

BEFORE THE PUBLIC UTILITIES COMMISSION  
STATE OF SOUTH DAKOTA

EXHIBIT   I-5  

IN THE MATTER OF THE APPLICATION OF            )  
CROWNED RIDGE WIND II, LLC FOR                )  
WIND ENERGY FACILITY IN                        )  
DEUEL, GRANT AND CODINGTON COUNTIES        )     EL19-027

**AFFIDAVIT OF STEVEN GREBER**  
17165 468<sup>TH</sup> AVE., GOODWIN, SOUTH DAKOTA 57238

*State of South Dakota, County of Codington: ss.*

*Steven Greber, being duly sworn on oath, deposes and says:*

1           My name is Steven Greber and I have lived at the above-referenced address, with my  
2 wife, Mary Greber, since early 1995. The legal description for our property is the **SOUTH**  
3 **920' OF THE EAST 575' OF THE NORTH HALF OF THE SOUTHEAST QUARTER,**  
4 **SECTION 32, TOWNSHIP 117 NORTH, RANGE 50 WEST OF THE 5<sup>TH</sup> P.M.,**  
5 **DEUEL COUNTY.**

6           I am a Licensed Merchant Marine Engineering Officer, and hold a Chief Engineer  
7 Motor / Steam / Gas Turbine Vessel of any Horse Power License. I work through the  
8 American Maritime Officers Union, sailing out of U.S. and foreign ports. I have sailed on  
9 commercial and government-contracted vessels for nearly 30 years, including diverse  
10 operations on bulk carriers, tankers and surveillance vessels. I spend perhaps two thirds of  
11 each year at this address in Deuel County and the balance on the oceans.

12           I am presently intending to ship out in late November or December for the Far East,  
13 on board a U.S. Government vessel, T-AGOS, a mission expected to last for 3 or 4 months.  
14 My wife, Mary, usually returns to the Philippines to her family while I am shipboard. Thus,  
15 neither of us is presently expected to be available for the February 2020 hearing. I would ask  
16 that this affidavit be marked and received by the Commission, with cross-examination by the  
17 parties conducted in advance of my impending departure. This affidavit contains the  
18 information that I would wish to place before the Commission in this matter; it has been  
19 prepared under my direction and at my request by my counsel, and the statements contained  
20 herein are true and correct to the best of my knowledge, information and belief.

*Steve Greber*

1            Since 1995, Mary and I have expended a great deal of money improving this property,  
2 including the following projects and efforts:

3    1996: Replaced entire home drain and water piping, as well as laying tile around our home's  
4 foundation.

5    1997: Replaced home's windows.

6    1997 to 1999: Remodel home's basement.

7    2000: Added on to existing homes kitchen approximately 140 sq. ft. and remodeled same.

8    2001: Remodeled second floor to have a full second floor with full bath.

9    2001: Had seamless steel siding applied to entire house.

10   2001: Shingles replaced on all house roofs minus kitchen add on.

11   2002: Constructed wooden deck south side of house approximately 452 sq. ft.

12   2003: Concrete pad approximately 12' x 25' poured west of house.

13   2004: Concrete pad approximately 12' x 25' poured west of house.

14   2008 to 2010: Convert old grain building into game room / garage, complete with steel siding.

15   2009: Convert old shed into workshop, complete with steel siding.

16   2015: Replaced all three garage doors and openers in garage.

17   2016: add on lean-to on garage for R/V.

18   2018: Concrete pad approximately 11' x 50' poured west of house to game room / garage.

19   We've also made many improvements to home and property such as bathroom remodels,  
20 furnace upgrades, and many more too numerous to list.

21            We have had no contact from Crowned Ridge or anyone else regarding an "Effects  
22 Easement" (similar to what was handed to our neighbor, Mrs. Kranz, several years ago), or a  
23 lease or anything else. I would assume Crowned Ridge views our parcel as much too small  
24 to be of any value to them as a site to be leased, or for some kind of easement. Regardless,  
25 this small parcel is of major significance to us as fee simple owners. We are "non-  
26 participants" for purposes of applying the Deuel County Zoning Ordinance. As such, the  
27 "four times height" setback formula established under Section 1215 of the Ordinance  
28 requires a setback of approximately 1,945 feet from our "closest exterior wall."

29            The nearest turbine proposed for our immediate vicinity is 2,041 feet due east of our  
30 home, to be constructed on land in the SW1/4 of Section 33. This distance is measured from  
31 our east exterior wall, according to my understanding. Our home's east wall is about 110'

*Affidavit of Steven Greber*

- 2 -

*SG*  
*M Ca.*

1 west from our property line on 468<sup>th</sup> Avenue, so to this extent, Crowned Ridge is using that  
2 much of our property to comply with the ordinance's requirements. We have neither agreed  
3 to, nor done anything that might allow, Crowned Ridge doing so with our property, being  
4 tacked onto the use it is planning to make of our neighbor's property to the east.

5 According to an email from Crowned Ridge's counsel (July 17, 2019), our property is  
6 assigned "receptor" code number CR2-D221-NP. As shown in Table C-1 (p. 27), "Crowned  
7 Ridge II Shadow Flicker Tabular Results Sorted by Receptor ID," this being part of the  
8 document entitled "Final Report Crowned Ridge II Wind Farm Shadow Flicker Study,  
9 Codington, Deuel and Grant Counties, SD," dated July 7, 2019, and authored by Jay Haley,  
10 Partner of EAPC Wind Energy, the distance from our home to the nearest turbine is 2,041  
11 feet. This turbine is located due east, as said. I take this to mean that we – our home – will  
12 thus be exposed to Shadow Flicker from the morning sun, at a predicted rate of 14:04  
13 annually.

14 In other documents that I have seen, the predicted rate was much higher – somewhere  
15 in the neighborhood of 27 hours. Whether the duration is 27 hours or now reduced to "only"  
16 14 hours, I wish to say that neither of these planned or potential impacts is acceptable to  
17 Mary and me. We view this Shadow Flicker presence (as predicted for our home) as a  
18 complete violation of our rights as property owners, [REDACTED]

[REDACTED]

27 I understand that Witness Haley has also predicted the sound received at our home  
28 (Receptor CR2-D221-NP) as being 43.1 dB(A), or a claimed "real case sound" of 42.8 dB(A).  
29 This sound level – at our exterior wall – also does not account for infrasound or low  
30 frequency noise (ILFN) – having spent many years onboard powerful ships, I can attest to the  
31 fact that LFN – as given off by large cargo vessels, and also by passing helicopters – is a

*SG*  
*MA*

1 significant factor in whether one can sleep, rest or tolerate the sound, which is often more  
2 'felt' than heard. I do not welcome this intrusion into our home. I believe the predicted  
3 sound pressure level is significantly higher than what is otherwise recommended for  
4 optimum sleep opportunities. Sleep disruption on a cargo ship is understandable. I am not  
5 prepared to accept these conditions in and around my home.

6 [REDACTED]  
7 [REDACTED]  
8 [REDACTED]  
9 [REDACTED]  
10 [REDACTED]

11 [REDACTED] No one has bargained with us for that result. All we have  
12 are these official permits and orders, issued by – or sought from - governmental agencies  
13 who do not hold any right, title or interest in our property.

14 We did not purchase this home and acreage to be victimized with the trespassing and  
15 total disregard of our property rights by Applicant's IWTs with noise, flicker,  
16 electromagnetic waste and the unsightly blight on the landscape that will destroy our  
17 property values, and nuisance of a IWT only 2,041 feet nearly directly due east of our home.  
18 Sure, Applicant has produced market value studies for real estate, which, according to my  
19 understanding, claim to show that residential real estate has *no* provable market value loss. I  
20 would suggest that any such market value study be refined to include those that are within the  
21 "project boundaries," and which also receive Shadow Flicker, along with an elevated level of  
22 sound, and a completely unchecked amount of ILFN from the turbines. I can say for a fact  
23 that if these IWTs were present in 1995, or even hinted at, we never would have elected this  
24 part of the country as a place to live and raise our family.

25 I also question why I am to have the nearest wind turbine only 2,041 feet (just over  
26 the four-times-height requirement) from my home while the good folks in Goodwin get the  
27 benefit of a one-mile (5,280 feet) set back, under the Deuel County Zoning Ordinance as last  
28 amended in early 2017. It is my understanding that Deuel County does all of the zoning in  
29 this district, and that Goodwin is part of our same zoning district. [REDACTED]

30 [REDACTED] The homes in  
31 Goodwin are no better or more deserving of a reasonable setback from wind turbines than

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*SG*  
*MM G.*

1 our own home, which itself is just a mile or so outside of Goodwin, to the north. [REDACTED]  
2 [REDACTED]  
3 [REDACTED]

4 As far as the PUC's jurisdiction is concerned, I understand the agency has now found  
5 in other cases – several times – that no evidence (perhaps insufficient evidence is a more apt  
6 term) exists that these concerns over IWT proximity, as referenced in my affidavit, will  
7 “substantially impair” the health, safety or welfare of Steven and Mary Greber, or of our  
8 local community. I continue to believe that the risk exists, no matter what the experts hired  
9 by Crowned Ridge might profess.

10 But that said, the PUC should carefully consider also our rights under South Dakota  
11 property law, as referenced herein.

12  
13   
14 STEVEN GREBER

16 SUBSCRIBED AND SWORN TO BEFORE ME, A NOTARY PUBLIC IN AND FOR THE  
17 STATE OF SOUTH DAKOTA, BY SAID STEVEN GREBER, PERSONALLY KNOWN  
18 OR PROVEN TO ME TO BE SUCH PERSON, THE DATE ENTERED BELOW.

19  
20 Date: 11-13-19   
21 NOTARY PUBLIC – SOUTH DAKOTA

22  
23  
24 My Commission Expires: 3-12-24

