

Department of Transportation  
Division of Secretariat  
Office of Air, Rail & Transit  
700 East Broadway Avenue  
Pierre, South Dakota 57501-2586  
OFFICE: 605/773-3574  
FAX: 605/773-2804

TO: South Dakota Aeronautics Commission  
FROM: Jack Dokken, Office of Aeronautics  
DATE: September 19, 2018  
SUBJECT: Aeronautical Hazard Application

**Permit #'s 2018-3741 Dante, SD**

This permit covers multiple FAA Aeronautical Studies as seen on the attached spreadsheet.

Prevailing Wind Park LLC is proposing to construct a wind farm consisting of 63 – 3.6 to 3.8 MW wind turbines and 4 MET towers. It is to be constructed approximately 7 miles northeast of Dante, SD.

The FAA has determined:

- ◆ This proposal does not exceed FAA obstruction standards and would not be a hazard to air navigation.
- ◆ All Turbine Aeronautical studies must be marked with non-glare white paint and lighted with red synchronous lights as per FAA requirements. Met tower Aeronautical studies must be marked and lit with red lights as per FAA requirements.

The department is recommending Commission approval.

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SD EForm - 0941 V3

APPLICATION FOR LOCATION OF AERONAUTICAL HAZARD

State Permit #:

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

2018-3741

FAA Airspace #: See attached

A. APPLICANT

Proponent: Prevailing Wind Park, LLC
Address: 2180 South 1300 East, Suite 600 Salt Lake City UT 84106
Phone: (415) 496-4913
Attention: Bridget Canty
Proponent's Representative: Prevailing Wind Park, LLC
Address: 2180 South 1300 East, Suite 600 Salt Lake City UT 84106
Phone: (415) 496-4913
Attention: Bridget Canty

B. TYPE OF STRUCTURE

Type: [X] New Construction [ ] Alteration [ ] Existing
Work Schedule Dates:
Begin Date: 12/01/2018
End Date: 12/31/2019

Nature and Complete Description of Structure

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

This application is for 63 wind turbines, models are GE 3.8-137 and Vestas V136-3.6MW and 4 MET towers. The blades are of carbon fiber and fiberglass construction. Turbine towers are tubular steel (not latticed) and are painted a non-glare white and will be lit with synchronized red lights and all towers to be lit per FAA regulations.

C. LOCATION INFORMATION

Latitude: See attached Longitude: See attached Nearest City: Dante
Dist & Direction to City: Project center approx 7.0 mile NE

Nearest Public Use Airport:

Location Description:

Airport/City: Wagner (AGZ)
Distance & Directions to Airport: See attached map

Turbines will be located in Charles Mix, Hutchinson and Bonne Homme counties.

Height of Structure:

- a. Site Elev. ft. (MSL)... See attached
b. Structure Height. ft. (AGL).. See attached
c. Overall Height. ft. (MSL).... See attached

Nearest State Hwy & Distance to Hwy Centerline:

See attached map

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: 9/4/18 Name and Title: Sean McBride, Authorized Person Signature: [Handwritten Signature]

Company Name: Prevailing Wind Park, LLC (sPower)										
Application Date: 09/04/2018										
Structure Name:	Latitude	Longitude	Site Elevation (ft)	AGL (ft)	Total Height (ft)	ASN	Determination	Determination Date:	Expiration Date:	Marking & Lighting Required:
1	43° 7'43.00"N	98° 3'53.42"W	1870	590	2460	2018-WTE-3877-OE	DNH	06/28/2018	12/28/2018	Yes
2	43° 7'58.76"N	98° 3'27.25"W	1802	590	2392	2018-WTE-3741-OE	DNH	05/01/2018	11/01/2019	Yes
3	43° 7'48.87"N	98° 4'31.54"W	1810	590	2400	2018-WTE-3742-OE	DNH	05/01/2018	11/01/2019	Yes
4	43° 8'11.75"N	98° 2'45.89"W	1752	590	2342	2018-WTE-3743-OE	DNH	05/01/2018	11/01/2019	Yes
5	43° 7'06.92"N	98° 4'26.73"W	1781	590	2371	2018-WTE-3744-OE	DNH	05/01/2018	11/01/2019	Yes
6	43° 8'04.96"N	98° 3'09.02"W	1770	590	2360	2018-WTE-3745-OE	DNH	05/01/2018	11/01/2019	Yes
7	43° 7'08.43"N	98° 5'07.44"W	1764	590	2354	2018-WTE-3848-OE	DNH	05/01/2018	11/01/2019	Yes
8	43° 7'50.33"N	98° 7'08.17"W	1789	590	2379	2018-WTE-3747-OE	DNH	05/01/2018	11/01/2019	Yes
9	43° 7'21.11"N	98° 6'45.67"W	1766	590	2356	2018-WTE-3748-OE	DNH	05/01/2018	11/01/2019	Yes
10	43° 4'42.51"N	98° 3'18.11"W	1740	590	2330	2018-WTE-3749-OE	DNH	05/01/2018	11/01/2019	Yes
11	43° 4'12.67"N	98° 3'15.38"W	1742	590	2332	2018-WTE-3750-OE	DNH	05/01/2018	11/01/2019	Yes
12	43° 7'17.66"N	98° 5'46.46"W	1740	590	2330	2018-WTE-3751-OE	DNH	05/01/2018	11/01/2019	Yes
13	43° 8'32.31"N	98° 1'30.53"W	1733	590	2323	2018-WTE-3752-OE	DNH	05/01/2018	11/01/2019	Yes
14	43° 3'20.39"N	98° 3'24.67"W	1700	590	2290	2018-WTE-3753-OE	DNH	05/01/2018	11/01/2019	Yes
15	43° 7'06.59"N	98° 7'28.38"W	1758	590	2348	2018-WTE-3754-OE	DNH	05/01/2018	11/01/2019	Yes
16	43° 7'26.24"N	98° 7'53.76"W	1764	590	2354	2018-WTE-3755-OE	DNH	05/01/2018	11/01/2019	Yes
17	43° 6'32.78"N	98° 5'05.84"W	1719	590	2309	2018-WTE-3756-OE	DNH	05/01/2018	11/01/2019	Yes
18	43° 9'23.74"N	98° 1'22.94"W	1714	590	2304	2018-WTE-3757-OE	DNH	05/01/2018	11/01/2019	Yes
19	43° 4'50.04"N	98° 4'17.52"W	1701	590	2291	2018-WTE-3758-OE	DNH	05/01/2018	11/01/2019	Yes
20	43° 9'39.37"N	98° 1'11.93"W	1712	590	2302	2018-WTE-3759-OE	DNH	05/01/2018	11/01/2019	Yes
21	43° 7'55.31"N	98° 1'00.99"W	1694	590	2284	2018-WTE-3760-OE	DNH	05/01/2018	11/01/2019	Yes
22	43° 6'53.89"N	98° 7'51.54"W	1737	590	2327	2018-WTE-3761-OE	DNH	05/01/2018	11/01/2019	Yes
23	43° 6'33.86"N	98° 8'07.93"W	1734	590	2324	2018-WTE-3762-OE	DNH	05/01/2018	11/01/2019	Yes
24	43° 5'05.92"N	98° 5'33.47"W	1687	590	2277	2018-WTE-3763-OE	DNH	05/01/2018	11/01/2019	Yes
25	43° 10'13.48"N	98° 0'49.28"W	1698	590	2288	2018-WTE-3764-OE	DNH	05/01/2018	11/01/2019	Yes
26	43° 8'44.66"N	98° 9'04.09"W	1694	590	2284	2018-WTE-3879-OE	DNH	06/28/2018	12/28/2018	Yes
27	43° 3'36.94"N	98° 1'08.21"W	1671	590	2261	2018-WTE-3766-OE	DNH	05/01/2018	11/01/2019	Yes
28	43° 4'38.45"N	98° 4'31.14"W	1693	590	2283	2018-WTE-3767-OE	DNH	05/01/2018	11/01/2019	Yes




29	43° 6'30.21"N	98° 5'42.07"W	1720	590	3744	2018-WTE-3768-OE	DNH	05/01/2018	11/01/2019	Yes
30	43° 10'50.68"N	98° 0'48.69"W	1693	590	2283	2018-WTE-3769-OE	DNH	05/01/2018	11/01/2019	Yes
31	43° 3'48.74"N	98° 2'23.73"W	1688	590	2278	2018-WTE-3770-OE	DNH	05/01/2018	11/01/2019	Yes
32	43° 8'00.76"N	98° 9'02.57"W	1703	590	2293	2018-WTE-3771-OE	DNH	05/01/2018	11/01/2019	Yes
33	43° 7'38.67"N	98° 0'23.59"W	1664	590	2254	2018-WTE-3772-OE	DNH	05/01/2018	11/01/2019	Yes
34	43° 3'38.63"N	98° 2'44.03"W	1675	590	2265	2018-WTE-3773-OE	DNH	05/01/2018	11/01/2019	Yes
35	43° 4'19.90"N	98° 0'24.46"W	1664	590	2254	2018-WTE-3774-OE	DNH	05/01/2018	11/01/2019	Yes
36	43° 8'52.87"N	98° 0'46.64"W	1695	590	2285	2018-WTE-3775-OE	DNH	05/01/2018	11/01/2019	Yes
37	43° 5'59.01"N	98° 6'18.34"W	1661	590	2251	2018-WTE-3880-OE	DNH	06/28/2018	12/28/2018	Yes
38	43° 2'03.79"N	98° 2'32.41"W	1626	590	2216	2018-WTE-3777-OE	DNH	05/01/2018	11/01/2019	Yes
39	43° 5'41.48"N	98° 7'29.56"W	1720	590	2310	2018-WTE-3778-OE	DNH	05/01/2018	11/01/2019	Yes
40	43° 7'53.82"N	98° 9'19.62"W	1684	590	2274	2018-WTE-3881-OE	DNH	06/28/2018	12/28/2018	Yes
41	43° 4'45.96"N	98° 7'00.48"W	1670	590	2260	2018-WTE-3882-OE	DNH	06/28/2018	12/28/2018	Yes
42	43° 2'54.66"N	98° 1'14.67"W	1647	590	2237	2018-WTE-3781-OE	DNH	05/01/2018	11/01/2019	Yes
43	43° 2'28.90"N	98° 1'57.86"W	1626	590	2216	2018-WTE-3782-OE	DNH	05/01/2018	11/01/2019	Yes
44	43° 2'42.79"N	98° 1'36.97"W	1642	590	2232	2018-WTE-3783-OE	DNH	05/01/2018	11/01/2019	Yes
45	43° 4'20.54"N	98° 6'52.86"W	1690	590	2280	2018-WTE-3784-OE	DNH	05/01/2018	11/01/2019	Yes
46	43° 9'22.15"N	98° 0'03.58"W	1652	590	2242	2018-WTE-3785-OE	DNH	05/01/2018	11/01/2019	Yes
47	43° 9'41.91"N	97° 59'41.21"W	1632	590	2222	2018-WTE-3786-OE	DNH	05/01/2018	11/01/2019	Yes
48	43° 6'47.24"N	98° 9'16.57"W	1674	590	2264	2018-WTE-3787-OE	DNH	05/01/2018	11/01/2019	Yes
49	43° 5'12.57"N	98° 8'02.41"W	1688	590	2278	2018-WTE-3788-OE	DNH	05/01/2018	11/01/2019	Yes
50	43° 8'56.90"N	98° 0'24.45"W	1662	590	2252	2018-WTE-3789-OE	DNH	05/01/2018	11/01/2019	Yes
51	43° 10'19.52"N	98° 0'15.14"W	1662	590	2252	2018-WTE-3790-OE	DNH	05/01/2018	11/01/2019	Yes
52	43° 3'43.44"N	98° 0'10.00"W	1622	590	2212	2018-WTE-3791-OE	DNH	05/01/2018	11/01/2019	Yes
53	43° 3'54.46"N	97° 59'47.05"W	1625	590	2215	2018-WTE-3792-OE	DNH	05/01/2018	11/01/2019	Yes
54	43° 7'59.08"N	98° 0'16.05"W	1653	590	2243	2018-WTE-3793-OE	DNH	05/01/2018	11/01/2019	Yes
55	43° 11'20.13"N	98° 0'23.54"W	1645	590	2235	2018-WTE-3794-OE	DNH	05/01/2018	11/01/2019	Yes
56	43° 11'05.17"N	98° 0'29.23"W	1656	590	2246	2018-WTE-3795-OE	DNH	05/01/2018	11/01/2019	Yes
57	43° 6'57.58"N	98° 9'03.58"W	1680	590	2270	2018-WTE-3796-OE	DNH	05/01/2018	11/01/2019	Yes
58	43° 5'28.29"N	98° 7'49.97"W	1701	590	2291	2018-WTE-3797-OE	DNH	05/01/2018	11/01/2019	Yes
60	43° 3'46.00"N	98° 7'20.42"W	1664	590	2254	2018-WTE-3799-OE	DNH	05/01/2018	11/01/2019	Yes
61	43° 2'53.74"N	98° 6'57.27"W	1643	590	2233	2018-WTE-3800-OE	DNH	05/01/2018	11/01/2019	Yes
62	43° 2'40.65"N	98° 8'25.79"W	1658	590	2248	2018-WTE-3801-OE	DNH	05/01/2018	11/01/2019	Yes
63	43° 2'59.63"N	98° 8'19.47"W	1663	590	2253	2018-WTE-3802-OE	DNH	05/01/2018	11/01/2019	Yes

64	43° 2'40.83"N	98° 7'15.47"W	1621	590	2211	2018-WTE-3803-OE	DNH	05/01/2018	11/01/2019	Yes
PMet 1a	43° 8'05.04"N	98° 9'16.72"W	1689	361	2050	2018-WTE-3804-OE	DNH	05/01/2018	11/01/2019	Yes
PMet 2b	43° 3'36.94"N	98° 2'45.89"W	1631	361	1992	2018-WTE-3805-OE	DNH	05/01/2018	11/01/2019	Yes
PMet 3a	43° 7'54.32"N	98° 3'13.33"W	1770	361	2131	2018-WTE-3806-OE	DNH	05/01/2018	11/01/2019	Yes
PMet 4c	43° 5'23.92"N	98° 8'04.42"W	1696	361	2057	2018-WTE-3807-OE	DNH	05/01/2018	11/01/2019	Yes

# Prevailing Wind Park Aeronautical Hazard Locations

Turbine and MET Tower Locations

## Legend

-  Proposed MET Tower
-  Proposed Wind Turbine
-  Wagner Municipal Airport (AGZ)

