



Department of Transportation  
Division of Secretariat  
Office of Air, Rail & Transit  
700 East Broadway Avenue  
Pierre, South Dakota 57501-2586  
OFFICE: 605/773-3574  
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TO: South Dakota Aeronautics Commission  
FROM: Jack Dokken, Office of Aeronautics  
DATE: May 17, 2019  
SUBJECT: Aeronautical Hazard Application  
Location: Milbank, SD

**Permit #'s 2019-4617-4618, 4620-4660, 4662, 4665, 8109-8111**

FAA Aeronautical Studies 2019-AGL-(4617, 4618, 4620-4660, 4662, 4665, 8109-8111)-OE

Crowned Ridge Wind, LLC and Crowned Ridge II, LLC is proposing to construct a new electric transmission line consisting of 48 galvanized mono pole steel structures. The proposed electric transmission line runs approximately 3.5 miles southwest to 1.75 miles NE of the Milbank airport with the closest structure located approximately 1 mile east of the primary runway. The heights of these structures range from 90 to 130 feet in height.

The FAA has determined:

- ◆ This proposal does not exceed FAA obstruction standards and would not be a hazard to air navigation.
- ◆ As per FAA requirements marking and lighting are not required.

The department is recommending Commission approval.

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SD EForm - 0941 V3

APPLICATION FOR LOCATION OF AERONAUTICAL HAZARD

State Permit #: 2019-4621

South Dakota Aeronautics Commission
Becker-Hansen Building, 700 E Broadway Avenue
Pierre, South Dakota 57501-9989
Air, Rail and Transit (605)773-3574

FAA Airspace #: See Attached

A. APPLICANT

Proponent: Crowned Ridge Wind, LLC & Juno Beach FL 33408
Proponent's Representative: NextEra Energy Resources, LLC
Address: 700 Universe Blvd. Juno Beach FL 33408
Phone: (561) 694-4729
Attention: Tyler Wilhelm

B. TYPE OF STRUCTURE

Type: New Construction
Work Schedule Dates: Begin Date: 06/01/2019 End Date: 12/31/2019

Nature and Complete Description of Structure

(Type of material, obstruction lighting and painting and any special marking):

All transmission structures are mono pole galvanized steel inline direct embedment tangents or drilled pier foundation turning structures, with tubular steel cross arm conductor supports. No obstruction lighting or special paint marking will be used.

C. LOCATION INFORMATION

Latitude: SEE ATTACHED Longitude: SEE ATTACHED Nearest City: Milbank
Dist & Direction to City: Milbank/Big Stone City; see attached

Nearest Public Use Airport:

Location Description:

Airport/City: See attached spreadsheet.
Distance & Directions to Airport: See attached spreadsheet.

See attached spreadsheet.

Height of Structure:

a. Site Elev. ft. (MSL): SEE ATTACHED
b. Structure Height: ft. (AGL):
c. Overall Height: ft. (MSL):

Nearest State Hwy & Distance to Hwy Centerline:

See attached spreadsheet.

THE UNDERSIGNED HEREBY AGREES TO SUCH FURTHER REQUIREMENTS AS THE STATE AERONAUTICS COMMISSION MAY PRESCRIBE RELATING TO MARKING, LIGHTING AND SAFETY TO THE FLYING PUBLIC AS MAY FROM TIME TO TIME BE ADOPTED BY THE COMMISSION FOR TOWERS 499' AND TALLER.

CERTIFICATION: I hereby certify that all of the above statements made by me are true, complete and correct to the best of my knowledge and belief.

Date: 04/29/2019 Name and Title: Tyler Wilhelm, Project Developer

Signature: [Handwritten Signature]

Structure Name	Latitude	Longitude	Nearest City	Distance to City (Feet)	Nearest Airport	Distance to Airport (Feet)	Site Elevation (Feet SE)	Structure Height (Feet AGL)	Total Height (Feet AMSL)	Aeronautical Study Number (ASN)	Nearest State Highway	Distance to State Hwy (Feet)
19MRO026	45 14 46.52 N	96 32 5.36 W	Milbank	17,526.2	1D1	9,892.75	1077	105	1182	2019-AGL-4665-OE	State Hwy 109	23,870.52
19MRO027	45 14 39.55 N	96 32 5.33 W	Milbank	17,298.1	1D1	9,502.09	1077	90	1167	2019-AGL-8109-OE	State Hwy 109	24,360.27
19MRO028	45 14 30.85 N	96 32 5.28 W	Milbank	17,051.0	1D1	9,068.94	1083	100	1183	2019-AGL-8110-OE	State Hwy 109	24,985.49
19MRO029	45 14 23.16 N	96 32 5.4 W	Milbank	16,856.5	1D1	8,731.50	1081	107	1188	2019-AGL-4662-OE	State Hwy 109	25,558.66
19MRO030	45 14 19.32 N	96 32 11.49 W	Milbank	16,349.1	1D1	8,181.37	1089	100	1189	2019-AGL-8111-OE	State Hwy 15	26,059.04
19MRO031	45 14 17.05 N	96 32 15.16 W	Milbank	16,046.7	1D1	7,853.78	1068	102	1170	2019-AGL-4660-OE	State Hwy 15	25,814.71
19MRO032	45 14 8.54 N	96 32 15.08 W	Milbank	15,911.4	1D1	7,599.55	1072	105	1177	2019-AGL-4659-OE	State Hwy 15	25,904.51
19MRO033	45 13 59.76 N	96 32 15.18 W	Milbank	15,806.8	1D1	7,420.57	1068	110	1178	2019-AGL-4658-OE	State Hwy 15	26,011.37
19MRO034	45 13 52.63 N	96 32 15.67 W	Milbank	15,729.2	1D1	7,322.35	1067	115	1182	2019-AGL-4657-OE	State Hwy 15	26,086.21
19MRO035	45 13 46.48 N	96 32 16.43 W	Milbank	15,664.5	1D1	7,270.23	1069	115	1184	2019-AGL-4656-OE	State Hwy 15	26,142.92
19MRO036	45 13 40.35 N	96 32 17.51 W	Milbank	15,597.1	1D1	7,248.73	1070	107	1177	2019-AGL-4655-OE	State Hwy 15	26,189.87
19MRO037	45 13 30.72 N	96 32 16.09 W	Milbank	15,723.6	1D1	7,538.98	1071	130	1201	2019-AGL-4654-OE	State Hwy 15	26,502.55
19MRO038	45 13 24.5 N	96 32 15.62 W	Milbank	15,799.8	1D1	7,756.37	1085	120	1205	2019-AGL-4653-OE	State Hwy 15	26,575.63
19MRO039	45 13 17.11 N	96 32 15.64 W	Milbank	15,881.3	1D1	8,033.61	1086	105	1191	2019-AGL-4652-OE	State Hwy 15	26,575.03
19MRO040	45 13 9.28 N	96 32 15.73 W	Milbank	16,000.6	1D1	8,386.16	1082	112	1194	2019-AGL-4651-OE	State Hwy 15	26,566.93
19MRO041	45 13 0.92 N	96 32 21.32 W	Milbank	15,787.8	1D1	8,503.24	1084	142	1226	2019-AGL-4650-OE	State Hwy 15	26,165.93
19MRO042	45 12 51.85 N	96 32 22.44 W	Milbank	15,955.3	1D1	9,008.10	1094	120	1214	2019-AGL-4649-OE	State Hwy 15	26,084.10
19MRO043	45 12 42.01 N	96 32 23.49 W	Milbank	16,205.6	1D1	9,634.33	1090	112	1202	2019-AGL-4648-OE	State Hwy 15	26,004.89
19MRO044	45 12 39.94 N	96 32 33 W	Milbank	15,647.6	1D1	9,327.69	1092	110	1202	2019-AGL-4647-OE	State Hwy 15	25,323.62
19MRO045	45 12 37.9 N	96 32 42.36 W	Milbank	15,111.1	1D1	9,070.71	1106	105	1211	2019-AGL-4646-OE	State Hwy 15	24,653.04
19MRO046	45 12 36.06 N	96 32 52.58 W	Milbank	14,524.3	1D1	8,811.94	1086	100	1186	2019-AGL-4645-OE	State Hwy 15	23,920.91
19MRO047	45 12 34.23 N	96 33 2.81 W	Milbank	13,952.6	1D1	8,610.54	1086	100	1186	2019-AGL-4644-OE	State Hwy 15	23,188.07
19MRO048	45 12 32.4 N	96 33 13.06 W	Milbank	13,397.9	1D1	8,471.40	1103	110	1213	2019-AGL-4643-OE	State Hwy 15	22,453.77
19MRO049	45 12 30.45 N	96 33 23.92 W	Milbank	12,833.2	1D1	8,397.26	1102	127	1229	2019-AGL-4642-OE	State Hwy 15	21,675.71
19MRO050	45 12 30.4 N	96 33 33.28 W	Milbank	12,274.6	1D1	8,233.14	1114	115	1229	2019-AGL-4641-OE	State Hwy 15	21,005.52
19MRO051	45 12 30.33 N	96 33 45.5 W	Milbank	11,563.5	1D1	8,098.17	1117	115	1232	2019-AGL-4640-OE	State Hwy 15	20,130.56
19MRO052	45 12 30.27 N	96 33 57.52 W	Milbank	10,886.7	1D1	8,055.50	1121	115	1236	2019-AGL-4639-OE	State Hwy 15	19,269.92
19MRO053	45 12 30.22 N	96 34 9.54 W	Milbank	10,236.8	1D1	8,103.46	1121	115	1236	2019-AGL-4638-OE	State Hwy 15	18,409.28
19MRO054	45 12 30.16 N	96 34 21.57 W	Milbank	9,620.3	1D1	8,242.62	1127	120	1247	2019-AGL-4637-OE	State Hwy 15	17,547.93
19MRO055	45 12 30.11 N	96 34 33.22 W	Milbank	9,060.8	1D1	8,458.38	1109	122	1231	2019-AGL-4636-OE	State Hwy 15	16,713.79
19MRO056	45 12 23.29 N	96 34 41.38 W	Milbank	9,249.1	1D1	9,298.83	1106	122	1228	2019-AGL-4635-OE	State Hwy 15	16,126.66
19MRO057	45 12 16.59 N	96 34 41.48 W	Milbank	9,808.7	1D1	9,943.16	1117	110	1227	2019-AGL-4634-OE	State Hwy 15	16,114.56
19MRO058	45 12 9.59 N	96 34 41.58 W	Milbank	10,408.8	1D1	10,620.82	1113	100	1213	2019-AGL-4633-OE	State Hwy 15	16,100.91
19MRO059	45 12 3.19 N	96 34 41.67 W	Milbank	10,781.0	1D1	11,243.76	1112	90	1202	2019-AGL-4632-OE	State Hwy 15	16,088.56
19MRO060	45 11 56.27 N	96 34 41.77 W	Milbank	10,919.9	1D1	11,920.40	1115	95	1210	2019-AGL-4631-OE	State Hwy 15	16,077.42
19MRO061	45 11 48.3 N	96 34 41.89 W	Milbank	11,132.3	1D1	12,703.06	1123	100	1223	2019-AGL-4630-OE	State Hwy 15	16,062.10
19MRO062	45 11 41.02 N	96 34 41.99 W	Milbank	11,373.6	1D1	13,420.36	1128	112	1240	2019-AGL-4629-OE	State Hwy 15	16,048.75
19MRO063	45 11 37.89 N	96 34 45.31 W	Milbank	11,264.1	1D1	13,785.29	1128	112	1240	2019-AGL-4628-OE	State Hwy 15	15,808.44
19MRO064	45 11 37.82 N	96 34 57.11 W	Milbank	10,474.1	1D1	14,023.99	1131	105	1236	2019-AGL-4627-OE	State Hwy 15	14,963.33
19MRO065	45 11 37.76 N	96 35 8.45 W	Milbank	9,722.2	1D1	14,296.05	1135	90	1225	2019-AGL-4626-OE	State Hwy 15	14,151.17
19MRO066	45 11 37.7 N	96 35 19.45 W	Milbank	9,001.9	1D1	14,598.47	1134	95	1229	2019-AGL-4625-OE	State Hwy 15	13,363.36
19MRO067	45 11 37.63 N	96 35 30.31 W	Milbank	8,303.3	1D1	14,932.79	1139	95	1234	2019-AGL-4624-OE	State Hwy 15	12,585.57
19MRO068	45 11 37.57 N	96 35 41.41 W	Milbank	7,604.5	1D1	15,306.79	1135	100	1235	2019-AGL-4623-OE	State Hwy 15	11,790.60
19MRO069	45 11 37.5 N	96 35 52.68 W	Milbank	6,916.9	1D1	15,719.33	1147	110	1257	2019-AGL-4622-OE	State Hwy 15	10,983.45
19MRO070	45 11 37.48 N	96 36 3.84 W	Milbank	6,259.9	1D1	16,153.06	1142	115	1257	2019-AGL-4621-OE	State Hwy 15	10,184.21

Structure Name	Latitude	Longitude	Nearest City	Distance to City (Feet)	Nearest Airport	Distance to Airport (Feet)	Site Elevation (Feet SE)	Structure Height (Feet AGL)	Total Height (Feet AMSL)	Aeronautical Study Number (ASN)	Nearest State Highway	Distance to State Hwy (Feet)
19MRO071	45 11 37.49 N	96 36 15.11 W	Milbank	5,628.4	1D1	16,616.11	1143	90	1233	2019-AGL-4620-OE	State Hwy 15	9,377.12
19MRO073	45 11 37.5 N	96 36 37.51 W	Milbank	4,539.3	1D1	17,610.99	1139	90	1229	2019-AGL-4618-OE	State Hwy 15	7,772.95
19MRO074	45 11 37.47 N	96 36 48.83 W	Milbank	4,119.6	1D1	18,149.57	1145	100	1245	2019-AGL-4617-OE	State Hwy 15	6,962.26



