

FILE

OHIO POWER SITING BOARD

Seneca Wind LLC

Case No. 18-488-EL-BGN

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I attended the local public hearing held in Tiffin, Ohio, on July 23, 2019, regarding Seneca Wind LLC's (Seneca Wind) application to construct wind-powered generation facilities in Seneca County, Ohio. While I did not offer testimony at the local public hearing and will not be a witness at the evidentiary hearing, I agree with the testimony given by those persons who have testified today in support of Seneca Wind's application.

| Name (please print clearly) | Signature | Address (please print clearly) |
|-----------------------------|-------------------------|--|
| TONIA Hoffert | <i>Tonia Hoffert</i> | 5146 E. CR. 12 Bloomville, Ohio 44818 |
| NAN Schumacher | <i>Nan Schumacher</i> | 14094 E. Twp. Rd 104 Africa, OH Venice Twp. |
| Julie A. Meyer | <i>Julie Meyer</i> | 142 Crestview Dr. Tiffin, Ohio 44883 |
| Victoria Ziegler | <i>Victoria Ziegler</i> | 140 Crestview Dr. TIFFIN, Ohio 44883 |
| MICHAEL ENGERT | <i>Mike Engert</i> | 102 Dorchester Sq Westerville, OH 43081 |
| Herman Holm | <i>Herman Holm</i> | 1226 E FSR 162 Republic |
| RICK LEASE | <i>Richard E. Lease</i> | 2395 Twp. Hwy 136 Lycamore Ohio 44882 |
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| Name (please print clearly) | Signature | Address (please print clearly) |
|-----------------------------|--------------------|---|
| John Papa | John Papa | 3334 Willoughby Rd Willard, Ohio Richmond Township |
| Jodi A. Benward | Jodi A. Benward | 3081 N. STATE ROUTE 18 REPUBLIC, OH 44867 |
| Linda Gomez | Linda Gomez | 7124 E Twp Rd 163 Bloomville Oh 44818 |
| Richard L. Hughes | Richard L. Hughes | 335 S. Monroe St Tiffin, OH PO Box 1012 44883 |
| Dominic Miller | Dominic Miller | 1582 St. Rt. 4 Bellevue OH 44811 |
| JANE LEWIS | Jane Lewis | 1558 S St Rt 67 Republic OH 44867 |
| Nicole Jumper | Nicole Jumper | 8608 S. Cnty Rd. 43 Bloomville Ohio 44818 |
| Gary Lescalette | Gary Lescalette | 3544 E. Co Rd C Tiffin Ohio 44883 |
| Jim Miller | Jim Miller | 4665 S. St Rt 67 Tiffin, Oh 44883 |
| Gary Hocopp | Gary Hocopp | 4600 W. ST. RT 19 Republic OH |
| Thomas J. Smith | Thomas J. Smith | 11326 Twp 8 Republic Oh 44867 |
| Sue McGrain | Sue McGrain | 6968 W. Twp. Rd 112 Fostonia OH 44830 |
| Cheryl Mira | Cheryl Mira | 11110 State Route 269 Belleve, OH 44811 |
| Andrew Zender | Andrew Zender | 3401 ECR 6 Tiffin Oh 44883 |
| Forrest Zender | Forrest Zender | 3401 ECR 6 Tiffin Oh 44883 |
| Carrie Drown | Carrie Drown | 1205 S. State Rte 67 Republic, OH 44867 |
| Sheila Paffenbaugh | Sheila Paffenbaugh | 5094 N. Greenfield Road Willard, OH 44890 |

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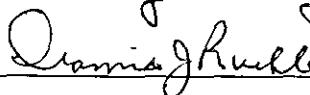

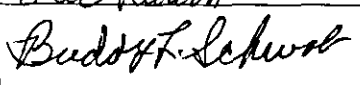
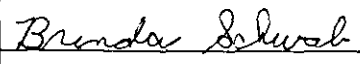

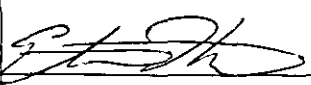


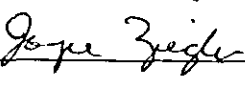

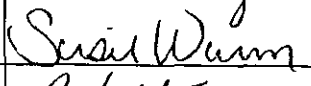
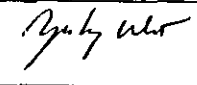
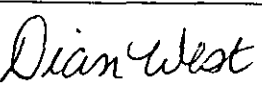
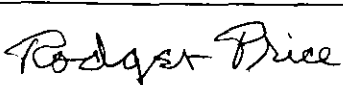
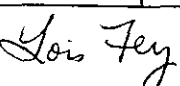
| Name (please print clearly) | Signature | Address (please print clearly) |
|-----------------------------|-------------------|--|
| ANN WRIGHT | Ann Wright | 14750 Co. Rd. 34 Bellevue, OH 44811 |
| Theresa Oakleaf | Theresa Oakleaf | 2963 E. TR 58 Tiffin, OH 44883 |
| Scott Work | Scott Work | 3791 S. Twp. Rd. 159 Tiffin, OH 44883 |
| Donovan Roth | Donovan Roth | 4015 S. Twp P 79 Attica, OH 44807 |
| Colin Schatzinger | Colin Schatzinger | 601 N. St. Rt. 18 Republic, OH 44867 |
| Jim Dillingham | Jim Dillingham | 10615 E TR 8 Republic, OH 44867 |
| John K. Wilson | John K. Wilson | 16851 CR 32 Bellevue, Ohio 44811 |
| GARY OAKLEAF | Gary Oakleaf | 8814 So St Rt 100 SYCAMORE, OHIO |
| PAUL Fey | Paul Fey | 4920 S. Twp. Rd 1123 Tiffin, Ohio 44883 |
| ROBERT WARSON | Robert Warson | 11944 E Twp Rd 122 Republic, OH 44867 |
| Elizabeth Beisner | Elizabeth Beisner | 2865 N SR 101 Tiffin, OH 44883 |
| Robert Distel | Robert Distel | 1798 E CR 16 Tiffin 44883 |
| Lynndie Stahl | Lynndie Stahl | 2386 S Township Rd 181 Bloomville, OH 44818 |
| DIANE ANDERSON | Diane Anderson | 9444 E. Twp. Rd. 124 Republic, OH 44867 |
| Barbara Carmon | Barbara Carmon | 3285 S.C.R. 43 Bloomville, OH 44818 |
| Jessica Cornett | Jessica Cornett | 6730 N SR 101 Clyde, OH 43410 |
| Theresa Clark | Theresa Clark | 3671 S. St Rt 231 Tiffin, OH 44883 |

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Seneca Wind LLC

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| Name (please print clearly) | Signature | Address (please print clearly) |
|-----------------------------|--|--|
| BARBARA Bond |  | 221 E Market Tiffin, OH |
| Nancy Bailey |  | 31 Northwood TIFFIN, OH |
| Dianna Ruchle |  | 21 H. Hiest Dr Tiffin OH 44885 |
| Steve Runion |  | 5328 E. TR 44 Bloomville OH 44818 |
| Buddy Schwab |  | 7200 N COUNTY Road 33 TIFFIN, OH 44883 |
| Brenda Schwab |  | 7200 N. Co. Rd. 33 Tiffin, OH 44883 |
| Natalie Kertenbach |  | 3337 Sandhill Rd. Bellevue Ohio 44811 |
| Ethan Kopf |  | 5900 N Twp Rt 175 Republic Ohio |
| Carol Theris |  | 510 S. Twp Rd. 77 Republic OH 44867 |
| JOHN HAMPSHIRE |  | 7939 SOUTH COUNTY ROAD 43 Bloomville, OH 44818 |
| Joyce Ziegler |  | 7551 S. Twp. Rd. 171 Bloomville, OH 44818 |
| Betty Oakleaf |  | 8814 S. St Rt 100 Sycamore, OH 44882 |
| Susie Wurm |  | 11230 E Co Rd 24 Republic, OH 44867 |
| Zachary West |  | 3040 North Township Road 155 Tiffin, Ohio 44883 |
| Dian West |  | 3040 N Twp Rd 155 Tiffin Ohio 44883 |
| Rodger Price |  | 6397 S. TWP. RD 86 Tiffin, Ohio 44883 |
| Lois Fey |  | 4970 S. TR 1173 Tiffin OH 44883 |

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|-----------------------------|------------------|--|
| Michelle Coffman | Michelle Coffman | 1731 E. Tr 28 Tiffin, OH 44883 |
| Mary Coffman | Mary Coffman | 3220 E Co Rd 6 Tiffin, OH 44883 |
| Rick Coffman | RC Coffman | 3220 E. CR. 6 Tiffin, OH, 44883 |
| Beth Walliser | Beth Walliser | 45 Thomas St. Tiffin, OH 44883 |
| Kathy Hanze | Kathy Hanze | 7784 E CR 6 Bloomville, OH 44818 |
| Diane Meyer | Diane Meyer | 2898 Townline Rd. 32 Monroeville, OH 44847 |
| Raelene Colvin | Raelene Colvin | 4844 Castalpa 1205 S. St Rt 67 Ohio Republic OH 44867 |
| Jeff Drown | Jeff Drown | 4000 N. St Rt 19 The Republic 44867 |
| Dawn Hoepf | Dawn Hoepf | 251 E CR 6 Tiffin, Ohio 44883 |
| Steven Everhart | Steven Everhart | 14040 Twp Rd 178 Bellevue, OH 44811 |
| Deb Hay | Deb Hay | 49 ONEBRIDGE AVE Tiffin Ohio 44883 |
| BRAD Newman | Brad Newman | 5651 E. CR. 58 Bloomville, OH |
| JAMES Keller | James Keller | 1099 E cord 50 Tiffin OH 44883 |
| Randy Kuhn | Randy Kuhn | |
| RICHARD MILLER | Richard Miller | 17411 US 20 & 4 ADTICA D 4394 E. Twp. Rd 58 Bloomville, OH 44818 |
| DAVID G ZIEGLER | David G Ziegler | |
| Jessica Bordner | Jessica Bordner | 4349 East County Road 58 Bloomville, Ohio 44818 |

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|-----------------------------|--------------------|--|
| Lisa K. Wilson | Lisa K. Wilson | 16851 CR 32 Bellevue OH 44811 |
| Brad Oakleaf | Brad Oakleaf | 2963 E. Twp. Rd 58 Tiffin, OH 44883 |
| Nathan Miller | Nate Miller | 13531 E. CR. 36 Republic, OH 44867 |
| Nelson Wright | Nelson Wright | 14750 E. CR 34 Bellevue OH 44811 |
| PATRICIA J PARKER | Patricia J. Parker | 6894 S Camp Rd 17 Tiffin, OH 44883 |
| Garry E. King | Garry E. King | Tiffin, OH 44883 |
| Mandy S. Kelley | Mandy S. Kelley | 11 Mill St. Attica, OH 44807 |
| Troy R ROTH | Troy R Roth | 12601 E. Twp. Rd #122 REPUBLIC OH 44867 |
| Alicia Shuff | Alicia Shuff | Tiffin, OH 91 Golfview Dr. OH |
| Chuck GAIETTO | Chuck Gaietto | 4445 S. Twp Rd 165 TIFFIN OH 44883 |
| TIMOTHY MILLS | Timothy Mills | 6752 E. Twp. Rd 106 Republic, OH 44867 |
| Lori Vetter | Lori J. Vetter | 855 Marion St Bloomville, Oh. 4765 Williams Rd |
| Patricia Didion | Patricia A. Didion | Bellevue Ohio 44811 |
| Blair Barber | Blair Barber | 9395 E Co Rd 58 Bloomville OH 44818 |
| Joann Graham | Joann Graham | 1480 S. Twp Rd 79 Republic, OH 44867 |
| Jeanette Conky | Jeanette C Conky | 1224 East Co. Rd 50 Tiffin, Ohio 44883 |
| Bruce Hanzel | Bruce Hanzel | 7784 E. Co. Rd. 6 Bloomville, OH 44883 |

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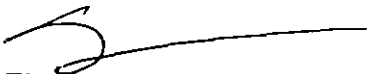
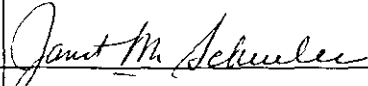
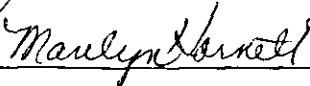
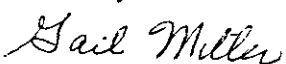
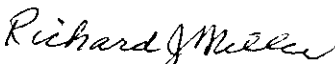
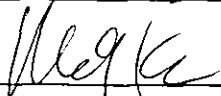
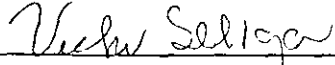
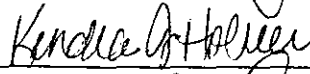

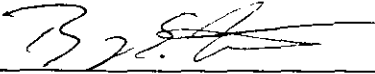


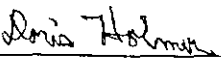
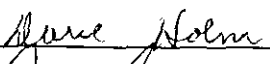

| Name (please print clearly) | Signature | Address (please print clearly) |
|-----------------------------|--------------------|---|
| Nancy Hurley | Nancy Hurley | 4570 S. TR 165 Tiffin OH 44883 |
| David L Hurley | David L Hurley | 4570 S TR 165 Tiffin OH 44883 |
| MARC WEISENBERGER | Mark Weisenberger | 11002 S.R. 269 N. Bellevue, OH 44811 |
| Matt Kimmet | Matthew A. Kimmet | 8997 S. State Route 100 Sycamore, OH 44882 |
| WILLIAM KALTENBACH | William Kaltenbach | 3337 SANDHILL RD BELLEVUE, OH 44811 |
| Jim Colvin Sr. | Jim Colvin Sr. | 12011 Dining rd Castalia OH 44824 |
| Terri Hampshire | Terri Hampshire | 7939 S. CR 43 Bloomville OH 44818 |
| Steve Gitchett | Steve Gitchett | 3717 So. St. Rt - 67 Tiffin OH. 44883 |
| Jim Fassel | Jim Fassel | 1121 ECR 16 TIFFIN OH 44883 |
| JAMES WAGNER | James Wagner | 1913 R. ST. 18 Republic OH 44867 |
| Kurt Lease | Kurt Lease | 5251 E CR 16 Tiffin OH 44883 |
| Aimee Beisner | Aimee Beisner | 2690 TR 165 Tiffin, Ohio 44883 |
| Jerry Carvis | Jerry Carvis | 1044 East County Rd #16 Tiffin, OH |
| DON KLEINFELTER | Don Kleinfelter | 3794 S. TWP. 75 Bloomville OH. 44818 |
| MARILYN ANDERSON | Marilyn Anderson | 44447 S. Twp Rd 159 Tiffin, OH 44883 |
| Sharon Bishop | Sharon Bishop | 6325 SCOTTWOOD RD. Willard, OH. Seneca East School District |
| Deanna Kalb | Deanna Kalb | 1701 N SR 18 Republic OH 44867 |

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|-----------------------------|--|---|
| Dora E. Graham |  | 12445 E County Road 12 Attica, OH 44807 |
| Jodi E. Garetto |  | 4445 S. Twp. Rd. 165 Tiffin, OH 44883 |
| Shelley L. Smith |  | 11376 E TR 8 Republic, OH 44867 |
| Janet Schuele |  | 212 W. Woodwind DR Attica, Ohio 44807 |
| MARILYN HORNETT |  | 17284 E. TR 104 Attica OH 44807 (Seneca Twp) |
| Gail Miller |  | P.O. Box 268 Venice Attica, OH 44807 Twp |
| Richard Miller |  | P.O. Box 268 Venice Attica, OH 44807 Twp |
| Michael Kessler |  | 4133 N Twp Rd 175 Republic, OH |
| Vicki Seliga |  | 6543 Twp. Rd. 81 Bellevue, OH 4481 |
| KENDRA HOLMER |  | 520 S. COUNTY RD 23 REPUBLIC, OH 44867 |
| Michael Holmer |  | 520 S. County Rd 23 Republic, Ohio 44867 |
| Bryan Stacklin |  | 210 South Main St Attica OH 44807 |
| Kristen M Caudill |  | 16535 E TR 12 Attica, OH 44807 |
| Tracy Brown |  | 12628 ECR 6 Attica, OH 44807 |
| Doris Holme |  | 12564 ESR 162 Republic, OH 44867 |
| Peggy Holman |  | 12564 E. TR 162 Republic, OH 44867 |
| Chris Zeman |  | 6868 E. Twp. Rd. 138 Republic, OH 44867 |

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|-----------------------------|--------------------------|--|
| JASON SMITH | <i>Jason Smith</i> | 5514 E. TWP. RD. 130 REPUBLIC, OHIO 44867 |
| Laurie Shellhouse | <i>Laurie Shellhouse</i> | 761 E Twp Rd 28 Tiffin, Ohio 44883 |
| GARY Shellhouse | <i>Gary Shellhouse</i> | 761 E Twp Rd 28 Tiffin, OH 44883 |
| David Graham | <i>David Graham</i> | 1480 S Twp Rd 79 Republic, OH 44867 |
| Diane Stallings | <i>Diane Stallings</i> | 14689 E. Twp 58 Attica, Ohio 44807 |
| Stephanie Miller | <i>Stephanie Miller</i> | 13531 E. CR 36 Republic, OH 44867 |
| STEVE C SHUFF | <i>Steve C Shuff</i> | 91 Colburn Dr Tiffin OH 44883 |
| Jarren A. Smith | <i>Jarren Smith</i> | 5139 E Twp Rd 44 Tiffin, OH Bloomville, OH 44801 |
| Donna J. Kin | <i>Donna J. Kin</i> | 560 E. Twp. Rd. 149 Tiffin, OH 44883 (Eden Jct) |
| Judy Watson | <i>Judy Watson</i> | 11944 E. Twp Rd 122 REPUBLIC, OH 44867 Rep. Twp. |
| Deborah Weisman | <i>Deborah Weisman</i> | 5981 SHERMAN NORWICH RD Belle Vue, OH NORWICH Twp |
| JAMES E HOFFERT | <i>James E Hoffert</i> | 7240 S. C. Rd. #47 Bloomville, Ohio 44819 |
| Margaret Rath | <i>Margaret Rath</i> | 13784 E Twp Rd #122 Republic, Ohio 44867 |
| Tamra Andrews | <i>Tamra Andrews</i> | 11178 E. US Hwy 224 Attica, OH 44807 |
| Anthony Andrews | <i>Anthony Andrews</i> | 11178 E. US Hwy 224 Attica, OH 44807 |
| Linda L Hetzel | <i>Linda Hetzel</i> | 4697 S.T.R. 151 Tiffin, OH 44883 |
| Dennis F. ALT | <i>Dennis F Alt</i> | 14855 Rte 9 Belle Vue, OH 44811 |

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Comment.
file

Michael T. Curran, Captain, USN (Ret.)
9507 Barroll Lane
Kensington, Maryland 20895

23 July 2019

Ohio Power Siting Board
180 E. Broad Street
Columbus, Ohio 43215

Dear Board Members,

I have enclosed research that I have obtained from the archives of The National Library of Medicine (NLM), located on the campus of The National Institutes of Health (NIH). The Soviet articles from the 1970's and 1980's were in Cyrillic, which I had translated at my own expense.

The wind turbine companies have submitted "research" that they claim shows that infrasound will not cause any harm to the population in close proximity to the planned wind farms. However, of the three "research papers" provided, two were either funded by the wind companies, or were written by direct consultants and employees of the wind companies, implicating strong potential for biased conclusions. The third paper specifically stated that it only reviewed articles in certain languages (not Russian) and only articles written after the year 2000. All three articles state that they extensively reviewed the databases of either Medline or PubMed, the medical literature of The National Library of Medicine (NLM) in Bethesda, Maryland.

I wish to state that I believe that the research provided by the wind turbine companies is terribly deficient and is the result of either:

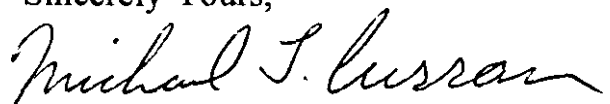
- 1) Extremely incompetent and/or lazy investigatory research into articles which are readily available to on site, public examination on the grounds of NLM, or more sinister:
- 2) Intentionally misleading as to the potential for adverse health effects of infrasound to internal organs of laboratory tested animals and humans.

Soviet researchers performed extensive testing of the effects of infrasound on laboratory animals and humans. The results of the Soviet research would appear not to fit the agenda of the wind companies promotional spin. Many more Soviet articles are available for review in the archives of NLM than the three translations, which I have provided for you in this folder. However, a researcher can only access the Soviet articles by being physically in the library and request the article to be brought to the reading room for examination. That is how I conducted my research. It is plainly evident that the wind company researchers did not and never intended to perform their research in this fashion.

In addition to the Soviet article translations, I have included the photographs of the articles and the journal covers of the articles showing the NLM stamp of the journal incorporation into the library.

I have also included a very recent article from March 2019, presented at the 136th Congress of the German Society for Surgeons in Munich, Germany by Professor Christian-Friedrich Vahl, Dr. Ryan Chaban and their research team. Professor Vahl is the director of the Clinic for Heart, Thorax and Vascular Surgery and Dr. Chaban is a Cardio-Thoracic Surgeon at University Hospital of Johannes Gutenberg University, Mainz, Germany. The research by Professor Vahl, Dr. Chaban and their team is presently ongoing. Finally, I have included a research article by Professor Ana Lousinha and her team in Portugal from November of last year. Both articles are showing adverse internal organ effects very similar to what the Soviets were uncovering thirty to forty years previously.

Sincerely Yours,


Michael T. Curran, Captain, USN (Ret.)

To Whom It May Concern:

I would like to voice **STRONG OPPOSITION** to large wind turbines in Seneca County!

They are extremely invasive and **HARMFUL** to our landscape and the environment, both above and below ground. This is irresponsible and **UNACCEPTABLE!** I am disgusted with the corporations wanting to bring these structures to this area and disappointed in the land owners that think this is an option for their property in keeping with being good stewards of the land.

These 'structures' will be a deterrent to future citizens and families wanting to locate and raise a family in a rural setting.

The invasion of these turbines is indicative of corporate greed with very few citizens 'conned' into the belief that they will benefit financially. In the long run, no one has ever benefitted by long term destruction of property. This cannot be considered 'progress' in any way.

No one in this area will benefit from any 'green energy' electricity generated by these structures. This scam is trying to take advantage of land owners. This type of energy generated is **NOT GREEN** in any way.

I am appalled to think that such structures would even be permitted in this area and feel that the townships and the county citizens have been blindsided by the invasions of these corporations. I question the 'weaseling' of the businesses trying to invade our space by telling lies and half truths to citizens.

Diane Stallings

14689 East Venice Twp. Rd. 58

Attica, Ohio 44807

419-934-2105

My name is Mike Holmer, and I live in Scipio Township in Seneca County, Ohio, with my wife Kendra, and our two children. We have lived here for almost 24 years. In 1994, my parents offered us land to build a home on. After helping to farm this ground over the years, I knew that the land I chose would be a very nice place to build a house, and raise a family. It was quiet, had great scenery, and was private, being as though it was set next to several acres of woods. We moved into our new home in October of 1995, and it has been a wonderful place to live. It's quiet, and we have unobstructed views of beautiful sunrises, and sunsets. The stars at night are amazing, and we can sit by a fire out back, and enjoy our peaceful evenings together. But, all of this could possibly change, as we are located directly within the footprint of the Seneca Wind Project.

In 2008, my dad informed us that he attended a windmill meeting (his words, not ours), and signed a lease for his farmland. This lease included the land where his house is located, as well as ours. Needless to say, we were not happy hearing this information, as he did so without our knowledge, or input. Angry would be more appropriate, but at that point, it was too late to do anything about it. Apparently, the wind turbine company at that time offered perks, such as electricity at reduced rates. Who wouldn't be interested in that? Cheaper electricity, or not, my wife and I did not want anything to do with these industrial wind turbines. We do not want them on our land, and do not want them near our house. Mostly, we do not want our quiet rural area to become urbanized by planting 600'+ tall industrial wind turbines set 1200', or less from our home. This is not what we signed up for when we started to build our house 24 years ago.

I read an article in the Tiffin Advertiser Tribune in February of 2019 where Seneca Wind noted that they are following all state regulations regarding the wind turbines. Dan Williamson, representing Seneca Wind said, "The project has been doing environmental studies for several years, and will comply with all Ohio regulations, including these pertaining to wildlife, wetlands, noise, flicker, and setbacks". How can you compare the smaller industrial wind turbines in other parts of the country, with the turbines that are proposed to be built here in Seneca County? The Seneca and Republic windfarm turbines are up to 1-1/2 times taller. They will naturally cause more infrasound, more noise, more shadow flicker, and kill more wildlife. It scares the living daylights out of us that these will be built right across the road from our home. We feel that the setback distances should be relative to the size of the turbines being built, but that is not the case. We will have to live with these turbines for the rest of our lives, as once they are built, they will NEVER go away. We urge, plead, and beg you to not allow these monstrosities to be built in Seneca County!!

Thank you for your time.

Respectfully yours,

Michael D. Holmer

520 S. County Road 23

Republic, OH 44867

Scipio Township, Seneca County

My husband and I did not buy our home in the country to live in a waste land of wind turbines. We moved to the country and bought our forever home to be able to enjoy nature, a beautiful sunset (without turbines in the background) & the peace and quiet that country living has to offer.

I am very concerned about the negative side effects these turbines will have to my family, my neighbors, my community, & our beautiful country side we call home.

If you build these turbines we will be forced to try and sell our dream fixer upper we have worked so hard on. We will have to uproot our children to try & keep them safe & healthy.

These turbines will cause consistent noise & shadow flicker! Turning our beautiful scenery unenjoyable! Our wildlife will be impacted by death of birds, bats, & bald eagles! And who knows what these turbines will do to our live stock, fields, & our water!



Everyday we are faced with possibilities of something happening to us that could harm or even kill us! Why make our chances even higher by building these turbines in our back yards!?! These turbines can explode, its parts being thrown at our homes, us driving & our children! ~~Wow~~ I ask you this, would you want to put your family & your children at risk just for money?! Because at the end of the day this is all its about! Not our safety, not our health, not our wild life,

At the end of the day its all about the money....

Andrea & Forrest
Zender

3401 East CR 6
Tiffin Oh 44883

Siting Board
Ohio Power ~~Siting~~ Meeting
Seneca Wind LLC
Case NO. 18-488-EL-BGN

7-23-2019

I am fully ~~opposed~~ ^{opposed} to the wind turbine project fee:

- 1) Lowering my home value - ^{Proven it will lower} home values according to real-estate agents
- 2) Because of set back Restrictions, I will not be able to build on my own property.
- 3) Decreasing my ability to purchase land or housing in the affected areas
- 4) Staring at a 400-600' Eyesore was not in the plan 18 yrs ^{ago} when I built my home.
- 5) Should not have to put up with the noise and Flicker caused by industrial wind turbines

Robert Distel
Robert Distel
1793 ECR 16
Tiffin Oh.

7/23/19

I would like to make a statement regarding the potential placement of the Seneca Wind farm in Seneca County, Ohio.

I am in opposition of the industrial wind turbines that are being questioned. I do not wish to have the potential of my family's home value decrease, and the biggest downfall is the lack of tangible research that the wind turbine company has done regarding adverse health effects. S Power refuses to acknowledge that there have been studies done showing that infrasound and shadow flicker do, in fact, cause health problems in the long term. This is not acceptable, especially considering the low output and not making a large/substantial contribution to the PJM grid. My family's health and well-being is of utmost importance.

Lynndie Stahl
2386 S Township Rd 181
Bloomville, Ohio 44818
(Scipio Township)

Lynndie M. Stahl

I am writing in opposition of the Seneca Wind Project.

Seneca County has been my home for 27 years. A majority of my immediate and extended family reside in this area as well as numerous longstanding friends. My husband and his family have also resided in this county for even longer. My husband and I reside on the property he grew up on, and have put forth both time and money toward restoring the home and farm property. We are also starting our own family, expecting our first child within the next 2 months. We plan for our child(ren) to attend Seneca East Locals Schools, as we are alumni as are both our parents. Seneca County has been our home for 25+ years and we intend to stay here for decades to come.

The Seneca Wind Project, as well as other planned wind projects in the area, has made us question the future of our home. The negative and harmful effects of industrial wind turbines are well-established in the non-biased literature, related to shadow flicker, infrasound, blade throw, and more. Our homeland scattered with industrial wind turbines would not be safe. The availability of Life Flight in this area will be questionable, which raises another red flag for the safety of this community. There are 16 wind turbines planned within 2 miles of Seneca East Local Schools. Sending my children to Seneca East would not be safe. All of these issues concern us enough that we will likely leave home and attempt to move elsewhere. If we are even able to find a buyer, the time and money spent toward restoring our home and farm property would be lost as it is also well-established that property values decrease.

Our story is not unique. Hundreds to thousands of others in Seneca County with a story very similar to ours will be negatively impacted by the industrial wind turbines planned in the Seneca Wind Project. There is overwhelming opposition to the Seneca Wind Project throughout the county. Please do not take our home away from us.

Jessica Bordner

9395 East County Road 58

Bloomville, Ohio 44818

5/8/18

IE: Wind Turbines

PHILIP G SNYDER
6910 S. State Route 100
TIFFIN, OH 44883

Dear Seneca County Commissioners,

My name is Phil Snyder living in Melmore and enclosed is a copy of an email question and reply from State Senator Burke's office.

I was surprised and glad to find out that city dwellers (Senator Burke's reply enclosed) were not the last line of defense for the purposed wind project. Something is wrong with this picture, as no serious drawbacks were brought up when John Deere hit the area to get us to lease our property. All we saw was dollar signs and was too greedy to look at the effect these turbines would have on our landscape and the citizens of Seneca County. We heard no personal experiences concerning these projects at the time. It seems you folks could have researched other areas where wind generators have been installed. I realize each of us should have done this also. A discussion in the paper would have been nice, (maybe some pictures) and possibly had some meetings like the John Deere people had with us. Just lately, two people (not at the same time) that I know personally went to Van Wert; they knocked on the door of turbine owners. One talked to 3 people the other 2 owners; each said they were disappointed that they had signed up.

The worst is, the project is underway and **now** the serious barking is going on, how awful. Smells like the County sales tax that got voted down and 3 weeks later the 'no tax' gets reversed by the commissioners. The people need to have their say also. Hopefully you will do your due diligence before signing off on these large turbines that are going be peppered all over our Seneca County.

Respectfully

Phil

*Copies sent to
advertising turbine
6/21/18*

To whom it may concern:

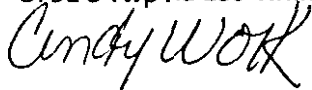
I am writing this to inform you of my opposition to the wind turbine project in Seneca County and the surrounding areas. I am not able to be at the meeting to express my opinion but I feel it needs to be heard. I have lived in Seneca County my entire life. My husband and I grew up in Seneca County and decided to raise a family in this area that we love. I am concerned of having these giant wind turbines in the county and am concerned for the health and safety of myself, my family, my friends and neighbors. There has been numerous studies that have been brought to light regarding the wind turbines with the flicker, the sound frequency, contamination of ground water and not to mention, to wildlife and the effect of the view from my area. I do not have a projected turbine to be placed on my property but it is projected to be within 5 miles of my home that my husband and I built. I don't feel that it is right that a few people have the right to endanger my health and well-being for the sake of profit. Seneca County is not the proper place for these turbines to be placed. The area is too populated to risk the health and well-being of the population and to cause potential harm to the growing bald eagle population that is increasing yearly. Please consider how you yourself would feel about having this in your neighborhood and risk of contaminating the ground water. The water would not be suitable to drink, bathe in, or to water animals. Once the water is contaminated there is no going back. This is not something that I am comfortable risking and neither should you. Please consider saying no for all of the health and well-being of the people of Seneca County.

Thank You.

Sincerely

Cindy Work

3791 S Twp Rd 159 Tiffin

A handwritten signature in cursive script that reads "Cindy Work". The signature is written in black ink and is positioned below the printed address.

To: OPSB

As A longtime resident of Seneca County And Eden Township, I Am opposed To The wind Turbine project proposal.

My family, along with the overwhelming majority of Seneca Co. residents, do not want these massive wind turbines infiltrating our beautiful county, changing the landscape forever!

My concerns align with many others in this community. Besides ~~destroying~~ the beautiful countryside of Seneca County, there are other issues such as shadow flicker, environmental issues, safety concerns, health concerns, well water concerns, and interference with life flight helicopters - aviation - crop dusters just to name a few.

This is not for Seneca County!

Thank you.
Scott Work
Eden Twp. Resident

Members of the OPSB thank you for taking your time to listen to the concerned people of Seneca county. My name is Colin Schatzinger, my wife Janelle and I have lived in this county our entire lives and couldn't imagine raising our two kids elsewhere. This is where our friends, family, and lives are. We recently purchased our dream home just North of Republic in the Seneca East school district. Our last house was half a mile away from here This is were we want to be, this is home.

We are strongly opposed to the turbines. We see absolutely no good in them for the area. That doesn't mean we oppose green energy. I work for an electrical contractor and I was recently working at a factory in Findlay were there are two turbines right behind the factory and I think they are perfect there. Its already an industrial setting and the factory is collecting the power being generated and they are paying for the turbines. That makes sense to me its they already have the factory noises and the environment and they are paying for it so they should benefit.

However when they are in my backyard which is far from an industrial setting that we are paying for as tax payers with zero benefits to us that makes no sense what so ever. I was fortunate to spend some time close to these in Findlay so I could come up with my own opinion on these. Every time the wind would shift directions the head turns to keep the blades into the wind and with that there was a loud squeal. I first thought it was coming from the train tracks but after watching them further I realized it was the turbines and I know that not all of them would do that but both of these made a very loud noise each time it would adjust. I also got to experience shadow flicker which was actually more annoying and distracting than I thought it would be. Neither one of these two issues would I like to experience at my house. I live in the country for the peace and quite not to be surrounded by these industrial machines. To make matters even worse I think there is sixteen of them slated to go within a two mile raduis of my kids school which is Seneca East. From the little I experienced with them that would make for horrible learning enviroment. School is hard enough without the extra distractions from something that isn't needed. But the biggest issue is the effect on the emergency medical helicopters. If they cant land in the vicinity of where they are needed because of a wind turbine thats a shame. Somebodys life is on the line and their odds maybe worse. That is not worth the money or anything else these things are supposed to bring to the area. To me its even more concerning with my kids school. If a kid gets hurt they may not be able to get the care in the time they need it when every second counts.

This area is our home. I don't live in a city for a reason and not sure why everything we have worked for should be jeopardized along with the safety of all the people. There is absolutely no reason for the kids to be subject to that at their school and there well being sacrificed for the financial gain of someone else and an out of state company. These wind turbines are not efficient, without the subsidies these projects wouldn't be possible. It's all financially driven to benefit other people, not the ones that have to live with them. Please think about the people that are affected.

Thank You,
Colin Schatzinger
Republic, Ohio
419-779-2817

July 22, 2019

Seneca Wind

Ohio Power Siting Board Public Hearing

Dear Members of the Ohio Power Siting Board,

My name is Rick J. Coffman. My place of residence is 3220 East County Road 6, Tiffin, OH. This is located in Seneca County, Ohio and in particular, Eden Twp. My property is adjacent to a portion of the proposed Seneca Wind Project. I have been a resident of Seneca Co. my entire life and have lived in my current home for approximately 38 years.

Blood, sweat and tears are an integral part of the home where my children were raised, triumphs have been celebrated, achievements have been made, pain has been healed. As I am sure it is for many people, my home is my castle, a place of refuge for myself and my family.

The 600 foot plus tall wind turbines proposed by Seneca Wind do not belong in Seneca County. The list is long and frightening as to why not. In my opinion, wind turbines do not have a proven efficiency, they pose many dangers to everyone around them and in this case, any output or benefit derived from them is **not** in favor of the residents who would be forced to live **with** them. This project would have a negative impact on the majority of the residents, only to benefit a few.

In closing, I assert that the allowance of the proposed Seneca Wind project would be intrusive to the peace and tranquility of the county, as well as an infringement on the legal right to the "pursuit of happiness" of myself and those around me. To impose such a monstrosity of a project on heavily populated Seneca County would be both immoral and criminal without fair consideration of county residents input. I propose that this project be disallowed of any future development.

Thank you for your time,

Rick J. Coffman

July 22, 2019

Seneca Wind

OPSB Public Hearing

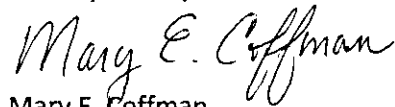
My name is Mary Coffman. I have been a resident of Seneca County my entire life. I have lived at 3220 East County Road 6, Tiffin, OH for 38 years. I live in Eden Township and adjacent to proposed Wind Turbines of the Seneca Wind Project. I want my opinion to be heard. I am not a fan of speaking in front of audiences, so I will try to put my feelings into words on paper.

I chose this location to make home and raise my children many years ago. I chose it because of the schools, the land, the tranquility and the scenery. My children were able to walk to a fine elementary school growing up. We own a beautiful small piece of property along Honey Creek just on the edge of the village of Melmore. The proposed wind turbines over 600 ft. tall will destroy our land, tranquility and scenery.

I have blood, sweat and tears invested in this property. I raised my children here and thought I would remain here for a very long time as I approach retirement age. I feel as though I was deceived by a few neighbors whom stand to gain from the Seneca Wind Project. I knew nothing about this project until we received a letter in the mail March of 2018 explaining our property was adjacent to potential Wind Turbines. A few residents stand to gain monetarily from this project and the rest of us will lose. We will lose value on our properties not to mention all the adverse human body effects on a heavily populated county. How can this be fair...we were tricked. This is immoral.

We, the residents, should have a say on wind turbines. Please listen to all the residents. Not just those who stand to gain financially.

Thank you for your time,

A handwritten signature in cursive script that reads "Mary E. Coffman". The ink is dark and the signature is fluid.

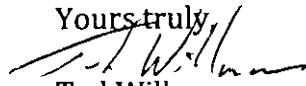
Mary E. Coffman

Seneca County Resident

Dear OPSB

I'm writing this letter in support of the Seneca Wind Project. I have attended several meetings with my father, who is a stakeholder as well as myself as part of the Willman Family Farm Trust. As a personal property holder, I see it as my /our family's right to be able to pursue opportunities that will not only benefit our family, but also the local communities and county as well. It is my hope that you are in favor of this project for all parties who are involved.

Thank you for your time and consideration in reading my/ our family's view on the sPower Seneca Wind Project.

Yours truly,

Ted Willman

Principal of Calvert High School

CHECKS & BALANCES PROJECT™ INVESTIGATIVE WATCHDOG BLOG
Holding Government Officials, Lobbyists and Corporate Management Accountable to
the Public

I've run across a website, <https://checksandbalancesproject.org>, with some rather interesting information related to the wind turbine controversy. Among their many investigations they report on the curious connection between the Charles and David Koch brothers and the anti-wind turbine movement. As many people know, the Koch brothers have very strong financial interests in the coal industry. They also have very deep pockets. As some of the investigations shown on this website point out the brothers have been heavily donating to the anti-wind turbine movement through the many organizations that they sponsor. Over 18 months, Checks and Balances Project conducted the first in-depth investigation into Koch Industries, Inc. and what they call the Koch Advocacy Network. Over 350 low-profile regulatory disclosures and more than 8,000 legal disclosure forms drawn from over 60 public agencies, databases and courts were examined.

Key Points *

Through financial and leadership support, Charles and David Koch have helped launch organizations, several of which they continue to oversee as chairmen or directors.

- Koch-led or Koch-established organizations have contributed over \$192 million since 1997 to 72 groups associated with opposition to clean energy solutions and climate change denial.

- Koch groups gave more than \$108 million to at least 19 groups that fight state clean energy policies.

- The Koch network has spent or pledged a total of \$1.65 billion on lobbying and campaign finance activities to influence public policy, and has an energy policy "litmus test" for candidates it supports. More than 400 elected officials at every government level have signed a Koch-backed commitment to oppose legislation related to climate change taxation. ***(Aren't elected officials supposed to have an open mind about public policies and not be committed beforehand just to get more money from a campaign contributor?)***

- The Koch network spent an estimated 3.4 times more than the top 20 environmental groups combined during the 2014 election cycle and 8 times more than the U.S. Chamber of Commerce.

I sometimes wondered where the money was coming from to buy those 4,000 yard signs saying No Wind Turbines and to finance the anti-wind turbine union and the anti-wind turbine group meetings here in Seneca county.

Coal-fired plants releasing noxious gas and particulates into the air and gas powered plants putting CO₂ into the air contribute to climate change which is bad for people. Continued increased temperatures could cause extinction of some animals and plants which could eventually be very dangerous for continuation of our food supply. We need wind turbines and other means of clean energy for both our sakes and our future generations.

A poll conducted by Ohio Conservative Energy Forum in Jan. 2018 showed that 76 percent of voters support setback limits for wind projects that will allow wind energy investment to occur in rural Ohio while protecting individual landowner's rights to lease their land for wind projects. Nearly four-in-five conservative voters in Ohio (79 percent) said they would tell a Republican candidate to support policies that encourage energy efficiency and greater use of renewable energy in the state.

I feel that there is a silent majority in favor of wind turbines for clean energy. I can only hope that our legislators care enough about what happens concerning clean air, climate change and renewable energy to protect the proposed wind turbines. A wind farm can be expected to generate millions of dollars in new property tax revenue over time, towns and school districts would benefit for years and it would be a job-creating solution embraced by neighboring states.

Let's be concerned for our future generations and about the future of the planet that we live on.

* <https://checksandbalancesproject.org/wp-content/uploads/2017/10/Koch-Brothers-Spending-to-Attack-Clean-Energy-Accelerates.pdf>

To: Ohio Power Sitting Board

July 23, 2019

I am a very concerned Seneca County resident. When it comes to the proposed Wind Turbines. First of all I moved into the country for the peace & quiet & tranquility of rural life. I don't feel having to live beside one is going to help this matter. I think it ~~could be~~ a good thing if it were to help in our electric cost, ~~its not~~ & not ~~the~~ ^{proposed} ~~sizes~~ ~~locations~~ there are astronomical. I have been out west & they are not this big. The noise, the flickering are not to anyones advantage. We the people should have a say in this, not the commissioners vote. What happens if they break? What happens to the wildlife? What happens if there is an emergency for life flight? What about the crop dusting? What about my property value? The bottom line is I see more disadvantage than advantage.

More cons than pros.

Thank you for your time & concern.

Sincerely,

Michelle Coffman

1731 E Trip Rd 28

Tiffin, OH 44883

Jodi A. Renwand
3081 N. State Route 18
Republic, OH 44867 07/23/2019

Ohio Power Siting Board

Dear Ohio Power Siting Board:

I am a long-time resident of our county, and I am writing to express my concern about Seneca Wind LLC's planned 212-megawatt wind farm in my back yard. My family came to Seneca County in the 1830's when this land was heavily wooded and inhabited by mostly Indians. The property where I currently live was purchased by my Great-Grandparents back in the 1950's, while the old homestead 3 miles up the road remains in our family.

I support "green" as I reduce/re-use/recycle in my daily life. However, in my opinion, the detrimental effects of the 650+ foot high industrial wind turbines proposed in our beloved county outweigh any positive environmental impacts. My 100+ year old barn has been home to a colony of bats for as long as I can remember. I'm concerned about the impact these turbines will have on bat colonies, which in turn affects the insect population, which in turn means the use of more pesticides by some of the same farmers who want these wind turbines.

About ten years ago, for the first time in my life, I spotted an American eagle just 4 miles from my house. Since that time, I have seen adults as well as juveniles soaring in the skies less than ¼ mile from my home. The thought of these majestic symbols of our country being mutilated by turbine blades turns my stomach.

Other questions remain unanswered or are quickly negated and swept aside. What are the long-term health issues resulting from shadow flicker and the increase of noise decibels? How can life flights land nearby in an emergency? What will happen to our property values? Who pays to repair the county and township roads damaged by the influx of heavy equipment? How do farmers continue to use crop dusters and plant seed from the air? Why must I look at structures that resemble large city skyscrapers from what is now my peaceful country back yard? These are just a few of my many, many concerns.

Are these tradeoffs that we really want to make to benefit outside investors and a select few landowners, while the rest of us seem to have no voice? I am looking forward to your response.

Sincerely,

Jodi A. Renwand

A handwritten signature in black ink that reads "Jodi A. Renwand". The signature is written in a cursive, flowing style with a large, prominent "J" and "R".

July 23, 2019

To: Ohio Power Siting Board

RE: Republic Wind project

To whom it may concern:

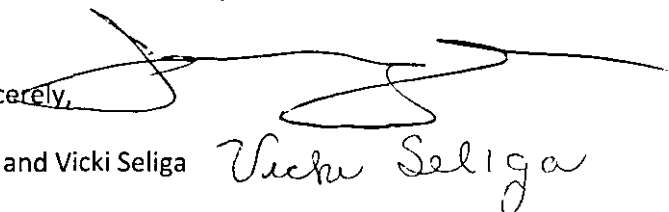
This letter is to voice our opposition to the Republic Wind turbine project of potentially 200+ turbines in Seneca County, Ohio, based on the following reasons.

- The way in which Apex came into our communities and placed gag orders on the lease holders as well as recruited our county commissioners and township trustees makes us question their integrity. We the citizens were the last to know about what was being planned for us in our own backyards.
- Our area, as well as others in our county, overlie an area of karst which already compromises our land, water wells, causes sink holes and flooding. Due to the massive amount of blasting required by these massive monstrosities, some as tall as 650 feet, we fear additional compromise of the above.
- Wind projects do not make sense except for the wind companies who reap the subsidies
- Decreased property values, damages to our roads and field tiles
- Proven infrasound effects
- Shadow flicker, noise, ice throws, mechanical failures
- Other health and safety disorders such as sleep difficulties, vertigo, nausea, headache, stress
- Inability of Life Flight to fly or land within a certain parameter of the wind turbines
- Bird and bat killings
- Ruination of our scenic landscape and roads and the graveyards of what happens to these structures when they are no longer needed or not repaired

We speak for ourselves and our neighbors to ask you to please put a STOP to this project in Seneca County, Ohio.

Sincerely,

Jim and Vicki Seliga



Vicki Seliga

6543 Twp. Rd. 81

Bellevue, (Seneca County) Thompson Township, OH 44811

OHIO KARST AREAS

Karst is a landform that develops on or in limestone, dolomite, or gypsum by dissolution and that is characterized by the presence of characteristic features such as sinkholes, underground (or internal) drainage through solution-enlarged fractures (joints), and caves. While karst landforms and features are commonly striking in appearance and host to some of Ohio's rarest fauna, they also can be a significant geologic hazard. Sudden collapse of an underground cavern or opening of a sinkhole can cause surface subsidence that can severely damage or destroy any overlying structure such as a building, bridge, or highway. Improperly backfilled sinkholes are prone to both gradual and sudden subsidence, and similarly threaten overlying structures. Sewage, animal wastes, and agricultural, industrial, and ice-control chemicals entering sinkholes as surface drainage are conducted directly and quickly into the ground-water system, thereby posing a severe threat to potable water supplies. Because of such risks, many of the nation's state geological surveys, and the U.S. Geological Survey, are actively mapping and characterizing the nation's karst regions.

The five most significant Ohio karst regions are described below.

BELLEVUE-CASTALIA KARST PLAIN

The Bellevue-Castalia Karst Plain occupies portions of northeastern Seneca County, northwestern Huron County, southeastern Sandusky County, and western Erie County. Adjacent karst terrain in portions of Ottawa County, including the Marblehead Peninsula, Catawba Island, and the Bass Islands, is related in geologic origin to the Bellevue-Castalia Karst Plain. The area is underlain by up to 175 feet of Devonian carbonates (Delaware Limestone, Columbus Limestone, Lucas Dolomite, and Amherstburg Dolomite) overlying Silurian dolomite, anhydrite, and gypsum of the Bass Islands Dolomite and Salina Group.

The Bellevue-Castalia Karst Plain is believed to contain more sinkholes than any of Ohio's other karst regions. Huge, irregularly shaped, closed depressions up to 270 acres in size and commonly enclosing smaller, circular-closed depressions 5 to 80 feet in diameter pockmark the land between the village of Flat Rock in northeastern Seneca County and Castalia in western Erie County. Surface drainage on the plain is very limited, and many of the streams which are present disappear into sinkholes called swallow holes.

Karst in the Bellevue-Castalia and Lake Erie islands region is due to collapse of overlying carbonate rocks into voids created by the dissolution and removal of underlying gypsum beds. According to Verber and Stansbery (1953, *Ohio Journal of Science*), ground water is introduced into Salina Group anhydrite (CaSO_4) through pores and fractures in the overlying carbonates. The anhydrite chemically reacts with the water to form gypsum ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$), undergoing a 33 to 62 percent increase in volume in the process. This swelling lifts overlying strata, thereby opening fractures and creating massive passageways for conduction of greater volumes of ground water through the Silurian Bass Islands Dolomite and into underlying Salina Group strata. Gypsum, being readily soluble in water, is dissolved, creating huge voids. Overlying carbonates then collapse or break down, leaving surface depressions similar to those resulting from roof failure of an underground mine.

DISSECTED NIAGARA ESCARPMENT

The dissected Niagara Escarpment of southwestern Ohio includes the largest single area of karst terrain in the state and the greatest number of surveyed caves. It also is estimated to include the second-largest number of sinkholes in the state. The area is underlain by Silurian rocks of the Peebles Dolomite, Lilley Formation, Bisher Formation, Estill Shale, and Noland Formation in Adams, Highland, and Clinton Counties and the Cedarville Dolomite, Springfield Dolomite, Euphemia Dolomite, Massie Shale, Laurel Dolomite, Osgood Shale, and Dayton Formation in Greene, Clark, Miami, Montgomery, and Preble Counties. The Peebles-Lilley-Bisher sequence and the Cedarville-Springfield-Euphemia sequence constitute the Lockport Group.

Most karst features along the Niagara Escarpment in southwestern Ohio are developed in Lockport Group strata. More than 100 sinkholes and caves developed in the Lockport have been documented in the field, and more than 1,000 probable sinkholes in the Lockport have been identified on aerial photographs, soils maps, and topographic maps. As with most karst terrain, sinkholes developed on the Niagara Escarpment commonly show linear orientations aligned with prevailing joint trends in the area. The greatest concentration of sinkholes on the escarpment is south of the Wisconsin glacial border in southern Highland and Adams Counties, where highly dissected ridges capped by Silurian carbonate rocks rise 150 to 200 feet above surrounding drainage. Illinoian till in these areas is thin to absent, and soils are completely leached with respect to calcium and calcium-magnesium carbonate. Such geologic settings are ideal for active karst processes, as downward-percolating, naturally acidic rain water is not buffered until it has dissolved some of the underlying carbonate bedrock. Other significant karst features of the Niagara Escarpment include small caves in escarpment re-entrants created by the valleys of the Great Miami and Stillwater Rivers in Miami County.

BELLEFONTAINE OUTLIER

The Bellefontaine Outlier in Logan and northern Champaign Counties is an erosionally resistant "island" of Devonian carbonates capped by Ohio Shale and surrounded by a "sea" of Silurian strata. Though completely glaciated, the outlier was such an impediment to Ice Age glaciers that it repeatedly separated advancing ice sheets into two glacial lobes—the Miami Lobe on the west and the Scioto Lobe on the east. Most Ohioans recognize the outlier as the location of Campbell Hill—the highest point in the state at an elevation of 1,549 feet above mean sea level.

Although it is not known for having an especially well-developed karst terrain, the outlier is the location of Ohio's largest known cave, Ohio Caverns. The greatest sinkhole concentrations are present in McArthur and Rushcreek Townships of Logan County, where the density of sinkholes in some areas approaches 30 per square mile. Sinkholes here typically occur in upland areas of Devonian Lucas Dolomite or Columbus Limestone that are 30 to 50 feet or more above surrounding drainage and are covered by less than 20 feet of glacial drift and/or Ohio Shale.

SCIOTO AND OLENTANGY RIVER GORGES

The uplands adjacent to the gorges of the Scioto and Olentangy Rivers in northern Franklin and southern Delaware Counties include areas of well-developed, active karst terrain. These uplands also are among the most rapidly developing areas of the state, which means karst should be a consideration in site assessments for commercial and residential construction projects.

The Scioto River in this area has been incised to a depth of 50 to 100 feet into underlying bedrock, creating a shallow gorge. The floor, walls, and adjacent uplands of the gorge consist of Devonian Delaware and Columbus Limestones mantled by up to 20 feet of Wisconsin till. Sinkhole concentrations up to 1 sinkhole per acre are not uncommon in Concord, Scioto, and Radnor Townships of Delaware County. The sinkholes range in diameter from about 10 to 100 feet and commonly are aligned linearly along major joint systems.

The Olentangy River is approximately 5 miles east of the Scioto River in southern Delaware County and occupies a gorge that is narrower and up to 50 feet deeper than the Scioto River gorge. The floor and the lower half of the walls along the Olentangy gorge are composed of Delaware and Columbus Limestones, the upper half of the walls is composed of Devonian Ohio and Olentangy Shales mantled by a thin veneer of glacial drift. Karst terrain has developed along portions of the gorge in a manner similar to karst terrain along the Scioto River.

ORDOVICIAN UPLANDS

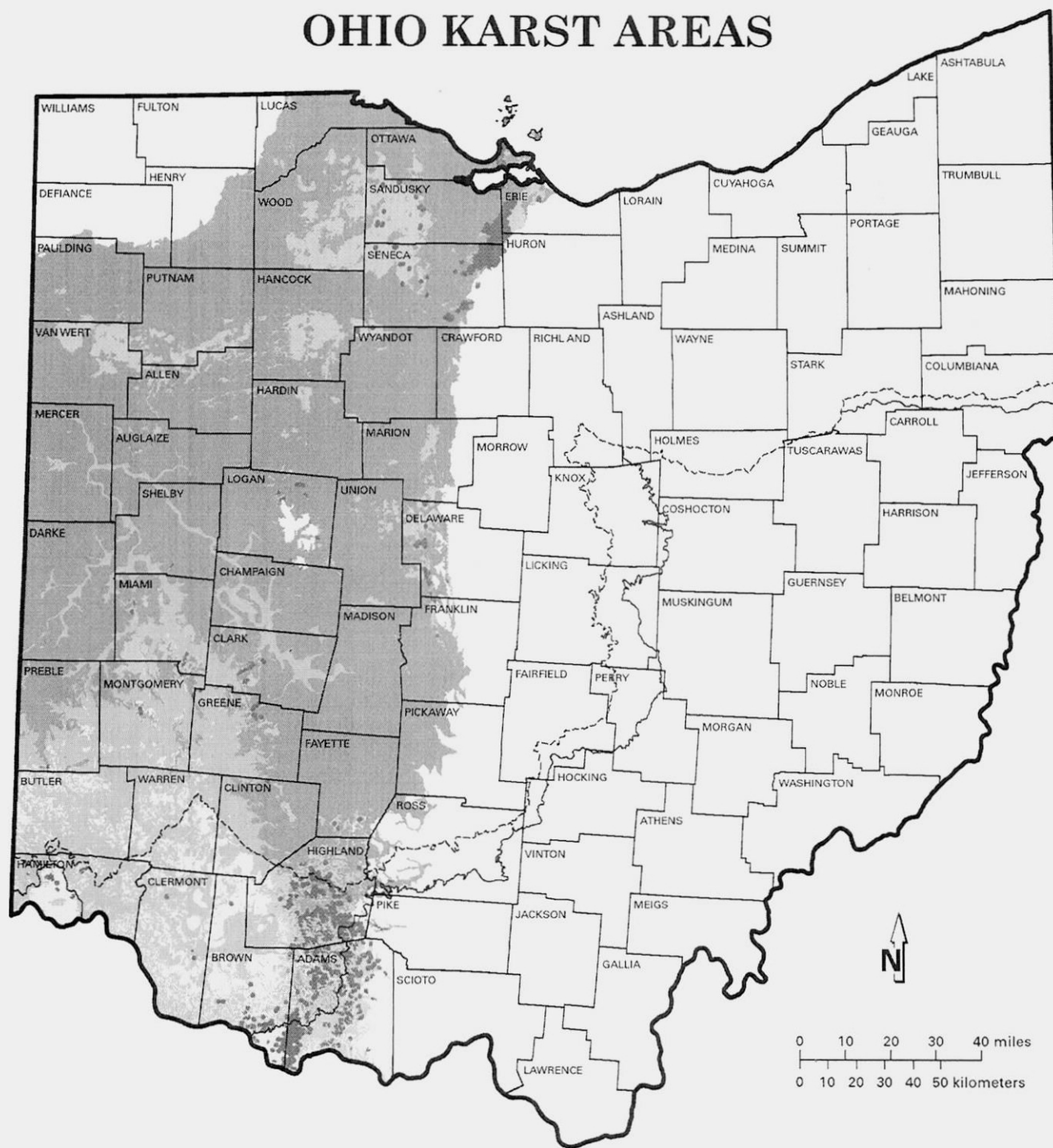
The Ordovician uplands of southwestern Ohio are the location of surprisingly well-developed karst terrain despite the large component of shale in local bedrock. Numerous sinkholes are present in Ordovician rocks of Adams, Brown, Clermont, and Hamilton Counties.

The carbonate-rich members of the Grant Lake Formation (Bellevue and Mount Auburn), Grant Lake Limestone (Bellevue and Straight Creek), and the upper portion of the Arnheim formation are the Ordovician units most prone to karstification; however, the shale-rich (70 percent shale, 30 percent limestone) Waynesville Formation also has been subjected to a surprising amount of karst development in southeastern Brown and southwestern Adams Counties, just north of the Ohio River.





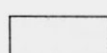

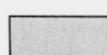

ACKNOWLEDGMENT

The Division of Geological Survey gratefully acknowledges the Ohio Low-Level Radioactive-Waste Facility Development Authority for its financial support for mapping Ohio karst terrain.

OHIO KARST AREAS



EXPLANATION

- | | | | |
|---|---|---|--|
|  | Silurian- and Devonian-age carbonate bedrock overlain by less than 20 feet of glacial drift and/or alluvium |  | Probable karst areas |
|  | Silurian- and Devonian-age carbonate bedrock overlain by more than 20 feet of glacial drift and/or alluvium |  | Area not known to contain karst features |
|  | Interbedded Ordovician-age limestone and shale overlain by less than 20 feet of glacial drift and/or alluvium |  | Wisconsin Glacial Margin |
|  | Interbedded Ordovician-age limestone and shale overlain by more than 20 feet of glacial drift and/or alluvium |  | Illinoian Glacial Margin |



Jim Miller
4665 S. St Rt 67
Tiffin, Oh. 44883

As I sit in front of my bay window
Looking at a couple old barns and a stone
house, that was built in the 1800's, I put
that window in for the view of rural Ohio.
I ask myself why we want a ~~ten~~ large
scale wind farm implanted here?
Now I hate to sound like a three year
old but why?

why: ~~to~~ be the testing grounds for these
huge sky scrapers?

why: Supply people states away with clean
energy and not receive any ourselves?

why: not put these massive wind farms
in extremely less populated areas?

why: not let the majority decide on this
and not large corporations

why: Trust someone to decommission
these things when, since April 24th
Seneca Wind will not return my calls
after following up (7) seven times since.

There are many more "whys" that can be
Added. I invite all committee members to
come to Seneca County and drive our rural
roads to see the large number of yellow and
black signs that line them. Just say "No"
to large scale wind farms. Thank you for
your time.

To: The Ohio Power Siting Board

Subject: Opposition to proposed wind projects in Seneca county.

I am opposed to the construction of industrial wind farms in Seneca county for the following reasons:

-
- I'm concerned the current set backs are inadequate to assure the safety of neighboring properties. There are recorded incidents of turbine projectiles traveling in excess of 550 meters (typically blade fragments, not ice). Ontario province has chosen to set back further than manufacturers recommendation. In the same heading would be sub-sonic noise and shadow flicker.
- Possible / probable interference with aircraft operation such as life flight, and crop services.
- Reliability, at less than 30% capacity simple cycle or combined cycle generation is required to stabilize the grid. An unstable grid is not good.

MICHAEL BORDNER
8361 N. ST. RT. 19
GREEN SPRINGS, OH. 44036

Public Utilities Commission Of Ohio

Ohio Power Siting Board

Re Case No. 18-0488-EL-BGN

I am a resident of Eden Township, Seneca County and would like to go on record as being opposed to the Seneca Wind project in my immediate area of residence.

Firstly I object to the OPSB overriding our local zoning regulations. We purchased our rural property in Eden Township and we thought that we had a degree of protection from large industrial facilities being erected in our township by virtue of our zoning variance procedures that allow input from affected property owners. The system is in place for our personal safety and protection of our property values but we are not allowed to use it. This wind project should be subject to a vote by the local residents who will be affected by the project. If the locals vote for the project then so be it. If they vote against the project it indicates that the project is not suitable to the local residents and should not be built. There are hundreds of property owners in this designated project area that sought a peaceful area to live, enjoy and raise their families. I, like many of my friends and neighbors take pride in our properties and would not like to see our property values decline due to the near proximity of large industrial wind turbines. This area of Seneca County is far too densely populated for a wind project of this magnitude. A recent housing study in nearby Tiffin indicated the serious need for housing. New housing will be virtually eliminated in the area of an industrial wind facility such as that proposed by Seneca Wind, thus greatly affecting our local economy.

Another serious objection to the wind project in our area relates to limiting access to large areas of our densely populated county by Life Flight Emergency Services. There are many county, township and state roads in near proximity to the projects' proposed Industrial Wind Turbines that will not be accessible to air emergency services. The turbines will pose safety hazards to emergency helicopters and will necessitate designated landing areas away from turbine locations. When minutes can mean the difference between saving and losing a life after an auto accident, I find this situation unacceptable.

Thirdly, I do not think there is a need for the proposed energy production. If there was a need in our area for increased energy production, we would logically build natural gas powered facilities using the abundant supply of gas that currently travels via pipeline through our county. Much of the gas travelling through the Rover Pipeline ends up in Michigan or Canada because there is no real need for it in our area. The Industrial Wind Turbines that are proposed are very inefficient compared to a gas plant and do not have the ability to replace any existing power producing facilities.

I urge the OPSB to accept the Staff recommendation to deny the Seneca Wind permission to build.

Respectfully submitted,

Stephen Cortshell

3335 S Township Rd 17, Tiffin, OH 44883 (Eden Township)

We feel our community
would be effected because
first of all Life Flight would
be in danger & if our airport
will be restricted industry would
suffer. Including farming

Also the expense we believe
would not be feasible. The (We)
taxpayer are going to have
to be required to invest
more than will be returned ever.

The infrastructure will be
damaged. The pipeline was a good
example. Some things can not
& will not be repaired.

Dale Wagner Shirley Wagner

To OPSB

I am an Attica resident who will be affected to a certain extent by these wind turbines. My decision to be against the turbines has not come without weighing both sides as I am for clean energy. And if these turbines were in a much less populated area, where winds are more prevalent, I would be for them. But that is not the case here.

In order to capture the most wind possible, these turbines are at a height higher than most, making them rise way above tree lines. And even then, they will not operate as efficiently as they would if they were out west. I found out that when the wind can not operate them, they will run by fossil

fuels, which is contrary to what proponents to clean Energy is all about! Having so many wind turbines towering over 600 feet in our area warrants the following concerns for me:

- My property value will go down!
- I am a big wildlife fan & am concerned for bats, eagles, etc.
- Shadow flicker will affect me where I live
- The noise level & affects from infrasound is a big concern especially for our children in the Sebec East School as well as me when I have my windows open. I want to hear nature, not wind turbines.

And one of my biggest concerns
is what this is doing to
neighbors! If this is allowed
to continue & develop, I fear
disturbance & agitation will grow
among neighbors that have been
friendly for years. Our beautiful
countryside landscape will
be forever marred by turbines
that only last for an estimated
20 years? And then what
happens to them?

Please; Please reconsider
not placing these turbines
here!!

Thank you!

Pam Dye

225 Woodward Dr.

Attica, Oh 44807

To the OPSB:

I am against the Wind Turbines that are proposed for Seneca County.

I feel the Negative impacts are far greater than the benefits.

I don't think the average wind speeds are adequate to sustain the turbines and will have to be supplemented with another source of power.

I also feel the turbines will impact wildlife in our rural area.

I hope the OPSB will make a decision that will benefit all Seneca County residents.

Larry Johnson
22 S. Woodward Attica OH 44807

SENECA WIND HEARING – July 23, 2019

OPSB Case: 18-0488-EL-BGN

My name is Carolyn Manz and I live at 225 East Township Road 42, Tiffin, Ohio. My husband and I have resided in Eden Township for 44 years. I have many concerns about the industrial wind turbines which have been proposed for our area.

During my thirty-five year career as an elementary teacher, I interacted with many students with special needs. I cannot even imagine how the flicker and the noise produced by the proposed large turbines would affect these children. Children with autism, especially, could experience many negative effects. These children, and their families, already face many challenges. There is no need to complicate their lives further with the building of the proposed wind turbines.

Those of us who have built or purchased homes in rural Seneca County have enjoyed the beauty and peacefulness of our rural community. We never expected to be subjected to the many hazards associated with the building and operation of large wind turbines. We did not expect them, we did not ask for them, and we do not want them disrupting our lives and, very possibly, affecting the health of our families.

Wind farms belong in areas with a very low population density. They do not belong in Seneca County.

Carolyn Manz

Carolyn Manz
225 East Township Road 42
Tiffin, Ohio 44883

Bryan Stacklin

210 S.Main St.

Attica, Oh 44807

16-1421-EL-BGN: Seneca Wind Farm

Ohio Power Siting Board,

Article 1 of the Ohio Constitution

All men are, by nature, free and independent, and have certain inalienable rights, among which are those of enjoying and defending life and liberty, acquiring, possessing, and protecting property, and seeking and obtaining happiness and safety.

The majority of Residents within Seneca County are against the Seneca Wind Project. This project will hinder our right to enjoy our life and obtaining happiness due to the effects of the industrial wind turbines; such as but not limited to shadow flicker, scaring of our rural landscape, impact on wildlife and etc. We have the right to safety from the dangers of the industrial wind turbines; such as but not limited to infrasound, blade throw, ice throw and protecting our children from the 16 industrial wind turbines within 2 miles of Seneca East Local Schools. We are here today to protect our families, friends and properties. We ask that the Ohio Power Siting Board deny the Seneca Wind Project.

Thank you,

Bryan Stacklin

To whom it may concern:

Due to concerns regarding detrimental effects of wind turbines to the health of people and wildlife, loss of property values and insufficient funding for long term maintenance, I strongly OPPOSE construction of wind turbines in Seneca county.

Evan Hoepf
6655 S. T.R. 173

Evan Hoepf
7.23.19

Bloomville, OH
44818

(Pending property owner)

To whom it may concern:

Due to concerns regarding detrimental effects of wind turbines to the health of people and wildlife, loss of property values and insufficient funding for long term maintenance, I strongly OPPOSE construction of wind turbines in Seneca county.

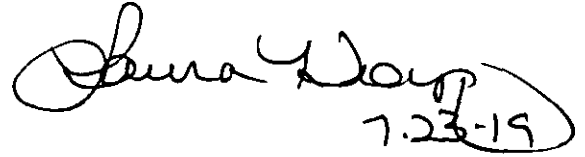
Nichole Johnson
Homeowner
8820 S Twp Rd 159
Sycamore, OH 44882

 7/23/19

To whom it may concern:

Due to concerns regarding detrimental effects of wind turbines to the health of people and wildlife, loss of property values and insufficient funding for long term maintenance, I strongly OPPOSE construction of wind turbines in Seneca county.

Laura Hoepf
4071 East Cr 58
Sycamore, OH
44882


7.23.19

To whom it may concern:

Due to concerns regarding detrimental effects of wind turbines to the health of people and wildlife, loss of property values and insufficient funding for long term maintenance, I strongly OPPOSE construction of wind turbines in Seneca county.

Mark Hoepf
4071 East CR 58
Sycamore, OH
44882

Mark Hoepf
7-23-19

Dear Ohio power sitting board

I would like to thank you for your time in considering my concerns. My name is Steve Runion and I am opposed to having the wind turbines built. I live at 5378 east township road 44 Bloomville Ohio 44818. My home could have as many as 18 wind turbines within 2 miles of my home and who knows how many more will be seen.

My first concern is aviation. How will this affect life flight in coming into the area and rescuing people from accidents and from the hospital. These are life or death situations when life flight comes to the area and having limited places to land because of having the wind turbines hear is unacceptable to me. Crop dusting is an already dangerous job and having these turbines could limit what fields or area they can fly over hurting the farmers that depend on them and could take away from the crop dusting business. How would these turbines affect the military aircraft that do fly low over our area at least a few times a year that I am home to see. What will these do to our local airport.

My next is health effects. My wife has multiple sclerosis and other health issues. Having a quiet country home is important to her health, to have a stressless, quiet place to go. We are in a power predicted 45 decible area. Some things I have read and heard from people in vanwert ohio say this and other noise from mechanical issues from the turbine and the red flashing lights can cause sleep deprivation, anxiety and other issues. My wife still works 40 hours a week despite her issues. She is proud that she is able to work and pay her way. If these wind turbines go in her health could diminish and she would be disabled and we would maybe need to move. We love our home and

property. We got married and brought our two children home to this property. I can't even imagine the choices I will need to make as a husband and father if the wind turbines come into our area.

We have been seeing wind turbines that catch fire, what kind of environmental effects does this have from everything burning? Not to mention the farmer can lose their crops from the fire. Wind power is predicted to run 20% of the time and there still needs to be some sort of back up electricity. How much emissions does wind energy actually save by the time you figure all the machinery and energy needed to build them runs and they are taken down after their life span. Wind is a unreliable source of electricity and would not be affordable without my tax dollars going to these companies.

We have Garlo Nature Preserve within 3 miles of our home and various nature preserves around our county, what effect will these have for all the wildlife in our area?

I ask that you not rush into this deal and please consider what everyone has to say and talk to people that already live in a wind turbine area. I hope if you do decide to let these industrial machines into our area that you increase the setbacks to property, especially to those that do not want them or have a say in having them and decrease the height of them.

Sincerely,

Steve Runion

July 22,2019

TO THE OHIO POWER SITTING BOARD:

FIRST I WOULD LIKE TO THANK YOU FOR YOUR TIME, AS WELL AS LETTING ME FEEL LIKE MY CONCERNS MAY ACTUALLY BE HEARD, AND TAKEN INTO CONSIDERATION. .

MY NAME IS GABRIELLE RUNION. I LIVE AT 5378 EAST TOWNSHIP ROAD 44, BLOOMVILLE. I COULD POSSIBLY BE SURROUNDED BY 650 FOOT INDUSTRIAL MACHINES. I DO NOT GET A SAY SINCE I ONLY OWN UNDER 3 ACRES. THIS IS NOT ACCEPTABLE IN MY OPINION. THE EFFECTS THESE MACHINES MAY HAVE ON OUR COMMERCIAL AVIATION, HEALTH EFFECTS THAT HAVE BEEN INDICATED, AND SAFETY FACTORS OF MAKING RESIDENTIAL AREAS INTO INDUSTRIAL PARKS, DOES NOT SOUND LIKE A PROMISING STEP IN THE RIGHT DIRECTION.

WHEN IT COMES TO AVIATION, MY FIRST CONCERN IS FOR LIFE FLIGHT. HOW MUCH TIME WILL THESE ADD TO A RESCUE MISSION. I DO UNDERSTAND THAT EVERYTHING WOULD BE CIRCUMSTANTIAL, BUT I WOULD THINK THE AIR AMBULANCE WOULD HAVE A MUCH MORE LIMITED SPACE TO FLY AND LAND. THE ADDED TIME COULD BE LIFE OR DEATH. WHAT WOULD BE THE ADDED COST TO TRAIN OUR RESCUE TEAMS TO HAVE A PLAN TO PERFORM A RESCUE AROUND THE TURBINES, WITHOUT INCIDENT, WHILE KEEPING INMIND THAT THE TURINES WILL NEED TO HAVE MAINTANENCE, SO THERE WILL BE MORE PEOPLE CLOSE TO THEM. THE FIRES THEY CAN, AND HAVE, CAUSE WITH THE TOXIC FUMES, WILL NEED TRAINING ON HOW TO EVACUATE, AND CONTROL. HOPEFULLY IT WILL NEVER HAPPEN,BUT WHO WILL HELP IN THE CASE OF ICE

Address | City, St Zip Code

AND BLADE THROW? A COLLAPSE? I HOPE ALL THESE ISSUES ARE ADDRESSED WITHOUT THE TAXPAYERS FOOTING THE BILL, FOR TRAINING OR ANY RESCUE OR DAMAGE CAUSED BY THESE INDUSTRIAL MACHINES BEING PUT IN OUR BACKYARDS. THE CROP DUSTERS OBVIOUSLY WILL NOT BE ABLE TO SPRAY FIELDS WITH A TURBINE IN IT. WHAT WOULD THE FINANCIAL IMPACT BE ON THEM?

THE NEXT ISSUE OF CONCERN FOR ME IS A BIG ONE, THE MOST IMPORTANT TO ME. MY HUSBAND AND I BOUGHT OUR HOUSE IN 2007. WE LOVED THE QUIET, PEACEFUL COUNTRY. LITTLE DID WE KNOW HOW IMPORTANT IT WOULD BE TO MY HEALTH TO HAVE THAT PEACEFUL, QUIET, STRESSLESS PLACE TO CALL HOME. I WAS DIAGNOSED WITH MULTIPLE SCLEROSIS IN 2011. SINCE THEN IT HAS BEEN ONE HEALTH ISSUE AFTER ANOTHER. MS WAS FIRST, THEN ARTHRITIS, FIBROMYALGIA, ANXIETY, BOUTS OF VERTIGO, BRADYCARDIA, AND MOST RECENTLY HEAT INTOLERANCE. I STILL WORK 40+ HOURS A WEEK. I STILL PAY MY TAXES. I RAISE MY KIDS, RUN AND MAINTAIN A HOUSEHOLD, AND VOLUNTEER IF I HAVE THE ENERGY. MOST DON'T BELIEVE ME WHEN I TELL THEM JUST HOW SICK I AM. I HAVE DONE CHEMOTHERAPY TO COMBAT THE MS. THE ARTICLES I HAVE READ, THAT CONCERN ME, SHOW THAT IT IS KNOWN THAT THESE CAUSE SLEEP DEPRIVATION, ANXIETY, VERTIGO, AMONGST MANY OTHER ISSUES. SO IF I GET ANY EFFECTS OF YOU ALLOWING MY BACKYARD TO INDUSTRIALIZE, I WOULD WIND UP WITH A PRETTY POOR QUALITY OF LIFE, AND INSTEAD OF PAYING TAXES, I WOULD BE FORCED INTO LIVING OFF OTHERS PAID TAXES. I TAKE GREAT PRIDE IN BEING ABLE TO TAKE CARE OF MYSELF AND FAMILY. I AM VERY AFRAID THAT IF THESE WERE INSTALLED ANYWHERE IN A MINIMUM OF A 3 MILE RADIUS OF MY HOME I WOULD HAVE TO MOVE, AND LEAVE THE HOUSE I BOUGHT, THE LAND I MARRIED MY HUSBAND ON, (YES ON OUR PROPERTY BY JUDGE REPP IN 2008) THE HOUSE THAT BECAME A HOME WHEN OUR 2 KIDS WERE BROUGHT HOME. IT IS VERY IMPORTANT TO ME

AND I WOULD NEVER BE ABLE TO GET MY SOUL
BACK OUT OF IT. BUT IF I SHOULD STAY I WOULD
BE PUTTING MY HEALTH AND THAT OF MY FAMILY
AT RISK. THAT IS NOT FAIR. IT IS A CHOICE I WILL
BE FORCED TO MAKE WITHOUT A SAY IN THE
MATTER, DOESN'T SOUND LIKE FREEDOM TO ME. I
NEED MY LIFE STYLE TO MAINTAIN A QUALITY OF
LIFE, AND TO CONTRIBUTE MY PART TO SOCIETY.

MY LAST CONCERN IS THE EFFECTS THAT
THIS WILL HAVE ON OUR BEAUTIFUL COUNTRY.
WHAT DOES THIS ACTUALLY DO FOR THE
ENIRONMENT. SOME STUDIES I HAVE FOUND AND
READ , SAY THEY CREATE THEIR OWN
MICROCLIMATE AND IS DISRUPTIVE TO WILDLIFE.
I DO NOT MEAN JUST THE BIRDS, BUT ALL
WILDLIFE. THIS IS A UNRELIABLE ENERGY
SOURCE THAT NEEDS A BACK UP AND IS NOT THE
ANSWER. WITH OUT MY TAX MONIES, IT IS NOT
AFFORDABLE, BUT RATHER A GET RICH OF THE
TAX PAYER SCHEME WITH THE HELP OF THE
GOVERNMENT. I URGE YOU TO PLEASE NOT RUSH
INTO THIS DEAL, WITHOUT SOME REAL
TESTIMONIES OF THOSE WHOM ACTUALLY DEAL
WITH IT WITHOUT MONITARY GAIN TO PUSH
FORAWARD. I ASK IF YOU DO GO FORWARD, I
PRAY YOU SET UP GUIDELENS TO HELP AT
MINIMUM, WITH MY PERSONAL HEALTH
CONCERNS IN MIND. TO GET SAFE SET BACKS,
AND HEIGHT LIMITS ON THESE INDUSTRIAL
MACHINES IN MY BACKYARD. IF NOT FOR MY
SAKE, THEN FOR MY CHILDRENS AND HUSBAND'S.
I REALLY BELIEVE IF THESE ARE ALLOWED NEAR
MY HOME I WILL BE A VICTIM AND FALL TO
DISABLED STATUS. INSTEAD OF TAKING PRIDE IN
PAYING MY WAY, I WOULD NEED TO BE RELYING
ON THE GOVERNMENT TO TAKE CARE OF MYSELF,
AND THERE FORE 2 YOUNG CHILDREN.

SINCERELY,
GABRIELLE RUNION
5378 EAST TOWNSHIP ROAD 44
BLOOMVILLE, OH 44818
GABSRUN@GMAIL.COM

Gabrielle N Runion 7-22-19

SOME OF MY SOURCES:

[HTTPS://WWW.SCIENTIFICAMERICAN.COM/ARTICLE/WIND-TURBINES-CAN-ACT-LIKE-APEX-PREDATORS1/](https://www.scientificamerican.com/article/wind-turbines-can-act-like-apex-predators1/)

[HTTPS://WWW.NCBI.NLM.NIH.GOV/PMC/ARTICLES/PMC6266820/](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6266820/)

[HTTPS://WWW.CITY-JOURNAL.ORG/WIND-POWER-IS-NOT-THE-ANSWER](https://www.city-journal.org/wind-power-is-not-the-answer)

[HTTPS://WWW.MASTERRESOURCE.ORG/WIND-TURBINE-NOISE-ISSUES/WTO-WIND-TURBINE-NOISE-AS-A-HEALTH-HAZARD/](https://www.masterresource.org/wind-turbine-noise-issues/wto-wind-turbine-noise-as-a-health-hazard/)

[HTTPS://WWW.EDIWEEKLY.COM/OVERHEATED-BEARINGS-GEARBOXES-AMONG-CAUSES-WIND-TURBINE-FIRES/](https://www.ediweekly.com/overheated-bearings-gearboxes-among-causes-wind-turbine-fires/)

OHIO POWER SITING BOARD;

I would like to thank you for taking the time to hear from us.

We as landowners in Seneca County Ohio, Reed & Venice Township, are in total support of Seneca Wind Project. The following are some of the reasons that it is vitally important that this issue be allowed to go forward.

We want to support our school with new revenues.

Renewable energy will help with future use of electric in the area and our nation.

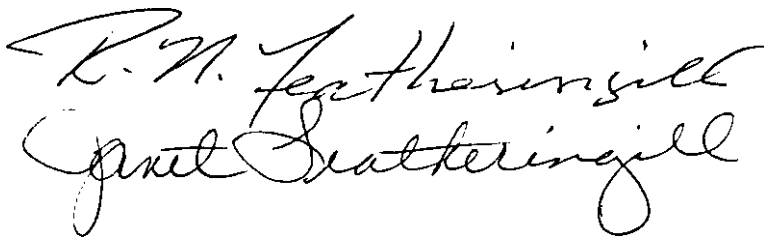
Wind energy is a clean fuel that God has given us.

Wind energy will help us keep pace with increased usage in the future.

The Case #18-0488-EL-BGN is the case that this is in reference to.

Again, Thank You for your time & consideration;

Robert & Janet Featheringill

Handwritten signatures of Robert and Janet Featheringill. The signature for Robert is written above the signature for Janet. Both are in cursive script.

July 23, 2019

Ohio Power Sitting Board

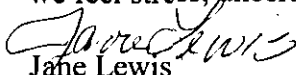
I am strongly opposed to the Seneca Wind project.

I have always been a good citizen, working hard, caring for others, and protecting our environment. This project goes against all that I have attempted to accomplish in my life. It causes undue stress, worry, and sometimes depression for me. I was taught that you should invest in a nice home. As your major investment, it would bring security for your future. But if this project is approved, the security of my investment will be lost, as my home value will be dramatically decreased as a wind turbine could be placed across the road from my front yard. So much for my retirement nest egg or the inheritance I'm leaving. It will be next to impossible to sell my home, as who would want to buy it or could I sell it to someone in good conscious? Where is the enjoyment of owning such a home?

I will no more care to sit on my front porch watching the wildlife. What will happen to the deer, bats, hummingbirds, and eagles that I'm so blessed to share my home? Who will want to swim or fish in my pond if they have to worry about the noise, flicker, and other health related problems, which may affect them. I may want to live here but will have no choice. What may happen to the quality of my well water? Could the water supply to my well be affected? What is the possibility of contamination affecting the water supply to Lake Erie?

This may be a question for those who are here after I'm gone, but we must consider the upkeep and long term impact of the turbines. Sure the wind companies will be willing to provide the upkeep as long as the turbines are economically productive but who will be responsible for the cost after the wind companies no longer care about the huge turbines? European countries have put a moratorium on turbines. Some countries are requiring them to be taken down. Disposal of these turbines will be costly, much of the turbines materials are not recyclable so will it be placed in our landfill and negatively affect our environment.

In my case, the land is leased from a millionaire farmer who lives 30 miles away. My neighbors and I are just ordinary people who have struggled to provide for our families. Now we will be subjected to changes that only mean more money to others. The electricity generated will not be for our use, but for others who may never have had the opportunity to see rural environment and way of living. So much for spending our lives trying to live the American dream and to do the right things. Hopefully you can see why we feel stress, uncertainty, and a sense of disappointment.


Jane Lewis
1558 So. St. Rt. 67
Republic, OH 44867

Seneca County Wind Project 18-0488-EL-BGN
Testimony
July 23, 2019

Dear Members of the Ohio Power Siting Board:

We are opposed to the Seneca County Wind project. The industrial sized wind turbines will negatively impact real estate values, landscapes, soil integrity, waterways, and wild life forever! Even more importantly, they will negatively impact a person's health and well-being and cause concern for one's safety.

Wind turbines are not an efficient, economical source of energy. Our tax dollars, our hard earned money, are paying for and supporting the planning and building of these wind turbine projects. According to Warren Buffet, "The only reason to build wind turbines is for the tax credit". It is unacceptable that some people are and will be reaping huge benefits from such a project that is thrusting such huge monuments in our environment. Even after a wind project is initiated, it cannot stand alone like other businesses do and will rely on government subsidies.

The turbine risks outweigh the benefits. The turbines are not easily changed, or remedied, or removed. They will impact our landscape and ways of living in so many ways! The cost of the maintenance or demolition will be huge! The taxpayers will be left to fix broken, rundown equipment, repair roads and to remove outdated, nonfunctional and/or unproductive turbines. The damage to the soil with so many tons of concrete poured in each turbine base will be extensive. How will anything grow below or around it? How will it be returned to its former state? How do you remove that concrete and rebar? The damage to waterways, wild life populations, trees and foliage will be monumental ----- and then it will be for nothing! **Because wind energy is not an efficient source of power!**

These turbines are only 20-30% effective as an alternative energy source. We have other more productive and reliable energy sources. These wind turbines are too big, too expensive to build and maintain, and will cost taxpayers a huge fortune! Our own electricity bills will increase. Power will be sold to other states or countries. Other foreign countries will own and manage wind projects. Can we not learn from the serious mistakes made with these in other countries and our own?

These turbines are not the answer for Seneca, Erie and Huron counties or any part of northern Ohio! The Seneca wind project essentially changes everyone in its footprint from **residential and agricultural** to that of **industrial** status, whether one wants this or not!

Seneca county and other counties facing these projects do not need the turbine sounds, infrasounds, seismic vibrations, blade flicker, and flashing nighttime lights near our communities, townships and homes. We do not need interference with our TV and farm

machinery reception. We do not need interference with airplane farm field spraying or the landing of rescue helicopters.

Moreover the safety and health of citizens are in danger! Blade throws in Ohio and in other states have been reported that exceed setback measurements. Of main concern in Seneca County is the location of numerous turbines surrounding the Seneca East K-12 School. The potential exists for blade, ice, fire and other incidents to occur. One turbine is very close to a soccer field. Is it worth the risk of injury to have that turbine and so many other turbines present?

Health concerns involve the negative effects of infrasound, shadow flicker and seismic vibrations. Several illnesses have been observed and reported in many medical journals and the World Health Organization. Studies conducted by wind companies refuse to acknowledge them. One turbine can cause health related problems, let alone several of them!

Children with illnesses, learning disabilities and other obscure inherent tendencies or special needs may be negatively impacted. Adults -- and children-- may develop heart disease, depression, and sleep disorders. A child's brain, central nervous and other body systems are developing throughout the school age years. Why chance a disruption of this normal growth pattern by placing numerous wind turbines around the school?

Another issue is the location of this project and those of nearby counties. We live in a unique location being counties bordering Lake Erie. **The Great Lakes provides the largest body of fresh water in the world! There is no other area like this in the world!** Seneca and nearby northern counties are the doorway to vacationland, birding, water, sports and other wildlife pursuits. Multi-million dollar business revenues and benefits result from people traveling to the lake areas. Seneca County and nearby counties need to maintain a welcoming, pleasant atmosphere and landscape for those traveling or contemplating locating here.

Multiple huge 600-655 foot tall turbines that make noise and light up the night sky will ruin our appeal let alone damage the lake entry ecological/wildlife system. No people or businesses will want to move here or build here! People will move away. Our township and community population and business revenue will decrease!

Please do not endorse the Seneca Wind project! Thank you for your kind consideration!

Patricia and Alvin Didion
4765 Williams Rd
Bellevue, Ohio 44811
Huron County
Lyme Township

I, Darl Theis wish to express my opposition to the wind projects such as Seneca Wind Project # 18-0488-el-BGN, Emerson Creek Wind #18-1607-el-BGN, and Republic wind farm #17-2295-el-bgn. I believe that God gave us this beautiful land for agricultural purposes only not for someone to destroy. Yours Truly
Darl Theis.

I, Kathy Theis a resident of Seneca county my entire life wish to express my opposition to the wind projects that are being planned in Seneca County and surrounding counties. I believe that the land should be for agricultural purposes only. I don't want this area look like a total mess. I don't believe that when they done making there money they will pull out and be a total mess. Yours truly Kathy Theis.

| |
|--------|
| REPORT |
| DATE |

1 I strongly oppose the Seneca
2 County Wind turbine project
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7 Dennis Heckerd
8 7731 E 224
9 Bloomville, Oh
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To: The Siting Board

From Dwight Walton
640 E Twp Rd 28
Tiffin, OH 44883

I have been a life long resident of Eden Township. I, along with many others, have a love and affection for the beauty of our countryside that cannot be bought at any price. There is no amount of money that could buy my consent to be a good neighbor or allow these wind turbines on my property. I despise the sight of ones this big. People have no idea how big wind turbines 700 ft tall are. They are a hazard to our safety and our health. This is not green energy. They are very costly for no more than you get. We will not benefit from them at because all they produce is going elsewhere. I am tired of people being bought off. We have county commissioners and township trustees who have a conflict of interest and would not represent the will of the people. The Advertiser Tribune printed that 75% of Seneca County residents did not want wind turbines. These officials were receiving money from the wind companies. We have zoning in this township that the average resident has to abide by but was cast aside for wind companies. I urge you and beg you not to let this project proceed.

Thank You

Sincerely,

Dwight Walton

7/21/19

Dwight Walton

To: Ohio Power Siting Board

re: Seneca Wind, LLC

I cannot be present today but wanted my voice heard. The fact that these dangerous, ugly, health hazards may be coming to our area soon sickens me. I realize there are people who live their lives without any attachment to land or houses. Most people in our area are quite the opposite. We have roots here and have worked hard for what we have. It does not seem right that any organization or governing body should be allowed to tell us what we have to do with the land we love. Sadly some neighbors prefer greed over peacefulness. It is also sad that what they may approve of does not affect only them. If you are really interested in what the result of this meeting is hopefully you will realize that those opposed are far more passionate than their counterparts. You are not just a body of robots. Have a heart and show us you have heard us and that you CARE!

Sincerely,

Susan Walton
640 E township Road 28
Tiffin, OH 44883

Susan K Walton
July 20th 2019

Members of the OPSB,

My name is Ken Hetzel and I am a resident of South Eden Township Road 151, which runs along the west border of the proposed Seneca Wind project, thus putting our home in the footprint of the proposed project.

South Eden Township Road 151 is only a short, barely 2.5 mile long country road, yet there are 22 homes having addresses on it.
I feel this would be consider a rather highly populated area.

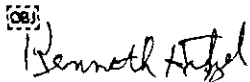
Of the 22 families, we have a signed petition by 16 of them stating that they DO NOT WANT to have Seneca Wind, or any other wind company, build industrial wind turbines in our area.

We, as a group, feel this would put our families in jeopardy of known effects of infrasound, shadow flicker, and documented evidence of blade throws throwing pieces several hundreds of feet farther than the setbacks used in the designs of this project. Also, destroying our landscape, roads and area field tile.

With this petition of the South Eden Township Road 151 families, we as a group, take a 100% negative stand on the proposed wind project.

Please take our concerns into consideration when making your decision on the proposed Seneca Wind project.

Thank you,



Ken Hetzel

4697 S Eden Twp Rd 151

Seneca Co, Tiffin OH

July 21, 2019

We, the undersigned, being among the 22 residents whose address is South Eden Township Road 151, and being within the footprint of the proposed Seneca Wind project, OPPOSE the said project by Seneca Wind or any other wind companies.

Rachel Paradiso Rachel Paradiso 4100 S. Twp. Rd. 151 Tiffin, OH

Mitchell Stearns ~~Michelle Stearns~~ 4045 S Twp. Rd. 151 Tiffin, OH

Dan & Danielle Lange Danielle Lange 4143 S. Twp Rd 151 Tiffin

Dave & Karen Brown 4166 S. TWP RD 151

Mary Romig 4310 S. Twp. Rd. 151

MICHAEL BELL 4514 S. TWP. 151 Tiffin, OH

Mandy & Jeremiah Smith 5400 S. Twp Rd 151 Tiffin OH

William W. Sprague 6188 S Twp Rd. Tiffin OH

Sandra & Richard Hiler II SANDRA & RICHARD HILER 6378 TWP. RD. 151 TIFFIN OH 44883

Diane + Joe Hudok 6300 S. TR 151 TIFFIN OH 44883

Douglas & Douglas Jan Sampson 6805 S. Township Rd. 151 Tiffin, OH 44883

ALICE HARDING RALPH HARDING Ralph E. Harding 5559 S. TWP. RD. 151 44883

URBAN FEASEL Urban Feasel 4623 S. Twp. Rd. 151 Tiffin Ohio

SUSAN L HEMMINGER Susan L Hemminger 5123 S Twp Rd 151 44883

Victoria Miracle Victoria Miracle 4360 S Twp Rd 151 Tiffin Ohio

Kent + Linda Hetzel Kent Hetzel 4697 S. Twp. Rd 151 Tiffin, OH

Members of the OPSB,

My name is Linda Hetzel and I am a lifelong resident of South Eden Township Rd 151, which runs along the west border of the proposed Seneca Wind project, thus putting my family home in the footprint of the proposed project.

My great grandparents, on my Father's side, settled in Eden Township nearly 100 years ago wanting to raise their family in this beautiful rural area.

My, now 91 year old parents, Urban and BettyLou Feasel, purchased a farm here on South Eden Township Rd 151, just one road over from his parent's home, nearly 60 years ago. Over time, purchasing over 600 connecting acres, and it is still their home today.

After I was married, my husband and I made our life together here on the family farm. My husband has devoted his entire adult life to farming the family farm.

Being a good steward of the land is of utmost importance to him. This was proven especially this year when, because of the exceptionally wet weather, we took a HUGE financial hit and did not plant corn because it would have been detrimental to the land!

We would rather tighten our belts than do damage to our land.

We have raised our own family and grandchildren on this farm for 44 years, even purchasing additional farm ground with intentions that the farm will continue on into the next generation. It has been a good life, till now...

Never in our worst nightmare did we EVER imagine that our beautiful Eden landscape would be scarred by ANY, let alone a proposed THREE, 600+ feet tall Industrial Wind Turbines that would be built starting WITHIN A QUARTER MILE of our family farm and we as a family are ADAMANTLY OPPOSE TO THIS!

How, as a board, can you in good conscious put my family's lives, or ANY FAMILY'S LIVES, in harm's way with unsafe set back distance?!

There is documented data that the OPSB is aware of showing that pieces from blade failures have been thrown distances of 1800 ft! Proving that Ohio setback are not enough!

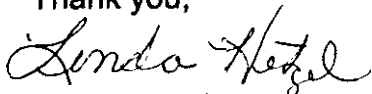
This public meeting (7/23) is supposed to be our chance to voice our opinions and concerns to the OPSB Members.

If so, how can recommendations from the group come out 3 WEEKS BEFORE the 'public' meeting????

We have been denied a chance to vote on the Wind projects coming into our area, our Township Zoning is being ignored, and now this! We need to be heard! THIS IS OUR LIFE AND LIVELIHOOD!

Please take our concerns into consideration when making your decision on the proposed Seneca Wind project.

Thank you,



Linda Hetzel
4697 S Eden Twp Rd 151
Seneca Co., Tiffin OH



Urban and BettyLou Feasel
4623 S Eden Twp Rd 151
Seneca Co, Tiffin OH

Written concerns presented by:

Linda Coffman
6851 South State Route 231
Tiffin, OH 44883
Seneca County
July 23, 2019

OPSB Case No. 18-488-EL-BGN

The following is a list of concerns that I hope will receive your consideration while you are still in the decision making process. They are grouped into the following categories:

Aesthetic considerations
Economic costs
Health effects
Liability and liability insurance
Migratory birds, bats, butterflies
Safety / Turbine accidents
Turbine installation and maintenance
Water
Weather events

Aesthetic considerations

Will the sight of massive wind turbines conflict with and ruin rural farmscape settings and litter the landscape, making it an undesirable place to build and live?

How will incessant blinking lights at night affect those within the range of the beam? Can they cause sleep disturbances?

Shadow flicker casts sweeping shadows across property and houses. Does the strobe light effect cause people to have symptoms of nausea, headaches, and vertigo.

Are wind turbines hostile to the environment? Do they destroy landscape, create eyesores, and produce noise that drives people away?

Airplanes / Airports

Seneca County Airport is one of two dozen airports or air strips in this area. Will any be impacted by the wind turbine project to some degree?

The approach to land from the SW starts twelve miles out so would the approach altitude would be impacted by the wind turbines?

Could radio communication and navigation systems be affected by the turbines.

Could emergency services be affected by the turbines?

Could grant programs that have improved the airport in the past, and future grants be lost due to the turbines?

Will the project affect military airspace and assets?

Will the project affect military airspace and assets?

Will three military training routes be impacted and will turbines impact training missions?

Will the commerce, which airports bring, be diminished or totally lost?

Economic costs

Will property values decrease in industrial wind turbine areas?
Will property values be tracked, and will property owners be compensated if there is loss of value?

What affect do absentee landowners have on the community? Do we know how many projects involve absentee landowners? Lease holders receive payment for their leases. If adjacent property values decline, what monetary compensation is there for adjacent property owners?

Do electric energy prices for consumers increase when power providers are required to buy some of their electricity from wind power?

Satellite TV and Internet service is used by many people in this area both for entertainment and for work purposes. Will service be interrupted for some users depending on the direction of the signal and whether a turbine is situated to block the signal? If the Internet is used for employment purposes, who will be responsible for loss of livelihood?

Can power systems accommodate the the energy being produced by new wind projects? What happens if there is not sufficient transmission and/or storage available for the energy being produced? Does the turbine stay idle? Is there a maximum

transmission and/or storage available for the energy being produced? Does the turbine stay idle? Is there a maximum percentage or amount of time for a turbine to be allowed to remain idle? What would be an excessive amount of time for a turbine to remain idle? In the permit to install a wind turbine, is there a clause which requires the turbine to be dismantled if there is excessive or long term inactivity?

Health effects

Do audible and inaudible sounds made by turbines, especially ones not operating correctly, cause unpleasant health effects? Does the combination of low frequency noise, infrasound, pressure waves, and acoustic infrasound produce chest pain and/or pressure, heart palpitations, dizziness, vertigo, tinnitus, stress, sleep disorders, fatigue, headaches, and other symptoms? If professional medical help is required, who is responsible for payment of medical services?

Does electromagnetic pollution and stray voltage, also known as "dirty electricity", impact human health, causing sleep disturbances, headaches, fatigue, and/or difficulty concentrating? If so, who is responsible to pay for medical services should they be required?

Does transmission of long wave, acoustic infrasound traveling long distances cause nausea, disorientation, vomiting, and potential organ damage? Again, who is responsible for medical damages?

Does constant noise produced by turbines potentially create hearing loss? At night, can the noise affect a person's ability to fall asleep or cause a person to wake up from sleep?

If turbines were found culpable for health problems, who is

responsible for paying for health damages: the wind companies, the land owners, both, or is neither responsible for any health damages?

What considerations will be made for special needs individuals of all ages: PTSD, ADHD, Autism? Can being close to this kind of tall structure cause anxiety disorders like batophobia (a fear of tall structures)? Will people with anxiety disorders be able to receive compensated treatment?

All health and safety concerns might not be scientifically proven, yet, but it has not been proven that the concerns don't have any basis, either. Will we err on the side of being cautious to protect people and their health? When answers are unknown, will we still proceed?

Liability and liability insurance

When turbine failures occur, who is liable? Who is required to have insurance? Who watches to see that everything is working correctly, in case the sensors fail to alert someone of a failure?

When the land is owned by an absentee owner, who is responsible for any and all accidents?

If a lawsuit is filed, whose responsibility is it to defend that suit?

Has the OPSB decided whether data should be kept on blade failures or other accidents?

Migratory birds, bats, butterflies, as well as wildlife of all sorts

An Apex spokesperson acknowledged that Seneca County is in a major flyway and stated at a public gathering that the turbines would be curtailed during migration. Would SPower be required to curtail turbines during migration? For what period of time would the turbines be required to be curtailed? Who would inspect and enforce compliance?

What would be done to protect endangered species or species of concern in populations of birds, bats and insects, like the Hoary bat and the Monarch butterfly?

What compensation will be provided to the residents in the county for increased use of insecticides if the bat population declines? Would increased pesticides pose additional health risks? How would these effects be quantified? Will studies take place to see if incidence of cancer or blood cancers increase with the increase of pesticides? Will studies track the increased incidence of mosquito born viruses like the West Nile virus?

Will the slaughter of birds be monitored and accurate statistics kept so we are at least aware of the impact of the turbines on our birds and bats?

Have the different species of wildlife living in Seneca County, from worms to four legged animals, been identified and studied for possible negative interactions with wind turbines?

(Can we allow the ecosystem to be impacted with the loss of birds, large and small, bats, and butterflies? Does any amount of money replace the damage that can be done by the spinning blades?)

Safety / Turbine accidents

Safety / Turbine accidents

(Usually, a person's home is their safety zone, but with turbines potentially being introduced into the area, the personal safety zone could be invaded. Because of this, there is broad public opposition to the project.)

Wind turbines have actually been found to be more deadly to workers than nuclear plants. Is safety training required for anyone who would work near a turbine?

The wind companies actively fight for a decrease in setbacks, but as people get to know more about turbines and experience the effects of living by them, the current trend has been to increase setbacks for safety as well as health and comfort reasons.

The following potential accidents pose a threat to life and property.

Broken blades; Tower failure; Ice throw; Turbine fires

In the case of a fire, who would respond? Would we expect our local fire departments and/or volunteer firefighters to handle a turbine fire? Who would be responsible if, for example, a dry wheat field caught on fire due to a turbine fire?

Who would respond to accidents involving broken blades, tower failures, or ice throws?

Turbine installation and maintenance

Who is responsible for damaged or crushed field tiles due to heavy equipment?

Heavy equipment also compacts the soil. Is anyone required to reverse the damage of compaction of soil, especially farmland?

reverse the damage of compaction of soil, especially farmland? Huge cement foundations will be in the ground forever with the exception of the top three feet. What studies have been done to determine the long term effects of these foundations?

Ohio has a land form called karst where sudden collapse and sinkholes can occur, damaging or destroying overlying structures. Most karst areas are identified, but some are not. What measures are in place to insure a turbine is not erected in a karst area?

Are the decommissioning requirements clearly spelled out and a bond posted to pay for the decommissioning of turbines when the time comes? Will the bond be adequate to pay for costs to remove the turbine plus inflation? When a turbine company makes numerous ownership changes, will the posted bond be met by all subsequent owners? Who is responsible to take care of all decommissioning costs, and what happens if the bond is inadequate, for whatever reason, at the time of decommissioning?

Wind turbines have industrial lubricants in their gearboxes. Do those lubricants leak, explode, or burn, polluting the air or ground? Who would take responsibility for that?

Does the permit to install wind turbines contain clauses requiring the turbine to be maintained in running condition and a plan for periodic maintenance?

Water

Can chemicals in the cement used for the massive foundations needed to install the turbines leach into ground water and damage aquifers? How would those toxins be eliminated?

Because of karst, could improperly placed turbines pose a severe threat to underground water supplies that would be devastating to an area? What steps would be taken to minimize this risk, and what remedy will be in place if a mistake in siting causes toxins to flow into the water?

Can aquifers can be damaged from drilling into the bedrock? If people's wells were to be subsequently damaged, whose responsibility would it be to replace those wells?

Weather events

Do any of the following weather events, all possible in Seneca County, pose an added threat to life or property because of the 600 foot wind turbines?

Electrical storms? Snowstorms?

Hail? Tornadoes?

Ice storms / freezing rain / frost?

High winds?

Has the incidence of turbine failures been studied in areas which experience tornadoes?

Can turbines create false echoes on radar which can affect weather reports? Who is responsible if weather radar fails to correctly read and subsequently warn people of impending danger from a storm or tornado?

Citrus growers often use fans to stir the air during danger of frost. Is there evidence that the constant churning of the air creates changes in regional temperature weather patterns, and what problems might that cause?

Carol Burkholder
6641 E. Twp. Rd 130
Republic, OH 44867
7-23-2019

NO to Wind Turbines in Seneca County!

I think a project of this scope would have a negative affect on the residents of Seneca County.

It is important to keep rural land rural.

The negatives of these turbines are far greater than the positives.

The people who live here and pay property taxes . . . where are their rights?

We zoned Scipio Twp. for agriculture for a reason. But what good was zoning for us?

NO to the Wind Turbines!!

Carol Burkholder

Testimony of James Hoffert
Bloomville Ohio

Ohio Power Siting Board
Public Hearing of Seneca Wind Project
July 23, 2019

I am opposed to the Seneca Wind project, specifically for the reason that Seneca Wind has used deceptive, unethical, and divisive tactics in dealing with the citizens of Seneca County.

There are hundreds of stories from people in our county of underhandedness by Seneca Wind. And the issue of how they are suing their own leaseholders is a matter of public record. But I will speak directly to my own personal dealings with the company and the outright lies they told me to coerce me into signing a setback waiver agreement.

I own a farm adjacent to a farm owned by my brother who wanted to be part of the project and to host turbines on his property. I also own some acres over a mile away where I live. I did not want any of my land to be part of the wind project. Agents for Seneca Wind, though many conversations with my brother, succeeded in initiating a feud in our family over the wind issue. They needed a setback waiver from me to build turbines on my brother's farm.

In an attempt to rescue the good family relationship which the wind project was destroying I decided to sign the waiver. It was at this point that the agents told me that I could not sign the waiver on just the farm next to my brother but also had to include my acres a mile away where my house is. I refused to agree to this second waiver and the agents continued to widen the divide in our family with their disparaging comments about me. Finally, to keep peace in the family, I signed the waiver for both pieces of property.

When the plans for the project came out showing the turbine locations, my brother had his turbines, but there is also a turbine very near my house on another neighbor's property. Locating a turbine there was only possible because I signed the waiver for my home acres. Agents had NOT told me they wanted this waiver to put a turbine by my house. In fact when I began asking questions I was told I would not have had to sign the waiver on my home acres to enable my brother's turbines. What??

When I relayed to Seneca Wind what the agents had told me the response I got was "Yes, we fired those agents because they lied to people", whereupon I requested them to rescind the waiver on my home acres eliminating the turbine next to my house. They flatly refused. And, to add insult to injury, they withheld payment on the waiver agreement for almost 2 years until I finally had to threaten them with legal action to get it. I would have rather foregone the payment and torn up the agreement but unfortunately that was not an option.

My story is but one of many in the Seneca Wind project. I recommend the OPSB do a full study of the pending case in Seneca County courts regarding leaseholders who, even though their leases have expired and they want out of the project, are being litigated by Seneca Wind to keep them from getting out. This company is unethical and cannot be trusted. They do not deserve permission from the OPSB to override local zoning in Seneca County and turn 57,000 acres of our highly populated agricultural/residential area into a heavy industrial zone to generate 200 megawatts of power which could easily be generated on a 50 acre site by a gas fired plant.

James Hoffert

Hello, my name is Cathy Limbird. I live in Seneca County where multiple Industrial Wind Turbines are proposed to be built in the Seneca Wind project.

I am writing you today because I oppose the wind turbine project. There are a multitude of reasons why I oppose them, but I am focusing on what I think is the most important reason to me. I have growing concerns of the health effects that the Industrial Wind Turbines can cause. I have worked in health care as a registered nurse for over 30 years. Because of my background as a nurse, my focus has always been trying to better the quality of my patients' lives. I feel that the effects of the turbines will decrease the quality of life in those living by them.

The term Wind Turbine Syndrome is the clinical name that has been given to the multiple of symptoms that are experienced by many people who live near the wind turbines.

These symptoms are:

- sleep disturbances

- headache

- tinnitus—which is ringing or buzzing in the ears

- ear pressure

- dizziness—which is a general term that includes vertigo, lightheadedness, sensation of almost fainting

- vertigo—refers to the sensation of spinning, or the room moving

- nausea

- visual blurring

- rapid heart rate

- irritability

- problems with concentration and memory

panic episodes associated with
sensations of internal pulsation or
quivering, which arise while awake or asleep

Wind turbine syndrome seems to be triggered by the organs of motion, position and balance which is located in your ear. The low frequency noise and the infrasound that the wind turbine produces send scrambled signals to the brain centers that control these symptoms. There are many accounts of people who live by the turbines that have developed such intense symptoms that they literally had to move from their homes.

Infrasound is the noise produced by the turbines that a human ear can not hear. It occurs when large masses are in motion, for example, the rotation of the wind turbine blades. Infrasound, especially the larger the wind turbine is, can be measured up to 12 miles away from the turbine. Wind developers deny any health effects from the infrasound and the low frequency noise of the turbines. Unfortunately, some people think that if you can't hear the noise, it can't hurt you. There has been much research done on this subject in the medical field and saying that what you can't hear will not hurt you, is absolutely false.

As troubling as Wind Turbine Syndrome is, my concern grew even more when I found that research done in Germany by a cardiovascular physician, where the wind turbines have been around for over 20 years, have been focusing on the acute human health effects of infrasound.

It was found that infrasound does have a distinct effect on heart muscle tissue. They found a clear reduction of the heart muscle strength when exposed to infrasound. It was found that the cause of the loss of strength to the heart muscle is because the energy of the infrasound caused the heart muscle to get out of step. When your heart muscle decreases in its strength your heart will not pump as

effectively as it should, thus decreasing the heart's function and causing a multitude of cardiac problems.

This study is alarming to me. Wind turbines do not belong around areas where people live. No one should have to endure health effects from wind turbines. There is nothing, absolutely nothing in the wind energy proposition that says wind turbines must be sited next door to people's homes. Siting of these 655 foot tall turbines is a crucial problem. Please keep them out of our counties where our population is too large. They do not belong here.

Health effects from the industrial wind turbines have been proven to be in existence. These will decrease the quality of life in the people who are forced to live by the industrial wind turbines. Everyone's quality of life is worth so much more than any amount of money generated by these machines.

Thank you,

A handwritten signature in cursive script, reading "Cathy Limbird".

Cathy Limbird
16418 East Reed Township Road 9
Attica, Ohio 44807 419-426-6055
forkeepsphotos@yahoo.com

Dwight Detterman

July 21, 2019

485 West County Rd.6

Tiffin, Ohio 44883

RE; Wind Farms in Seneca County Ohio

To whom it concerns,

I oppose the construction and operation of any and all wind farms in Eden Township and Seneca County Ohio.

Sincerely,

A handwritten signature in cursive script that reads "Dwight Detterman". The signature is fluid and includes a long horizontal flourish at the end.

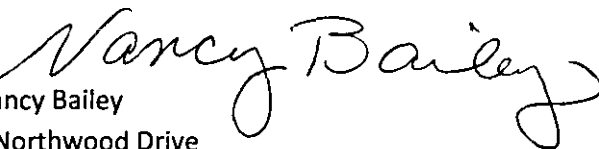
Dwight Detterman

July 23, 2019

I am writing in opposition to the Industrial Wind Project. I do believe in property rights but not when it can detrimentally affect neighbors even up to 5-10 miles away with lower property values. I was told by a commissioner that it actually raises property values. The only raised property value is the land that has been leased for these gigantic industrial machines. Everyone else loses. Where are their property rights?

If it were not for the federal subsidies (that come from our tax dollars) these wind farms would not be coming here. This money is not being well spent in Northwest Ohio. It costs three times as much to produce the electricity here as it would in more appropriate and less populated areas.

Our area is rural, agricultural, and populated. These wind farms have no business being here. It is all about the money and that is a sad state of affairs for our area.


Nancy Bailey
3 Northwood Drive
Tiffin, Ohio 44883
419-448-9615

Members of the OPSB:

There are many reasons why people have stated their objections to windmill farms in our county. I would like to submit some of the copies of these objections to you along with our **very strong objections** to these farms in Seneca and surrounding counties. We feel they are not only inefficient, but also dangerous to the environment and to the public's health, and if something is so good for us it should not have to be subsidized by the government, it should be like anything else on the free market. We do not want our tax dollars to be used against us! Please consider this as you make your decision on this matter.

Sincerely,

Fred and Kay Zirger
Hopewell Twp.,
Seneca County, Ohio
July of 2019

VOCAL OPPOSITION CAN BROWN OUT MONEY

Recently, there have been several letters published here emphasizing potential revenue the wind industry could provide local school districts, particularly Seneca East. I appreciate the intent expressed in those letters. But in response, I would like to make clear that opposition to the wind industry does not equal opposition to local education. Indeed, many people who have yellow No Wind Turbine signs in their front yards are the same people who helped Seneca East pass its last levy by an almost 70-percent margin.

Any discussion of the wind industry's potential impact on education locally must acknowledge that in November, the Seneca East Board of Education voted unanimously to intervene before the Ohio Power Siting Board in the Seneca Wind project, citing its "interest in protecting its students and staff from potentially adverse impacts on their health, safety and welfare while at school or participating in school services or programs." The intervention also expresses concern about Seneca Wind's "potential impacts on residential, commercial and industrial development and property values within the District." More recently, Bellevue City Schools withdrew its support of the Apex-owned Republic Wind and Emerson Creek Wind projects.

At the June 5 Seneca County commissioners meeting, I read a letter by June Harper, a former commissioner from Tipton County, Indiana, who now regrets her role in allowing the wind industry to enter her county. "You can't lose something you never had," Harper points out, "so you are not 'losing' the supposed 'windfall' of money that the project purportedly brings in. What you will lose however, cannot be measured in dollars. You will lose the rural landscape as you know it and you will lose the closeness of 'community spirit' because people will hate each other over this and the presence of the towers will always be a constant reminder of the rift that thus, the winds will never heal." These are words from someone who has first-hand experience of the wind industry's impact on her community. Funding for education is a worthwhile cause, but for schools, there is one thing even more critical than money — and that is students. Six weeks after I read the letter mentioned

above to our county commissioners, the Kokomo Tribune ran an article with the headline "Slumping enrollment threatens funding at Tipton schools." This is not an isolated occurrence. In fact, according to a non-profit group from Clinton County, Indiana, every school district in that state where wind farms were constructed has had a decrease in school population. While school enrollment in rural districts is obviously affected by many factors beyond the presence (or absence) of industrial wind turbines, I think these statistics show the Seneca East Board of Education is wise to be concerned about Seneca Wind's potential impact on the district.

Although many local wind leases were signed years before the rest of the community was made aware of the Seneca Wind project, it is now apparent the vast majority of residents who would live within Seneca Wind are opposed to its construction. Even the youngest of children cannot fail to notice the sea of yellow signs that cover so much of this county. If the wind industry continues using school funding to justify overriding the community's vehement objections (including the local board of education's unanimous opposition) I fear the message to our youth is that it is OK to ignore your neighbors' concerns as long as you receive enough money while you are doing it.

It is my hope our children instead will learn other lessons from the wind industry's foray into Seneca County. Rather than holding up money as the "end all, be all," I hope the current debate teaches that neighbors and friends can share good intentions even when they find themselves on opposite sides of an issue. And when the wind industry finally leaves Seneca County, I pray our children will look back on this chapter and recognize there is value in each individual voice. Joined together, I am confident those voices will ultimately prove that neighbors who are smart, engaging and passionate in their advocacy of their families and their community can create a chorus more powerful than any amount of money.

Charles Groth,
Bloomville

Sources:
Seneca County Board of Elections
data, accessible online at
seneca.ohiohouse.com
"Memorandum in Support of Peni-

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tion for Leave to Intervene of the Board of Education of Seneca East Local School District, filed with the Ohio Power Siting Board Nov. 15, 2018, in Case No. 18-0488-EL—BGN

Full text of Harper's letter is available at edgarcountywatchdogs.com/2018/03/meeet-line-harper-board-member-writes-voting-pro-wind-slumping-enrollment-threatens-funding-at-tipton-schools/ July 28, 2018, accessible online at www.kokomotribune.com

"The Truth About Education and Industrial Wind" by Responsible Harvest of Clinton County Inc., accessible online at www.responsibleharvest.com

WIND FARMS AND STINKY FARMS

On the west side of Seneca County there is a huge landfill, run by a company called Sunny Farms, only as it turns out, it has become "stinky farms." This started as a local landfill that has now changed hands several times. It now takes out-of-county and out-of-state waste, including building materials which when decomposing, produces out-gassing that smells like rotten eggs. What does this do to the quality of life, health and property values to nearby residents? Did the landfill owners tell people in the vicinity what effects this would produce, before they took on this project? The answer would be, of course not.

Are the out-of-state people pushing for wind farms, or are they only telling them about a way to make more money from their land? Only by attending area meetings, getting information from research gathered from places already having gone through this experience, and reading scientific information have we come to the conclusion that wind farms are not the right answer for rural Seneca and surrounding counties. In fact, they may not be the solution to the energy question at all. Remember the "flavor of the week" when it was all about nuclear power plants for energy?

The subjects seem somewhat unrelated, but in the cases mentioned above, big corporations are trying to "dump" on areas far away from where they are headquartered. Let's learn a lesson from "stinky farms" and not create another problem with "windy farms" without a lot more research.

One opinion we read lately suggests that you should be able to do with your

land what you want. We agree wholeheartedly with this concept, except what you do on your land has an adverse effect on the rest of us. We would imagine, that is why there are agencies, zoning laws and EPA regulations that tell us we have to do certain things and not allowed to do others on our land, because it might have negative results on the lives of others or our world environment in general.

Let's learn from the problems that have resulted from the landfill site. Let's use a lot more discretion now and in the future about what we allow to happen that could or would harm the health and welfare of others. Let's look into solar power and geothermal energy, if we are looking for renewable energy sources. Let's not be sold a bill of goods. We need to be sure we are always vigilant and get all the facts before we jump in to a "quick fix." If it sounds to good to be true, it probably is. Caring grandparents,

Fred and Kay Zinger,
Tiffin

LETTER

THE COMPANY WE KEEP

This was written after spending six hours in the Seneca County Common Pleas Court listening to sPower demand immediate access to land the company hopes to include in its proposed Seneca Wind project. sPower vice president of wind power, Peter Pawlowski, said things a typical public relations department would encourage, including, "This will be a 30-year-plus relationship with these landowners and communication is key to that relationship." The problem is that Pawlowski feels his company has the right to force this 30-plus-year relationship on landowners whose leases expired in 2018.

And the idea that sPower values communication is a classic case of pay attention to what I say and not what I do. sPower attorneys repeatedly argued today that their contracts require no notification to the landowners when the company elects to move a parcel to another stage of development. sPower asserted it has the

right without consulting or even notifying landowners to convert parcels to the construction phase, thus lengthening the term of the lease by three years. Meanwhile, the Ohio Power Siting Board has not yet granted Seneca Wind the certificate required to begin construction. That approval — if granted — may not happen until this fall. By then multiple leases in question will have been expired a full year.

Testimony today also revealed that (just like my own experience described in a previous letter to the editor) multiple landowners failed to receive rent payments from sPower prior to the expiration of their leases. sPower attorneys did not refute that sPower did not make rent payments, but instead insisted it is the obligation of the landowner to notify sPower in writing when the company fails to keep the terms of its own lease.

The arguments used by sPower in court today should come as no surprise to anyone who has dealt with this company.

As early as last spring, Seneca County Commissioner Holly Stacy wanted more information about the Seneca Wind project. A public record request shows that she reached out — but not to sPower. Instead, Stacy emailed John Arehart, an employee of Apex Energy affiliated with Republic Wind, a separate proposed wind project in Seneca County. "I know this is not your project," Stacy began, then lamented that sPower had not been in contact with the commissioners. "It's hard for us to provide accurate information to citizens when it's not shared with us," Stacy's email states.

"I completely agree with your assessment," Arehart replied, "We are not happy with how this project is being handled, either." Arehart further opined that sPower "certainly doesn't represent our industry well" (emphasis added). I oppose wind projects in Seneca County and I acknowledge that. But Stacy and Arehart do not, in spite of her own experience (and the vocal

wishes of her constituents), Stacy continues to support Seneca Wind, and Arehart is himself employed by the wind industry.

If Seneca Wind is built, it will be a massive undertaking that will permanently alter the landscape of much of Seneca County. I am gravely concerned that such a project would be controlled by the same company that was woefully unprepared for the community meeting last April at Camden Falls, the same company that has apparently been as unresponsive to colleagues and county leaders as it has been to concerned citizens, the same company that has no qualms relying on the courts to force the holders of expired leases into a "30-year-plus relationship," the same company that even colleagues acknowledge doesn't represent the industry well. In short, the same company we don't need or want here in Seneca County.

Jim Hoffer,
Bloom Township

DECIDING CORRECTLY ON SENECA WIND PROJECT

Others have said the Seneca Wind project should not be built for a variety of reasons, among these being the heavy financial cost to agriculture and the environmental toll that will occur by the killing off of bat populations that are a proven result of wind turbines; the dangers to underground aquifers shown to be at risk by Ohio EPA maps; the hazards to the American eagles that are attempting to re-establish in the area; and, due to the large and dispersed population of Seneca County, the proven and possible negative effects on the health of a great number of people who must live close to the turbines.

Let me state that I agree with those arguments, but the reason I would like to bring forth for the project's approval to be withheld has to do with the particular company that has applied to build it and the tactics that have been used in developing it. This project has been through three different companies so far in its development, first John Deere Renewables, then Exelon and now sPower. This project has a history of strong-armed and intimidating tactics. In my particular case, I was misled and intimidated into signing a setback waiver. The only reason I considered signing such a contract was to enable my brother to have a turbine on his property adjacent to mine, even though I objected to it. I felt it my duty to end the brother-against-brother conflict that Exelon had initiated. The reps from Exelon misled me into signing a contract that was more expensive than was needed to help my brother and which allows a turbine to be sited on another neighbor just a few feet from my property line and very close to my house. When sPower bought out the project, I informed them of how I was treated, but they refused to allow the contract to be modified. On top of that, they withheld payment to me that was specified in the agreement. I had to threaten them with a lawsuit before they decided to pay.

In conversations on the subject, I have learned many other leaseholders wish they had never become involved with sPower. I would estimate a full one-third of those holding agreements with sPower would rather not be a part of the project now that they know the size and scope will be far larger than they were ever lead to believe by land agents. About one-fourth of the sPower contracts have ex-



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issues after the project is built. Given the proven negative history of sPower in dealing with the local people, there is little doubt that ignoring and intimidating followed by the purchase of positive PR spin will be their method of dealing with such issues.

If wind energy is really to be the savior of our climate that its proponents claim, then the negativity caused building of a project in a highly populated area by a company that has demonstrated its willingness to abuse surrounding people will only serve to work against that goal. The combination of a heavy and dispersed local population and a company with a history of thuggish tactics will work against any lofty stated goals that the state of Ohio may embrace in its energy policy.

I would certainly hope the OPSS considers this part of the big picture when making its important decision.

Jim Hoffert,
Bloom Township

LETTER

WIND TURBINE MISCONCEPTIONS

In a recent A-T article about wind turbines, Gary Baldosser was quoted at some length describing how turbines work to provide power. Unfortunately, his description left some hefty misconceptions in the minds of readers who are unfamiliar with the subject.

When Baldosser states that wind turbines' "efficiency is that they are quickly able to go on and off line" and if we need extra power it is easy to "put more turbines online," it leaves the impression that wind turbines are turned on and off with a switch and that the wind is always there to use at a moment's notice. This is just not the case.

In real life, the variable wind only blows enough for the turbines to generate one third of the electricity they could if they ran full power all the time. And, as every reader knows, the wind blows when it wants to, not when you want it to. In real life, the turbines are seldom if ever "switched off" if they happen to be turning. The wind companies are loathe to do so because they do not want to lower their average output to even less than one third.

The intermittent output of turbines is

one of their big downfalls. Some people like to say that it's not a problem because they are connected to the grid and some other generating source will fill in the gaps. Currently, the only reliable source of power that is always ready to ramp up at a moment's notice is certain kinds of natural gas generators. In the end, they will generate the two-thirds of the electricity that the turbines were suppose to provide but can't because of variable winds. If you like the fracking that enables the supply of natural gas, then you will love having more turbines. And, because of the physics involved in using gas as a backup, the inefficiencies cause as much or more gas to be used in backing up wind turbines as would be used in more efficient full-time gas generators making all the electricity and not building any turbines in the first place. That is why wind turbines do not save on CO2 emissions. And remember, whenever you read that "wind energy is now the cheapest form of electricity" the cost of backing it up when the wind slows is not included in that price. Intermittent electricity has little value to you as the end user.

But what about batteries, you say? Bal-

dosser's 55-gallon drums sound like batteries! Giant batteries that could soak up power when the wind blows and then disperse it when the wind slows would be wonderful. But the many stories we read about batteries for such purposes are talking about sometime in the future, if ever. While there are a few installed in California and Australia, they are only capable of storing a few seconds' or minutes' worth of power, and they do so at a very high cost. While there are many storage ideas being researched, there is nothing even close to being developed or deployed that can store the massive amount of electricity needed at an affordable price. Maybe someday, but certainly not anytime soon. If we were to ramp up current battery technology to the required scale, besides being extremely expensive, it would involve many environmental impacts and require moving mountains of earth on a scale even greater than mining coal to acquire the necessary natural elements like lithium, etc.

In the end, there is no perfect way to generate electricity without causing some issue. If we think CO2 is the immediate biggest problem, then we should be installing more nuclear plants, as they are the

only thing that can generate massive amounts of stable electricity with no CO2. But then people worry about the waste lasting thousands of years. If, as we see in the news, the world is going to end in 10-20 years if we don't stop emitting CO2, then which should be our top priority, the 10-year problem or the 1,000-year problem? It is too bad that we have to let politicians and politician-appointed state agencies sort this all out. Their focus will always be on doing whatever the current fad is to gain votes and collect money. Eventually, they will realize that large number of voters being forced to live near wind turbines will not be happy with their current politicians. At that point, the wind fad will be over, but we will be left to live among the huge flailing armed machines for decades into the future, while things like solar panels would have had very few effects on surrounding residents.

Some will make lots of money on wind power and they will be happy. They are the ones so busily promoting it now. Every fad in history was pushed to its maximum by those making money on it.

Jim Feasel,
Tiffin

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Opinion

6A — Tiffin, Ohio Friday, May 10, 2019

The Advertiser-Tribune

Rob Weaver, editor

rweaver@advertiser-tribune.com

LETTER

UNHEARD OF DANGER

I would like to share evidence that infrasound produced by wind turbines is harmful to our health. What is infrasound? This is sometimes referred to as low-frequency sound. It is sound lower than 20 hertz, or cycles, below the "normal" limit of human hearing.

A colleague, who knows me as a retired professor of German at Heidelberg University in Tiffin, made me aware of a broadcast from Nov. 1, 2018, by ZDF, German television, titled "Ungehörter Lärm" (Unheard and Unheard of Noise). It contains interviews with several German and American physicians and scientists. Their conclusion: Infrasound has negative effects on the strength of heart tissue, on the brain and on the auditory system. I was able to view the broadcast online several times, to translate or summarize parts of it. Here are some of the main points.

The principal focus of the broadcast is the research of Dr. Christian-Friedrich Vahl, a cardiac surgeon at the University Clinics in Mainz, Germany. His team has exposed various sized pieces of live human heart tissue, as well as single heart cells, to infrasound in laboratory conditions. His results have been replicated and show in

measurable terms that in all experiments there is a proven reduction of strength of the tissues of the human heart when they are exposed to infrasound signals.

When asked whether other scientists are doing related research, Vahl cited the work of a team of researchers at the Institute for Physiology at the University of Hamburg, Germany, which has shown similar results when working with live rat subjects. He also cites the findings of research on the vessels of the heart by a team of scientists at the University of Rostock, Germany, which shows similar results.

Asked about his stance on wind energy, he said he thinks we need to continue to support wind energy production, but that wind installations must be kept at great enough distances from human habitation and gathering places to assure that we do not endanger people's health.

Dr. Lars Ceranna of the German Federal Bureau for Geoscience and Raw Materials also was interviewed. His team has been monitoring vibrations and infrasound for many years, originally as part of a program to ensure compliance with the Comprehensive Nuclear Test Ban Treaty. He reports they have found there was no measurement norm for frequencies below 20 hertz (infrac-

sound) for wind energy installations; indeed, those sounds had been left unmeasured. His team is correcting that. He has measured infrasound signals from wind turbines as far as 9 miles away from a wind park.

Other researchers presented in the same broadcast indicate negative effects of infrasound. One of them, Professor Simone Kuehn of the University Clinic of Hamburg-Eppendorf, Germany, has conducted research on the effects of infrasound on the brain. Her team found that sounds below the human limit of hearing activate areas in the brain that deal with stress and conflict. Kuehn's team has developed the hypothesis that we can deal with annoying sounds we can hear, for example by moving away from the source of the sound or by using protective devices over our ears. But sounds which we can't hear, such as infrasound, we don't recognize. We are not aware of them, so we can't dismiss them. That may cause stress. The team has also begun studying the exposure to infrasound as a cause of sleep disturbances reported by people who live close to wind parks.

Retired U.S. Army Col. John B. Alexander said various countries have even conducted research on the use of infrasound as

a non-lethal weapon, especially during the Cold War era. In the U.S., research on infrasound as a weapon has been reduced due to technical issues and inconsistent test results.

Dr. Alex Salt of the medical school at Washington University in St. Louis is an expert on maladies of the inner ear. His research team has shown that the inner ear reacts to infrasound signals, even very low signals of 5 hertz and lower. The reason is due to the anatomy of the inner ear, which has two types of hair cells that react to sound. Infrasound stimulates only the outer cells, not the inner cells, but it does produce an electric reaction in the ear which is not audible. This may be related to symptoms such as headaches, nausea, sleep interruptions and lack of ability to concentrate. His team has had complaints from wind energy companies denying his results, but he insists that they have been repeated in laboratory conditions.

Since viewing this broadcast and discussing it with others, colleagues have sent me additional documentation of scientific evidence of the dangers that infrasound poses to health. I will present them to the Ohio Power Siting Board.

Robert Berg,
rural Tiffin

LETTER

REINEKE TO THE RESCUE

For well over a year now, the citizens of Seneca County have been dealing with what can only be called an invasion by wind companies intent to build hundreds of over 600-foot-tall wind turbines in the area. It has caused a great deal of concern and, even though our Seneca County commissioners could have done several things to help the situation, Holly Stacy and Shayne Thomas have steadfastly refused to offer any consolation whatsoever. Rather, even to any impartial observer, it appears as if they are working for the wind companies instead of the people in Seneca County as they have done absolutely nothing to address even one of the hundreds of disturbing details associated with the projects.

Thomas did, finally and begrudgingly, vote to rescind the automatic tax breaks to such projects, but only after it was assured that the two big projects under consideration would get their special tax treatment (payment in lieu of taxes) and keep many millions of dollars that should have come

to local schools and agencies instead. To this day, Stacy continues to lobby the state government to allow wind turbines to build closer to neighboring property lines.

The state regulators have documented evidence that turbines operating in Ohio have experienced blade failure, throwing pieces as heavy as bricks over 1,500 feet. Stacy thinks it would be just fine if they built one less than half of that distance from your property line and is intent on getting that written into state law. It is entirely unethical for her to pursue such an agenda against the best interests of the people of Seneca County from the commissioners chair. She should submit her resignation immediately and find a more suitable position somewhere else to promote her agenda, if that is her passion.

But, luckily, into the void of local leadership steps State Rep. Bill Reineke by introducing a bill that would give the citizens in the affected townships the opportunity to initiate a referendum on wind projects. The people who must live in and

near such projects are the ones who should decide if the benefits outweigh the costs in their area. This approach will let wind projects flourish where they are a good fit and be kept out of areas where they are not. Local residents are the only people who know what is best for their area.

Reineke's proposal was attached to HB 6 as an amendment and recently passed the House in Columbus where it will now move to the Senate for consideration. Wind companies, and no doubt Stacy, will fight it every step of the way as they attempt to stifle the voice of voters. But, in the end, wind energy will have a brighter future if it is developed by working with voters instead of being forced onto them as current state law allows. This is an idea whose time has come and it will behoove wind companies to work with it and not against it.

Thank you, Reineke, and continued success in your efforts to do the right thing for your constituents!

Jim Feasel,
Tiffin

TODAY IN HISTORY

By The Associated Press
Today is Friday, May 31,
the 151st day of 2019. There
are 214 days left in the year.

Today's highlight in history:
In 1962, former Nazi official
Adolf Eichmann was hanged
in Israel a few minutes before
midnight for his role in the
Holocaust.

On this date:

In 1916, during World War
I, British and German fleets
fought the naval Battle of Jut-
land off Denmark; there was
no clear-cut victor, although
the British suffered heavier
losses.

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clude a return address. Letters
are not published, but
are used for verification.

of interest.

Say 'no' to industrial wind turbines in county

I want to thank Commissioner Mike Kerschner for listening to residents of Seneca County and their concerns about the application Seneca Wind LLC has submitted to the Ohio Power Siting Board asking OPSB to approve installation of 70 large-scale industrial wind turbines in Seneca County. At the June 5 commissioners meeting, Kerschner stated he would be the voice of residents opposing this project.

Jan Sampson
is a guest columnist.

At this meeting, Commissioner Holly Stacy referred to the establishment of the alternative energy zone put in place by former county commissioners and read a long list of county agencies, schools, etc., who expect to receive tax dollars as a result of the turbine operation. When questioned during the open forum by many of the meeting attendees, Stacy appeared adamantly unwilling to consider any non-monetary concerns.

Promises made by Seneca Wind LLC to Seneca County residents mirror promises made in other states and communities in the United States and Canada where industrial wind projects have already been constructed and are operational. Stacy appeared unwilling to hear about the negative experiences of residents in those communities after the wind turbines began production.

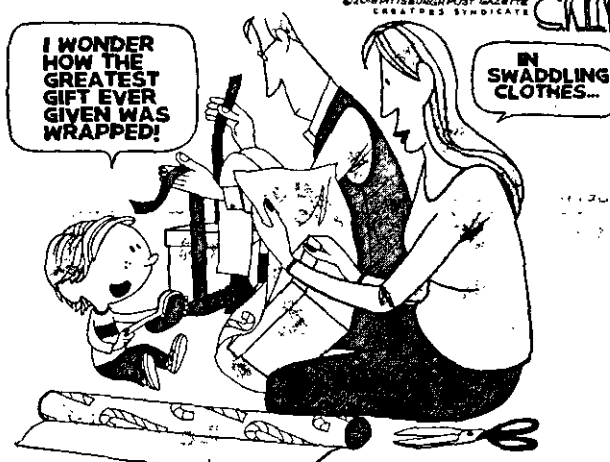
Sadly, after the project was approved and huge turbines (in many cases 500-foot towers, similar to what is to be installed here in Seneca County) began operating, residents saw significant drops in property values, people reported health problems associated with turbine operation, there were very few long-term jobs created in the community, and their lists of other negative impacts goes on. At the June 5 meeting, a letter by Jane Harper, former county commissioner in Tipton County, Indiana, was read. Harper wrote about her regrets for allowing a wind facility to become a reality in her county.

I have read scientific studies that state health impacts (shadow flicker, noise and infrasound) are an issue; property values actually drop anywhere from 12 percent to 40 percent in the area where wind turbines are installed; interpersonal relationships between neighbors are never the same; environmental changes (some due to significantly reduced bat populations — our natural mosquito and pest fighters) are very real.

Here is a link to just one of many stories of a community that agreed to installation of an industrial wind generating facility in their community (Lockport, New York), and the negative consequences they experienced after the turbines began operating. This link opens a news article in the *Union Sun & Journal*, Lockport, New York: http://www.lockportjournal.com/opinion/ap-ex-s-windy-disinformation-campaign-ignores-reality/article_a7064ad-7bf4-5afb-b533-6d051730fb6a.html.

"Life Under a Windplant," is a documentary video featuring many residents from Meyersdale, Pennsylvania, and what they experienced after their industrial windplant (20 turbines each 375 feet tall) began operating. The documentary is viewed in three parts (8 1/2 minutes each) at:

Part 1 — www.youtube.com/watch?v=SNxvkrgrgP0
Part 2 — www.youtube.com/watch?v=uFV2ukOtU
Part 3 — www.youtube.com/watch?v=AOd5tSZF3A4



I have additional links to other online independent studies concerning property values, health impacts, etc. I will share these links if you contact me at jsamps0318@yahoo.com. I encourage you to do your own research as well.

Republic Wind recently ran a large ad in *The Advertiser-Tribune* touting the benefits of their windplant to "our children." In evaluating what is in the overall best interest of Seneca County and its residents, it is critical to realize that it's not just about the money. There is only one source for tax revenue (whether it is in the form of federal tax credits paid to windfarm developers, or in the form of tax payments promised to Seneca County) — the source is the individual taxpayer. We all fund the federal tax credits. There are other real issues that must be considered.

Now that we have knowledge about the experience of communities where industrial windplants are now operating, Seneca County commissioners are wise to re-evaluate retaining the alternative energy zone and to consider the many other significant drawbacks for operating an industrial wind facility here and the overall impact on the community — not just the impact on expected tax revenue.

The AEZ previously granted by Seneca County is a "welcome mat" for Seneca Wind LLC and its proposed turbine project. When granted, the AEZ seemed reasonable; however, we now know more than we did at the time the AEZ was granted. Kerschner now favors rescinding this AEZ and made a motion to do so. However, Stacy would not second the motion and it died. Although absent from the meeting June 5, Thomas has stated his support for the AEZ.

Rescinding the AEZ does not necessarily stop the project, but it does make Seneca County less attractive to developers who are more interested in qualifying for production tax credits (the federal tax breaks developers receive for their project) than they are in adding energy capacity to the electrical grid or providing Seneca County with increases in long-term employment. Approval for the installation of these 500-foot-tall industrial turbines lies solely in the hands of the Ohio Power Siting Board. Removing the

Seneca County AEZ welcome mat is a step in the right direction to protect Seneca County residents from experiencing the very real negative consequences experienced by people living in Lockport, New York, or in Tipton County, Indiana, and in many other areas in the US, Canada and Australia.

Everyone in Ohio should be concerned about setback distances and attempts to change the law in the Ohio Revised Code to measure turbine setback distances between the turbine base and the nearest residential dwelling. Legislation is being proposed in Ohio to change setback measurement methods from the historical method of measuring between the turbine base and the property line of the nearest adjoining property. Measuring setbacks from turbine to the nearest residential dwelling significantly hampers all non-participating property owners in the use of his/her own property and encumbers the property of the non-participating owners when it is placed on the market to sell. This must not happen.

Seneca County has no local zoning authority. The approval of the project application by Seneca Wind is solely in the hands of the Ohio Power Siting Board. For this reason alone, I urge Seneca County residents to submit public comments opposing approval of Case No. 18-0488-EL-BGN to the Ohio Power Siting Board. Comments can be submitted on the OPSB website:

<https://www.opsb.ohio.gov/siting-case-breakdown/18-0488-el-bgn-seneca-wind-farm/>. Comments also may be submitted by U.S. mail to: Ohio Power Siting Board, 180 E. Broad St., Columbus, OH 43215 or by calling toll-free (866) 270-OPSB (6772), or via email directly to contactopsb@puc.state.oh.us.

Seneca County is too heavily populated for an industrial wind facility; the negative impacts outweigh the promised tax revenues. Based on what I have learned, I oppose Seneca Wind LLC and their Case No. 18-0488-EL-BGN before the Ohio Power Siting Board.

This is a long letter, but this is a complex issue that should be carefully studied by all residents of Seneca County.

Thank you.

Opinion

The Advertiser-Tribune

Rob Weaver, editor

rweaver@advertiser-tribune.com

LETTER

COMMISSIONER IGNORES SAFETY RISKS

April 24, Seneca County Commissioner Holly Stacy submitted written testimony to the House Energy and Natural Resources Subcommittee on Energy Generation regarding her support of HB 6 which, among other things, would provide funds to help keep the Davis-Besse nuclear power plant operational. I'm glad to see her support of this bill. However, her testimony also raised a concern that HB 6, as written, could potentially harm renewable power generation, including wind power, because some of the funding currently used to promote the use of renewable energy would instead be redirected to support Davis-Besse.

Per a public information request, once again, Stacy's letter was written entirely by Tom Bullock of the Chambers for Innovations & Clean Energy, who is also a Lakewood City Councilman. As a reminder, in October 2017, Bullock submitted a testimonial letter regarding Sub-HB 114 written on Seneca County commissioner letterhead addressed from Stacy without her approval. So again, Bullock is spinning his agenda in Columbus all in the name of Seneca County.

The most recent letter includes the following statement: "In Seneca County, we look forward to the future development of wind farms. ..." Who is "we?" We, the commissioners? Or we, the people of Seneca County?

Bullock's letter, oops, I mean Stacy's

letter also states, "I also ask you to consider no new energy bill without the restoration of reasonable wind siting regulations so that developers are no longer hindered by the current, unreasonable setbacks."

Current, unreasonable setbacks! The current setback law is defined as 1,125 feet plus the rotor radius of the turbine measured from the nearest property line of a non-participating landowner. For the 584-foot-tall turbines that are proposed in the Seneca Wind project (208.5-foot rotor radius), the setback distance would be 1,333.5 feet from the property line.

The pre-2014 setback law was defined as 1,125 feet plus rotor radius from the exterior of an inhabitable residence of the nearest non-participating property owner and a minimum of 1.1 times the total height of the turbine measured from the property line. So this means the turbine would be located 1,333.5 feet from the exterior of a home and a minimum of 642.4 feet from the property line. The turbine manufacturer's safety guidelines for their own employees recommend they stay a minimum distance of 1,640 feet away from the turbine in the event of an emergency. But Stacy and other pro-wind advocates are pushing for setbacks of 642.4 feet from our property lines.

Per a 2018 WindPower Engineering & Development article, there are 3,800 turbine blade failures every year globally. That is an average of over 10 failures every day. If the wind projects are built in

Seneca County, it is not a question of if we will have a turbine blade failure but instead is just a matter of when. There have been three blade failures so far in Ohio and debris has been thrown as far as 1,561 feet for turbines that are only 476 feet tall. But Stacy and other pro-wind advocates are pushing for setbacks of 642.4 feet from our property lines.

April 29, HB 223 was introduced by District 39 Rep. Fred Strahorn, D-Dayton, and District 13 Rep. Michael Skindell, D-Lakewood). The bill was co-sponsored by a group of eight other big-city Democrats who want to dictate how we should live our lives in Seneca County. This bill, as proposed, would reinstate the pre-2014 setbacks. Please call or write as many of your state representatives and senators as possible stating your objections to this proposed bill.

The bottom line is that this group of big-city representatives along with Stacy want the setbacks reduced so more turbines can be installed in Seneca County, consuming more taxpayer funded subsidies, while ignoring the increased safety risks and quality of life of rural residents. If Stacy truly cared about the well being of Ohio and county residents, she and the other pro-wind advocates would be lengthening the setbacks instead of trying to shorten them. This is exactly what is happening in other states.

Greg Smith,
Bloom Township

LETTERS

WIND FARM OPSB MEETING

Just a reminder to everyone of the Ohio Power Siting Board meeting April 23. It is important that all who are concerned have a chance to voice or submit their input about the wind farms proposed for our area. It will be at the Mar-

ion Center, 235 Miami St., on the Tiffin University campus from 3 p.m. to 9 p.m.

In review of the news events of 2018 in The Advertiser-Tribune, there were at least 14 articles regarding the wind farms. We observed that a significant number of citizens, on learning more about the wind farms, including some political officials, have decided against the wind farms for our area.

At least attend the meeting and have your say, so this hopefully doesn't turn into another "Stinky Farms" (aka: Sunny Farms) situation. Once the damage has been done, it will be almost impossible to go back to the environment we now enjoy.

We may not have the money that has been spent by these big corporations on advertising and influencing people of their "great value and benefits" to our community, but we do have concerned and caring citizens, that can come together, to let the OPSB know how we feel. Please attend this meeting to either speak or submit in writing your concerns on the wind farms. It will be the last opportunity for your input on this project. Remember if you don't feel comfortable voicing your opinion, you can give a written submission that day.

Respectfully

*Fred and Kay Zirger,
Tiffin*

PUT IT UP FOR A VOTE

After reading the numerous letters, both pros and cons, about the wind turbines, we would like to suggest the county commissioners postpone their decision until after all tax incentives are off the table. If the project is that beneficial to all Seneca County residents, it will sell itself without a tax incentive. As Lord Chesterfield said, "Whoever is in a hurry shows that the thing he is about is too big for him."

Major decisions should never be made in haste. It would seem to be more prudent to give this matter more time and thought before making a final decision. As Benjamin Franklin said, "great haste makes great waste." We would like to suggest, because so many seemed to be opposed to this plan, that instead of just three people making this decision, we put this up for a vote for all the people in Seneca County.

Sincerely,

*Fred and Kay Zirger,
Tiffin*

THE ANSWER ISN'T BLOWING IN THE WIND

The new Budweiser commercial shown during the Super Bowl claimed it is powered by 100-percent renewables, which is a fallacy. Did you notice there weren't any homes shown near the turbines? The reality is much different for us here in Seneca County.

We have said numerous times previously that we will have 18 turbines within 1 1/2 miles of our home. We recently found out our situation is even worse. Our home is "receptor" 77 on Seneca Wind's noise and shadow flicker map. Our home ranks No. 5 on the list of homes in the footprint with the most shadow flicker exposure and No. 1 for non-participants at 62-plus hours per year. The allowable standard per the Ohio Power Siting Board is 30 hours for non-participating landowners.

Other people will be making money on these projects, yet we will be bearing the brunt of the negative effects and suffering the consequences. When we bought our 35 acres in 2002 and built our home and dedicated our acreage to nature and wildlife, we never would have dreamed that it would potentially be scarred forever. How can our elected

officials ignore this and not help?

The Budweiser commercial included audio from Bob Dylan's song "Blowing In the Wind." The situation with our elected officials is ironic when you listen to the lyrics of the song:

Yes, 'n' how many times can a man turn his head

And pretend that he just doesn't see?

The answer, my friend, is blowin' in the wind

The answer is blowin' in the wind

Yes, 'n' how many times must a man look up

Before he can see the sky?

Yes, 'n' how many ears must one man have

Before he can hear people cry?

The answer, my friend, is blowin' in the wind

The answer is blowin' in the wind

*Greg and Janeen Smith
Blower*

LETTERS

**DON'T LET RIGHTS
BE STOLEN BY DOLAN**

So now word comes out of Columbus that the Ohio Power Siting Board is seriously considering rules requiring wind companies to report blade throws and other incidents that are threats to public safety. Really? Do you mean they haven't had to do that all along? Well then I guess it's time they started!

The OPSB staff has recommended that the Seneca Wind Project not be allowed to go forward. We'll see if that recommendation holds up or if sPower can hire enough lawyers to push it through. But regardless, there are two other projects in the works and then three more beyond that trying to get landowners to sign leases in Seneca County. With all the government handouts to wind projects, developers are making an all out effort to grab the loot and cover us up in wind turbines.

Currently state law allows 600' tall turbines to be built about 1335 feet from neighbors. But as part of their new rule process the OPSB has learned that wind turbines in Ohio have thrown 6 pound chunks of blade hundreds of feet farther than that. My question is why in the world would they allow turbines built so close to the neighbors when they already know it is not safe?

After attending committee hearings in Columbus and listening to what is said there I think I know the answer to my question. Lobbyists for the wind companies wait in line all day to testify, one after another after another, about how wonderful wind turbines are and how if only they could build them closer to neighbors the world would be a better place. And there are politicians there that believe that without a care for public safety. Our rights to be safe on our own property are being stolen by Dolan and his ilk in the Legislature.

It is high time the Reineke Referendum become the law of the land in Ohio. It is obvious that we cannot rely on the wind companies or many of the politicians in Columbus to watch out for us. With the opportunity for a referendum on wind projects we can watch out for ourselves by looking at the project plans and voting them out if they are not designed with our communities best interests in mind. Being told that we must damage our community to save the planet is a salesman's line that I might buy into, but not when it comes with the power of the state forcing me to. I can recognize crony capitalism when I see it.

*Jim Hoffert
Bloomville*

LETTER

**THIS IS NO WAY TO
RUN ENERGY POLICY**

Attending committee hearings at the State Capital on HB-6 is quite a learning experience on how energy policy is conducted in Ohio.

With all the discussion wind energy has brought to Seneca County we have heard the wind companies say countless times that we must cut our CO2 emissions and do it quickly or the planet is in extreme jeopardy. That they say is reason enough to turn our area into one big industrial power plant with 600 foot tall machines spinning all around us.

But in Columbus I heard these very same people make the case that there is NO good reason to keep Ohio's two nuclear plants open.

These two plants generate 90% of the carbon free and fossil fuel free electricity in the state and have been certified to operate another couple decades. Did the wind people all of a sudden turn into climate deniers and decide this doesn't matter? And if it doesn't matter then why do we need to cover our county with wind turbines? It would take over three Ohio counties completely covered with wind turbines (1500+) to replace the two nuclear plants. And that just gets us back to where we are now. Is that what we want for Ohio?

One soon learns that the truth is there is big money to be made in renewable energy because of all the incentives, both state and federal. HB-6 would only remove a couple. On the other side of the equation there has been no growth in demand for electricity over the last decade. So the renewable industry fights hard to get other forms of generation shut down so they can expand their own market share and grab those incentives before they disappear.

When mega corporations come begging to the State for favors it's a game of greed all around, but when wind plays it thousands of people end up having to live beside the monster machines and watching their beloved homeland change into a heavy industrial zone. That's why wind development without the voice of the people involved is politically unsustainable. The Reineke Referendum provision in HB-6 will fix that and give wind developers the guidance they need to work with the local citizens instead of against them.

The current policy of state backed corporations forcing wind projects onto people is hurting wind development. Wind will have a brighter future in Ohio when it is developed in a spirit of cooperation instead of confrontation as it is now. The wind industry is currently fighting the idea of a local referendum but will eventually learn it is best for their own future.

Let's just hope this comes soon enough for Seneca County. If it does then maybe the possibility of getting voted down will convince Seneca Wind to remove those 5 turbines that are too close to our airport, and move those 12 turbines planned within a mile and a half of Seneca East K-12 a little farther back. As it is they stubbornly oppose any such modifications to their plans. And when we push back on the wind developers to make the plans better fit our area they accuse us of being paid by coal companies. Really? This is no way to run energy policy.

*Jim Feasel
Eden Township*

dusky counties. The email contact address to this board is OPSB@puc.state.oh.us. If you are writing to them, the address is Ohio Power Siting Board, 180 E. Broad St., Columbus, OH 43215. This took very little time, and they did confirm that they received our email.

We also would like to ask each of the Seneca County commissioners who are to represent us, the electorate, to make a statement, using the medium of The Advertiser-Tribune, on how or if they will personally gain in any way from their stand on the wind farm projects being currently proposed. By this request, we mean any financial or other gains from this proposal since it has started up, and including any future gains, real or implied, from the present or any future projects coming into the county or surrounding area. If each commissioner responds through the paper, they can answer each electorate at once and not have to repeat themselves at every meeting held.

Counting on representative government,

*Fred and Kay Zirger,
Tiffin*

DOES MONEY TALK?

There is a flow chart that shows the progressive steps taken before the Ohio Power Siting Board for approvals or disapproval of the wind farms in Seneca County and surrounding counties. We have gone through the steps we needed to by letting the Siting Board know how we feel. If you write to or email the board, you must use a case number for each project you are talking about. Presently there are two cases being considered and you must list both of them. The first is case no. 18-0488-EL-BGN for Seneca Wind Farm, and the second is case no. 17-2295-EL-BGN, which is Republic wind farm, Seneca and San-

wind farms, but unlike the Kennedys, Kochs and other elites on the Cape Wind project, we do not have the money, position or power to influence these companies and bring a halt to their greedy plans. Like those who brought a halt to the first offshore electrical generating project at Cape Cod, we, in this mostly rural area, don't have the same status advantage. But we in Seneca County are no less important, and our environment should not be dumped on by the wind farms, either.

It is up to the Ohio Power Siting Board to make a final decision on what will happen here. It will be very interesting to see if a few politicians and "influential" people will be able to buy off the board, or if the board truly will have an open mind and listen to the people here in our area that will be so negatively affected.

We, in our county and surrounding counties, have enjoyed a good life, with a clean, plentiful water supply, clean air to breathe and an environment that our children can grow and thrive in. Our farmers have a good ecological environment to grow their crops and animals that have helped feed not only this area but the state, country and world. Do we want to spoil all of this so a few can make money, or are there somethings with more value than money?

Once the land and environment is ruined, it will be lost forever. We can see and smell this by traveling west on US 224 on the way to Findlay. The value of life as been affected badly by the landfill's greed for dollars by taking out-of-state garbage!

We so appreciate that Mike Kerschner has been willing to listen to his constituents, unlike Shayne Thomas and Holly Stacy. We have a federal republic form of government, and as such, we elect representatives to represent us, not the elected official's personal agenda.

Please, fellow Seneca Countians, mark your calendars and come express your views 3-9 p.m. Feb. 19 at the Heminger Center, 350 Miami St., on the Tiffin University campus. The OPSB will be there to hear the input of the people of Seneca County. Remember, "silence gives consent."

Proud Seneca County residents,

*Fred and Kay Zirger,
Tiffin*

Letter policies:

Letters should be limited to 400 words. A letter must include the writer's name, address and telephone number. Phone

numbers are not published, but are used for verification.

Letters may be edited for length, grammar and newspaper style.

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WHAT IS REAL COST OF WIND TURBINES?

The working class people in France have risen in protest against the Macron government in response to a horrendous rise in taxes. We likewise feel a growing movement against the moneyed "elites" and some local politicians' attempts to desecrate rural Seneca and surrounding counties with wind farms. Not only will these wind farms scar the land, but they also will have an adverse effect on the water table and ruin the ecology of our area.

The people of Seneca County have tried over and over to tell our elected officials this is not the right place for

Park district requests wind turbine buffer zones

By Vicki Johnson

Staff Writer

vjohnson@advertiser-tribune.com

Seneca County Park District filed motions of intervention Tuesday with the Ohio Power Siting Board requesting buffer zones of 2.5 miles around all county parks where wind turbines would not be placed.

The motions were filed by Seneca County Prosecutor Derek Devine's office, according to OPSB online records.

OPSB is the section of

the Public Utilities Commission of Ohio that is to decide approval or disapproval of the wind farm proposals.

An intervention means the park district has requested the right to participate as a party of record in case proceedings. Interveners are served with all documents in the case, participate in the adjudicatory hearing, and may file for rehearing or appeal a board decision to Ohio Supreme Court, according to the OPSB website.

The Ohio Revised Code grants intervention rights to individuals, organizations and government entities if they meet specified criteria.

In a letter from SCPD Executive Director Sarah Betts attached to the petitions, she said, "Less than 10% of Seneca County exists as natural areas, which are found in fragments across the landscape of the County. Adding industrial sized wind turbines in close proximity to nature preserves would cause addi-

■ please see **BUFFER**, 3A

and how wind turbines would detract from a living history education site at one of the parks.

In addition, OPSB online records show the Seneca County commissioners filed a petition for intervention Friday in the Republic Wind project through the office of attorney Michael J. Settineri, of Columbus. The petition included a resolution approved by a 2-1 vote Sept. 4, 2018. Commissioners Holly Stacy and Shayne Thomas voted in favor of the resolution and Mike Kerschner voted against it.

The commissioners previously had filed for an intervention in the Seneca Wind project.

Buffer

■ from page 1A

tional extreme vertical fragmentation of the landscape and further fragmentation of habitats on a landscape and macro-landscape scale ...

"Protecting nature preserves, these natural gems, and safe corridors between them is crucial for the wildlife that use them for access to their most essential components of life; food, water, shelter, and space."

She gave several examples of how wildlife would be adversely affected, how the experiences of people who visit the parks to see nature would be impacted

RESCIND THE AEZ

Feb. 26, we attended a special Erie County commissioner's meeting that was called to hear both sides of the debate regarding the Emerson Creek wind turbine project as to whether the PILOT (payment in lieu of taxes) should be approved for the project. Despite the claims by Apex that the revenue generated from the PILOT would exceed the tax revenue if the PILOT was not granted (only possible due to some creative and incomplete accounting), the commissioners voted 3-0 against granting the PILOT, to the cheers of the standing-room-only crowd in attendance. Apex publically stated prior to the vote that they will construct the project with or without the PILOT. If so, why wouldn't the county position itself to get the most tax revenue they can?

This same debate and vote cannot take place in Seneca County because the AEZ (alternative energy zone) is in place, which automatically grants the PILOT once a renewable energy project is certified as a qualified energy project. Therefore, there is no discussion and no vote in Seneca County.

Furthermore, the PILOT funding is fixed at \$9,000 per megawatt rating of the project. The tax rate is based on 2011 dollars and is fixed for the life of the project. What a sweetheart deal for the wind companies.

So in Seneca County, we don't discuss, we don't vote and we accept lower tax payments from the wind companies. Erie and Huron counties do not have an AEZ in place and they are better off because of it.

Despite the efforts of Commissioner Mike Kerschner, who motioned to rescind the AEZ on two different occasions, our two pro-wind commissioners failed to second the motion. It is long overdue to correct this situation.

We are asking our county commissioners to finally rescind the AEZ as soon as possible.

Greg and Janeen Smith,
Bloomville

LETTERS

MORE INFO ON TURBINES

In a letter to in the Sunday edition of The A-T, Loren Hintz spoke favorably of building wind turbines in Seneca County. I am writing today to add further information on some of his points.

Hintz made the comment that he took a trip and visited some wind turbines in Fulton and Wood counties and saw nothing objectionable. The usgs.gov website shows three turbines in Fulton area and four in Wood. They range from 300 to 390 feet tall. There are 150-200 turbines proposed in Seneca County and they will be in the 600-foot-high range. We will be living with them, not visiting, and many thousands of Seneca County residents will be living very close to them. Visibility maps filed in Columbus show that 136-180 turbines will be visible from the Tiffin Walmart location. Make no mistake, they will be a part of all of our daily lives for many decades.

Hintz appears to be making the point that the Trump administration supports wind turbines. Trump has spoken often and loudly against wind turbines and fought against them fiercely even before becoming president.

Hintz makes the point that Google has come up with software to help gas-fired generators backup intermittent wind energy. Yes, there is software to help gas back up wind, which is good because gas has to back up wind on a near-continuous basis and ends up producing 2/3 of the power that the wind turbines were suppose to produce. When the required backup of wind is factored in, then the concept of saving CO2 emissions with wind energy becomes invalid. The more wind turbines we build, the more natural gas (and the fracking that comes with it) we will need. Gas turbines run inefficiently when used as backup and actually use less gas if left operating full time instead of intermittently. And, there is no battery technology yet invented that can affordably and sufficiently replace gas as backup for wind.

Hintz says there are "simple procedures" that can be used to help prevent turbines from killing birds and bats. Yes there is. It is by turning the turbines off, which defeats the purpose for which they were supposedly built.

Hintz makes the point that nuclear is not a viable way to produce electricity mainly because of the waste problem associated with it. The new nuclear plants (Gen4) actually burn the nuclear waste we currently have sitting around, which is estimated to be enough to generate the power we need for over 200 years. No accidents have been recorded anywhere in the world on newer style plants. New nuclear plants in the United States would most likely be installed at same locations as existing plants and would have little, if any, further impact on the surrounding areas. Any serious effort to lower CO2 emis-

sions will have to include a heavy reliance on nuclear power plants because they are the only kind of power plant that can produce massive amounts of stable electricity with zero CO2 emissions. Despite common belief, wind turbines make hardly a dent (if at all) in CO2 emissions because of the backup issue stated above. And, whenever you hear that "wind is now the cheapest form of electricity," remember they are not including the cost of backing it up.

Hintz cites Costa Rica as an example of how renewables could provide nearly 100 percent of our electricity. Costa Rica does generate most of its electricity from renewables, but 78 percent of it is from hydroelectric dams, whose output does not depend on whether the wind blows. Costa Rica is a small country, but it is still 35 times larger than Seneca County. The total wind power installed in Costa Rica is less than what is proposed to be installed in Seneca County and is located in the mountains away from population.

Hintz says landowners who are facing financial problems can be helped by getting payments for hosting wind turbines. My family also owns land in Seneca County but if we were in need of money to survive, we would sell some or all of it before we would put 600-foot-tall wind turbines in our neighbors' faces against their will. We could have turbines on our property but will not participate in the exploitation of Seneca County by huge outside corporations and its transformation into a sprawling industrial wind factory. This is our home. According to his Facebook page, Hintz lives in North Carolina.

Wind turbine promoters like to constantly mention the fact they will bring money to the county. But the income from the two combined projects in Seneca County to schools, government agencies, landowner payments and salaries for the permanent jobs all add

up to less than 45 cents per day per person in the county. Seneca County is neither poor or desolate. There are many times more people here than the average place where wind projects are located around the country. Another 45 cents per day of income for each of us will not change our lives. The effects of living with 150 +/- wind turbines 600 feet tall spinning and blinking over our heads WILL change our lives and very much so for the thousands of Seneca County residents who will have to live near them. Solar would make a much better fit for Seneca County and could do everything that wind promises to do (including the income) with near zero negative effects to people living nearby. Despite everything promoters say, there is no good reason to build wind turbines in Seneca County.

*Jim Feasel,
Tiffin*

pieces of a blade might fly is a study out of Denmark saying that during normal operating conditions, they should go less than 2,296 feet. Well, that's not too comforting.

sPower's plans are showing they want to build a turbine at about 1,125 feet from my house, the minimum they are allowed because I signed the agreement. If I had not signed the setback waiver, it would have been somewhat farther because of the way my house sits on my land. But what I want to know is how can the OPSB allow any company to build a turbine that close to someone's house, no matter what they convinced me to sign, when they have studies showing chunks as heavy as bricks can fly over twice that far? I didn't think I signed away my guest's, my mailman's, or the UPS person's safety when they come on my property! Would that even be legal?

Now I hear that some politician has introduced a bill in Columbus that would make it OK for wind companies to build a turbine 1,125 feet from anybody's house. At present, they have to stay 1,125 feet from your property line. Are people crazy? These things need to be at least 2,296 feet from property lines, like the study says. And common sense would dictate even a bit farther. Doesn't the safety of the public mean anything anymore?

And speaking of politicians, I see where our own Commissioner Holly Stacy is all in favor of this new bill and moving turbines even closer. Add another one to the crazy list. Anyone who is thinking straight can see that these wind turbine setbacks need to be lengthened to at least 2,296 feet. And, if blade throws that far are possible, then any existing turbine in an already completed project needs to be torn down immediately. Public safety demands it.

We cannot let the crazy people be in charge. I'm pretty sure it's the promise of money that is making them crazy. But trading public safety for money would be a fool's game, and in Seneca county we do not suffer fools.

*Jim Hoffert,
Bloomville*

WIND TURBINES AND CRAZY PEOPLE

A few years ago, I signed a setback waiver agreement so my neighbors could have a wind turbine on their property. It wasn't the smartest thing I ever did. But because I did, I am very wary of where sPower is wanting to build these new turbines.

Just the other day, I read where Ohio Power Siting Board held a workshop on wind turbine blade throws. It seems when these things fail (and around the world, thousands do every year) they have thrown pieces of blade as heavy as brick for distances of 1,158 feet, 1,476 feet, 1,561 feet and even 1,834 feet. And those are just the ones somebody reported. The only calculations they have to predict how far