

GRANT COUNTY PLANNING COMMISSION WIND WORK SESSION 1

Public Questionnaire

NAME: William Street

ADDRESS: 15761 477th Ave
Milbank, SD 57252

Regarding wind energy systems, what types of uses/geography should the county establish setbacks from (Cities, Lakes, etc.)? 2 miles from city boundary

Should the county measure the setback from the structure (i.e. residence) or property line? Why?

I feel it should be property line. Non-participant may want to build at another location a future date.

Should the county establish a single setback from residences or differentiate between participating and non-participating? Why?

Differentiate. Obviously participants can bargain for a setback. Non-participants need the protection of the setbacks.

What should the setbacks be?

participant - 1 mile from property line
non-participant - can work it out with WES.

GRANT COUNTY PLANNING COMMISSION WIND WORK SESSION 1

Public Questionnaire

NAME: Richard Pike
ADDRESS: 15082 458th Ave
Summit, S. Dakota

57266
Regarding wind energy systems, what types of uses/geography should the county establish setbacks from (Cities, Lakes, etc.)?

Should the county measure the setback from the structure (i.e. residence) or property line? Why?

Should the county establish a single setback from residences or differentiate between participating and non-participating? Why?

What should the setbacks be? the set backs can either make or break the wind tower ~~power~~ project, I believe the set back should be left as it is getting these wind power in our area will sure help our family in paying our bills. we have a great potential for our community

GRANT COUNTY PLANNING COMMISSION WIND WORK SESSION 1

Public Questionnaire

NAME: Daniel Kaaz

ADDRESS: 15610 459th Ave South Shore SD

Regarding wind energy systems, what types of uses/geography should the county establish setbacks from (Cities, Lakes, etc.)?

Yes - lakes - 3 miles
Towns - 5 miles

Should the county measure the setback from the structure (i.e. residence) or property line? Why?

Property line. I pay taxes on the land - the turbine company does NOT!

Should the county establish a single setback from residences or differentiate between participating and non-participating? Why?

1-mile from Any inhabited structure -
Safety is paramount - protect your citizens

What should the setbacks be?

1 mile with a waiver

GRANT COUNTY PLANNING COMMISSION WIND WORK SESSION 1

Public Questionnaire

NAME: Teresa Keaz
ADDRESS: 15610 459th Ave

Regarding wind energy systems, what types of uses/geography should the county establish setbacks from (Cities, Lakes, etc.)?

Villages
Schools
Churches
Lakes
Non Participating Land Owners
City Limits
Wet lands (including Slough, Stock Pans)
GF & Parkland, All Grassland Easements
Migratory Flyways
Property Lines
Airports (Public & Private)

Should the county measure the setback from the structure (i.e. residence) or property line? Why?

Absolutely Not from structure must be property line
If you structure you are imposing trespass zoning & putting public at risk

Should the county establish a single setback from residences or differentiate between participating and non-participating? Why?

Participating land owners have signed a contract and have given the use of their land away.
It must be different for non participating land owners.
You must protect their quiet enjoyment, peaceful, full use of their property

What should the setbacks be?

The setback should always be determined by Rotor Blade diameter plus the hub height. Towers will get taller and blade span larger. ~~There is~~ Example 6 times the blade diameter plus the hub height.
Anything less will be putting residences at risk safety & property value loss. Can sign a waiver to be closer!

GRANT COUNTY PLANNING COMMISSION WIND WORK SESSION 1

Public Questionnaire

NAME: JOELIE HICKS

ADDRESS: 46955 145th Street
Twin Brooks, SD
57269

Regarding wind energy systems, what types of uses/geography should the county establish setbacks from (Cities, Lakes, etc.)?

Property lines airports lakes w/res.
schools
pastures of non participants - can sign off
Parks private wildlife habitat
municipalities towns

Should the county measure the setback from the structure (i.e. residence) or property line? Why?

Because ^{if measured from} residences it will interfere with private property rights of the off site landowner to build or otherwise occupy their land

Should the county establish a single setback from residences or differentiate between participating and non-participating? Why?

differentiate or keep the same for participating w/sign off because the non participants will not have financial gain from the turbine, like a participant

What should the setbacks be?

2 miles for large turbines esp for non participants sound carries!

GRANT COUNTY PLANNING COMMISSION WIND WORK SESSION 1

Public Questionnaire

NAME: Bob Hicks

ADDRESS: Twin Brooks

Regarding wind energy systems, what types of uses/geography should the county establish setbacks from (Cities, Lakes, etc.)?

Residences
prop line
lake
municipality

Should the county measure the setback from the structure (i.e. residence) or property line? Why?

Residence & property line
should be different - residence greater

Should the county establish a single setback from residences or differentiate between participating and non-participating? Why?

~~differentiate~~

non differentiate

What should the setbacks be?

prop - 1000

residence - 1/2 mile

GRANT COUNTY PLANNING COMMISSION WIND WORK SESSION 1

Public Questionnaire

NAME: *Linda Lindgren*

ADDRESS: *16050 464th Ave, South Shore, SD*

Regarding wind energy systems, what types of uses/geography should the county establish setbacks from (Cities, Lakes, etc.)?

3 miles from cities & Lakes.

Should the county measure the setback from the structure (i.e. residence) or property line? Why?

Property Line. Your whole property needs to be safe not just your residence.

Should the county establish a single setback from residences or differentiate between participating and non-participating? Why?

Ideally should be the same to protect the participators from their own ignorance but most important & protect children. ~~by~~ should be the nonparticipators.

What should the setbacks be?

2.0 miles to ensure safety & health of people, animals & environment.

GRANT COUNTY PLANNING COMMISSION WIND WORK SESSION 1

Public Questionnaire

NAME: MARK MAVERSBERGER (ALEX)

ADDRESS: SUMMIT

Regarding wind energy systems, what types of uses/geography should the county establish setbacks from (Cities, Lakes, etc.)?

SOUND - 50 dBA FROM HOME SITES
&

SHADOW - 30 HOURS, MAX, FOR NON-PARTICIPANTS

Should the county measure the setback from the structure (i.e. residence) or property line? Why?

FROM THE RESIDENCE, AS THE "PROPERTY LINE" OF NON-PARTICIPANTS IS THE SAME AS PARTICIPANTS (IE. SHOULD CONSIDER THE LAND RIGHTS OF PARTICIPATING LANDOWNERS TO USE THEIR LAND AS THEY ~~SEE~~ SEE FIT, WITHIN REASON)

Should the county establish a single setback from residences or differentiate between participating and non-participating? Why?

SEE ABOVE → PARTICIPATING LANDOWNERS SHOULD ALSO BE ABLE TO ENJOY THE FULL BENEFIT (IE. INCOME) FROM THEIR LAND.

What should the setbacks be?

1,000' - 1,500', FROM "NON-PARTICIPANTS" IS REASONABLE, AS IT PROTECTS THE RIGHTS OF NON-PARTICIPANTS WHILE ALLOWING PARTICIPATING LANDOWNERS TO USE THEIR LAND AS THEY SEE FIT (WITHIN REASON). IN THESE TOUGH RANCHING & FARMING TIMES, HAVING THE ABILITY TO EMPLOY OTHER WAYS TO GENERATE INCOME IS CRITICAL. ALSO, SOUND & SHADOW WILL CREATE AN ADDITIONAL/DE-FACTO SETBACK (IN ADDITION TO THE ACTUAL SETBACK DISTANCES).

GRANT COUNTY PLANNING COMMISSION WIND WORK SESSION 1

Public Questionnaire

NAME: David Lou

ADDRESS: 1257 Crestview Dr Watertown

Regarding wind energy systems, what types of uses/geography should the county establish setbacks from (Cities, Lakes, etc.)? Cities 1 mile

Should the county measure the setback from the structure (i.e. residence) or property line? Why?

Property Lines could be 1000's off feet from ~~property line~~ ^{Structure}

Should the county establish a single setback from residences or differentiate between participating and non-participating? Why?

no IT'S MY PROPERTY LET ME DECIDE

What should the setbacks be?

GRANT COUNTY PLANNING COMMISSION WIND WORK SESSION 1

Public Questionnaire

NAME: Jerry Bury

ADDRESS:

15011 482 Ave
Milbank SD 57252

Regarding wind energy systems, what types of uses/geography should the county establish setbacks from (Cities, Lakes, etc.)?

- City
- developed lake

Should the county measure the setback from the structure (i.e. residence) or property line? Why?

structure - its where you live

Should the county establish a single setback from residences or differentiate between participating and non-participating? Why?

make participating be easier if they own their own ground they should be able to get a tower.

What should the setbacks be?

stay same

GRANT COUNTY PLANNING COMMISSION WIND WORK SESSION 1

Public Questionnaire

NAME: ~~Debra~~ Nichole Bury

ADDRESS:
15011 482 Ave
Milbank SD 57252

Regarding wind energy systems, what types of uses/geography should the county establish setbacks from (Cities, Lakes, etc.)?

- Cities
- development lakes

Should the county measure the setback from the structure (i.e. residence) or property line? Why?

Structure
because where you live

Should the county establish a single setback from residences or differentiate between participating and non-participating? Why?

- Different
- if you want a tower you should be able to get a tower,

What should the setbacks be?

left the same

1000 ft
current
is fine

• zone out

GRANT COUNTY PLANNING COMMISSION WIND WORK SESSION 1

Public Questionnaire

NAME: Bert Lechner Jeff Gaden 2-11-2018
ADDRESS: 48304 152nd St Milbank, SD 57252

Regarding wind energy systems, what types of uses/geography should the county establish setbacks from (Cities, Lakes, etc.)?

Setback should be allowed for developed lakes Vista's, Cities; CAFO's
One mile from towns

Hills that could be of significance for native people Big Tom Hill.

Should the county measure the setback from the structure (i.e. residence) or property line? Why?

I am comfortable with structures being 500' from property lines and or 1000' feet from residence.

Should the county establish a single setback from residences or differentiate between participating and non-participating? Why?

2 miles is too far away from non participating.
1000 feet is plenty 1500' feet is acceptable

What should the setbacks be?

1 mile for developed lakes from bluffs
1000 feet for residence.

GRANT COUNTY PLANNING COMMISSION WIND WORK SESSION 1

Public Questionnaire

NAME: Al Robish
ADDRESS: 47278 161st street Strandburg

Regarding wind energy systems, what types of uses/geography should the county establish setbacks from (Cities, Lakes, etc.)?

2 mile minimum of cities & lakes

Should the county measure the setback from the structure (i.e. residence) or property line? Why?

From the property line (I witnessed a wind turbine throwing ice further than the 1500')

Should the county establish a single setback from residences or differentiate between participating and non-participating? Why?

Should be ~~different~~ different to protect non-participating. The participating parties are hindering my property rights.

What should the setbacks be?

1 1/2 mile

GRANT COUNTY PLANNING COMMISSION WIND WORK SESSION 1

Public Questionnaire

NAME: DIANA BREN

ADDRESS: 302 W ROBERTS AVE
STRANDBURG, SD 57265

Regarding wind energy systems, what types of uses/geography should the county establish setbacks from (Cities, Lakes, etc.)?

WIND LIFE refuges!
Important to WILD FOWL & ANIMALS
AND HUNTERS.

Should the county measure the setback from the structure (i.e. residence) or property line? Why?

Should the county establish a single setback from residences or differentiate between participating and non-participating? Why?

Yes

What should the setbacks be?

I thought it was
rude and a setback in its self
the way the commissioners WERE
in courage to lessing the setbacks
instead of increasing them.

GRANT COUNTY PLANNING COMMISSION WIND WORK SESSION 1

Public Questionnaire

NAME: Greg Wall

ADDRESS: 16455 466th Ave Strandburg SD 57265

Regarding wind energy systems, what types of uses/geography should the county establish setbacks from (Cities, Lakes, etc.)?

2 miles from a city + schools to allow for growth

2 miles from a lake

3 miles from an Eagle nest

3/4 mile from Non-participating landowner

Should the county measure the setback from the structure (i.e. residence) or property line? Why?

property line!

If it is not the property line it impairs what or how ~~else~~ a landowner can do with their land, such as buildings or trees they want to add.

Should the county establish a single setback from residences or differentiate between participating and non-participating? Why?

Yes, if a participating landowner wants them closer that is their right, but a non-participating landowner should not be impaired at all!

What should the setbacks be?

It should be a minimum of 3/4 mile from a non-participating landowner, but if the towers change in size above 500 ft it should be more.

Lakes or recreation areas it should be 2 miles

Eagle nests should be 3 miles

GRANT COUNTY PLANNING COMMISSION WIND WORK SESSION 1

Public Questionnaire

NAME: Donna Dolen

ADDRESS: P.O. Box 654
South Shore SD 57823

Regarding wind energy systems, what types of uses/geography should the county establish setbacks from (Cities, Lakes, etc.)?

Should the county measure the setback from the structure (i.e. residence) or property line? Why?

Structure.

Should the county establish a single setback from residences or differentiate between participating and non-participating? Why?

Think they should be different between participating and non-participating. Because if land owner signs his land he should have the right to say where on his land.

The land owner that didn't sign has already said no. Don't deprive the land owner to better themselves financial.

What should the setbacks be?

Think you should leave them the way they are. (The current setbacks)

Leave Setbacks as they are!

We need this financial growth as land owners

GRANT COUNTY PLANNING COMMISSION WIND WORK SESSION 1

Public Questionnaire

NAME: Duane Dolen

ADDRESS: P.O. Box 654
South Shore 5057263

Regarding wind energy systems, what types of uses/geography should the county establish setbacks from (Cities, Lakes, etc.)?

Lakes

Should the county measure the setback from the structure (i.e. residence) or property line? Why?

Structure

Should the county establish a single setback from residences or differentiate between participating and non-participating? Why?

Leave as is

What should the setbacks be?

Stay The Same

GRANT COUNTY PLANNING COMMISSION WIND WORK SESSION 1

Public Questionnaire

NAME: PAUL NELSON

ADDRESS: STRANDBURG

Regarding wind energy systems, what types of uses/geography should the county establish setbacks from (Cities, Lakes, etc.)?

~~SETBACKS~~ SH
Setbacks should all be the same.

Should the county measure the setback from the structure (i.e. residence) or property line? Why?

property line
what if I want to build a new house?

Should the county establish a single setback from residences or differentiate between participating and non-participating? Why?

What should the setbacks be?

1 mile per 100 foot of tower height

GRANT COUNTY PLANNING COMMISSION WIND WORK SESSION 1

Public Questionnaire

NAME:

ADDRESS:

Regarding wind energy systems, what types of uses/geography should the county establish setbacks from (Cities, Lakes, etc.)?

all people

Should the county measure the setback from the structure (i.e. residence) or property line? Why?

Property Line

Should the county establish a single setback from residences or differentiate between participating and non-participating? Why?

yes Participating are receiving money

What should the setbacks be?

1 Mile + 100' Per 1' of Tower

Todd Kays

From: Amber Christenson <amber@uniformoutlet.net>
Sent: Friday, June 15, 2018 3:13 PM
To: Todd Kays
Subject: Grant County Work Session 1

GRANT COUNTY PLANNING COMMISSION WIND WORK SESSION 1

Public Questionnaire

NAME: Amber Christenson

ADDRESS: 16217 466th Ave, Strandburg, SD 57265

Regarding wind energy systems, what types of uses/geography should the county establish setbacks from (Cities, Lakes, etc.)?

Cities, lakes, rivers/streams, shallow aquifers, schools, churches, non-participating properties, participating properties, public parks, roads, wildlife nesting/preservation areas, cultural sites, historical sites. I do not believe government buildings require any increased setbacks.

Should the county measure the setback from the structure (i.e. residence) or property line? Why?

The property line, to avoid trespass zoning and protect property rights. Residents should have full, SAFE use of their entire property, now and in case of future desires of land use. Once turbines are placed, you can not change your mind and say, 'Oh, that really is too close.' You are putting the IDS tower with spinning blades next to someone's property for the next 30 years.

Should the county establish a single setback from residences or differentiate between participating and non-participating? Why?

Non participating land owners should be afforded a larger setback. They receive NO compensation and should not be subjected to the harmful or annoying effects of a neighboring land owner's decision. Many participators do not live where they lease the land, but are subjecting other people to the effects of their decision. Protect your residents.

What should the setbacks be?

The World Health Organization recommends a minimum of one mile. Clark County officials went out to the turbines and started at $\frac{1}{4}$ of a mile. Then, they went to $\frac{1}{2}$ mile. They stopped at $\frac{3}{4}$ mile and picked that setback because that was the point they could no longer hear them. Those are smaller turbines than what APEX is putting up in Dakota Range, by about a third. Those turbines will have twice the size of generator. What if the next company wants even taller turbines? You must pick a multiplier of turbine height. 10 times the turbine height or outside the safety zone, whichever is further. In Massachusetts, a city wanted 2 turbines. Vestas built them. GE was asked to build them but refused to even bid them because they would be placed too close to people and roads and would not be safe. People driving by would have been traveling through the safety zone for ice throw and blade failure.

Flicker travels 1.25 miles according to the report just handed in to the PUC for the Dakota Range hearing. A mile set back, or 10x the height of the turbine, would mitigate nearly all effects: noise, infrasound (actually, that travels 1.5 miles), flicker, ice throw/blade throw dangers, and give a relatively safe distance for fire. Participants should be allowed to sign a waiver of the setback if they so choose.

GRANT COUNTY PLANNING COMMISSION WIND WORK SESSION 1

Public Questionnaire

NAME: Wade Bauer

ADDRESS: 15371 459th Ave
South Shore, SD 57263

Regarding wind energy systems, what types of uses/geography should the county establish setbacks from (Cities, Lakes, etc.)? There should be setbacks from all nonparticipating land owners, cities, lakes, and public areas.

Should the county measure the setback from the structure (i.e. residence) or property line? Why?

They should be measured from the property line. I am a nonparticipating land owner. I should have the right to use my land for what I bought it for. and enjoy all my property outside that's my right. and freedom.

Should the county establish a single setback from residences or differentiate between participating and non-participating? Why?

We need larger setbacks for all non-participating land owners, we shouldn't have to deal with the wind turbines. and are not getting paid like the participating land owners.

What should the setbacks be?

Setbacks need to be one mile or more for all non-participating land owners, cities, churches, lakes and public areas. My understanding is that the wind towers they are proposing are taller than any other in the state by over 200 feet taller.

GRANT COUNTY PLANNING COMMISSION WIND WORK SESSION 1

Public Questionnaire

NAME: Tracy Rosenberg

ADDRESS: 46561 147th Street, Marvin, SD

DATE: June 18, 2018

Regarding wind energy systems, what types of uses/geography should the county establish setbacks from (Cities, Lakes, etc.)?

In addition to what was discussed at the meeting on June 11, 2018, (parks, municipalities, lakes with residences, airports) there should be setbacks imposed near cemeteries, campgrounds, cell towers, prairie restorations (restored native tallgrass prairie), prairie reconstructions (re-seeded native grasses and forbs prairie), designated apiaries, livestock feedlots and livestock pastures (unless owned by participating landowner), dairies, event centers, and private residences.

.....

Should the county measure the setback from the structure (i.e. residence) or property line? Why?

The county should measure from the property line and if property is along a road, measure to the center of the road since this follows with statutes of taxable land. During the meeting discussion, property line setbacks were not specified, only sidewall of structure. This is completely inadequate.

.....

Should the county establish a single setback from residences or differentiate between participating and non-participating? Why?

Absolutely these two—participating and non-participating—should be handled differently. Participants should be allowed to waive set-backs to include up to 500 feet from their residence through a variance, but non-participants should not be forced to experience impacts imposed by participating parties next door. The county should not blanket-acknowledge a waiver for all equally, as non-participants do not receive any compensation or agree to receive any wind turbine impacts.

This information should be thoroughly vetted with formal discussions over months of expert opinions and peer-reviewed research—a formal discovery process—not during a quick meeting whereby a member states, “Why make work for ourselves?” The Grant County Planning and Zoning committee and it’s appointees are responsible for insuring the safety of all county members and are responsible for not imposing undue financial hardships on nonparticipating land owners—please exercise due diligence, and if necessary, error on the side of safety. The jury is still out on human health impacts which does not mean there

are no health impacts. Generations of Grant County families will reside in this turbine footprint for decades if not a century.

The meeting was rushed, there was scant discussion, just a call for a tally—a show of hands for set-back amounts without any discussion as to why. The moderator smacked of an auctioneer: “who wants 500? 1500? I have three for this, now four.” This process should not be rammed through in six months, but take in excess of a year. Though turbines have been discussed in this area for ten years, determining the actual logistics is quite new and deserves meticulous methodical scrutiny, not whimsy. The end result of the quick meeting was to “run the numbers” on each of these proposals to see which ones knocked out turbines. This is a backwards mentality. Set-backs should not be decided upon based on how many turbines each number can cram into a footprint.

.....

What should the setbacks be?

Participants should be able to waive set-backs up to 500 feet from their homes and by doing so accept all associated health risks and impacts. (Wind energy factory representatives should probably require this language as part of their wind energy contract with participants.) Nonparticipants should have a two-mile set-back to their property line at a bare minimum. No measurements from residences are needed if so. This affords the property owner to build anywhere on their property and still remain a safe distance. Aside from residential concerns, there are specific environmental concerns:

From an environmental perspective, turbines may be renewable energy but there is more at stake on the Coteau des Prairies of Grant County, South Dakota, for turbines impose undesirable consequences on native grasslands. First, turbines interfere with pollinators (bees and butterflies). I have personally witnessed this at the community college where I teach. There we have both turbines and apiaries. When the college first obtained a honeybee colony, the college turbine was inoperable due to the fact that a blade was missing. The bees were plentifully pollinating throughout the campus’ prairie reconstruction. When the turbine was repaired to become operable, and the blades began turning, the honeybees disappeared from the surrounding area. The bees have not returned to the prairie reconstruction area since the turbine was repaired. Turbines can interfere with grassland birds’ ability to successfully mate through disturbance of mating calls. Bird threat is more than a discussion about a bird hitting a blade. Thirdly, large game defect from the turbine area due to movement and vibration. Wind energy companies seek to obtain contracts with landowners of grasslands when a better environmental option would be commodity fields. South Dakota is the number two state in honey production, and game hunting is an important aspect of the state’s income-generating tourism business.

I am Environmental Science faculty at a community college, and also a prairie restoration farmer whereby I restore degraded habitat (native prairie) on my land, manage a prairie reconstruction project where I harvest native seeds, and raise honeybees for pollination of native forbs on my land. Prairie land remnants are the

most endangered ecosystem in North America, and rapidly being converted to monoculture crops. Prairie plants are of utmost importance for multiple reasons: they provide pollinator habitat, they have deep roots that hold soil in place, they increase soil carbon sequestration and storage, they host threatened or endangered insects and butterflies that utilize the plants, and are habitat for other species—grassland birds, migratory waterfowl (due to potholes), and large and small game.

.....

Commissioners and appointees: I was presented with an opportunity to sign a wind energy contract and decided against doing so after careful consideration including reading multiple research papers, having multiple discussions with wildlife biologists, and my own personally witnessed experience. Many of my neighbors have signed contracts. Other neighbors have begged me not to sign a contract. Though I do not wish to thwart my neighbors' ability to earn financial gains from contracts, my neighbor's decisions to participate in wind turbines SHOULD NOT thwart my ability to successfully operate a prairie restoration and prairie reconstruction business. There must be separate set-backs (two miles or more) for non-participants' property lines (not just residences).

Respectfully submitted,

Tracy Rosenberg

GRANT COUNTY PLANNING COMMISSION WIND WORK SESSION 1

Public Questionnaire

Name: Crowned Ridge Wind, LLC (subsidiary of NextEra Energy Resources, LLC)
Address: Juno Beach, Florida

Regarding wind energy systems, what types of uses/geography should the county establish setbacks from (Cities, Lakes, etc.)?

Crowned Ridge Wind, LLC (CRW) understands the importance of responsible siting practices in Grant County. CRW will openly provide feedback on newly proposed setbacks from Cities and Lakes that may be considered, as well as, the impacts to the current development plan in Grant County that may result from additional setbacks from Cities and Lakes that are not currently within the Grant County zoning code.

CRW will openly consider/support newly proposed setbacks from Cities and Lakes (residential, recreationally used Lakes) to the extent possible, and as long as, the newly proposed setbacks do not overly restrict CRW's ability to fulfill the requirements under the agreement reached with the project's customer who is slated to receive the power.

Should the county measure the setback from the structure (i.e. residence) or property line? Why?

It is CRW's understanding that the current zoning ordinance contains setback requirements for both occupied dwellings (residences) and property lines.

CRW will voluntarily agree to increase the minimum setback from non-participating, occupied dwellings to 1,500 ft. compared to the current 1,000 ft. setback requirement and will further incorporate a development plan that limits limiting modeled shadow flicker to no more than 30 hours per year at residential dwellings of nonparticipating landowners which is currently not in the Grant County zoning code. CRW will also voluntarily increase the minimum setback from participating, occupied dwellings to 1,000 ft. compared the current 500 ft. setback.

CRW recommends that the current property line setback distance of at least five hundred (500) feet or one hundred ten percent (110%) the height of the wind turbine (whichever distance is greater) be specified by relating this setback to non-participating property lines.

The above listed setbacks, paired with the existing setback requirement of a 50 dBA sound pressure limit to off-site residences well ensures the health, safety, and general welfare of Grant County residents.

Should the county establish a single setback from residences or differentiate between participating and non-participating? Why?

CRW respects the decision of those landowners who choose to not participate in the project while in parallel protecting the property rights of those landowners who have elected to participate in the project. The current county ordinance contains setbacks that differentiate between participating and non-participating residents which provides additional setback distances from non-participating residents while protecting the property rights of those who are participating and allowing for closer turbine siting if desired by the participating landowner.

What should the setbacks be?

As noted above, CRW recommends and further commits to meeting and/or exceeding the following setbacks in the attached table:

Distance from a...	Current Grant County WES Requirements	CRW's Recommendation / Commitment
Existing off-site residences, businesses, churches, and buildings owned and/or maintained by a governmental entity	1000 ft	Recommend changing to 1500 ft. from non-participating existing off-site residences, business, churches, and buildings owned and/or maintained by a governmental entity and public buildings.
On-site or lessor's residence	500 ft	Recommend changing to a minimum of 1000 ft.
Property Line	Distance from any property line shall be at least five hundred (500) feet or one hundred ten percent (110%) the height of the wind turbine, whichever distance is greater, measured from the ground surface to the tip of the blade when in a fully vertical position unless wind easement has been obtained from adjoining property owner	Would recommend clarifying the language to relate only to non-participating property lines.
Noise	Noise level shall not exceed 50 dBA, average A-weighted Sound pressure including constructive interference effects at the perimeter of the principal and accessory structures of existing off-site residences, businesses, and buildings owned and/or maintained by a governmental entity	Recommend no change to current ordinance requirement of 50 dBA to residence. Would recommend removing language on "including constructive interference".
Shadow Flicker	There are no standards for shadow flicker in the current WES Regulation.	Recommend limiting modeled shadow flicker to no more than 30 hours per year at residential dwellings of non-participating landowners.

GRANT COUNTY PLANNING COMMISSION WIND WORK SESSION 1

Public Questionnaire

NAME: Kristi Mogen

ADDRESS: Twin Brooks

Regarding wind energy systems, what types of uses/geography should the county establish setbacks from (Cities, Lakes, etc.)?

Unbroken Native Prairie is unique to South Dakota and should be considered historical and cultural and never have a turbine.

Lakes, wetlands, leks, raptor nests should have a 2-mile setback.

Cities, unincorporated towns should have the same setbacks as non-participating rural residents 2 miles with a waiver.

No flicker should be allowed on roads. Who would be liable for an accident caused by flicker?

Should the county measure the setback from the structure (i.e. residence) or property line? Why?

Property line- I own all my property not just the structures, and I as the owner, have the right to say how it will be used. A setback from anything less than the property line would affect future use of the property I own. If I choose to let a neighbor use parts for flicker or infrasound I have the option sign a waiver. Would a city/county zoning officer say its ok for a neighbor's dog to defecate on another neighbor's lawn, just because the dog was using just a little corner of the property? Can my cows graze on my neighbor's property free of charge if it is just 100 feet inside the neighbor's property line?

Should the county establish a single setback from residences or differentiate between participating and non-participating? Why?

*While I would like to protect all people from unknown impacts and "effects" * I do believe in property rights, and the right to private contract, and SD codified law 43-13-24** uses the property line and allows for an exception (waiver), the setback for a non-participant should be the standard and the participant may negotiate or waive his property rights.*

**Effects as per some Wind Turbine Contracts; "audio, visual, view, light, flicker, noise, shadow, vibration, air turbulence, wake, electromagnetic and radio frequency interference, and any other effects attributable to the Wind Farm or activity located on the Owners Property or on properties over and across the Owner's Property"*

***This law was written in 2009, and is outdated as the turbines now are larger, have greater impacts also there is new information concerning public health and safety, environmental*

impacts. It also did not take into consideration "effects", flicker and infrasound (which causes health issues and disrupts wildlife reproduction and kills pollinators)

43-13-24. Large wind energy system set back requirement--Exception. Each wind turbine tower of a large wind energy system shall be set back at least five hundred feet or 1.1 times the height of the tower, whichever distance is greater, from any surrounding property line. However, if the owner of the wind turbine tower has a written agreement with an adjacent land owner allowing the placement of the tower closer to the property line, the tower may be placed closer to the property line shared with that adjacent land owner.

What should the setbacks be?

2 miles with a waiver. This does not zone out turbines, it levels the playing field for impacted property owners and insures their property is not trespassed. It is unfair and unreasonable to expect rural landowners to subsidize the wind industry. Flicker and infrasound impact larger areas than the participants land, the wind industry needs to use non-participants landowner's property rights or air rights. Wind industry should have to negotiate with all impacted property owners.

Attached are maps presented to the PUC showing that the flicker is 10 times the rotary blade diameter and the infrasound can go 2 miles or more. Flicker and/or infrasound can cause human health problems, impacts to livestock production, wildlife reproduction, kills pollinators and effects environment through soil compaction, soil moisture loss and local climate change to name a few. Blade (shredded fiberglass) and ice throw and fire risk are also concerns when choosing a setback. The 2 miles with a waiver, would be prudent and help protect the county from liability and trespass lawsuits (attached is trespass graph)

To: P.U.C. Commissioners and Committee Appointees
Copies enclosed for the following:

Mike Mach
Bill Street
Doug Stengel
Marty Butke, Chairperson
Paul Dumann

Nancy Johnson, Chairperson
Bob Sparks
Richard Hansen
Tom Adler
Mark Leddy
Tom Pillatzki

Re: Wind Turbine EL 18-003 docket

Dear Commissioners and Committee Appointees:

I've been closely following the comments and hearings about wind projects that are proposed for several South Dakota counties that surround and include Grant County, South Dakota, and have withheld making comments until I had carefully considered the conflicting views.

I own and manage over 950 acres of grasslands in Grant County, and was solicited by a wind energy company to place my land under contract and participate in the project for a handsome financial sum. Many of my personal friends and neighbors have signed contracts and encouraged me to participate, while other friends and neighbors have begged me not to sign up my land.

Currently I have not signed a contract as I do not feel the contracts are written responsibly to protect the environment, nor the community inhabitants; it does not adequately address the environmental and/or health concerns of the Grant County community. The burden of proof is on the wind company to prove that there are no ill-effects on the environment or humans, neither of which has occurred.

I am Environmental Science faculty at a community college, and also a prairie restoration farmer whereby I restore degraded habitat (native prairie) on my land, manage a prairie reconstruction project where I harvest native seeds, and raise honeybees for pollination of native forbs on my land. Prairie land remnants are the most endangered ecosystem in North America, and rapidly being converted to monoculture crops. Prairie plants are of utmost importance for multiple reasons: they provide pollinator habitat, they have deep roots that hold soil in place, they increase soil carbon sequestration and storage, they host threatened or endangered insects and butterflies that utilize the plants, and are habitat for other species—grassland birds, migratory waterfowl (due to potholes), and large and small game.

GRANT COUNTY PLANNING COMMISSION WIND WORK SESSION 1

Public Questionnaire

NAME: Derek Nelson

ADDRESS: Milbank, SD

Regarding wind energy systems, what types of uses/geography should the county establish setbacks from (Cities, Lakes, etc.)?

Property Lines. Cities or Lakes shouldn't have more than one person.

Should the county measure the setback from the structure (i.e. residence) or property line? Why?

Property Line! It is trespassing otherwise.

Should the county establish a single setback from residences or differentiate between participating and non-participating? Why?

Single Setback! Because majority of participating are absentee landowners or are dd!

What should the setbacks be?

1 mile per hundred feet of tower!