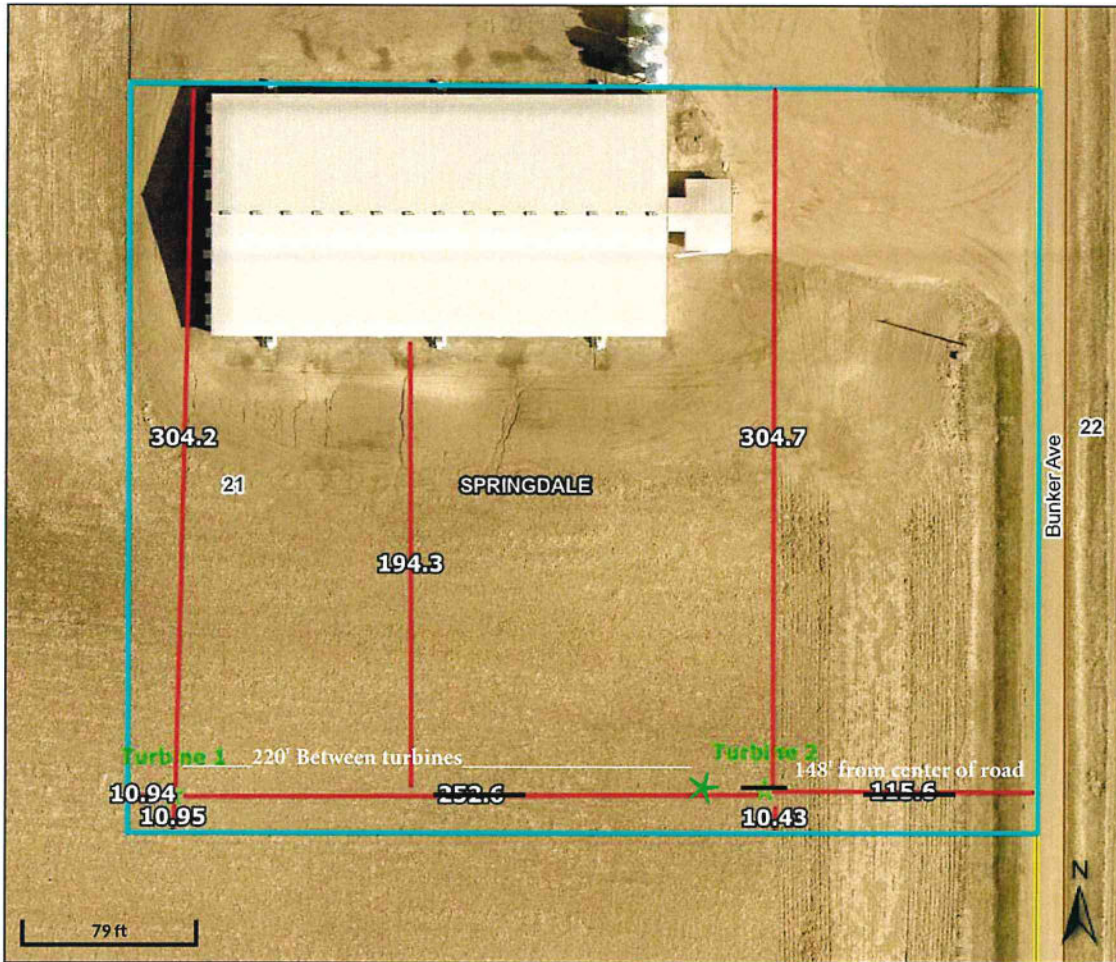
Application Received: _____

Commission Action:		County Board Action:	
Approved: _____	Date: _____	Approved: _____	Date: _____
Disapproved: _____	Date: _____	Disapproved: _____	Date: _____

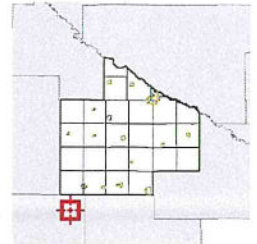
CUP 6-25

Legal Description

All that part of the Southeast Quarter of Section 21, Township 109 North, Range 39 West, Redwood County, Minnesota, being more particularly described as follows: Commencing at the northeast corner of said Southeast Quarter; thence South 00 degrees 00 minutes 00 seconds East, assumed bearing, along the east line of said Southeast Quarter, a distance of 920.00 feet to the point of beginning; thence continuing South 00 degrees 00 minutes 00 seconds East, along said east line, a distance of 326.70 feet; thence North 90 degrees 00 minutes 00 seconds West a distance of 400.00 feet; thence North 00 degrees 00 minutes 00 seconds East a distance of 326.70 feet; thence North 90 degrees 00 minutes 00 seconds East a distance of 400.00 feet to the point of beginning.



Overview



Legend

- Municipal Boundaries
- Surrounding Counties
- Townships
- Parcels
- Major Roads**
- State/Federal
- County
- County/Twp/City
- Minor Roads

Parcel ID	66-021-4030	Alternate ID	n/a	Owner Address	FNR LLC
Sec/Twp/Rng	21-109-39	Class	AGRICULTURE		12167 ASPEN AVE
Property Address		Acreage	3.0		TRACY MN 56175
	TOWN OF SPRINGDALE				
District	n/a				
Brief Tax Description	326.70' BY 400' TR IN SE1/4 NE1/4 SE1/4 3A				
	(Note: Not to be used on legal documents)				

Date created: 6/23/2025
 Last Data Uploaded: 6/23/2025 11:26:02 AM

Developed by **SCHNEIDER**
 GEOSPATIAL

Conditions for Permit No. 6-25 (Lane Albrecht – FNR LLC)

1. The permit holder shall comply with all applicable laws, rules, and regulations, including but not limited to Redwood County Code, as hereafter amended from time to time.
2. The permit holder shall allow the Redwood County Environmental Office to inspect the site of the project for all purposes permitted by law whenever deemed necessary by the Redwood County Environmental Office.
3. The permit holder shall contact all relevant local, state, and federal authorities/entities and inquire as to whether a permit and/or license is required. If a permit and/or license is required, the permit holder shall apply for and obtain any and all required permits and/or licenses. A copy of all such permits and/or licenses shall be provided to the Redwood County Environmental Office.
4. The permit holder shall not allow the conditional use to be injurious to the use and enjoyment of other property in the immediate vicinity for the purposes already permitted. The permit holder shall not allow the conditional use to impede the normal and orderly development and improvement of surrounding vacant property for uses predominant to the area. Adequate measures shall be taken to prevent or control offensive odor, fumes, dust, noise and vibration, so that none of the foregoing will constitute a nuisance now or in the future.
5. All waste, refuse, and the like generated by or from the conditional use shall be disposed of in the manner provided by the applicable local, state, and federal statutes, rules, and regulations.
6. Adequate utilities, access roads, drainage, and other necessary facilities will be provided and continue to be provided by the permit holder now and in the future.
7. A decommissioning agreement, meeting the requirements of Redwood County Code, shall be submitted to the Environmental Office prior to commencement of construction.
8. A written and notarized statement from a licensed professional engineer, certifying that all components satisfy engineering standards, all components are compatible, the WECS will be structurally sound, and the soil on which it will be constructed is suitable, shall be submitted to the Environmental Office prior to commencement of construction.
9. The permit holder shall hold a preconstruction meeting, as required by Redwood County Code.
10. The Redwood County Planning Commission shall review the conditional use permit and shall be authorized to take any and all necessary action(s), including but not limited to revoking the conditional use permit and/or requiring the permit holder to reapply for a conditional use permit, if: 1) The Redwood County Environmental Office acquires information previously unavailable that indicates the terms and conditions of the permit do not accurately represent the actual circumstances of the permitted facility or the conditional use; 2) It is discovered subsequent to the issuance of the permit the permit holder failed to disclose all facts relevant to the issuance of the permit or submitted false or misleading information to the Redwood County Environmental Office, the Redwood County Planning Commission, or the Redwood County Board of Commissioners; 3) The Redwood County Environmental Office determines the permitted facility or conditional use endangers human health or the environment; and/or (4) The permit holder violates any of the herein described conditions, the Redwood County Ordinances, State statutes, or Federal laws.

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED


Project Description / Narrative:

We are proposing the installation of two small non-commercial Eocycle Technologies, Wind Turbine System 105' in height and Rated @ 19.9 kW each

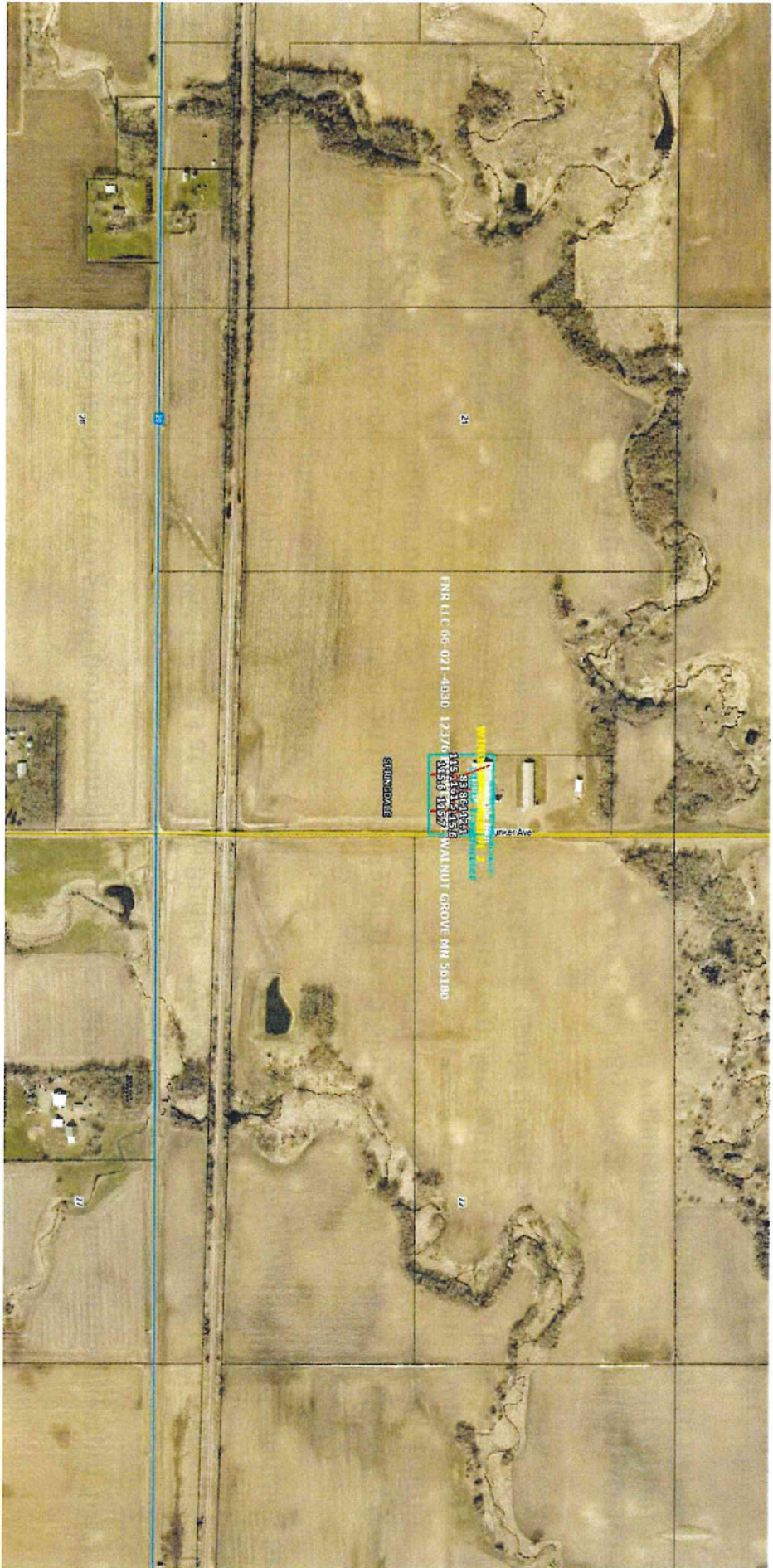
The Wind Turbine Generators (WTG) is to be located at 12376 Bunker Ave Walnut Grove, MN 56180, and will utilize two areas of <0.015 Acres (30' x 30') piece of land. The wind turbine rotor blade diameter is 50 feet, with the highest physical point (Blade Tip) being 105 feet. The turbine rotor/generator are variable speed depending on the wind conditions, with a maximum speed of 53 RPM.

There is no impact of the proposed WECS location on the ability of the adjoining property owners to site WECS on their property, and no impacts on nearby WECS. The wind turbines will meet a minimum of 115' setback from Road R/W, and a minimum of 10' setback from neighboring property lines. There is no interference with area microwave or communication towers & the wind turbines small size is complies with FAA regulations, and there are no affected wetlands, scenic and natural areas or shoreland of the proposed WECS.

The Eocycle wind turbine has automatic safety controls to self-protect in high winds, is certified to the necessary utility interconnection standards, and will be installed to all local codes and requirements. Once completed the system will be inspected and approved by the Electric Utility, and a MN state electrical inspector prior to being put into service.

		FNR LLC, Jay Fultz	
12376 Bunker Ave Walnut Grove, MN 56180		DWG NAME General Project Summary	
SIZE 1 : 1	DATE	SCALE 1 : 1	REV 0
SHEET		1 of 11	

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED



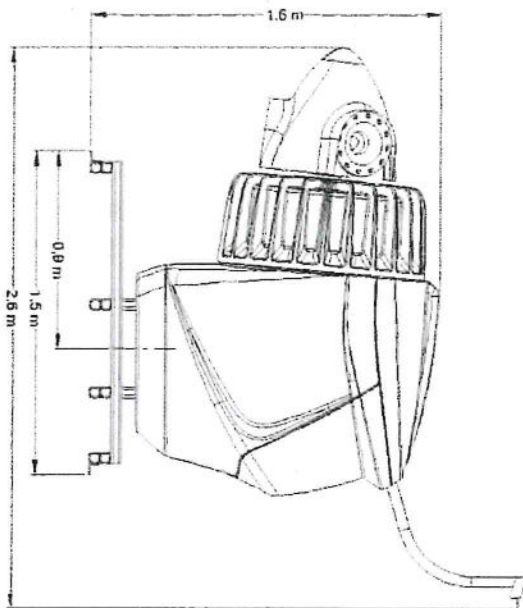
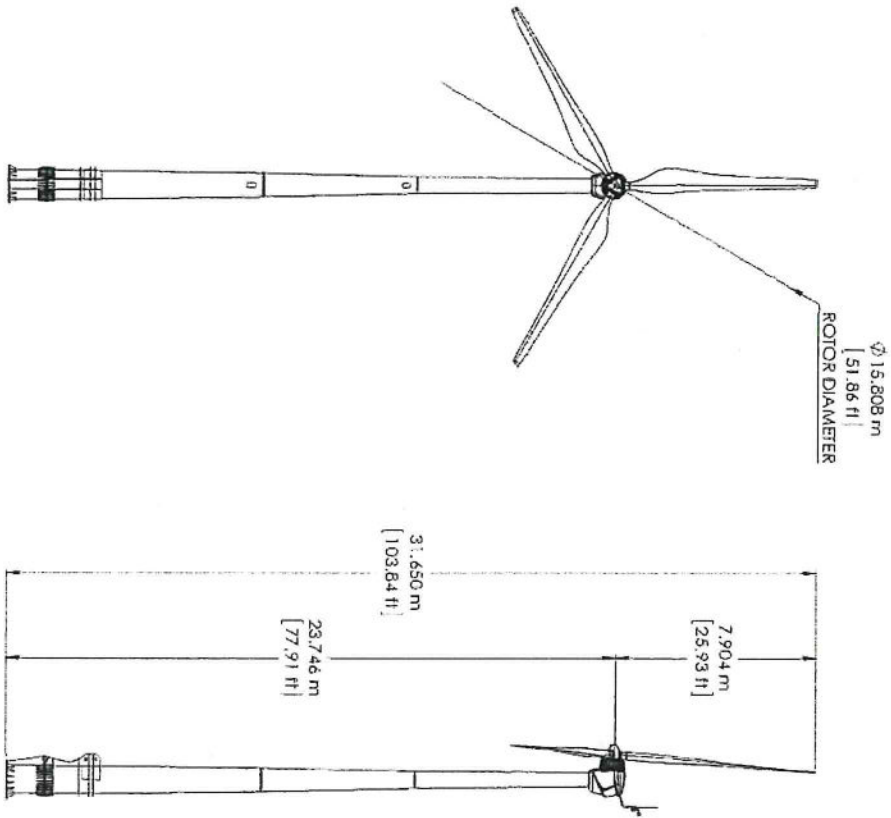
Note: Site Project Location identified, with multiple nearby cross streets.

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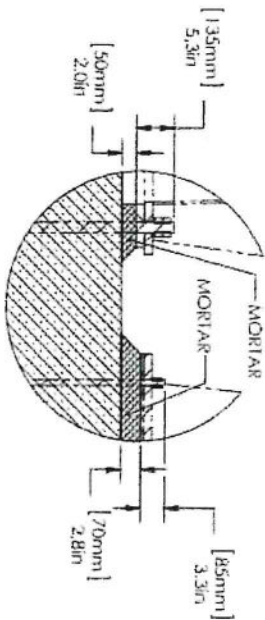
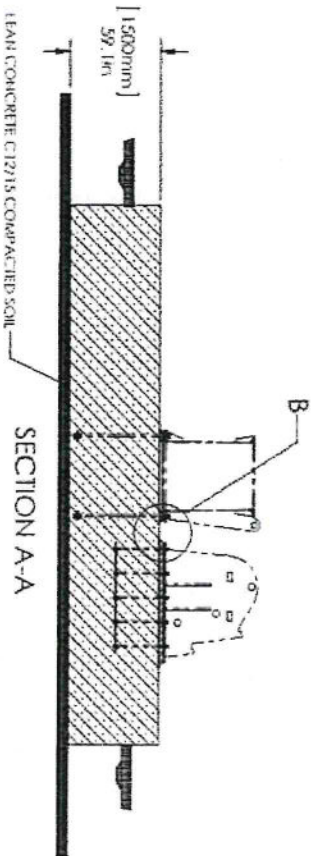
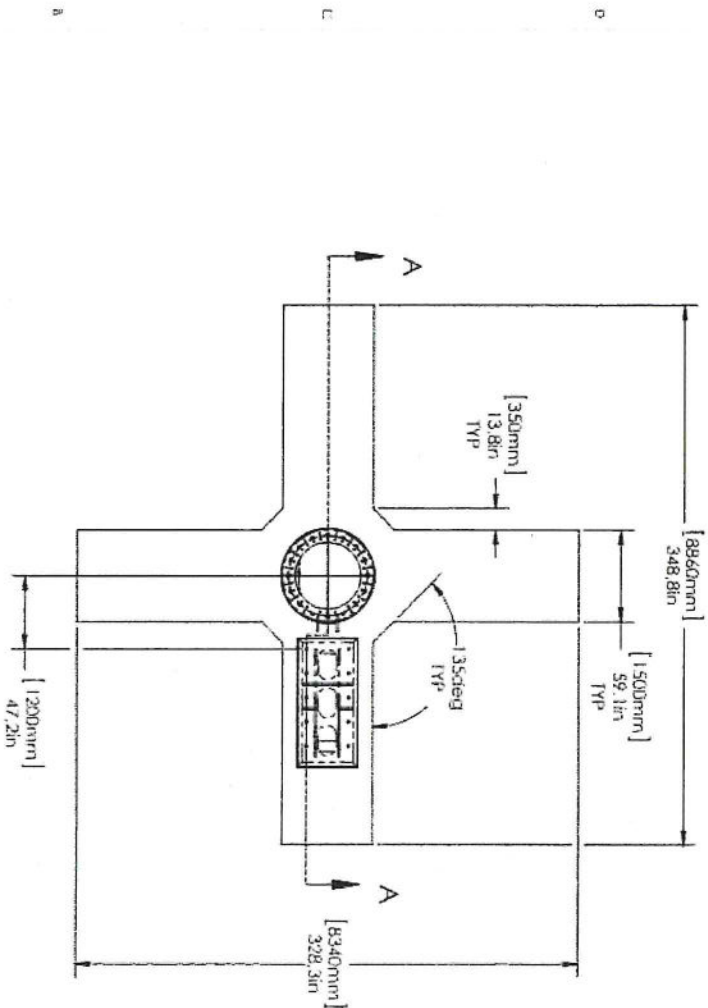
REV
0



REVISIONS		DATE	APPROVED
ZONE	REV	DESCRIPTION	



		700 Colorado Boulevard, Suite 293, Denver, Colorado 80206	
AMERICA CORPORATION	SIZE	DWG NAME	REV
CORPORATION	1:1	Wind Turbine Elevation(s)	0
BY: T. Atkinson	SHEET	7 of 11	



DETAIL B
SCALE 1:15

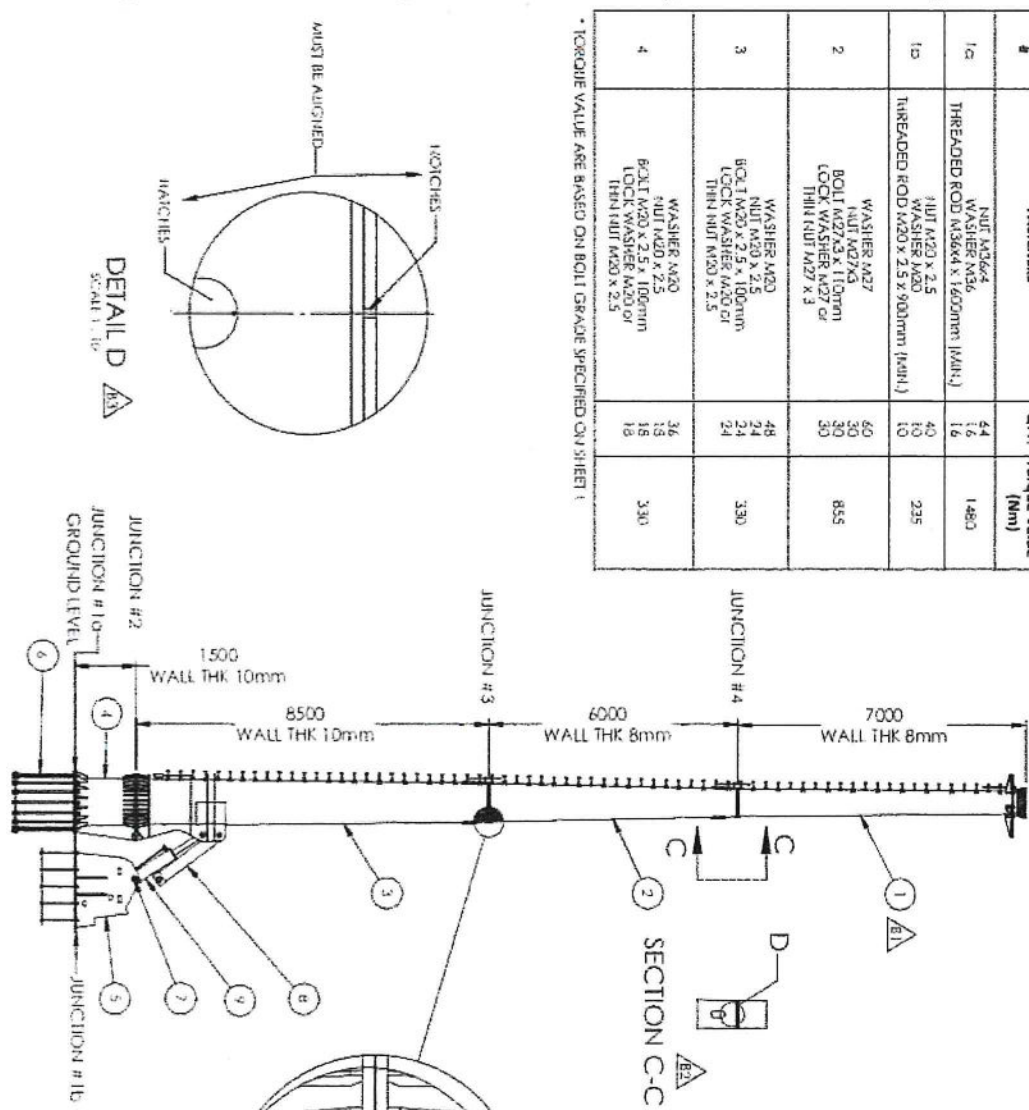


eocycle
 EOCYCLE WIND TOWER - JAC FOUNDATION
 SCALE 1:15
 DRAWN BY: T. ALKINSON
 CHECKED BY: B. HARRIS
 DATE: 10/20/11
 PROJECT: EOCYCLE WIND TOWER - JAC FOUNDATION
 SHEET: 9 OF 11

AMERICA CORPORATION	SIZE	TOWER FOUNDATION DETAILS	REV
	SCALE	BY: T. Alkinson	0
	1:1	SHEET	9 of 11

JUNCTION #	FASTENERS	QTY.	Assigned Torque Value* (Nm)
1c	NUT M36x4 WASHER M36 THREADED ROD M36x4 x 1600mm (MIN.)	44 16 16	1480
1d	NUT M20 x 2.5 WASHER M20 THREADED ROD M20 x 2.5 x 900mm (MIN.)	40 40 10	235
2	WASHER M27 NUT M27x3 BOLT M27x3 x 110mm LOCK WASHER M27 or THIN NUT M27 x 3	40 30 30 30	855
3	WASHER M20 NUT M20 x 2.5 BOLT M20 x 2.5 x 100mm LOCK WASHER M20 or THIN NUT M20 x 2.5	48 24 24 24	330
4	WASHER M20 NUT M20 x 2.5 BOLT M20 x 2.5 x 100mm LOCK WASHER M20 or THIN NUT M20 x 2.5	36 18 18 18	330

* TORQUE VALUE ARE BASED ON BOLT GRADE SPECIFIED ON SHEET 1



DETAIL D
SCALE 1:10

DETAIL A
SCALE 1:10

ITEM #	PART NUMBER	DESCRIPTION	WEIGHT (kg)	QTY
1	140071	LOWER 10" SECTION ASST WITH PECS	950.0	1
2	140072	LOWER MIDDLE SECTION ASST WITH PECS	1000	1
3	140073	LOWER BOTTOM SECTION ASST WITH PECS	2000	1
4	140074	LOWER IN SECTION ASST	950	1
5	140075	LOWER BRING STRUCTURE ASST	1420	1
6	140076	LOWER FOUNDATION/CLIMB ASST	495	1
7	140077	CONCRETE	20	4
8	140078	SHIRT ASSEMBLY	200	1
9	M36x4-300	METABOLIC CHIMNEY	500	1
10	140077	SUPPORT PLATE	5	1
11	140070	SECTION PLATFORM ASST	3	4

ITEM #	PART NUMBER	DESCRIPTION	WEIGHT (kg)	QTY
12	140071	HEB BOLT 24x10 GAL	8.80	143
13	140072	WASHER 3/4 GAL	1.30	70
14	140073	HEB BOLT 12x8 GAL	38.64	70
15	020724500	HEB BOLT M20x2.5 2P CL10.9	0.31	20
16	016504136	WASHER M27 2P CL10.9	0.27	80
17	016504136	HEB BOLT M27x3 x 110mm 2P CL10.9	0.48	10
18	016507401	HEB BOLT M20x2.5 x 100mm 2P CL10.9	0.22	10
19	140070	HEB BOLT M20x2.5 x 100mm 2P CL10.9	0.22	1

AMERICA CORPORATION

23m Tower Details

SCALE: 1:1

BY: T. ATKINSON

SHEET 10 of 11

REV: 0

ecocycle

AMERICAN CORPORATION

23m Tower Details

SCALE: 1:1

BY: T. ATKINSON

SHEET 10 of 11

REV: 0



Subject: EO25 Wind Turbine RFI/EMI Statement

June 30, 2020

To Whom it may concern,

This letter is to formally state that the EO25 Wind Turbine System will not pose any RFI or EMI impacts to any nearby or local equipment.

All the power and control wiring is installed using fully shielded cable/conductors. All the conductor shields are bonded to a solid Earth grounding electrode system, thus eliminating any radiated RF emissions.

The turbine generator housing is also shielded due to its' metal housing structure provide a complete Faraday cage, eliminating the potential for any RF emissions.

Respectfully,

Trevor Atkinson
Project Manager
Eocycle America Corporation



**Subject: Eocycle Wind Turbine De-Commissioning Plan
Statement**

To whom it may concern,

Once the useful life of the Eocycle Wind Turbine has been reached, it is understood that the removal of the turbine system from the site will be the responsibility of the land owner. The tower structure and nacelle will be lowered, disassembled and transported to a local metals recycling facility. The remaining non- metal materials/elements will be disposed of via traditional waste methods in accordance with all applicable local, state and federal regulations. This effort is expected to require 2 workers, a tractor/fork lift or excavator, and trucking services to the disposal facilities. Time estimate to perform the described scope is one day. All WECS and accessory facilities will be removed four (4) feet below grade within 90 days of discontinuation of use.

10250, Louis-H. Lafontaine
Montréal (Québec) Canada H1J 2T3
T.514 353-1551 F.514-353-1533
eocycle.com



Subject: EO25 Wind Turbine Noise Statement

July 15, 2020

To Whom it may concern,

Per the MN noise standards, 7030.004, under classification zone 3 (Agricultural and related activities:7030-0050) listed below, the following maximum acoustic signature is acceptable, 75-80 dBA.

MN 7030 Noise standards.

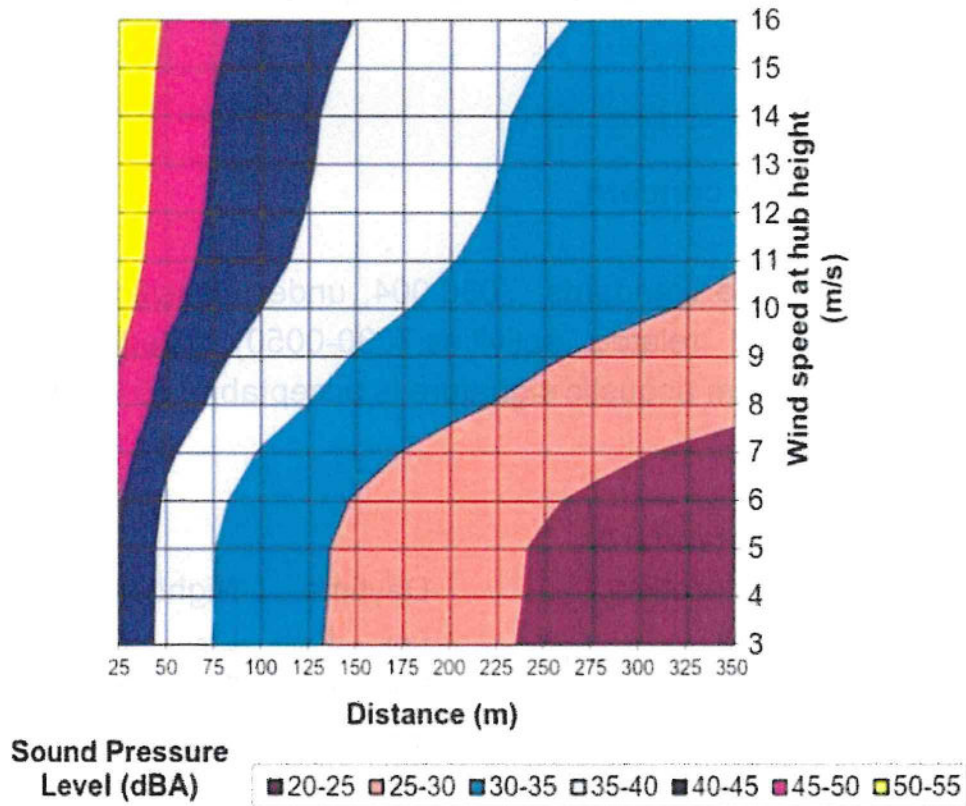
Noise Area Classification	Daytime		Nighttime	
	L ₅₀	L ₁₀	L ₅₀	L ₁₀
1	60	65	50	55
2	65	70	65	70
3	75	80	75	80

Statutory Authority:

MS s [116.07](#)

Per the previously provided 3rd party acoustic emission data graph below, it can be seen that at the closest property line (~114' - ~35m) from the turbine system, the sound pressure will range from 40-55 dBA (Blue, Pink & Yellow graphed data) at that location depending upon the current wind speed range of 3-16 meters/second.

IMMISSION NOISE MAP (dBA)



Conclusion: As indicated the EO25 turbines' acoustic signature is easily well below the required 75 & 80 dBA maximum allowable requirements as measured at the closest property line to the turbine.

Respectfully,

Trevor Atkinson
Eocycle America Corporation

CERTIFICATE

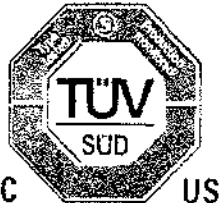
No. U8V 16 11 97036 002



Holder of Certificate: Eocycle Technologies Inc.
7665 Larrey Street, Suite 201
Montreal QC H1J 2T7
CANADA

Production Facility(ies): 97241

Certification Mark:



Product: Power Conversion Equipment
Power Converter Control Unit (CCU)

Model(s): EOCYLE 25 Converter Controller Panel

Parameters:

Rated Voltage:	480Vac, 3 phase + GND
Rated Frequency:	50/60Hz
Rated current:	30A
Protection class:	I

Tested according to: CAN/CSA-C22.2 No. 14:2013-03
UL 1741:2010/R:2015-01

The product was voluntarily tested according to the relevant safety requirements noted above. It can be marked with the certification mark above. The mark must not be altered in anyway. This product certification system operated by TÜV SÜD America Inc. most closely resembles system 3 as defined in ISO/IEC 17067. Certification is based on the TÜV SÜD "Testing and Certification Regulations". TÜV SÜD America Inc. is an OSHA recognized NRTL and a Standards Council of Canada accredited certification body.

Test report no.: 7169001184-000



Date, 2016-11-30

Page 1 of 2

Attachment to Certificate U8V 16 11 97036 002

EOCYCLE Technologies Inc.
7665, Larrey Street, Suite 201
Montreal, Quebec, H1J 2T7, Canada

**Conditions of Acceptability:**

- 1) The CCU is to be used in a heated, indoor controlled environment. The CCU must be installed in clean environment according to enclosure classification. Cooling air must be clean, free from corrosive materials and electrically conductive dust.
- 2) The equipment has been investigated for continuous operation at a maximum operating ambient temperature of 40°C at an altitude up to 2000 meters and relative humidity levels from 5-90%, non-condensing.
- 3) The equipment has been evaluated for use in pollution degree 2 environments.
- 4) The equipment is to be installed by qualified personal in accordance with local/national installation/wiring requirements.
- 5) The equipment not evaluated for use in hazardous (classified) environments.
- 6) The equipment not evaluated for use with flammable liquids or materials.
- 7) Evaluated for use on branch circuits protected at 70 A, if used on circuits with protection at higher levels, additional evaluation may be required.
- 8) The input cable must be protected with fuses. Circuit breakers must not be used without fuses in the USA. Suitable IEC (class aR) fuses and UL (class T) fuses are listed in the hardware manual.
- 9) For installation in the United States and Canada, branch circuit protection must be provided in accordance with the National Electrical Code (NEC) and Canadian Electrical Code (CEC), respectively, and any applicable local codes. To fulfil this requirement, use the UL classified fuses.
- 10) The Converter Control unit is evaluated for use only with an ABB Inverter Model ABB ACS800-U11-0050-05+E202+K457 and Line Filter: Marcus MLRC0080P40, 80A, 600Vac, 60Hz, 0.4mH, Class F, Type 1 Enclosure, CSA Certification; cCSAus file reference 105195

Test Report No: 7169001184-000

Date, 2016-11-30

Subject: EO25: Eocycle Technologies inc 25 kW wind turbine

To Whom it may concern,

Eocycle Technologies Inc. has designed and manufactures the EO25 a 25 kW Distributed Wind (DW) Turbine System.

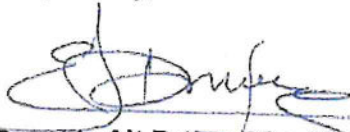
The EO25 is an up-wind direct drive stall regulated wind turbine configuration. It is designed for clean wind energy production behind the meter and directly connected to the power grid. Power produced is instantaneously consumed locally by the customer's loads and any excess of energy is exported to the grid. Once commissioned, the wind turbine operates 100% autonomously and is programmed to start and stop depending on the wind and environmental conditions and includes all industry safety protocols to protect its integrity for decades of safe and reliable operation.

The EO25 wind turbine system is designed and certified to several national (AWEA 9.1) and international (IEC 61400) safety, design and performance standards, as well as the, the gold standard in North America concerning inter-connection with the national electric grid, UL1741. These multiple certifications include a third party structural design review and accredited testing (performance and duration testing, etc.).

The EO25 design included the turbine nacelle, tower and the foundation based on state of the art standards commonly in use in the wind turbine industry.

The wind turbine is easy to erect and do not need any cranes, thanks to Eocycle's hydraulic tilt-up tower. Installers engaged for the EO25 installation receive an onsite training with supervision of an Eocycle representative.

Respectfully,

A handwritten signature in black ink, appearing to read "Bouaziz Ait Driss", written over a horizontal line.

**Bouaziz Ait Driss, BSc, MSc
Chief Operations Officer**

Attached Certificates: IEC 61400, AWEA 9.1 and UL 1741

TECHNICAL SPECIFICATIONS

EOX S16 Class S wind turbine

	CHARACTERISTIC	SPECIFICATION
Main Data	Model	EOX S 16-19.9
	Design class	IEC Class S wind turbine
	Design life	30 years minimum without major component replacement
	Rated power	19.9 kW
	Wind speed	Average annual wind speed 7.5 m/s (27 km/h)
	Cut-in Cut-out wind speed	2.5 m/s (9.9 km/h) 20 m/s (72 km/h)
	Extreme wind speed	42.0 m/s (150 km/h), 3-second average
	Operating temperature	-20 °C to 40 °C (-4 °F to 104 °F)
	Lightning protection	Lightning rod, surge protection devices, grounding system
	Certiications	IEC 61400-2, SWT-1, UL 1741, CE, CSA 22.2, G59/3
Rotor	Rotor diameter	15.8 m
	Swept area	196 m ² (2112 ft ²)
	Rotor speed	Variable, up to ~50 rpm
Generator	Type	Transverse Flux Synchronous Permanent Magnet Generator Eocycle-C5000
	Model	3-phase
	Generator	415 V, 42.4 Hz, 1.25 service factor
	Drivetrain	Direct drive (no gearbox)
	Generator enclosure and insulation	Totally enclosed, weather-proof, class F insulation, IP56, maintenance free
Power Converter	Type	Grid-tied / utility-interactive (Single phase sites require static phase converter)
	Converter model	ABB ACS800-11 or equivalent
Control System	Converter output	3-phase, 380 V to 500 V, 50/60 Hz, 30A, Power Factor 0.99
	Controller model	Mita Teknik WP130 MKII
	Advanced features	Data logging and direct integration with safety system
	SCADA/Monitoring system	EOXScada, web and mobile application
	Control strategy	Maintenance free active stall-regulated
Yaw System	Type	Active hydraulic slew drive
Materials	Steel components	High quality, as per ASTM standards
	Corrosion protection	Hot-dip galvanized or zinc-coated, as per ASTM standards
Braking System	Normal operation	Combination: 1) generator torque 2) stall blade design 3) active yaw-assist
	Emergency rotor brake	Fail-safe hydraulic disk brake
Blade	Model	Eocycle S Rev.2
	Design	Fixed-pitch (no moving parts)
	Length	7.6 m (24.9 ft.)
Tower	Hydraulic tower - hub height	16.8 m. (55.1 ft.) or 23.8 m. (78.1 ft.)
	Finish	White paint

Certificate of Conformity

By the product certificate number:

No. 2614/0843/3/E3-CT/E1/EXT

Issued to:

License holder: EOCYCLE TECHNOLOGIES Inc.
10250 Louis-H. Lafontaine
H1J 2T3 Montréal, Quebec, Canada

Trademark:

EOCYCLE 

Manufacturer:

EOCYCLE TECHNOLOGIES Inc.
10250 Louis-H. Lafontaine
H1J 2T3 Montréal, Quebec, Canada

It is certified that the product:

Type: Small Wind Turbine

Models: Family: EOX S-16

Models: EO20 / EO25

Technical Data:
(see pages 2 and 3 for
more information)

Wind class		III	
AWEA Rated power	22.5 kW (EO20)		28.9 kW (EO25)
AWEA Annual Energy	64.92 MWh (EO20)		70.06 MWh (EO25)
AWEA Sound Level	44.3 dBA (EO20)		43.5 dBA (EO25)
Electrical network		See page 2	
Firmware version		MT - P14533	

Is in compliance with the standard:

AWEA 9.1: 2009 "Small Wind Turbine Performance and Safety Standard"

This certificate is based upon the conformity statements mentioned in page 2 and their associated evaluation reports.

The above-mentioned generating units are certified according to the SGS internal procedure No. PE.T-ECPE-21 based on the requirements of the UNE-EN ISO/IEC 17065.

Changes in the design or in the quality management system of the manufacturer without previous consent from SGS TECNOS imply the cancellation of the certification.

This certificate supersedes the certificate No. 2614/0843/3/E3-CT/EXT.

First issued on 21st March of 2017.

This certificate is valid until 21st March of 2026.

Madrid, 17th March 2023



Daniel Arranz Muñoz
Certification Manager



Certificate of Conformity

Conformity Statements:

Design basis evaluation conformity statement	2614/0843/3-CBE-DC/E3	(2020/03/16)
Design evaluation conformity statement	2614/0843/3-DE-DC/E3	(2020/03/16)
Type test conformity statement	2614/0843/3-TT-DC/E3	(2020/03/16)
Type characteristics conformity statement	2614/0843/3-TC-DC/E3	(2020/03/16)
Manufacturing conformity statement	2614/0843/3-ME-DC/E3	(2020/03/16)
Final evaluation report	2614/0843/3-GE/E3	(2020/03/16)

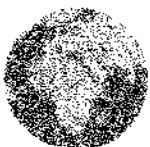
WIND TURBINE INFORMATION:

Machine parameters:

Power regulation:	Stall regulated
Rotor orientation:	Upwind
Number of rotor blades:	3
Tilt angle:	5 deg
Cone angle:	0 deg
AWEA Rated power (kW):	22.5 (EO20) / 28.89 (EO25)
Rated wind speed V_r :	37.5 m/s
Rotor diameter:	15.81 m
Hub height(s):	23.753 m / 16.753 m
Hub height operating wind speed range V_{in} - V_{out} :	3-20 m/s
Design lifetime:	20 years

Wind conditions:

Wind class	III
Characteristic turbulence intensity I_{ref} at $V_{hub}=15$ m/s:	18 %
Annual average wind speed at hub height V_{ave} :	7.5 m/s
Reference wind speed V_{ref} :	42.5 m/s
Mean flow inclination:	8.0 °
Hub height 50-year extreme wind speed V_{e50} :	52.5 m/s
Hub height 1-year extreme wind speed V_{e1} :	39.375 m/s



Certificate of Conformity

Electrical network conditions:

Normal supply voltage and range:	400 / 480 Vac
Normal supply frequency and range:	50 / 60 Hz
Voltage imbalance:	Max. 25 %

Other environmental conditions:

Air density:	1.27 kg/m ³
Solar radiation:	N/A
Temperature range:	-20 °C to +40 °C





U.S. Department of Transportation
Federal Aviation Administration

Notice of Proposed Construction or Alteration

Aeronautical Study Number
No ASN Set

Status:

1. Sponsor

Name: ALBRECHT WIND ENERGY LLC
Attn of: LANE ALBRECHT
Address: 2305 Williams Parkway Southwest
City: WILLMAR State: MN Zip: 56201
Country: US
Phone: 1-320-841-0436 Fax:

9. Latitude: See Collected Point(s)
10. Longitude: See Collected Point(s)
11. Datum: See Collected Point(s)
12. Nearest: City: Walnut Grove State: Minnesota
13. Nearest Public-use or Military Airport or Heliport: TRACY MUNI (TKC)
14. Distance from #13. to Structure: 20552 ft.
15. Direction from #13. to Structure: 111 deg

2. Sponsor's Representative

Name: LANE ALBRECHT
Attn of: LANE ALBRECHT
Address: 2305 Williams Parkway Southwest
City: Willmar State: MN Zip: 56201
Country: US
Phone: 1-320-841-0436 Fax:

16. Site Elevation (SE): See Collected Point(s)
17. Structure Height (AGL): See Collected Point(s)
18. Overall Height (#16 + #17) (AMSL): See Collected Point(s)
Current Overall Height (#16 + #17) (AMSL): See Collected Point(s)
19. Previous FAA Aeronautical Study Number (if applicable):

3. Notice of: Construction

4. Duration: Permanent (Months: Days:)

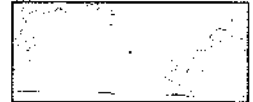
5. Work Schedule: N/A

6a. Type: Wind Turbine 6b. Name: Fultz Bunker Ave

7. Preferred Marking/Lighting: White Paint Only/No Lighting

20. Description of Location:

Rural Farmland



Processed 7460-2 Forms :

Supplemental Form 7460-2 :

Current Marking/Lighting:

8. FCC Antenna Registration Number (if applicable):

21. Description of

Frequencies:

Specific Frequencies:

Proposal:	LOW μ F	HIGH μ F	ERP	LOW μ F	HIGH μ F	ERP
two small non-commercial wind turbines to power livestock barns. tower height total is 104' to blade tip at highest point.						


Collected Point(s):

Label	Latitude	Longitude	Datum	AGL	SE	SE Validation	SE Comments
pt-1	44 13 43.20N	95 32 03.19W	WGS 84	104 ft	1286 ft	PASSED	

Notice is required by 14 Code of Federal Regulations, part 77 pursuant to 49 U.S.C., Section 44718. Persons who knowingly and willingly violate the notice requirements of part 77 are subject to a civil penalty of \$1,000 per day until the notice is received, pursuant to 49 U.S.C., Section 46301(a)

I hereby certify that all of the above statements made by me are true, complete, and correct to the best of my knowledge. In addition, I agree to mark and/or light the structure in

Parcel ID	NAME	C/O	Address	Address 1	CITY	STATE	ZIP
660212060	BUYSSE/LAWRENCE/R/LT ETAL		601 E HOLLETT ST		TRACY	MN	56175
669960040	DAKOTA MN & E RAILROAD CORPORATION		427 W 12TH ST		KANSAS CITY	MO	64105
660222020	DALLENBACH/DENNIS M & JUDITH A		19235 CO HWY 5		WALNUT GROVE	MN	56180
660211020	EDWARDS/GORDON H & MARLYS J/R/L	% GORDON H & MARLYS J EDWARDS	237 TEPEEOTAH RD		TRACY	MN	56175
660214030	FNR LLC		12167 ASPEN AVE		TRACY	MN	56175
660213020	FULTZ/DENNIS O/R/LT ETAL		2 OWANKA LN		TRACY	MN	56175
660223030	FULTZ/FERIC/R/LT		10061 150 ST		TRACY	MN	56175
660213040	FULTZ/JAYSON OREN		12167 ASPEN AVE		TRACY	MN	56175
660281040	HAENSEL/PAUL D & PHYLLIS/ETAL		1647 NE CROSSTOWN BLVD		HAM LAKE	MN	55304
660281020	MALMBERG/DALE S & MERNA S		11834 BUNKER AVE		WALNUT GROVE	MN	56180
660272020	ZEUG/MICHAEL R		13250 CO HWY 20		WALNUT GROVE	MN	56180
	SPRINGDALE TOWNSHIP BOARD OF SUPERVISORS	% Merna S. Maimberg, Clerk	11834 Bunker Ave.		Walnut Grove	MN	56180
APPLICANT	Albrecht Wind Energy	% Lane Albrecht,	2305 Williams Parkway SW		Wilmot	MN	56201

TO: Whom It May Concern
FROM: Jeanette Pidde 
Land Use and Zoning Supervisor
Redwood County Environmental Office
DATE: July 15, 2025
RE: Notice of Public Hearing on Application for
Conditional Use Permit



Please find enclosed a Notice of Public Hearing regarding an Application for Conditional Use Permit submitted by Lane Albrecht of Albrecht Wind Energy LLC, on behalf of FNR LLC pursuant to Redwood County Code of Ordinances, Title XV, Sections 153.446, 153.142, and 153.353. Mr. Albrecht is proposing to construct a non-commercial wind energy conversion system, consisting of two 19.9 kW wind turbines, on the following described real property:

All that part of the Southeast Quarter of Section 21, Township 109 North, Range 39 West, Redwood County, Minnesota, being more particularly described as follows: Commencing at the northeast corner of said Southeast Quarter; thence South 00 degrees 00 minutes 00 seconds East, assumed bearing, along the east line of said Southeast Quarter, a distance of 920.00 feet to the point of beginning; thence continuing South 00 degrees 00 minutes 00 seconds East, along said east line, a distance of 326.70 feet; thence North 90 degrees 00 minutes 00 seconds West a distance of 400.00 feet; thence North 00 degrees 00 minutes 00 seconds East a distance of 326.70 feet; thence North 90 degrees 00 minutes 00 seconds East a distance of 400.00 feet to the point of beginning.

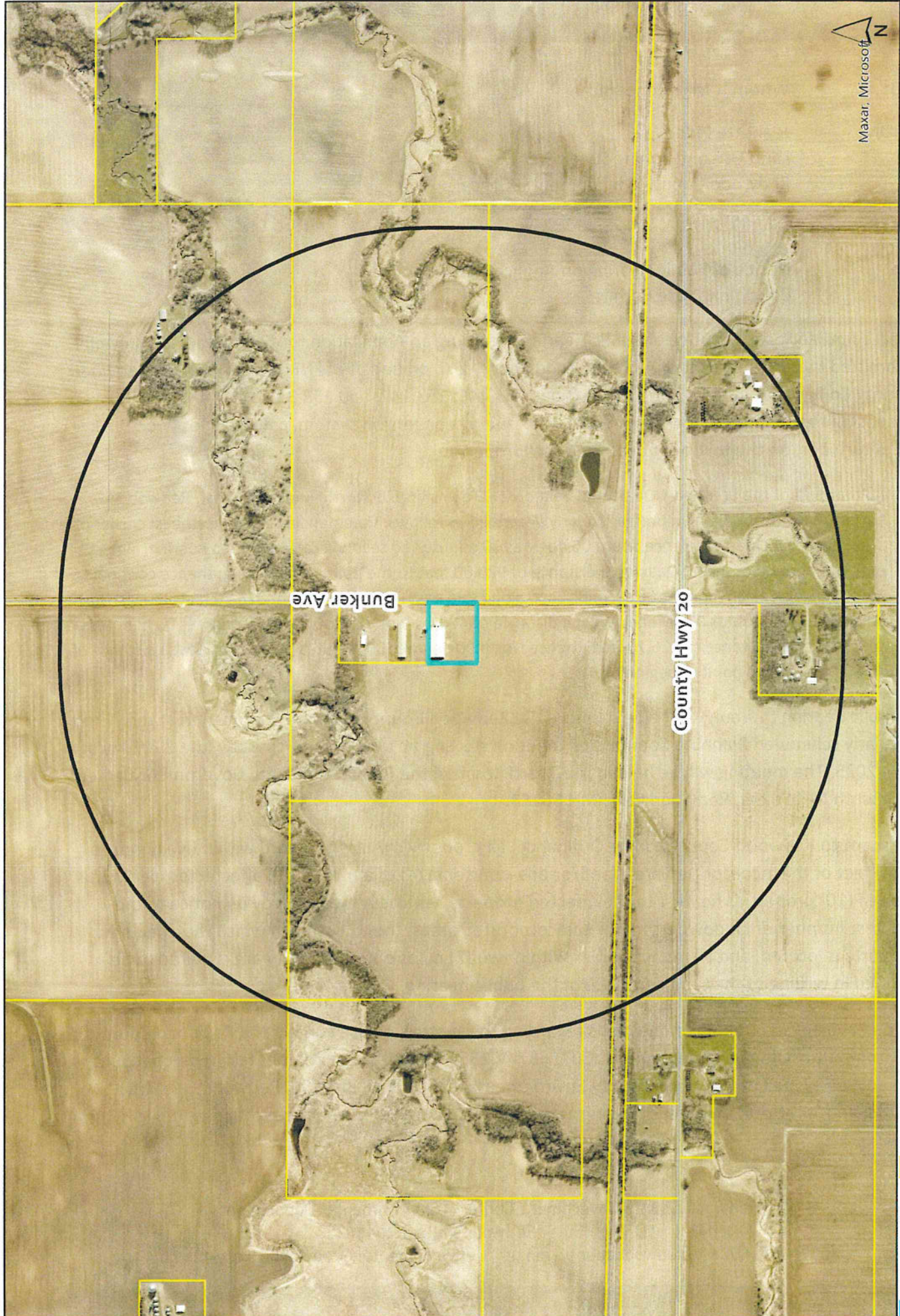
A public hearing thereon will be held before the Redwood County Planning Commission at the regularly scheduled Planning Commission meeting starting at 1:00 p.m. on Tuesday, the 29th day of July, 2025. The meeting will be held in the Board Room of the Redwood County Government Center, 403 South Mill Street, Redwood Falls, MN 56283.

Pursuant to Redwood County Zoning Ordinance, all property owners of record within five hundred (500) feet of the incorporated areas and/or one-quarter (1/4) of a mile of the affected property or the ten (10) properties nearest to the affected property, whichever would provide notice to the greatest number of landowners in the unincorporated areas, the township in which the affected property is located, and all municipalities within two (2) miles of the property are required to be notified in writing of the time and place of the public hearing.

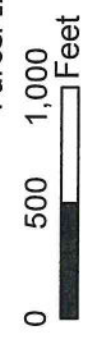
If you have any comments or questions regarding this matter, please contact the Redwood County Environmental Office by telephone at (507) 637-4023, via email at Environmental@redwoodcounty-mn.gov, or by mail at Redwood County Environmental Office, P.O. Box 130, Redwood Falls, MN 56283, and/or attend the public hearing at the time and date set forth in the Notice of Public Hearing.

enclosure

Redwood County Government Center - Environmental Department
P.O. Box 130 Redwood Falls, MN 56283
(507) 637-4023 redwoodcounty-mn.us environmental@redwoodcounty-mn.gov



Parcel ID: 66-021-4030



CUP Notice Area:
0.47 miles from selected parcel

- Selected Parcel(s)
- Notification Area
- Parcels
- County Boundary
- Municipal Boundaries
- Sections
- Roads

REDWOOD COUNTY PLANNING COMMISSION

FNR LLC

Conditional Use Permit Application #6-25

July 29, 2025



FINDINGS OF FACT

ORDINANCE CRITERIA – The Planning Commission may recommend the granting of a Conditional Use Permit in any district provided the proposed use is listed as a conditional use for the district and upon a showing that the standards and criteria stated in this Ordinance will be satisfied and that the use is in harmony with the general purposes and intent of this Ordinance and the Comprehensive Plan.

In determining whether the proposed use is in harmony with the general purposes and intent of the Ordinance and the Comprehensive Plan, the Planning Commission shall consider and make findings on the following questions:

- 1) What potential health safety and welfare impacts were raised at the hearing and why will they, or why won't they, impact the neighboring residents?

- 2) What potential impacts on area property uses were raised at the hearing and why will they, or why won't they, impact the use and enjoyment of other property in the area?

3) What potential impacts on property values or future development were raised at the hearing, and why will they, or why won't they, impact the neighboring properties?

4) What infrastructure is needed to support the proposed use and how will it be provided?

5) How do the goals, purpose and policies of the Zoning Ordinance and Comprehensive Plan apply to the proposed project?

NAME: _____

DATE: _____