BEFORE THE OHIO POWER SITING BOARD

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In the Matter of the :
Application of Firelands :
Wind, LLC, for a :
Certificate of :

Environmental : Case No. 19-1073-EL-BTX

Compatibility and Public : Need to Construct a : Transmission Line in Huron: and Erie Counties, Ohio. :

- - -

PROCEEDINGS

before Ms. Patricia Schabo and Ms. Jacky St. John,
Attorney Examiners, at the Ohio Power Siting Board,
via Webex, called at 6:00 p.m. on Tuesday,
February 9, 2021.

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     APPEARANCES:
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 2
            By Ms. Christine M.T. Pirik
 3
            Mr. Terrence O'Donnell,
            and Mr. Will Vorys
            150 East Gay Street, Suite 2400
 4
            Columbus, Ohio 43215
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                  On behalf of the Applicant.
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Tuesday Evening Session,

February 9, 2021.

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2.1

ALJ SCHABO: Let's go ahead and go on the record.

Good evening, everyone, and welcome. My name is Patricia Schabo, and with me is Jacky St.

John. And we are the Administrative Law Judges in the Legal Department of the Ohio Power Siting Board that have been assigned to this proceeding which is Case No. 19-1073-EL-BTX.

One of our duties as the assigned

Administrative Law Judges is conducting a public
hearing in this case which involves the application
by Firelands Wind, LLC, for a Certificate to

Construct a Transmission Line in Huron and Erie
Counties in Ohio.

Due to the COVID-19 emergency that remains in effect under Executive Order No. 2020-01D issued by the Governor of Ohio in March 2020, tonight's hearing is being held through Webex which enables interested persons to offer testimony on the proposed projects by telephone or video via the internet. The hearing is also being live streamed at www.youtube.com/user/pucohio.

Before we get started with the public hearing, I would like to address some preliminary issues. First, if you experience technical difficulties during the hearing, you have several options. If your internet connection drops at any point, you can try to join Webex again by video, or you can participate by phone by dialing 1-408-418-9388 and entering meeting No. 1738503264. If neither option is successful, please call the Board's Legal Department at (614) 466-6843 for assistance. Finally, if you merely wish to listen or watch the hearing, you can view the live stream on the YouTube channel.

2.1

More information about the Webex technical help options could be obtained through the chat feature which will be available throughout the hearing. You may click on the chat button at any time to obtain technical assistance or to ask procedural questions during the hearing. The chat feature should not be used for any other purpose such as to offer comments about the proposed project. Please be aware that chats are recorded, are not part of the official record for the case, and should not be considered private.

As indicated by the entry dated

November 6, 20 -- I'm sorry, 2020, witnesses were required to preregister to testify. Individuals who have registered to provide testimony should be ready to speak when we read their name from the registration list. Individuals who are commenting by video will be unmuted by Board staff when it is their time to testify. If you are providing testimony by telephone, a Board staff member will call you at the phone number you provided when it is your turn.

2.1

Please bear with us as we work to queue up each individual which may take some time. It may also temporarily divert our attention. If this happens, please be patient and know that we are working to ensure that everyone has an opportunity to participate.

Finally, to avoid unnecessary background noise, we ask that all participants keep their microphones on mute unless you are commenting.

Again, if you have any questions about this process as the hearing proceeds, please use -- please use the chat function.

I will ask quickly if there are any questions before we officially get started. I don't see anything popping up in the chat box or anyone frantically waving.

So with that I will turn this over to you, Judge St. John.

2.1

ALJ ST. JOHN: Thank you. The Ohio Power Siting Board has scheduled for hearing at this time and place Case No. 19-1073-EL-BTX which is captioned in the Matter of the Application of Firelands Wind, LLC, for a Certificate of Environmental Compatibility and Public Need to Construct a Transmission Line in Huron and Erie Counties, Ohio.

My name is Jacky St. John, and with me is Patricia Schabo. We are Administrative Law Judges in the Board's Legal Department, and we will be conducting today's hearing. Also presiding with us today is Ohio Power Siting Chair Beth Trombold.

Chair Trombold, would you like to make any comments at this time?

Want to say I'm here in a listening mode, and I welcome all the participants that are going to testify today. I'm interested in hearing what everyone has to say about this project and thank you for being willing to do this virtually as we have been doing during the pandemic. And I think you'll find it works out just fine. These ladies are very professional, and our whole team has been able to

provide this virtual experience I think in a way that works really well. So thanks everyone for participating.

ALJ ST. JOHN: Thank you.

2.1

I would like to note that we also have OPSB staff members attending this conference including Micah Schmidt, Jill Kocher, Matt Butler, and Brittany Waugaman who will be overseeing the event on Webex and YouTube.

At this time we will take the appearances of counsel for the parties to this case. We'll begin with the Applicant.

MS. PIRIK: Thank you, your Honor. On behalf of Firelands Wind, LLC, the law firm of Dickinson Wright PLLC, by Christine Pirik, Terrence O'Donnell, and Will Vorys, 150 East Gay Street, Columbus, Ohio 43215.

ALJ ST. JOHN: Thank you. And I'll also note for the record that counsel for Staff is not present this evening.

The subject of today's hearing is an application filed by Firelands Wind, LLC, for the purpose of developing, constructing, and operating a new approximately 9 mile long 345 kilovolt overhead transmission line.

Specifically the proposed project would connect the Emerson Creek project which is a proposed wind-powered electric generating facility with the Davis-Besse/Beaver 345 kilovolt transmission line. The transmission line at issue in this case would pass through Lyme, Richfield, and Oxford Townships in Huron and Erie Counties.

2.1

Firelands' application was filed on
August 28, 2019, and was supplemented on September 12
and September 30, 2019. On May 1, 2020, the Board's
Staff filed a Report of Investigation. This report
is a recommendation from the Board's Staff and does
not necessarily reflect what the Board's final
determination will be.

The purpose of today's public hearing is to receive testimony regarding Firelands' application from entities and persons in the local community who are affected by the proposed project but who are not parties to the case. The public hearing is not a question and answer session but is an opportunity to let the Board know what you think about the proposed project.

Today's public hearing is only one aspect of this case. An evidentiary hearing is scheduled to begin on Tuesday, February 23, 2021, via Webex. The

purpose of the evidentiary hearing is for the parties in this case, including Applicant, Intervenors, and Board Staff, to provide testimony and other evidence regarding the project.

2.1

Today's hearing is being transcribed by a court reporter, Karen Gibson from Armstrong & Okey. If you plan to testify, please speak clearly so that the court reporter can accurately reflect your comments on the record. Please make sure that you verbally respond to all questions asked so that they can be properly transcribed.

After I finish with this introduction, we will call the individuals on the registration list to testify about the proposed project. Each person who registered to testify will be permitted to speak once about the project. If you are testifying tonight, we will ask you to take an oath or affirmation that what you are about to say is the truth. Your testimony will then be considered as part of the official record in this case, and it will be reviewed by the Board before a final decision is made on the application.

Additionally, counsel for the parties in this case, as well as Judge Schabo and myself, will be permitted to ask you questions about your

testimony. Should you decide that you do not want to testify when we call your name from the registration list, you can pass to the next witness. Also once you have finished testifying or if you are here just to observe, you may leave the hearing at any time you wish.

2.1

If individuals wish to supplement their testimony with an exhibit for the Board's consideration, a copy of that document along with the reference to Case No. 19-1073-EL-BTX must be provided to the Board no later than February 12, 2021. The document may be sent by e-mail to contactopsb@puco.ohio.gov or by mail to Ohio Power Siting Board, 180 East Broad Street, Attention Docketing Division, Columbus, Ohio 43215.

For those of you not testifying but who wish to file public comment regarding the proposed project, you can do so in writing on the Board's website by e-mail at contactopsb@puco.ohio.gov or by mail to Ohio Power Siting Board, 180 East Broad Street, Attention Docketing Division, Columbus, Ohio 43215. Written comments should reference Case No. 19-1073-EL-BTX.

The Board appreciates your participation in tonight's hearing, and we want everyone who is

registered to testify to have the opportunity to do so. At this time we're going to begin with the testimony. The first witness on our list tonight is William Seaman.

2.1

Mr. Schmidt, could you please promote the witness to a panelist's role.

MR. SCHMIDT: Mr. Seaman, you've been promoted. If you can enable your audio and video.

MR. SEAMAN: Okay. It looks like I'm here.

ALJ ST. JOHN: It looks so. We can see and hear you. And it looks like the name listed on your screen is Dennis Schreiner but this is William Seaman. I understand you are sharing a computer tonight; is that correct?

MR. SEAMAN: Yes. Dennis is our technical support person, so it's best to do it when he's available.

ALJ ST. JOHN: Understood. Well, before we get started, I would like to ask you to please raise your right hand.

(Witness sworn.)

23 ALJ ST. JOHN: Thank you. Please state 24 and spell your name for the record.

MR. SEAMAN: My name is William Seaman,

that's W-I-L-I-A-M. My last name is spelled S-E-A-M-A-N.

2.1

- ALJ ST. JOHN: Thank you. Please provide your address including the township.
 - MR. SEAMAN: My address is 4584 State Route 547, that is Bellevue, Ohio, but that is in Lyme Township, Ohio, in Huron County.
- ALJ ST. JOHN: Thank you. Do you reside or work within the project area?
 - MR. SEAMAN: I reside in the footprint of the Emerson Creek wind project. My brother and I own farm property in western Oxford Township as well.
- ALJ ST. JOHN: Okay. Thank you. Please proceed with your testimony.
 - MR. SEAMAN: As I said earlier, my younger brother and I own more than 230 acres of farm property and woods and one home in western Oxford Township. The Emerson Creek transmission lines and their towers skirt the western edge of one of those farms. The transmission lines and their towers will be easily visible from at least four of our farm parcels.
 - I'm here remotely tonight to publicly state my opposition to the Emerson Creek transmission line. I've examined the maps listed in the case

details of the Ohio Power Siting Board website showing the three variants of the path of the transmission line from Huron County through Erie County to the Board where it will interconnect with the high voltage line that feeds power to the PJM grid.

2.1

I have two major concerns with their transmission line project. First is the potential threat caused by the transmission lines and towers to birds and bats in our neighborhood. There has been a dramatic increase in the number of bald eagle sightings in Erie and Huron County as there have been in many portions of Ohio. The eagle populations are moving steadily from the south shore of Lake Erie into the rural landscapes of Erie and Huron County.

ODNR studies verify this fact.

Second, is there really an economic need for this project? Apex wind complexes are private projects. Their Emerson Creek projects are for the benefit of Apex, it's few leaseholders, and the governmental entities which believe they will benefit from the tax receipts from the towers, transmission lines, et cetera.

These wind complexes provide intermittent heavily taxpayer-subsidized resource wasteful power

generation. You cannot compare these projects to the public good, for example, of the Ohio Turnpike or large hydroelectric dams in the western part of the U.S.

2.1

It is easy to argue that every benefit caused by the Emerson Creek wind complex comes with an equal cost. Who will want to build a home near large transmission towers? Will the transmission towers cause local landowners and homeowners to seek and receive local property valuations; and, thus, the county township and school authorities will see less in tax receipts.

Already in my neighborhood at Hunts

Corners in Huron County, a much improved home has

been for sale for longer than one year. And I would

posit the probable cause it is not selling is because

the house comes with a good neighbor wind lease, and

those wind leases can last up to 60 years.

Ultimately I'm against this project because turning my neighborhood into an industrial park is not a good thing, not for wildlife, not for property values, not for the reliability of power generation. One hopes through the state legislative process local control will be given to township residents, not CEOs from Charlottesville, Virginia,

not lobbyists in Columbus and Washington, D.C., which would enable us to vote these projects up or down. Some townships would vote for the projects; others would not. A local vote is our best chance for fair play in the siting of these wind projects.

Thank you for listening.

2.1

ALJ ST. JOHN: Thank you for your time.

Are there any questions for this witness from counsel or the Bench?

MS. PIRIK: Your Honor, I just --

ALJ SCHABO: No questions.

MS. PIRIK: I'm sorry, just have one clarification question.

Mr. Seaman, it's good to see you. I guess my one question is when you referenced that you are opposed to the project, are you talking about the transmission line project, or are you talking about the wind farm project which is a separate case?

MR. SEAMAN: I'm talking about both, but I also object to the transmission line project simply because that is so close to one of our farms in Oxford Township.

MS. PIRIK: Okay. Thank you.

ALJ ST. JOHN: All right. Seeing no more questions, thank you very much for your testimony.

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     You are excused.
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                 MR. SEAMAN: Thank you.
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                 ALJ ST. JOHN: Have a nice evening.
                 The next witness on our list tonight is
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     Patricia Didion.
                 MR. SCHMIDT: Ms. Didion, you've been
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               If you can enable your audio and video.
     promoted.
                 MS. DIDION: Okay. Can you see it?
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                 ALJ ST. JOHN: We can hear you, but we
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     cannot see you.
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                 MS. DIDION: Okay. Is it working now?
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                 ALJ ST. JOHN: Yes. We can see you.
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     Thank you.
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                 MS. DIDION: Okay.
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                 ALJ ST. JOHN: Before you begin, could I
     ask you to please raise your right hand.
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                 MS. DIDION: Sure.
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                 (Witness sworn.)
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                 ALJ ST. JOHN: Please state and spell
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     your name for the record.
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                 MS. DIDION: Okay. My name is Patricia
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     Didion, P-A-T-R-I-C-I-A D-I-D-I-O-N.
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                 ALJ ST. JOHN: Please provide your
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     address including the township.
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                 MS. DIDION: Okay. I reside at 4765
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Williams Road, that's Lyme Township, Bellevue, Ohio 44811.

2.1

ALJ ST. JOHN: Do you reside or work within the project area?

MS. DIDION: Yes. I live within the project area, the footprint.

ALJ ST. JOHN: All right. Thank you. Please proceed with your testimony.

MS. DIDION: Okay. Okay. My name is
Patricia Didion, and I reside at Williams Road in
Lyme Township, Bellevue, Ohio. I am in the Emerson
Creek wind farm footprint.

My husband and I built our home 52 years ago on land that's been in the family for many decades. Subsequently two other family members built their homes on the family land on Williams and Mead Road. My late husband and his two brothers farmed 950 acres in Sherman, Lyme, and Richfield Townships.

Little did we know when we built our home that we would be faced with this turbine issue today. We and many others did not sign a wind turbine lease and are strongly opposed to them for many reasons. We reside very close to the proposed collection substation and overhead transmission lines. Our family owns 140 acres located on Williams, Mead, and

Yingling Roads in direct view of the proposed collection substations, several transmission lines in the west and north, and industrial-sized 660 foot turbine 23 in the immediate adjacent field and turbine 22 to the north close to 113.

2.1

A great deal of -- oh, my gosh. Wait a minute. Okay. Excuse me. I thought that was turned off.

We reside very close to the proposed collection substation and overhead transmission lines. I think I said all this. Our family owns 140 acres located on Williams, Mead, and Yingling Roads in direct view of the proposed collection substation, several transmission lines in the west and north, and industrial-sized 660 foot tall turbine 23 in the immediate adjacent field and turbine 22 to the north close to Road 113. A great deal of our land has road frontage. Actually several, if not all, Emerson Creek 650 foot turbines located within 5 to 10 miles of our home will be visible.

We and many other people have been cast into an industrial zone on just about all sides of our properties. Note, please note, one cannot talk about the collection substation, the overhead and underground transmission lines, and the point of

intersect substation without referring to the 71 proposed 660 foot tall industrial-sized wind turbines being widely spread throughout our rural landscapes, our townships, and communities.

2.1

Landscape appeal has a lot to do with property value. Many rural residents cherish their unobstructed countryside views. Many, including me, want to look at the landscape and skies unimpeded by 660 feet tall turbines, collection stations, and overhead transmission lines.

Consequently, we are very concerned about our property value as are other non-leaseholders. In 2010 Appraiser Michael McCann as quoted in Paradise Destroyed testified to an Illinois Adams County Board about property devaluation due to wind farms. He concluded real estate sales data typically reveals a range of 25 percent to 40 percent of value loss with some instances of total loss as measured by abandonment and demolition of homes.

Many, many other studies also show property devaluation. However, few, if any, studies are available for 660 foot turbines which are those proposed for the Emerson Creek project. The turbine -- the turbine noise, infrasound, shadow flicker, seismic vibrations, water issues, wildlife

suppression, nighttime lighting, and potential for serious safety and real health risks decrease property appeal and value. People will not want to buy or build anything in an area that has all of these huge problems. They will move away. I asked my grandson if he would want to build on our property with a turbine nearby, and he said no, absolutely no. Many, many people will say no.

2.1

Then when we had the presence and issues of a collection substation, overhead H-frame transmission lines, linkage of underground lines with additional turbines, and the point of interconnect substation property values will decrease even further. The issues related to the substations and transmission lines include noise; electric and magnetic fields; interference with radio, T.V., internet, wifi, and microwave signals; potential for health risks, maybe cancer, leukemia; loss or disturbance of wildlife and their habitat; potential damage to existing gas lines, watersheds, and other environmental concerns.

The collection substation on Yingling
Road is near a natural gas line. Many other gas
lines exist in the proposed transmission line
project. Also the collection substation and a number

of overhead lines and turbines sit on the Ohio

Department of Natural Resources identified 2008

Groundwater Contribution Zone for Flooded Area.

Note, this was published in the Ohio Division of

Natural Resources Groundwater Induced Flooding in the

Bellevue, Ohio, Area Spring and Summer 2008 report

which was published in 2009.

2.1

In addition to the gas line and water issue, there is a deer crossing nearby. Thus, we will see there are many issues contributing to the loss of property value and appeal for the residents and owners.

Next, I would like to speak to the need for the Emerson Creek transmission line, and again, one cannot speak to that without reference to the Emerson Creek wind farm. There is not a need for this project. We are fortunate to have more than adequate long-term supply of electricity available to us in Huron and Erie Counties, Ohio, and many other states.

We know the wind energy is not reliable. According to an April 2020 report from the Office of Nuclear Energy located in Washington D.C., nuclear energy has been rolling up its sleeves for six decades now to provide constant, reliable,

carbon-free power to millions of Americans. The population density of Erie and Huron Counties is significant.

2.1

Why should we as community members suffer in so many ways to supply and sell expensive, unreliable, intermittent energy to others? This is a project benefiting those interested in tax credits and relying on governmental subsidies. Great humor in Paradise Destroyed reports, as we already know, the wind farm is not being built to harvest electricity or profit landowners but to harvest the Production Tax Credit and make their profit themselves.

So why then do we destroy agricultural, residential areas in our communities for projects like these? Do you know they are not making any more land anywhere? Why keep taking rural residential and agricultural land away and replacing it with massive turbines, collection substations, H-frame poles, and points of interconnect stations? Agricultural is one of Ohio's greatest industries.

In conclusion, we see there is much at stake including the loss of real estate and country landscape values, increased health and safety hazards, harmful soil and watershed effects, wildlife

and environmental impacts. Thus, I'm asking you to deny the Emerson Creek transmission line and the related Emerson Creek wind farm. Thank you for your time.

2.1

I do have one additional comment, if I may say that. I would like to state that these virtual meetings have seriously hindered the ability of our community to participate and communicate their concerns. If any further hearings are conducted, I suggest meetings are held with social distancing and use of masks and other precautions or propose postponing these meetings further until the virus has subsided. I believe if we had a public meeting, there would probably be a great deal of people present and would readily supply more testimony than what we are providing.

So I appreciate the fact the virus issues and everything else, but I think it needs to be on the record that this has seriously hindered our participation. And thank you for your time and your consideration. I appreciate it very much. Thank you.

ALJ ST. JOHN: Thank you for your testimony and comments.

Are there any questions for this witness

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     from counsel or the Bench?
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                 MS. PIRIK: No, your Honor.
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                 ALJ ST. JOHN: Thank you. Hearing none,
     we appreciate your testimony, and you are now
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 5
     excused. Have a nice evening.
                 The next witness on our list tonight is
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     Dennis Schreiner.
                 MR. SCHMIDT: Mr. Schreiner, you've been
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    promoted. If you can enable your audio and video.
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                 MR. SCHREINER: All right. Can you see
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    my video feed and hear me?
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                 ALJ ST. JOHN: Yes, we can. Thank you.
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                 MR. SCHNEIDER: Very good.
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                 ALJ ST. JOHN: Please raise your right
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    hand.
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                 (Witness sworn.)
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                 ALJ ST. JOHN: Please state and spell
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     your name for the record.
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                 MR. SCHREINER: My name is Dennis W.
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     Schreiner, D-E-N-N-I-S., middle initial W, last name
2.1
     S-C-H-R-E-I-N-E-R. My address is 8403 State Route
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     99, Sandusky, Ohio. I live in Groton Township, and I
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     am an abutting property owner to the Emerson Creek
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     industrial wind farm.
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                 ALJ ST. JOHN: Thank you. Do you reside
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or work within the project area?

2.1

MR. SCHREINER: Yes.

ALJ ST. JOHN: All right. Please proceed with your testimony.

MR. SCHREINER: Your Honors, Acting
Chairman Trombold, Mr. Butler, thank you for giving
me the opportunity to talk to you tonight.

My wife and I live on property abutting the proposed Emerson Creek wind project. The subject of this communication though tonight is primarily concerning the transmission line that's been identified as Case No. 19-1073-EL-BTX. My wife and I are in opposition to the transmission line because it is an integral part of the Emerson Creek industrial wind project.

These two projects are inextricably tied and not possible to have one exist without the other. The transmission line project, although at first flush appearing to be based on accepted engineering practices and adhering to PJM standards, allows the Emerson Creek wind project to be connected to the PJM grid.

We oppose building this project and the Emerson Creek transmission line. My primary opposition was presented in the Emerson Creek wind

farm adjudicatory hearing in pages and pages of testimony, cross-examination, and discovery that was submitted for this. I won't belabor you with that. That's all part of the record.

2.1

An interesting aspect is an Apex development manager for Republic wind project stated there is no testimony against the transmission line project at the local public hearing; therefore, we can conclude that this is -- no one has a problem with it. This public hearing was held virtually on January 7 of this year. This testimony should then let Apex know that there is some opposition to this project.

I believe that development manager's statement to be at best nonfactual because he absolutely knows that there is opposition to these projects because we've seen him at county commissioner meetings and he's well aware that we denied the pilot and that every turn in hearings we've had opposition.

And like Ms. Didion from -- has put up we would have hundreds of people show up to these meetings, but now that it's virtual, Mr. Seaman has to come and use my computer. A lot of us out here don't have high speed internet connections, but I'm

kind of like a technical guy, so I pay the extra money to get the higher speed feeds so we can use my house to coordinate some of this.

2.1

The opposition to this entire project has hundreds of letters in your case file. Those are handwritten letters by people that actually live in the project area or very close to the project area; whereas, the people that support the project are from Toledo, Cleveland, Columbus, and don't live in this area. They were all also computer-generated form letters that virtually there's four or five versions but that's what was there.

My testimony here is going to be talking about a little bit different aspect. We are often told by Apex that once this industrial wind complex is built, that the area electrical rates will be reduced because, you know, the wind is free. The cost of actually producing electricity has dropped significantly in the last decade. Think about that.

So why aren't we seeing reduced prices in our electricity bills? Well, Charles McDonald, former Assistant Secretary of Energy for the Obama Administration, answered this riddle in a timely article he posted February 1 of this year. So why does your electric bill keep going up when the cost

of producing electricity keeps going down? Well, since 2010, the price of natural gas has dropped 43 percent, and coal prices have dropped 11 percent. However, the price of electricity for residential users in the U.S. has risen 13 percent over that time.

2.1

How could this be? Because all the money that Americans should have saved, and we're talking about serious money right here, all went to subsidize renewable energy. Wind and solar, as it turns out, are much more expensive than the wind companies and the solar companies advertise.

Perhaps if this renewable energy is what has made our air cleaner or what has caused a dramatic reduction in CO-2 over the last decade, you might say maybe it was all worth it. But our air was already being dramatically cleaner long before wind and solar ever came on the scene and was identified as environmentally critical. Emissions of harmful pollutants have decreased 77 percent in the U.S. since 1970, and those reductions have absolutely nothing to do with wind and solar.

Later on you find out whenever you put a wind or solar farm in, you put combustion turbines or some kind of natural gas device to back them up 60

percent of the time that it doesn't really make that big a change. So it's almost entirely due to the switch from natural -- from coal to natural gas and then adding some nuclear power plants to our industry mix, though the nuclear aspect isn't that significant.

2.1

So if we are getting no cost savings from wind and solar and minimal benefits in terms of cleaner air or reductions in CO-2, so why are we so obsessed with it? Well, the question becomes even sharper if we take a look at your electric bill because it has three parts. One is called generation cost. Part 2 of it is called transmission cost. And part 3 is taxes and fees. The cost of generation and reliably maintaining electric -- electricity comprises about 50 percent of your power bill. And in order to keep the lights on, the demand for and the supply of electricity must be satisfied at all times.

Fossil fuel and electricity is somewhat inexpensive, and the fuel can be stored and sourced on-site. The electricity is there when you need it. In contrast wind and solar are based on the mood of mother nature and this is known as the great intermittency problem. Here is what it means in

practical terms because for every wind and solar farm you build, you need a fossil fuel facility somewhere nearby to supply electricity to meet demand. This is what filmmaker Michael Moore and his team found out much to their shock when researching green energy for their documentary Planet of the Humans.

2.1

All that wasted money is reflected in your electricity bill. Transmission costs, the cost to transmit electricity, is determined by the distance between the power source and the end users. This is one of the reasons fossil fuel and nuclear plants are ideally suited to power big, high dens—high density cities and industries. They require very little land, and they can be situated near or within population centers so that they need relatively few transmission lines.

The length of the transmission line also you lose power much as in an extension cord. If you have a real long cord, you know, the cord heats up, and you lose some of the power that you are trying to direct. But wind and solar resources require large tracts of land. For Emerson Creek it's 32,000 acres for 300 megawatts where you can do 900 megawatts on 150 acres if you would go with a more dense source.

land, and they are usually placed in remote locations. These longer transmission distances are less efficient than a shorter distance line. The remoteness associated with industrialized wind and solar requires expensive new infrastructure.

2.1

Texas, for one example, has already spent \$7 billion in new transmission lines to bring their distant wind power to cities in the east and south. Billions more will be required. Texans are already seeing those costs in their energy bills. But Texas is not unique. It's happening everywhere, and you see it in California too.

And then the last part is taxes and fees. Most taxes are plainly stated on your bill, state taxes, city taxes, county taxes, plus a bewildering assortment of fees. These are bad enough but what you don't see on your electric bill are the federal and in many places state taxes that you pay to subsidize wind and solar generation.

Federal subsidies alone for wind and solar total more than \$70 billion from 2010 to 2019. Most state governments take in their own incentives as does Ohio. The subsidies for wind and solar are in a class all by themselves and have been protected for decades. We are not incentivizing any new

technology, but we are artificially supporting an industrial that apparently cannot pay for itself in a level playing field. Take away the subsidies and very likely that industry will not exist.

2.1

So add it all up, generation costs, the transmission costs, the taxes, and the fees, and you're paying a lot more than you should. But maybe you can afford it. Or many can't. An electric bill is an aggressive expense meaning it takes up a lot bigger chunk of the budget of lower class and middle class families than it does an upper middle class family. Many poor families devote more than 10 percent of their income for food, rent, and transportation, to electricity while those further up the income scale only spend a few percent.

It's one of the reasons in Ohio we have to have subsidy laws, because of the rural poor. We have to subsidize their electric bills because electricity in Ohio is becoming expensive, and if you approve the Emerson Creek wind farm and the Emerson Creek transmission line, you will be adding to the woes of those people in our rural communities.

That is all I have to say unless you have some questions.

ALJ ST. JOHN: Thank you for your

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testimony.

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It looks like counsel might have dropped off, might be having some connectivity issues. In the meantime do we have any questions for this witness from the Bench?

ALJ SCHABO: No.

MS. PIRIK: Your Honor, can you hear me?

ALJ SCHABO: I was going to say can you

9 still hear us?

MS. PIRIK: I can -- I can still hear you. I mean, I just rebooted.

12 ALJ SCHABO: Okay. Great. Do you have any questions for Mr. Schreiner?

MS. PIRIK: Yes, I have one question for Mr. Schreiner.

Mr. Schreiner, it's good to see you tonight. My one question has to do with I know early on you said that you were within the footprint of the project area. I just want to be sure, are you talking about within the footprint of the transmission line project area, or are you referring to the wind farm?

MR. SCHNEIDER: In my introduction I stated that I was an abutting property owner for the Emerson Creek industrial wind complex.

1 MS. PIRIK: Correct. But my question is 2 are you located within the project area for the transmission line? 3 MR. SCHREINER: Since the transmission 4 5 line is needed for the project, I guess I would be. MS. PIRIK: Thank you, your Honor. 6 7 That's the only question that I had. ALJ ST. JOHN: 8 Thank you. 9 Thank you for your testimony. I'm not 10 seeing any other questions, so you're excused. 11 MR. SCHREINER: Thank you, your Honor. 12 ALJ ST. JOHN: The next witness on our 13 list tonight is Walt Poffenbaugh. 14 MR. SCHMIDT: Mr. Poffenbaugh, you've 15 been promoted. If you can enable your audio and your 16 video. 17 ALJ ST. JOHN: Mr. Poffenbaugh, we are 18 not able to see you at this time. Could you say 19 something and see if we might be connected via audio? 20 MR. POFFENBAUGH: Yes, I can see you. 2.1 am just clicking start video, but it doesn't seem to want to do it. Can you hear me? 22 23 ALJ ST. JOHN: We can hear you, yes. We 24 do allow testimony over the phone, and one of our 25 witnesses tonight plans to participate over the

phone, so if you would be comfortable proceeding without your video and just provide audio testimony, we can move forward in that way if you are okay with that.

2.1

Great. We can see you. It sounded like you cut out for a moment there, but we can see you now.

MR. POFFENBAUGH: Well, that's --

ALJ ST. JOHN: Mr. Poffenbaugh, it sounds like we are having some audio issues now. The audio that I am hearing is choppy. Could you -- it looks like your video is turned back off again. That might save some bandwidth and maybe allow your audio to come in a little bit clearer.

So if you are okay with that, let's proceed with just the audio and hope that that will make things a little bit more clear for all of us; is that all right?

MR. POFFENBAUGH: Okay. That's fine. I can leave the video off. Is the audio okay?

ALJ ST. JOHN: Yeah. The audio sounds much better. Thank you.

MR. POFFENBAUGH: Okay.

ALJ ST. JOHN: Even though --

MR. POFFENBAUGH: We will give it the

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best shot we can.
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ALJ ST. JOHN: Even though we can't see you right now, I would like to ask you to raise your right hand.

(Witness sworn.)

ALJ ST. JOHN: Please state and spell your name for the record.

MR. POFFENBAUGH: Mu name is Walter E. Poffenbaugh, W-A-L-T-E-R E P-O-F-F-E-N-B-A-U-G-H.

ALJ ST. JOHN: All right. Please provide your address including the township.

MR. POFFENBAUGH: We live at 5094 North
Greenfield Road, Willard, Ohio 44890. That is in
Norwich Township in Huron County.

ALJ ST. JOHN: Mr. Poffenbaugh, we're hearing you I would say maybe about 75 percent of the time, and occasionally it is cutting out. I'm wondering if we might be able to get clearer audio by having you call in. Would you be able and willing to do that?

MR. POFFENBAUGH: I can sure give it a try.

ALJ ST. JOHN: All right. Micah, would
you like to jump in now and possibly help
Mr. Poffenbaugh get connected over the phone?

1 MR. SCHMIDT: Mr. Poffenbaugh, are you 2 connected using a computer or a tablet? 3 MR. POFFENBAUGH: I'm using my laptop. MR. SCHMIDT: Okay. Do you have your 4 5 cell phone or another phone handy right there? 6 MR. POFFENBAUGH: I have my cell phone 7 right here. MR. SCHMIDT: Okay. If you could do me a 8 9 favor. Across the top of the Webex screen you'll see 10 a menu that says "File, Edit, Share, View," and then there is a tab that says "Audio & Video"? 11 12 MR. POFFENBAUGH: Right. 13 MR. SCHMIDT: If you click on "Audio & 14 Video," one of the options on that list that you will 15 see is "Switch Audio." 16 MR. POFFENBAUGH: Okay. 17 MR. SCHMIDT: If you click on "Switch 18 Audio," it will have a box where you can type in your 19 phone number, and then when you click the button that 20 says "Switch," Webex will actually call you. 2.1 MR. POFFENBAUGH: Done. Hello. 22 ALJ ST. JOHN: Could you turn off the 23 volume on your laptop? It sounds like we are getting 24 a bit of an echo, Mr. Poffenbaugh. 25 MR. POFFENBAUGH: Yes. I'm here.

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ALJ ST. JOHN: Okay. Great. Thank you.
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     It sounds like we might have just lost him.
                 MR. SCHMIDT: I think -- I think he
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     closed Webex on his -- on his laptop once he got
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     connected on the phone because he just dropped off.
                 ALJ ST. JOHN: I see.
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                 MR. SCHMIDT: Let me get with the crew
     here behind the scenes and we'll have somebody call
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           In the meantime we have the last witness,
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    Mr. Adams, is on the phone if you would like to
     proceed with Mr. Adams while we get ahold of
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    Mr. Poffenbaugh.
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                 ALJ ST. JOHN: That sounds great. Thank
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     you.
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                 MS. KOCHER: Your Honor, I have telephone
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     witness Mr. Adams on the phone.
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                 ALJ ST. JOHN: Thank you.
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                 Good evening, Mr. Adams.
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                 MR. ADAMS: I'm doing good.
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                 ALJ ST. JOHN: Good. I note that we are
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     just over the phone right now, but I would like to
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     ask you at this time to please raise your right hand.
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                 MR. ADAMS: Okay.
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                 (Witness sworn.)
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                 ALJ ST. JOHN: Please state and spell
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- 1 | your name for the record.
- 2 MR. ADAMS: My name is Douglas Adams,
- 3 D-O-U-G-L-A-S A-D-A-M-S.
- 4 ALJ ST. JOHN: Please provide your
- 5 | address including the township.
- 6 MR. ADAMS: Okay. Oxford Township, 3711
- 7 | Strecker Road, Monroeville, Ohio 44847.
- 8 ALJ ST. JOHN: And, I'm sorry, did you
- 9 include -- did you state the township as well that
- 10 | you live in?
- MR. ADAMS: Yes, Oxford Township.
- 12 ALJ ST. JOHN: Thank you. Do you reside
- 13 or work within the project area?
- MR. ADAMS: Yes, I am.
- 15 ALJ ST. JOHN: Do you reside in the
- 16 | project area, or do you work in the project area?
- MR. ADAMS: I reside. This is my
- 18 residential home.
- 19 ALJ ST. JOHN: Okay. Thank you. Please
- 20 proceed with your testimony.
- MR. ADAMS: Okay. I support the power
- 22 lines. The Company has worked very well and very
- 23 | close with me and they are working on my property and
- 24 | they've given me a lot of understanding of what
- 25 | they've been doing. And one thing that has really

impressed me with this Company is they have already sold their product before it is even made. So to me, I mean, that is something that is needed. If you can sell something you make before you can get it made, I mean, that's great to me. And, I mean, I don't have a lot to say, but they are just a good company to work with.

2.1

That's, you know, what I got.

ALJ ST. JOHN: All right. Thank you for your testimony. I do have one quick question for you. You had -- you had noted that the Company sells their product before they made it. Could you explain a little bit more what you mean when you say that?

MR. ADAMS: Yes. So they're -- they're making power, and they have had a company have -- already come to them to purchase the power that they are going to be making. And as soon as they get up and running, that power has already been bought -- or been spoken for by the Company that stepped up and wants to buy the power.

ALJ ST. JOHN: I understand. Thank you for that clarification.

Are there any other questions for this witness from counsel or the Bench?

MS. PIRIK: Your Honor, I just have one

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2 Mr. Adams, how close to the transmission 3 lines do you live?

MR. ADAMS: Actually the transmission line will be coming across the street and across my field. I have a small field, and they will be coming across my field. So I would say I am going to be living within 2, 3 hundred feet of them.

MS. PIRIK: Okay. Thank you, Mr. Adams. Thank you, your Honor.

MR. ADAMS: Bye.

ALJ ST. JOHN: Thank you for your testimony, Mr. Adams. Have a nice evening.

MR. ADAMS: All right. Thank you.

MR. BUTLER: Judges, this is Matt Butler and I have Mr. Poffenbaugh on the phone.

ALJ ST. JOHN: Great. Thank you.

18 Mr. Poffenbaugh, can you hear me right now?

MR. POFFENBAUGH: I can hear you just fine. Can you hear me?

21 ALJ ST. JOHN: We can hear you, yes.

Thank you. I know that I did already swear you in

when we spoke earlier, but just to close the loop

here, if you wouldn't mind if I go ahead and swear

25 you in just one more time now that we are connected

and have a really good audio connection. Please raise your right hand.

(Witness sworn.)

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ALJ ST. JOHN: Please state and spell your name for the record.

MR. POFFENBAUGH: Walter E. Poffenbaugh,

W-A-L-T-E-R E P-O-F-F-E-N-B-A-U-G-H.

ALJ ST. JOHN: Please provide your address including the township.

MR. POFFENBAUGH: 5094 North Greenfield Road, Willard, Ohio 44890, Norwich Township, Huron County.

ALJ ST. JOHN: Do you reside or work within the project area?

MR. POFFENBAUGH: I do.

ALJ ST. JOHN: Do you reside in the project area or work in the project area?

MR. POFFENBAUGH: We reside in the project area.

ALJ ST. JOHN: Thank you. Please proceed with your testimony.

MR. POFFENBAUGH: Thank you, your Honor.

23 My wife and I live in the footprint of and are

24 Intervenors of the Emerson Creek wind project

25 identified as Case No. 18-1607-EL-BTN in your files.

This case is currently under consideration by the Ohio Power Siting Board, or the OPSB. My testimony tonight is directed to the Emerson Creek transmission line identified as Case No. 19-1073-EL-BTX by your Board. We are opposed to the transmission line because it is part of the overall Emerson Creek project. It is impossible to separate the two projects because neither of them can show a public need without the other.

2.1

The transmission line is not needed, and it would be foley to build it without the wind turbine project connected to it. The wind turbine project makes no sense to build if it can't be connected to the PJM grid by the transmission line. The transmission line project, although appearing to be based on sound engineering and adhering to the standards of PJM, is by default connected to the Emerson Creek wind project.

We oppose Emerson Creek wind and as a natural extension oppose the Emerson Creek transmission lines. It is again logical to assume that other residents of the area feel the same and see the same nexus as we do between the two projects. The case this public hearing is centered on and the previous public hearing and adjudicatory hearing for

the Emerson Creek industrial wind project are all centered on the public need for both projects. We question this so-called public need.

2.1

On February 6, 2021, at 3:00 p.m., the total electricity being distributed by the 13 state PJM grid was 93,381 megawatts. At that time the temperature in the area of the Emerson Creek project was 19 degrees Fahrenheit, and the wind was from the south-southwest at 9 miles per hour. Of the 93,381 megawatts on the PJM grid on that date and at that time, 1,987 megawatts of power was being generated by wind. That is 2.1 percent of the total power on the grid at that time coming from wind.

The percent of total power generated by wind turbines remains close to that 3 -- 2 percent figure no matter what time of year you check or how many years back you go. We are of the opinion the main negative aspects of wind generation entered into the record during the Emerson Creek wind adjudicatory hearing which began on October 5, 2020, showed there is no public need for the wind project and by extension there is no public need for the transmission line.

In supplemental testimony filed

January 15, 2021, for the Republic transmission line,

which is Case No. 19-1066-EL-BTX, Dalton Carr, the development manager for the project with Apex Clean Energy, stated, and I quote, "There was no testimony against the transmission line project at the public hearing."

2.1

This public hearing was held virtually on January 7, 2021. This assertion by Mr. Carr can be found on page 2 of his submitted written supplemental testimony in lines 17 and 18 as part of the answer to question No. 8. Republic wind and the transmission line proposed to be connected to it are located in a neighboring county just west of where we live. The wind developer of four adjacent projects, Republic wind, Republic transmission line, Emerson Creek wind, and Emerson Creek transmission line is Apex Clean Energy.

Dalton Carr's statement can easily be construed to indicate there is no opposition to the public transmission line as no opposing testimony was presented at the public hearing for the transmission line. We believe Dalton Carr's statement to be disingenuous at the very least.

It seems likely to us that Apex Clean Energy will follow the same tactics with the OPSB Emerson Creek transmission line project as they

followed for the Republic transmission line project. We will probably see a future stipulation agreement between Apex and the OPSB Staff for the Emerson Creek transmission line.

2.1

The purpose of my testimony tonight is to go on the record in this proceeding to make sure the Ohio Power Siting Board knows there is definitely opposition to the Emerson Creek transmission line.

We do not wish the project manager for the Emerson Creek transmission line to proclaim after tonight that there was no local opposition voiced at this hearing for the Emerson Creek transmission line project.

My testimony is designed to bring the Board's attention to the fact there is resistance to both projects because the two projects are so closely tied together. Those opposed to the entire concept of the Emerson Creek industrial wind project collected over 700 petition signatures from local residents declaring their opposition. The petitions are all on file at the OPSB for Case 18-1607-EL-BGN.

During testimony before the Ohio Senate,

I was present when over 300 handwritten letters were
submitted to the committee advocating passage of
legislation which would give local citizens a vote in

approving or denying an industrial wind turbine project in the township. In fact, all of those heartfelt and written letters came from local residents actually living in the area of the Emerson Creek project.

2.1

The contrast between those letters and the form letters submitted in support of the project found in the public comments of your agency which were mostly written by people in large urban areas is striking. This statement by the Apex project manager that there is no local opposition stretches in perpetuity. We feel there are many local residents who oppose the Emerson Creek transmission line.

It is only natural that the two projects are closely tied together should cause anyone with any semblance of reason to understand that opposition to the project which generates the electricity would automatically mean those same people are opposed to the transmission line which connects the generating project to the grid. No amount of spin by the wind developer and its attorneys can overcome the logic of that argument. Local residents have let their voices be heard in a variety of ways over the past three years during public participation at many different forums involving all things associated with the

Emerson Creek industrial wind project. Any claim to the contrary is suspect at best.

We respectfully request the OPSB deny the certificate for the Emerson Creek transmission line.

Thank you for allowing me to voice my thoughts on this matter.

7 ALJ ST. JOHN: Thank you for your 8 testimony.

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Are there any questions for this witness from counsel or the Bench?

MS. PIRIK: Yes, your Honor, I have one question.

Mr. Poffenbaugh, could you please estimate approximately how many miles from the transmission line is your property located?

MR. POFFENBAUGH: I would estimate I'm 7 miles from probably the transmission line at the outside, but again, the connection between the two projects can't be denied.

MS. PIRIK: Thank you, Mr. Poffenbaugh.

Thank you, your Honor. That's all.

ALJ ST. JOHN: All right. Seeing no more questions, I want to thank you for your testimony tonight. Have a nice evening.

MR. POFFENBAUGH: Thank you.

ALJ ST. JOHN: This concludes the statements from those individuals who registered to provide testimony this evening. The Board appreciates your participation in this public hearing. I would like to thank all those who provided testimony or joined us for this public hearing whether via Webex, over the phone, or the YouTube live stream.

With that this concludes today's public hearing. Enjoy the rest of your evening. We are adjourned.

(Thereupon, at 7:10 p.m., the hearing was adjourned.)

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CERTIFICATE I do hereby certify that the foregoing is a true and correct transcript of the proceedings taken by me in this matter on Tuesday, February 9, 2021, and carefully compared with my original stenographic notes. Karen Sue Gibson, Registered Merit Reporter. (KSG-7036)

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

2/17/2021 10:42:42 AM

in

Case No(s). 19-1073-EL-BTX

Summary: Transcript February 9, 2021

In the Matter of the Application of Firelands Wind, LLC, for a Certificate of Environmental Compatibility and Public Need to Construct a Transmission Line in Huron and Erie Counties, Ohio. electronically filed by Mr. Ken Spencer on behalf of Armstrong & Okey, Inc. and Gibson, Karen Sue Mrs.