Public Utilities Commission Capitol Building, 1st floor 500 E. Capitol Ave. Pierre, SD 57501-5070 RECEIVED

AUG 12 2021

SOUTH DAKOTA PUBLIC UTILITIES COMMISSION

RE: Docket EL21-018 North Bend Wind Farm Project

## **PUC Commissioners:**

Per Commissioner Fiegen's request during the PUC meeting on 11 August 2021, I have listed the following proposed locations of Industrial Wind Towers (IWT) that will have a significant economic and social impact on our established upland bird hunting lodge (Tumbleweed Lodge) and farm operations (Bollweg Farms).

Exhibit 1 shows the outline of each of our preserves. Tumbleweed Lodge North (TWL N) consists of 2400 acres. Proposed towers 06, 08, 09, 14, 19, and 20 directly impact TWL N via shadow flicker, noise, and loss of aesthetics.

Exhibit 1 also shows two quarters of land that have multiple tower locations extremely close to their borders, eliminating the ability to safely and effectively apply crop protection products via aerial application from any direction:

SW  $\frac{1}{4}$  Section 11 – 111-74 (160 acres): Proposed IWT location 08 is to the north, 15 to the east, 22 to the south and 14 to the west.

NE ¼ Section 10 – 111-74 (160 acres): Proposed IWT locations 08 and 09 are to the east and location 14 and 21 are to the south.

In order to at least be able to utilize an aerial applicator in an east/west flight pattern on both quarters, proposed locations 08, 09, 14, and 15 need to be removed from consideration. Once these four locations would be removed, locations 21 and 22 would not have an impact.

As I mentioned in the PUC meeting last night, Engie representatives conceded during a Hughes county commissioner meeting shadow flicker and noise are negative effects directly associated wind turbines. Their Indemnity clause echoes these concerns by requiring landowners to waive claims against them for damage or injury directly suffered as a result of any audible, electromagnetic noise or shadow flicker to name a few. The same clause also supports my argument view shed has value or they wouldn't include visual impacts. My family operation, staff, and guests that we entertain should not be exposed.

In summary, the greatest negative impacts on our entire operation are proposed towers 06, 08, 09, 14, and 15. These would be my highest priority to have removed from consideration. The next level of negative impact would derive from proposed locations 19 and 20.

I am confident the PUC and Engie would recognize this as an equitable solution. Engie has already stated they are only pursing the building of 71 of the 78 proposed locations; leaving 7 locations to be withdrawn.

If you have any questions please give me a call. Thank you for your consideration.

Sincerely,

Michael J Bollweg
Bollweg Farms
Bollweg Family LLLP
Tumbleweed Lodge
Agronomist – '96 graduate SDSU

Harrold, SD 57536



## North Bend Wind Project

06/04/2021

## Legend

## **Turbine Locations**



43=	11)		<u> 11</u>	HARROLD						
rs.	10	11	12	7	8	9	10	11	12	
	15		vanson Lake 13	18	17 <b>T</b>	112N,	15 R 074V	14 <b>V</b>	lughes	
	22	23	24	19	20	21	22	23	Hug	
	27	26	25	30	29	28	27	26	25	
	34	35	36	31	32	33	34	35	36	
	3	<u>_</u> 2	1	6	5 <b>₩</b> 1	4 11 - 111 ·	-7 <b>4</b> 3	06	07	
	10	11	12	7	8	g	14	09 1	324th Ave 23 28 13	
	15	14	13	18	25	19 27 16	15	14_	28 13	
	22	23	24	<sub>19</sub> 3	31 20	11 IN,	R 074V	23	24	
	27	26	25	30	29	28	27	26	25	
	34	35	36	31	32	33	34	35	36	

