

In The Matter of:  
Icebreaker Windpower Project

Transcript of Proceedings

November 08, 2017

Deposition

1 OHIO POWER SITING BOARD PUBLIC HEARING

2 IN THE MATTER OF THE APPLICATION OF

3 ICEBREAKER WINDPOWER, INC.

4 CASE NUMBER 16-1871-EL-BGN

5 - - - -

6  
7 WEDNESDAY, NOVEMBER 8, 2017

8  
9 - - - -

10 Transcription of the proceedings of the Ohio  
11 Power Siting Board public meeting taken before  
12 me, the undersigned, Sandra L. Rice, a Notary  
13 Public within and for the State of Ohio, taken at  
14 the Cleveland City Hall City Counsel Chambers,  
15 601 Lakeside Avenue, Cleveland, Ohio, commencing  
16 at 6:00 p.m., the day and date above set forth.

17  
18  
19 - - - -

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1 PUCO EXAMINERS:

2 Nicholas J. Walstra, Esq.  
3 Megan Addison, Esq.  
4 Ohio Public Utilities Commission  
5 180 East Broad Street  
6 Columbus, Ohio 43215  
7 (614)466-0659  
8 Nicholas.Walstra@puco.ohio.gov,  
9 Megan.Addison@puco.ohio.gov,

10 On behalf of the Ohio Public Utilities  
11 Commission.

12 IN ATTENDANCE:

13 Christine M. T. Pirik, Esq. (Of counsel)  
14 Terrence O'Donnell, Esq.  
15 Will Vorys, Esq.  
16 Dickinson Wright, PLLC  
17 150 East Gay Street - Suite 2400  
18 Columbus, Ohio 43215  
19 (614) 591-5461  
20 Cpirik@dickinsonwright.com,

21 On behalf of Icebreaker Windpower, Inc;

22 Miranda Leppla, Esq.  
23 Ohio Environmental Council  
24 1145 Chesapeake Avenue  
25 Suite 1  
Columbus, Ohio 43212  
(614) 487-5825  
MLeppla@theOEC.org,

On behalf of the Ohio Environmental Council  
and the Sierra Club.

ALSO PRESENT:

Beth Nagusky  
Matt Butler  
Grant Zeto  
Stuart Siegfried  
Jill Kocher

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P-R-O-C-E-E-D-I-N-G-S

MR. WALSTRA: Thank you, everyone,  
for coming out. The Ohio Power Siting  
Board has assigned for public hearing at  
this time and place Case Number  
16-1871-EL-BGN which is captioned In the  
Matter of the Application of Icebreaker  
Windpower, Inc., for a Certificate to  
Construct a Wind-Powered Electric  
Generation Facility in Cuyahoga County,  
Ohio.

My name is Nicholas Walstra and  
with me is Megan Addison and we are the  
administrative law judges assigned by the  
Ohio Power Siting Board to preside over  
this local hearing. Also with me today is  
Matt Butler, Grant Zeto, and Stuart  
Siegfried from the Ohio Power Siting Board  
staff. Additionally, we have Jill Kocher  
from our Public Affairs Department present  
today. They will be available if you have  
any questions regarding the application or  
other general questions you may have  
regarding the Ohio Power Siting Board.  
Please feel free to approach us at the

1 completion of this evening's hearing. At  
2 this time I'm going to take formal  
3 appearances on behalf of the parties in  
4 this particular case. On behalf of the  
5 applicant?

6 MS. PIRIK: On behalf of  
7 Icebreaker Windpower, Inc., the law firm of  
8 Dickinson Wright by Christine Pirik,  
9 Terrence O'Donnell and Will Vorys. 150  
10 East State Street, Columbus, Ohio 43215.

11 MR. WALSTRA: Are there any other  
12 parties that wish to make a formal  
13 appearance at this time?

14 MS. LEPPLA: Thank you, your  
15 honor. Miranda Leppla on behalf of the  
16 Ohio Environmental Council and Sierra Club.  
17 1145 Chesapeake Avenue, Suite I, Columbus,  
18 Ohio 43212.

19 MR. WALSTRA: Thank you. The  
20 subject matter of this evening's public  
21 hearing is the application filed on  
22 February 1, 2017 and as supplemented on  
23 March 13th, 2017 to construct a  
24 wind-powered electric generation facility  
25 in Cuyahoga County, Ohio. This public

1 hearing is only one aspect of the process  
2 for this case. I would note that the  
3 adjudicatory hearing for this proceeding  
4 will be scheduled by entry sometime in the  
5 future and will take place at the offices  
6 of Ohio Power Siting Board which is in  
7 Columbus, Ohio. If you would like to view  
8 the entry scheduling the hearing after it  
9 has been issued you will be able to do so  
10 on the board's docketing website.

11 In this case, the Applicant,  
12 Icebreaker Wind, is requesting to construct  
13 six wind turbine generators each with a  
14 nameplate capacity rating of 3.45 megawatts  
15 for a total generating capacity of 20.7  
16 megawatts in addition to submerged electric  
17 collection cables and a substation.

18 Icebreaker Wind states that the facility is  
19 expected to operate for approximately 8,200  
20 hours annually and generate approximately  
21 75,000 megawatt hours of electricity each  
22 year. The facility is the first proposed  
23 freshwater offshore wind farm in North  
24 America. Applicant anticipates  
25 construction to begin in May 2018 and

1 completed by October 2018 provided that the  
2 board approves its application. The  
3 purpose of this evening's public hearing is  
4 to receive comments from the public  
5 regarding Icebreaker Wind's application in  
6 this case. It is not intended to be a  
7 question and answer session, but instead  
8 it's your opportunity to let the Ohio Power  
9 Siting Board know what you think about the  
10 proposal set forth in the application.

11 I would also note the board will  
12 be filing a staff report in this proceeding  
13 and it should be viewed simply as their  
14 recommendation and does not necessarily  
15 reflect what the board's final  
16 determination will be in this case.

17 Tonight's hearing is being  
18 transcribed by a court reporter. If you  
19 plan to testify please speak clearly so  
20 that the court reporter can accurately  
21 reflect your comments on the record. Also  
22 if you have a prepared written statement it  
23 would be helpful to provide a copy of that  
24 to the court reporter as well.

25 When you arrived you were offered



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1 the opportunity to sign up to testify by  
2 our staff. After I finish I will begin  
3 calling witnesses forward in the order that  
4 they have signed up on the sign-up sheet.  
5 Before you present your testimony I will  
6 swear you in and also ask you to state your  
7 name and address. Your testimony will be  
8 considered part of the official record in  
9 this case and it will be reviewed by the  
10 board before they make their final decision  
11 on the application. Additionally, the  
12 parties to the case and I will be permitted  
13 to ask you questions about your statement.  
14 Should you decide that you do not want to  
15 testify when I call your name you can  
16 merely pass to the next witness. Also once  
17 you finish testifying or if you are just  
18 here to observe you may leave at any time  
19 you wish or stay until the conclusion of  
20 the hearing.

21 The board appreciates your  
22 participation in tonight's hearing. This  
23 is a key part of the process and the board  
24 does take into account what is said here  
25 today. Additionally, we want everyone who

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1 wishes to make a public statement to have  
2 the opportunity to do so, so please be  
3 considerate of others waiting to give their  
4 testimony and keep your statements to a  
5 reasonable period of time. You may submit  
6 written comments either by mail or on the  
7 board's website under this case number  
8 which is 16-1871.

9 At this time I will begin calling  
10 witnesses forward. I do want to apologize  
11 now if I mispronounce your name, which I  
12 have a feeling will be inevitable. We'll  
13 start with John B. Kiddo, Junior.

14 MR. KIDDO: Good evening. My name  
15 is John B. Kiddo, Junior. 1225 Arrowhead  
16 Drive S.W., Dellroy, Ohio.

17 - - - -

18 JOHN B. KIDDO, JR., of lawful age, being  
19 first duly sworn, testified upon his oath as  
20 follows:

21 STATEMENT BY JOHN B. KIDDO, JR.:

22 I would like to start by thanking  
23 the Ohio Power Siting Board for giving me a  
24 few minutes on their very busy schedule to  
25 strongly endorse the Icebreaker Wind Energy

1 Project and approval of the certificate  
2 that the environmental compatibility and  
3 public need. I'm a professional engineer  
4 in Ohio and have worked in the power and  
5 environmental industry for 40 years  
6 including the last 20 on renewable energy  
7 projects around the world, the most recent  
8 being in Palm Beach Renewable Energy Center  
9 in Florida which started up in 2015. I'm  
10 also a naturalist certificate holder.

11 This project offers the  
12 opportunity for Ohio to be a leader in the  
13 first offshore wind energy project in the  
14 Great Lakes and can demonstrate the ability  
15 of this technology to provide long-term  
16 renewable power to the state of Ohio while  
17 having minimal impacts on the environment.

18 I have been watching this project for the  
19 past seven years. LEEDCo and its partners  
20 have done an outstanding job in  
21 continuously evolving the design to  
22 demonstrate the practicality and cost  
23 effectiveness of this technology and its  
24 key resource. The team has also gone to  
25 great lengths to study the impact of the

1 project on the environment including  
2 protecting fish, bats, fisheries and  
3 shoreline visibility. These studies  
4 clearly show that the project poses minimal  
5 risk to the environment. This project will  
6 also help springboard Ohio into a  
7 competitive position in this growing  
8 technology and industry area along with  
9 jobs it will provide.

10 Now, having worked on renewable  
11 energy projects for 20 years and being a  
12 naturalist certificate holder I recognize  
13 that all power projects, all power projects  
14 in any way, shape, or form you have to  
15 balance the benefits versus the  
16 environmental impacts. In this case the  
17 major benefits of renewable energy far  
18 exceed the minimal environmental impacts of  
19 this project and it's difficult to imagine  
20 a better way to generate electricity,  
21 electrical power, that we all need.

22 In closing, I strongly endorse and  
23 support the Icebreaker Wind Energy Project  
24 and the approval of the certificate of  
25 environmental compatibility at the public

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1 meeting and I would like to thank you for  
2 your time this evening.

3 MR. WALSTRA: Thank you. David  
4 McCall?

5 MR. MCCALL: My name is David  
6 McCall. My address is 777 Dearborn Park  
7 Lane in Columbus, Ohio 43085.

8 MR. WALSTRA: Thank you.

9 - - - -

10 DAVID MCCALL, of lawful age, being first duly  
11 sworn, testified upon his oath as follows:

12 STATEMENT BY DAVID MCCALL:

13 I'm a District-1 director of the  
14 United Steelworkers which includes the  
15 State of Ohio. United Steelworkers is  
16 North America's largest industrial union.  
17 We're privileged to represent over 1.2  
18 million members and retirees in the United  
19 States, Canada, and the Caribbean and about  
20 50,000 active members here in Ohio. We  
21 proudly represent men and women who work in  
22 nearly every industry. We have members who  
23 slurry and smelt aluminum, mine for iron  
24 ore and salt. We create cement, make  
25 glass, steel, titanium, and other metals

1 and we produce paper and paper products.

2 We are also nurses and nurses' aides,  
3 rubber workers who make tires. We produce  
4 many of the materials that go into  
5 buildings, homes, automobiles, planes, and  
6 roads. Our members serve people at banks  
7 and teach at universities. You'll find us  
8 in oil refineries, grocery stores, utility  
9 companies and in chemical plants. We work  
10 in the public sector and in forestry. We  
11 also drive taxi cabs and work in airports.  
12 We're security guards, electricians,  
13 pharmaceutical workers and also craft  
14 energy-saving wind turbines. Many of our  
15 members are also community leaders. They  
16 may be members of your church, coach your  
17 children or grandchildren in their little  
18 league or soccer teams. They are probably  
19 your neighbors and they are responsible  
20 citizens of our society.

21 Over three decades ago our union  
22 developed an environment policy entitled  
23 "Our Children's World," a policy that was  
24 rooted in our effort to raise an alert of  
25 the need to protect the environment. And

1 over a decade ago the USW joined with the  
2 Sierra Club to form the BlueGreen Alliance  
3 because USW members continued to believe  
4 Americans deserve both a clean environment  
5 and good jobs and that those two issues are  
6 not mutually exclusive. The USW believes  
7 Americans must have both clean environment  
8 and good jobs or in the end they'll have  
9 neither. The BGA which now includes more  
10 than a dozen unions and environmental  
11 groups has corroborated with industry  
12 leaders to find solutions to climate change  
13 in ways that create high-quality jobs.  
14 Obviously the USW supports job creation and  
15 the union believes that clean air and clean  
16 water provides important work and  
17 meaningful jobs. For example, engineers  
18 design smokestack scrubbers, skilled  
19 mechanics construct them and still other  
20 workers to install them. Additional  
21 workers install insulation and solar  
22 panels. Untold thousands labor to make the  
23 steel and other parts for wind turbine  
24 blades, towers and bases, still others  
25 fabricate the structures and erect them. A

1 typical wind turbine includes 250 tons of  
2 steel, three tons of copper, 250 yards of  
3 concrete, titanium components for rotating  
4 hubs, gears and gear boxes and bearings and  
5 many more other components that  
6 steelworkers make.

7 The USW believes that the clean  
8 energy economy will lead the global economy  
9 and that is why I am here to provide  
10 testimony and support for the Icebreaker  
11 project, a six turbine, 20.7 megawatt  
12 offshore wind demonstration project located  
13 off the shore of Lake Erie in Cleveland.

14 Icebreaker is intended to identify  
15 and solve the unique challenges of  
16 deploying wind turbines in freshwater  
17 environment. With a design of six turbines  
18 positioned seven miles off the coast of  
19 Cleveland Icebreaker will become the  
20 lighthouse for an offshore wind industry  
21 here in Ohio and the Great Lakes region.

22 This will be the first offshore wind  
23 project in freshwater in all of North  
24 America. It will provide enough  
25 electricity for 7,000 homes and utilize an



1 innovative Mono Bucket base as a suction  
2 bucket to reduce environmental impacts and  
3 costs. Clean energy manufacturing is  
4 similar in many ways to traditional  
5 manufacturing and many existing companies  
6 are already making the component parts  
7 needed for clean energy systems. It is a  
8 crucial opportunity for the existing  
9 workforce and manufacturing base to supply  
10 new demand for their products. This  
11 project would also create great jobs,  
12 produce clean power and redirect money back  
13 to Ohio. It is exactly the kind of  
14 innovation we should promote. We can build  
15 and bolster an industry and supply chain in  
16 Northeast Ohio that will potentially create  
17 thousands of new, good-paying jobs and  
18 sustain many tens of thousands in our  
19 current jobs. By taking advantage of this  
20 opportunity it will provide the prospect of  
21 infusing billions of dollars into our  
22 community and our economy in the very  
23 foreseeable future. The economic benefits  
24 and job creation associated with this  
25 project should be coming to Ohio now. We

1       should take advantage of the reality of  
2       both permanent and indirect job creation  
3       whenever possible. These are the kinds of  
4       permanent renewable energy investments will  
5       allow Ohio to be a leader in this  
6       technology and will return benefits in both  
7       the environment and the economy. I'm told  
8       the U.S. Department of Energy released its  
9       draft environmental assessment for the  
10      Icebreaker in mid August. The draft  
11      concludes that the project poses no  
12      significant environmental impacts, and that  
13      most, if any, negative impacts are  
14      negligible, minor, and in short term. This  
15      region has a strong legacy of heavy  
16      manufacturing, fabrication, energy,  
17      engineering and maritime activities, all of  
18      which are needed to build an offshore wind  
19      industry from start to finish. I urge you  
20      to take into account the positive impact of  
21      the Icebreaker Wind Project. For the  
22      union's part we will continue to engage  
23      with the Icebreaker team and other  
24      organizations that share our vision and our  
25      values to invest in climate solutions that

1 create and sustain jobs, achieve energy  
2 independence and leave a better planet and  
3 strong economic legacy for future  
4 generations. Thank you for the  
5 opportunity.

6 MR. WALSTRA: Thank you. Next up  
7 is Ronn Richard.

8 MR. RICHARD: Good evening. I'm  
9 Ronn Richard. I'm president and CEO of the  
10 Cleveland Foundation and I'm also chairman  
11 of LEEDCo.

12 MR. WALSTRA: Thank you.

13 - - - -

14 RONN RICHARD, of lawful age, being first duly  
15 sworn, testified upon his oath as follows:

16 STATEMENT BY RONN RICHARD:

17 Thank you. I thought it might be  
18 helpful, you honors, and members of the  
19 Ohio Power Siting Board, if I gave you,  
20 since I was here since the creation of this  
21 project, a little bit of background. I was  
22 lucky enough to be hired for almost 15  
23 years ago, 14-and-a-half years ago, as  
24 president of the Cleveland Foundation and  
25 when I was hired my board asked me, they

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1 told me they had hired me because I had  
2 such a strong background in economic  
3 development. I had been president of  
4 Panasonic, some informational products  
5 company and a managing partner of the  
6 Central Intelligence Agency's venture  
7 capital company called In-Q-Tel, and so I  
8 got the job because they wanted someone to  
9 help with economic development and I really  
10 hope people understand that when I got here  
11 14-and-a-half years ago Euclid Avenue was  
12 almost completely boarded up from Public  
13 Square all the way down to Playhouse  
14 Square, and the Plain Dealer was running a  
15 series called the Quiet Crisis which each  
16 and every day talked about all the job  
17 loss, all the companies that had left.  
18 Cleveland was really downhill at that time  
19 and so the Cleveland Foundation jumped into  
20 action. You know, we give out about 95  
21 million dollars a year just in the City of  
22 Cleveland. We're the biggest foundation in  
23 Ohio and one of the biggest in the country,  
24 and we put like 90 million dollars into  
25 starting binary products at Nortech, but my

1 board asked me to analyze what happened to  
2 Cleveland. We used to be one of the  
3 greatest cities in the country. You look  
4 at Severance Hall. You look at this port,  
5 you know, how is it that these services  
6 come here? Because we were very wealthy,  
7 you know, in the '20s and '30s, and etc.,  
8 and what happened, we did an analysis, was  
9 that Cleveland completely missed the IT  
10 revolution, the first three waves of it.  
11 Silicon Valley got a lot of it, Austin,  
12 Boston, Research Triangle Park in North  
13 Carolina. We completely missed it, and  
14 what I said to my board as we started this  
15 project which was over 10 years ago was  
16 "What are the industries of the future? We  
17 can't afford to miss them." And the answer  
18 was biotech, trying to get in the IT game  
19 as much as we could so that we funded Jump  
20 Start, and advanced energy is the industry  
21 of the future. So we did a lot of studies.  
22 We put 1.7 million dollars into this  
23 project since we started it 10 years ago.  
24 We were there for the ultimate construct  
25 and paid for the wind turbine in front of

1 the Science Center so people could get used  
2 to seeing what a wind turbine looks like.  
3 We helped fund the bird studies, the bat  
4 studies, and we know that this, so I just  
5 want to talk economically, this project is  
6 going to be 500 union jobs and probably  
7 8,000 jobs in the future if we do  
8 additional projects at some time in the  
9 future. Environmentally, Lake Erie is our  
10 drinking water source and if Lake Erie was  
11 in Arizona and we wanted to buy it and move  
12 it here what would you pay for it? Well,  
13 if you just did a simple calculation of  
14 number of gallons times what I pay for a  
15 gallon at my house - a trillion dollars,  
16 right? We have a great asset but every day  
17 that we don't use advanced energy we're  
18 putting mercury into our drinking water  
19 source that pregnant women drink from, so  
20 this is about the environment but it's also  
21 about jobs. It's also about an industry  
22 and it's about being on the wave of the  
23 future and not having that wave wash over  
24 us. I think it's imperative that Cleveland  
25 go from being a place by the lake where the

1 river caught on fire to Cleveland powered  
2 by wind. And just recently, I will finish  
3 by saying, just recently we are vying to  
4 get Amazon.com's second headquarters.  
5 50,000 jobs. And we're vying against  
6 Seattle and Toronto and all these cool  
7 high-tech places that attract a lot of  
8 young people, so this is also about the  
9 image of Cleveland, what is our image going  
10 to be, and young people want to live in a  
11 place that cares about advanced energy and  
12 the environment. So for all these reasons,  
13 the image of Cleveland, our jobs, our tax  
14 base, and our environment, the Cleveland  
15 Foundation, I say on behalf of my entire  
16 staff and board, we enthusiastically  
17 support this and we think it's vital for  
18 Cleveland's future to be able to attract an  
19 Amazon and the next companies we'll try to  
20 attract in the future. Thank you very  
21 much.

22 MR. WALSTRA: Ivan Henderson?

23 MR. HENDERSON: Good evening. I'm  
24 Ivan Henderson. Commissioner of Cleveland  
25 Public Power and I'm here to support the

1 project.

2 - - - -

3 IVAN HENDERSON, of lawful age, being first  
4 duly sworn, testified upon his oath as follows:

5 STATEMENT BY IVAN HENDERSON:

6 There are basically three reasons  
7 in Cleveland to support the project.

8 Icebreaker is revolutionary for the  
9 following reasons we strongly support it.

10 First, I want to recap Cleveland's ongoing  
11 support for the project. Second, discuss  
12 Cleveland's commitment to diversifying  
13 CPP's portfolio, and thirdly, I'll discuss  
14 the economic development, CPP's our power  
15 plant creations. Under Mayor Frank  
16 Jackson's leadership Cleveland was one of  
17 the first to support the development of the  
18 Offshore Wind Project. Mayor Jackson asked  
19 me to meet with the Cleveland Foundation to  
20 give an opinion on the viability of the  
21 project. Since that time the Department of  
22 Public Utilities, CPP, and the city's  
23 Office of Sustainability have long  
24 championed the project. We worked with  
25 LEEDCo throughout the early design stages



1 and committed to bring the power to shore  
2 through the CPP substation next to the  
3 Lake. We worked with LEEDCo to secure the  
4 DOE grant and the city was first to sign  
5 the Public Power Agreement. We have  
6 supported the city's legislative process  
7 which lead to legislation authorizing the  
8 Interconnect Agreement that allows  
9 Cleveland Public Power to deliver the power  
10 to the grid, and the city has helped bring  
11 other entities and partners to sign up for  
12 the power.

13 The second reason is is the city  
14 is committed to diversifying CPP's  
15 portfolio. In 2008 the city adopted a  
16 resolution requiring CPP to diversify its  
17 power supply portfolio and to adapt to  
18 Advanced Renewable Energy Portfolio  
19 Standards. Among other things the city  
20 standards required CPP to reduce its  
21 dependence on fossil fuel use in its power  
22 supply mix. The standards require  
23 diversifying the portfolio reaching a goal  
24 of 15 percent renewable energy by 2015, 20  
25 percent renewable energy by 2020, and 25

1 percent renewable energy by 2025. Today we  
2 are at about 17 percent and we see the  
3 Icebreaker project we also help us achieve  
4 our goal for 2020.

5 The final reason I would like to  
6 make why we're in support of this project,  
7 is the economic development that follows  
8 power plant creation and power plant  
9 development. CPP has interest in several  
10 power plants including the construction of  
11 recently built coal, natural gas, and the  
12 run of the river hydro facilities, and  
13 we're very pleased with what the creation  
14 and development of the first freshwater  
15 facility here can render. We have seen  
16 billion dollar projects built from scratch,  
17 whether in the middle of what was once a  
18 corn field in Illinois or new hydro  
19 facilities being built on the banks of the  
20 Ohio River in Southern Ohio, West Virginia  
21 and Kentucky. We have seen them built from  
22 scratch. So we know firsthand the impact  
23 these multi-million and billion dollar  
24 projects have on the surrounding  
25 communities. We see the jobs that follow

1 the project from the construction to  
2 ongoing operation and maintenance on these  
3 facilities. Today where there was once a  
4 corn field or an empty river bank we see a  
5 thriving business, employer, taxpayer and  
6 an electric generator that provides  
7 reliable power throughout the state and  
8 region. We know the economic development  
9 that follows power plant construction. We  
10 know the benefits that flow to the  
11 surrounding communities that support these  
12 projects. So we ask ourselves why not  
13 Cleveland? How can we do that in  
14 Cleveland? We're going to buy the power  
15 anyway and we know the jobs will follow the  
16 power. In this instance the Icebreaker  
17 Project is the key. Offshore Wind tech  
18 development can be an economic engine not  
19 just in the city of Cleveland but for the  
20 whole region, and Icebreaker brings those  
21 benefits home to Cleveland and to our  
22 region. Thank you.

23 MR. WALSTRA: Thank you. Larry  
24 Viterna?

25 MR. VITERNA: My name is Larry

1 Viterna. I'm here to support the project  
2 as well.

3 MR. WALSTRA: Could you give your  
4 address, please?

5 MR. VITERNA: Sure. 4630  
6 Edgewater Drive, Vermilion, Ohio.

7 - - - -

8 LARRY VITERNA, of lawful age, being first  
9 duly sworn, testified upon his oath as follows:

10 STATEMENT BY LARRY VITERNA:

11 Thank you for this opportunity to  
12 speak to you today at the Ohio Power Siting  
13 Board. As background, upon graduating from  
14 engineering school in Michigan I was hired  
15 by NASA in '77 to help develop technology  
16 and prototypes for large wind turbines. At  
17 the NASA research center here in Ohio we  
18 designed, built, and tested a 125 foot  
19 diameter wind turbine located in Sandusky  
20 that was the largest operating wind turbine  
21 in the United States at that time. Working  
22 with industry and U.S. Department of Energy  
23 that effort went on to develop the world's  
24 first wind turbines to produce  
25 multi-megawatt power levels. For example,

1 the first 2 megawatt and 4 megawatt wind  
2 turbines. Needless to say for this cutting  
3 edge program we had to assess and resolve a  
4 number of technical challenges, much like  
5 LEECo is doing here, including  
6 synchronization and transients to both  
7 stiff and soft electrical grids as well as  
8 hardware failure management. There were  
9 also concerns for interaction with  
10 wildlife, birds and insects, noise to  
11 communities and reducing the cost of wind  
12 energy of commercial systems. Over the  
13 past 30 years efforts by the U.S.  
14 Department Of Energy as well as other  
15 government and industry groups from around  
16 the world have addressed these challenges  
17 and have made land-based wind energy a  
18 great success. Data from the U.S. Energy  
19 information Administration shows that for  
20 2015 over 8,000 megawatts capacity of wind  
21 turbines installed in the U.S. that year  
22 lead the nation for newly power plant  
23 capacity were put on the grid in the U.S.  
24 and that led the nation. New natural gas  
25 power plants were a little under 6,000

1 megawatts were second followed by solar.

2 According to the American Wind Energy  
3 Association the U.S. invested nearly 15  
4 billion in 2015 for new land-based wind  
5 projects supporting more than 88,000 jobs.

6 As big a success as land-based wind energy  
7 has been, offshore wind turbines offer even  
8 greater potential due to the higher wind  
9 speeds particularly within a reasonably  
10 distance of population centers. Thus, I  
11 believe that capturing the vast energy  
12 source of offshore wind is the next great  
13 opportunity and one that LEEDCo and Ohio  
14 seem well positioned for. There are valid  
15 interests and concerns of many stakeholders  
16 for the Icebreaker Offshore Wind Project,  
17 but with proper planning, engineering and  
18 coordination with stakeholders, the project  
19 could make Ohio a leader again in wind  
20 energy and associated commercial products  
21 and services. I should state for the  
22 record that although I was on the original  
23 Great Lakes Energy Task Force that led to  
24 the creation of LEEDCo, I have actually  
25 never been funded by either entity. I'm

1 just a very strong advocate in technology.

2 I have, however, reviewed a number of  
3 studies in support of LEEDCo's efforts and  
4 based on my prior work on the NASA/DOE  
5 large wind turbine projects, I believe that  
6 they have prepared well and are ready to  
7 move forward with this project. I would  
8 strongly recommend that the Ohio Power  
9 Siting Board approve the Icebreaker  
10 Project. Thank you.

11 MR. WALSTRA: Thank you. John  
12 Yingling?

13 MR. YINGLING: My name is John  
14 Yingling. I live at 3769 East Surrey Court  
15 in Rocky River 44116.

16 - - - -

17 JOHN YINGLING, of lawful age, being first  
18 duly sworn, testified upon his oath as follows:

19 STATEMENT BY JOHN YINGLING:

20 To the Ohio Power Siting Board,  
21 Nick Walstra and Megan Addison, thank you  
22 for this opportunity to speak. Cleveland  
23 in its heyday was considered a center of  
24 manufacturing. These days are behind us  
25 now but we now have an opportunity to take

1 the lead in wind energy generation. LEEDCo  
2 and Project Icebreaker can develop and show  
3 the energy path for the next generation.

4 As a zero-carbon footprint wind energy will  
5 become the bridge technology in the future.

6 They are alternative options but few of  
7 them are as good and as clean as wind  
8 energy. There may be legitimate  
9 considerations to the project but visual  
10 objection to the turbine should not be one  
11 of them. I question some of the pictures I  
12 have seen from the opposition as being  
13 inaccurate, misleading, and false. You  
14 might have seen those posters, this is the  
15 one of children sitting on a beach with a  
16 wind turbine looming above them. This is a  
17 great photo-shopped masterpiece.

18 Look, I suspect few people would  
19 object if you couldn't see these wind  
20 turbines, but that's not possible. To the  
21 naysayers concerned about the view you need  
22 to understand the facts. The wind turbines  
23 will be 272 feet tall. They will be  
24 8-and-a-half to 10 miles off shore.  
25 Standing at Lakewood -- at Edgewater Park's



1 shoreline the turbines will be so far off  
2 the shore that the base of the turbines  
3 will not be seen due to the curvature of  
4 the earth. So when you do the math the  
5 object angle of the height of the turbine  
6 will be 0.35 degrees so that might be hard  
7 for people to imagine but let's look at it  
8 another way. To demonstrate, if you took a  
9 No.2 pencil and you held it at arm's length  
10 from your eye the little eraser tip would  
11 totally obscure the turbine. Looking at it  
12 another way, your eye has an optical  
13 viewing area so about 120 degrees  
14 vertically by 135 degrees horizontal, which  
15 is to say that each turbine will obstruct  
16 less than 8/10,000th's of one percent to  
17 your total vision. That's not a lot even  
18 with six turbines. The point is that the  
19 turbines will be visible but barely. A  
20 point of interest, most Clevelanders are  
21 not even aware of the orange structure  
22 measuring 100 feet wide by 50 feet just  
23 four miles offshore. This is the city's  
24 water intake called the Crib. As  
25 comparison, each turbine will be painted

1 white to blend into the horizon, be smaller  
2 in total area and at a distance twice that  
3 of the Crib. We all need electricity and  
4 the demand for energy is growing. Wind  
5 power is a very attractive alternate to the  
6 old and obsolete technology of fossil fuel.  
7 It has taken years to remove the coal fired  
8 generation plant at East 67th Street.  
9 Let's replace it with something clean.  
10 Auto companies like Ford, GM, Volvo,  
11 Nissan, Tesla, to name a few, have all seen  
12 the value of clean energy transportation.  
13 Now we need to create clean energy  
14 generation. I believe this is an exciting  
15 time for the development of wind energy in  
16 Ohio. Let's keep Cleveland in the  
17 leader -- as the leader of wind turbine  
18 wind energy. To the staff of the OPSB I  
19 urge you and the leaders of Ohio and our  
20 nation to approve the Icebreaker Project  
21 and allow Ohio to shine again in the  
22 development of energy alternatives. Thank  
23 you for your time.

24 MR. WALSTRA: Dennis Meaney?

25 MR. MEANEY: Dennis Meaney. 79

1 East 202 Street, Euclid, Ohio.

2 - - - -

3 DENNIS MEANEY, of lawful age, being first  
4 duly sworn, testified upon his oath as follows:

5 STATEMENT BY DENNIS MEANEY:

6 I am a 39-year member of the  
7 International Brotherhood of Electrical  
8 Workers. That's the Cleveland  
9 electricians' union here. I'm a journeyman  
10 electrician. I currently serve as the  
11 business manager of the Cleveland local.  
12 As a leader of our local union I'm here  
13 tonight to speak for our 3,000 members and  
14 their families. I'm going to ask our  
15 members that are here tonight to stand and  
16 rise with me in support. Thank you.

17 Please remain standing. I want to  
18 note that good-looking group up against the  
19 wall over there, keep your hands up, those  
20 are our guys, too, and there are some other  
21 building trades here I think that might be  
22 standing in support. I would ask the rest  
23 of the members of the building trades to  
24 stand up also.

25 We do have a meeting tonight at

1       our union hall that we have to go back to  
2       shortly but we thought it was very  
3       important to come over here and speak in  
4       support of this first before we do that.

5               We perform all facets of  
6       electrical work from low voltage fire alarm  
7       systems to high voltage displacement. We  
8       have wired all the wind turbines along the  
9       lakeshore that you see, from the Great  
10      Lakes Science Museum to Lincoln Electric  
11      and the two at South Point that's on top  
12      there out there in Euclid. We're glad  
13      about those. We think it's time to put  
14      these turbines into the Lake Erie and this  
15      is why. We think that this pioneer project  
16      of being the first wind turbines in  
17      freshwater to take off and not only supply  
18      Ohio with paying construction jobs to build  
19      these turbine substations but it can also  
20      lead to these wind turbines being made  
21      here. If that happens this would provide  
22      more construction jobs to build these  
23      facilities and good paying jobs for  
24      manufacturing jobs in Northeast Ohio also.  
25      Northeast Ohio can lead to new industry.

1 Not too many years ago our membership and  
2 all the other construction trades out here  
3 that you see had hundreds of people working  
4 at LTV Steel and Brookpark Ford and Waite  
5 Hill Ford and that wasn't even -- the  
6 numbers total in thousands of construction  
7 work in the Cleveland building trades.  
8 Keep in mind, those numbers don't even  
9 include the people who worked at those  
10 places. Now a shopping mall, Steelyard  
11 Commons, sits at the site of the west bank  
12 of LTV Steel, no operation. Brookpark Ford  
13 is less than half the size it used to be  
14 and we spent the last year dismantling  
15 Walton Hills Ford out there. So these  
16 construction jobs or manufacturing jobs are  
17 gone. We need to bring them back.  
18 Currently there's much too much dependence  
19 on Europe supplying wind turbines to the  
20 United States. We need to make these  
21 turbines here to prevent bottleneck supply  
22 and chains from coming over from across the  
23 Atlantic and to promote competition and to  
24 bring these jobs to Northeast Ohio. We  
25 have a trained workforce, journeymen

1 electricians and trained technicians here  
2 in Cleveland and we currently have another  
3 212 apprentices attending our electrical  
4 training center that we own right here in  
5 Cuyahoga County. And those people will be  
6 skilled tradesmen when they finish their  
7 apprenticeships in a few years. The IBEW  
8 also has a wind turbine training center in  
9 Toledo that our members can attend and  
10 train on wind turbine construction and  
11 maintenance and many of our members have  
12 attended those courses.

13 Icebreaker can help make Northeast  
14 Ohio the epicenter of offshore wind  
15 development creating thousands of job,  
16 construction of wind farms means  
17 manufacturing, engineering, operations and  
18 maintenance jobs. We are here and we're  
19 ready to build this new industry and we  
20 believe that the time is now. We're ready.  
21 Thank you.

22 MR. WALSTRA: Carl Scheutzow?

23 - - - -

24 MR. SCHEUTZOW: So I'm Carl  
25 Scheutzow. I live at 2853 Franklin Drive,

1 Medina, Ohio, and I'm here to testify in  
2 full support of this project.

3 - - - -

4 CARL SCHEUTZOW, of lawful age, being first  
5 duly sworn, testified upon his oath as follows:

6 STATEMENT BY CARL SCHEUTZOW:

7 I was born here in Cleveland, Ohio  
8 about 62 years ago. I'm a proud graduate  
9 of the Cleveland Public School System. I  
10 spent six years in the US Navy which I'm  
11 very proud of and when my hair was a little  
12 darker there used to be a saying here in  
13 Cleveland that said this is the best  
14 location in the nation, and the reason for  
15 that saying was our industrial base, our  
16 manufacturing base, and through years of  
17 moving those industries offshore Ohio and  
18 the State of Ohio has suffered greatly in  
19 the loss of jobs. In recent years with  
20 some very good leadership we have been able  
21 to turn that around. We have large numbers  
22 of people wanting to move into downtown  
23 Cleveland. We have national companies.  
24 We're in the process of building an Amazon  
25 fulfillment center here now. We have

1 another facility pending and hopefully  
2 we'll be able to entice Amazon to build  
3 their headquarters building here. We have  
4 an extremely good transportation system  
5 here. We have a very productive workforce,  
6 and I now have a rather unique task, I'm an  
7 instructor for IBEW Local 38's  
8 Apprenticeship Program so I work with young  
9 men and women every day, and part of my job  
10 is to not only provide technical knowledge  
11 to these people so that they can maintain  
12 employment to provide for their families  
13 but a foundational principle of our  
14 organization is to provide an ever  
15 increasing standard of living to our  
16 people. One of our goals is if you work  
17 hard good things will come to you. Another  
18 part of my job is to provide hope and  
19 provide opportunity for these people to  
20 keep themselves gainfully employed to  
21 provide for their families to have a better  
22 standard of living. Right now we have a  
23 lot of momentum going here in the Cleveland  
24 area. The board has the unique ability to  
25 continue that momentum and I would



1 encourage you to approve this project and  
2 to move forward with the City of Cleveland,  
3 and I'll leave you with one last comment:  
4 The renewable energy industry in this area  
5 has the potential to create large numbers  
6 of not only manufacturing jobs, industrial  
7 jobs, but give these young people hope for  
8 their future. Thank you very much. I  
9 appreciate the time.

10 MR. WALSTRA: Thank you. Pat  
11 Hersch?

12 MS. HERSCH: Pat Hersch. 535  
13 Hilltop Road, Erie, Pennsylvania.

14 - - - -

15 PAT HERSCH, of lawful age, being first duly  
16 sworn, testified upon her oath as follows:

17 COMMENTS BY PAT HERSCH:

18 MS. HERSCH: Good evening. My  
19 name is Pat Hersch and I have been  
20 following the issue of wind turbines in  
21 Lake Erie for some time now. A project of  
22 this magnitude requires much public  
23 information and participation in the  
24 development process. The Icebreaker  
25 Windpower Memorandum says in fact:

1 Icebreaker strongly believes in public  
2 participation and has gone to great lengths  
3 over the past decade to inform the public  
4 of the project and answer all questions  
5 about the project from its very inception.  
6 I find this to be totally untrue. The  
7 Icebreaker LEEDCo project has been fraught  
8 with lies, misinformation, omissions, and  
9 smoke and mirrors from the very beginning.  
10 I was particularly disturbed last week when  
11 I read Icebreaker's memorandum Contra to  
12 Petition to Intervene by three Cuyahoga  
13 County residents which contained vicious  
14 personal attacks on their personal lives  
15 contending that they do not have a right to  
16 speak against the project because they do  
17 not live directly on the shore from the  
18 Icebreaker installation. Shame on the  
19 legal framers of this document. I am from  
20 Erie, Pennsylvania and I have every right  
21 to speak against the Icebreaker project  
22 because my drinking water and that of 11  
23 million people comes from Lake Erie. The  
24 installation of wind turbines on the lake  
25 floor would stir up now dormant layers of

1 toxic substances from shipping lanes and  
2 industrial runoffs from the past. These  
3 toxins are covered by layers of sediment  
4 and are safe if not disturbed. Icebreakers  
5 proposed monohull turbine design, as yet  
6 untested in any body of water anywhere, and  
7 the attendant cable trenching would ensure  
8 constant agitation of these toxic  
9 settlements. I did attend one of the LEEDCo  
10 informational meetings in Cleveland which  
11 turned out to be a question-and-answer  
12 session, again fraught with misinformation.  
13 When I asked Mr. Wagner about the ability  
14 of wind turbines to produce electricity  
15 when it was needed he told me that  
16 Icebreaker was not about producing energy,  
17 it was about determining if Cleveland could  
18 become a manufacturing hub for turbine  
19 parts. After scratching my head I asked  
20 him what happens to turbines in Lake Erie  
21 when their predicted useful life of 17  
22 years was over, and he informed in me that  
23 the 200-foot blades were recyclable. Not  
24 true. They cannot be melted or burned  
25 without releasing huge amounts of poisonous

1 gas into the atmosphere. A picket fence  
2 for Jack and the Beanstalk? No. Lake Erie  
3 will sadly be burdened with millions of  
4 tons of eco-junk that will never be removed  
5 until the end of the world. Transparency  
6 is a foreign concept to the Icebreaker's  
7 legal team. Why can't I find answers to  
8 these questions:

9 How much did Fred Olsen Renewables  
10 pay LEEDCo for the Icebreaker Project?  
11 When was the Icebreaker Project officially  
12 sold? Who is the specific recipient,  
13 person, people, or corporation of the sale  
14 monies? What specifically were the LEEDCo  
15 Icebreaker assets that Fred Olsen  
16 Renewables bought?

17 I cannot find a website for  
18 Icebreaker Windpower anymore. Do you have  
19 a website address for this company? Does  
20 LEEDCo still exist today and who leads  
21 LEEDCo today? In whose pocket is the 10.7  
22 million dollars already granted by the U.S.  
23 Department of Energy? What are the  
24 milestones that Icebreaker has to meet to  
25 be granted the additional 50.7 million of

1 taxpayer funded grant awards?

2 Transparency? Why has Icebreaker  
3 requested that 1,500 pages of project plans  
4 and specifications be ruled confidential  
5 and not for public perusal? If they truly  
6 believe wind turbines are beneficiary to  
7 the community you would think they would be  
8 proud to show local residents what they  
9 intend to build. Of course, if they don't  
10 really believe that then they would be more  
11 likely to keep the information out of the  
12 public eye as long as possible but if we  
13 are going to have an intelligent and  
14 informed discussion then this information  
15 must be available for everyone to see.

16 Icebreaker's Contra to Petition to  
17 Intervene includes photo-shopped pictures  
18 of the horizon line of the lake with  
19 turbines appearing as little nubs. They  
20 don't tell you that turbine blades will be  
21 covered with flashing red lights that will  
22 detract from the peaceful view of the night  
23 sky that we have always known. I crewed on  
24 a 50-foot racing sailboat for several years  
25 and I know that a lot goes on in the middle

1 of Lake Erie during the night. Huge  
2 freighters criss-cross all night long  
3 necessitating foghorns on the turbines  
4 whose blasts which will be audible to  
5 anyone on shore since sound is amplified  
6 many times over water. You don't have to  
7 be a genius to figure out that turbines are  
8 worthless when it comes to maintaining an  
9 electrical grid that has to respond  
10 instantaneously to energy needs. When I  
11 turn on the lights I do not want to wait  
12 until the wind blows at just the right  
13 speed to perk up wind turbines. Turbines  
14 have a capacity value of zero. Their wind  
15 production is spotty, unreliable,  
16 unmanageable, and unstorable. They have to  
17 be backed up 100 percent 100 percent of the  
18 time by tradition power plants. Would you  
19 schedule your open-heart surgery at an  
20 all-wind hospital? I am dismayed at the  
21 looming possibility of LEEDCo's Icebreaker  
22 Project taking place in Lake Erie. I have  
23 spent my entire life within three miles of  
24 Lake Erie and I cannot imagine why it is  
25 being offered up to destruction at the

1 hands of subsidy-sucking wind swindlers.

2 Let Don Quixote and Sancho Panza joust at  
3 Icebreaker windmills in perpetuity. That  
4 is all they are good for.

5 MR. WALSTRA: Tom Wasilewski?  
6 Whenever you're ready. State your name and  
7 address.

8 MR. WASILEWSKI: Tom Wasilewski.  
9 5600 Sherrod Hill Road, Edinboro,  
10 Pennsylvania.

11 - - - -

12 TOM WASILEWSKI, of lawful age, being first  
13 duly sworn, testified upon his oath as follows:

14 STATEMENT BY TOM WASILEWSKI:

15 I'm changing my focus here a  
16 little. I heard Mr. Ronny (sic) -- I'm not  
17 sure what his name is, with the Cleveland  
18 Foundation, his talk about the great number  
19 of jobs that are going to come to Cleveland  
20 and how he was involved from the very  
21 beginning. It's very interesting that the  
22 Cleveland Foundation gave a  
23 one-million-dollar grant to LEEDCo and Mr.  
24 Ronny (sic), the president of the Cleveland  
25 Foundation, and then he became the chairman

1 of the board of LEEDCo, there seems to be a  
2 conflict of interest in that one-million  
3 dollars went from the Cleveland Foundation  
4 to LEEDCo. What's happening now no one  
5 knows as to the status because it looks  
6 like LEEDCo sold the project to this  
7 Norwegian company, Fred Olsen, and Mr.  
8 Wagner who is president of LEEDCo is  
9 becoming the president of Icebreaker  
10 Windpower which is now a private  
11 corporation, and what's going to happen to  
12 the 50-million-dollar federal grant award?  
13 How can a private foundation, a private  
14 company, get that money and what is the  
15 relationship with Mr. Wagner in this  
16 situation? I have gone to a number of  
17 meetings in Cleveland and he said that they  
18 were going to transfer the project over  
19 after it's built, so there needs to be an  
20 explanation on this arrangement and how  
21 this Norwegian company is going to becoming  
22 the owner of the project. I want to say  
23 that I have been -- I grew up in Erie, PA.  
24 I'm a fisherman. I enjoy the beaches. I  
25 went out boating a little bit and I



1 especially enjoy the visual sight of seeing  
2 Lake Erie unbroken by wind turbines and  
3 other development. It's important for  
4 people's psyche to go and see that. I  
5 don't know, Cleveland's a different place.  
6 I used to live here and work here and I  
7 know people don't respect water, Lake Erie,  
8 as much as people in Erie or Sandusky or  
9 Toledo. So it's -- I'm going to jump  
10 around a lot because some points were  
11 covered by Pat Hersch, but when it comes to  
12 Lake Erie the water is so precious. As Mr.  
13 Ronny (sic) said, it's our greatest asset  
14 here for people who live in the Lake Erie  
15 region. Why do they want to put thousands  
16 and thousands of wind turbines in the lake?  
17 As you hear, it may be 10,000, I don't  
18 know. They're talking some big numbers but  
19 it doesn't make any sense because it's  
20 going to stir up so much pollution from the  
21 cables going from one turbine to another  
22 and the cables going into the Lakeshore.

23 I want to say that as to this  
24 Norwegian company, they don't seem to be  
25 answerable to anything from the public.

1 It's a demonstration project that is  
2 receiving 50 million dollars from the  
3 Department of Energy. Now, there were  
4 several other demonstration projects that  
5 were selected before LEEDCo was. One of  
6 them was a New Jersey state project called  
7 The Fisherman's Energy which is mostly a  
8 Chinese company that owned that project.  
9 They put "fisherman" on there to get, I  
10 think, some sympathy, but in New Jersey the  
11 Board of Public Utilities twice shot down  
12 that project because they said it was too  
13 costly for electric ratepayers and then the  
14 same state's Supreme Court affirmed that  
15 decision of the Board of Public Utilities.

16 Also there was another  
17 demonstration project in Brownsville. This  
18 is a Department of Energy project, and the  
19 people in Brownsville, Texas I talked to a  
20 lady down there, they were totally against  
21 this project because of how it would affect  
22 the fishing industry and the forest. So  
23 that project went down and it was based on  
24 the people in that area voting against it.  
25 I just want to say that Lake Erie is one of

1 the greatest freshwater fish species in the  
2 world. It needs to be kept free from wind  
3 turbines which will cause pollution from  
4 the stirred-up toxins that have been buried  
5 for 100 years, and wind turbines are never  
6 necessary, and what I want to say, there is  
7 no need for the wind turbines in Lake Erie  
8 and they don't meet the environmental  
9 compatibility that the Ohio Power Siting  
10 Board wants or has to meet themselves. I  
11 want to say that I have looked at some of  
12 the combined cycle gas electric generating  
13 projects in Ohio and Oregon has a project  
14 that is before the Ohio Power Siting Board  
15 now. It's 955 megawatt and I think it's  
16 going to be 90 percent efficient which  
17 LEEDCo is 41 percent but they have no  
18 support for that. And this Oregon project  
19 is going to put 853 billion dollars into  
20 the construction. They're going to have an  
21 annual activity -- they're going to produce  
22 annually 30.2 million dollars to the  
23 economy annually. They're going to create  
24 19 to 22 jobs for that project and there's  
25 going to be 16.2 million dollars in state

1 and local tax revenue every year. That's  
2 pretty good. I don't think LEEDCo is going  
3 to do much of anything. And if we need  
4 more power we can build more of these gas  
5 generators right here in Cleveland if we  
6 need power. Another thing is that the  
7 LEEDCo application -- if you're going to  
8 cut me off let me know. I have a few  
9 things to cover here. The LEEDCo  
10 application, there are 1,600 pages that  
11 were marked confidential and why is that, I  
12 don't know. They are getting public money.  
13 They should be straight-forward and tell  
14 the public what they're doing. If this is  
15 a demonstration project they should show  
16 those pages. In addition, the safety  
17 manual for Vestas, the turbine  
18 manufacturer, and Fred Olsen were listed as  
19 confidential. The wind speed data which  
20 the public should see, how they're -- that  
21 was marked confidential. The technical  
22 specs, the specifications for the Vestas  
23 wind turbine were also marked as  
24 confidential and we need to see those  
25 because they are claiming how efficient

1 these turbines are, how they will hold up  
2 in the weather conditions and I want to  
3 know, actually I want to know how much oil  
4 do these things have? There are turbines  
5 that go from 200 to 1,000 gallons and if  
6 there's a leak where's that oil going to  
7 go? Into the lake? If a turbine gets  
8 struck by lightning what's going to happen  
9 then? This is a common occurrence  
10 throughout the world, and, you know, we're  
11 going to get pollutants coming in from the  
12 blades and the soil going into the lake, so  
13 they need to disclose this information.

14 The data should be available for the public  
15 to review. LEEDCo claims 41 percent  
16 efficient, that's the capacity, but they  
17 apparently have no support for that. It  
18 could be 25 percent, it could be 25 percent  
19 or less.

20 Now LEEDCo claims they conducted  
21 480 interstate grant funding, at least 10.1  
22 million dollars so far that we know about,  
23 and they have an additional 40 million of  
24 federal grant award that they have to meet  
25 milestones on. I, like I said, I went to

1 some of these meetings. They are so  
2 one-sided that you couldn't get another  
3 word in there. They had their propaganda  
4 going, and if you had a question maybe  
5 you're lucky to get it in at the end of the  
6 program, and their facts were off but there  
7 was no way to challenge it. What's needed  
8 is the Ohio Power Siting Board should  
9 create a fund for onshore and offshore wind  
10 development that would let the residents in  
11 the area have some funding to fight these  
12 big guys. The big guys, I'm talking about  
13 Ivan Droba who is huge is Ohio, Atex (sic).  
14 A little town cannot fight, and even in  
15 this case here we want to protect Lake Erie  
16 but we can't come up with 10 million  
17 dollars to do a public program here.

18 And I looked at these power pledge  
19 cards because I was out here at the  
20 Cleveland Convention Center and I talked to  
21 a few people that were talking to a LEEDCo  
22 affiliate and they had the cards and they  
23 were going to sign them. It had no dollar  
24 amount on them as what the pledge was. And  
25 LEEDCo kept saying that it was \$12.25.

1 That's what the people were pledging.

2 That's additional electricity costs for  
3 renewable energy that people were signing  
4 up for so it was a fraud I thought. In  
5 fact they were saying that I signed a  
6 pledge card which I didn't.

7 There's important information.

8 There was a meeting on 8/22/13 here and  
9 LEEDCo sent out a handout that showed  
10 further development in the wind turbine  
11 project. These are future projects that  
12 they thought they would get running and in  
13 the handout it said 6.5 billion dollars was  
14 going to be the cost of a 1500 megawatt.  
15 That's 3 megawatt turbines at the time.  
16 They were Siemens wind turbines. That is  
17 500 wind turbines and the cost would be 6.5  
18 billion dollars. Now, who will pay for  
19 that - the electricity users probably and  
20 the taxpayers, the federal or state. Huge  
21 number. Unnecessary.

22 In Germany residential customers  
23 are paying 35 to 40 cents per kilowatt hour  
24 and Germany is one of the leaders in wind  
25 turbine development and in fact they are

1 closing a plant where they going to have 25  
2 percent reduction in employees there.  
3 That's Siemens. They formed a joint  
4 company. So wind turbines on the world  
5 scale are in big trouble, and across the  
6 lake Siemens closed a 300-employee wind  
7 plant that was producing blades, so, and  
8 then they closed another one in Iowa. So  
9 things aren't going that great for wind  
10 turbines.

11 Now, the important thing that came  
12 out yesterday was the U.S. Fish and  
13 Wildlife report that was entered on the  
14 Ohio Power Siting Board website. Now, the  
15 report's dated 10/4/17, it's 83 pages, and  
16 it was very important because it indicated  
17 radar studies showed huge numbers of birds  
18 cross Lake Erie at Cleveland. This was a  
19 new study that the U.S. Fish and Wildlife  
20 Service did. They previously did two other  
21 studies for birds along Lake Erie and for  
22 Lake Ontario. They did several acoustic  
23 studies for bats. As to the, the U.S. Fish  
24 and Wildlife Service said that there should  
25 be an environmental impact statements done



1 for this project. An environment  
2 assessment is not sufficient. Now, DOE  
3 prepared that draft to EA. They did not  
4 allow any public comments to be seen or  
5 organizational comments. That is totally  
6 different from the Ohio Power Siting Board  
7 which you have to compliment them on  
8 because they are reviewing this  
9 information. The comments were given by  
10 people and organizations. I asked a DOE  
11 gentleman why they do that. He said that  
12 is their policy. They want to protect  
13 people. But other agencies in the  
14 government release that information and you  
15 can see the comments. There's something  
16 wrong there. And DOE has a conflict of  
17 interest. They shouldn't be doing the  
18 environment assessment because they are  
19 also giving out money to LEEDCo. And I  
20 think it's the same for the Office of  
21 Energy Efficiency and Renewable Energy.  
22 And, I'm getting to the end, the visual  
23 impact is really something based on what  
24 I've heard here. At Lakewood, the center  
25 there, I asked the gentleman there if he

1 had a chart, he was one of the consultants,  
2 actually for the DOE but he worked for  
3 LEEDCo also. The turbines there were  
4 apparently 7.1 -- one turbine would be 7.1  
5 miles from the center there and that could  
6 be seen. What I want to say is that these  
7 turbines, I did a -- there is a study by  
8 Robert Sullivan. He did the offshore wind  
9 turbine visibility and visual impact  
10 threshold distances study, him plus a few  
11 other employees for the Argonne National  
12 Lab which is part of the Department of  
13 Energy. Now, I'm not going to read what it  
14 said, I think they sent it to the Ohio  
15 Power Siting Board so people can see these  
16 articles on the Power Siting Board website.  
17 The result, I'm going into the part of the  
18 conclusion: Results show that small to  
19 moderately-sized facilities, the wind  
20 project they looked at were about 400 feet  
21 high or less. The LEEDCo wind turbines are  
22 478 feet high and we're looking to the top  
23 of the turbine blade. The results show  
24 that the small to moderately-sized  
25 facilities were visible to the unaided eye

1 at distances greater than 26 miles with  
2 turbine blade movement visible up to 24  
3 miles. They have kilometers here, but I'm  
4 cutting that out. At night aerial hazard  
5 navigation lighting was visible at  
6 distances greater than 24 miles. The  
7 observed wind facilities were judged to be  
8 a major focus of visual attention at  
9 distances up to 10 miles and were  
10 noticeable to casual observers at distances  
11 of almost 18 miles and were visible with  
12 extended or concentrated viewing distances  
13 beyond 25 miles.

14 Okay. There are definitely going  
15 to be seen, LEEDCo turbines, at 7.1 miles  
16 to 10 miles, and again that's the study by  
17 Robert Sullivan at the Argonne National  
18 Lab. They looked at turbines in 2011 that  
19 were off the coast of the United Kingdom  
20 and, like I said, most of those turbines  
21 were around 400 feet or less.

22 Now the other thing is in addition  
23 to what the U.S. Fish and Wildlife Service  
24 has come up with which is pretty dramatic  
25 on these radar studies, and I have talked

1 with Dr. Petrie who used to be with the  
2 Long Point Water Power Association in Long  
3 Point, Canada just across Lake Erie. He  
4 said, he was commenting on a proposed wind  
5 project over near Point Pelee and he said,  
6 he reviewed their short study, that based  
7 on the methodological deficiencies and  
8 annual and seasonal variations wanted for  
9 migration. I suggest that three years of  
10 spring, fall, and winter pre-construction  
11 money for these area surveys are necessary.

12 This should include --

13 CROWD PARTICIPANTS: Come on.

14 Other people have comments.

15 MR. WALSTRA: If you could wrap  
16 up.

17 MR. WASILEWSKI: This should  
18 include one area of survey per week and  
19 once every one day and intense radar  
20 surveys every spring and fall. LEEDCo is  
21 only doing a fall study which is only every  
22 few weeks in the wintertime. Thanks for  
23 bearing with me.

24 MR. WALSTRA: Thank you. We  
25 appreciate it.

1 MS. ADDISON: Ken Ripich?

2 MR. RIPICH: Ken Ripich. 12314

3 Elmwood Avenue in Cleveland.

4 - - - -

5 KEN RIPICH, of lawful age, being first duly

6 sworn, testified upon his oath as follows:

7 STATEMENT BY KEN RIPICH:

8 I represent AT & F. We're a  
9 fourth generation small business here in  
10 Cleveland. AT& F is a premier provider of  
11 custom steel solutions to national and  
12 international heavy industrial  
13 manufacturing companies. AT & F,  
14 headquartered in Cleveland, was founded in  
15 1940 and throughout our 77-year history  
16 have provided engineering and manufacturing  
17 support for several wind power programs  
18 around the world. The Icebreaker Wind  
19 project provides unique opportunities for  
20 our company which leverage our large and  
21 heavy fabricating capabilities. This  
22 project will add many jobs to our existing  
23 220 team member base and create jobs with  
24 other local and state-wide businesses  
25 awarded with subcontracting and purchasing

1 agreements. AT & F is partnered with  
2 Cleveland based Great Lakes Shipyard, on  
3 operating division of Great Lakes Towing  
4 Company, to support the Icebreaker Wind  
5 Project. Together we have developed a plan  
6 to fabricate and transport the massive  
7 foundations to the port of Cleveland. The  
8 opportunities for our teams are not limited  
9 to the foundation construction. The  
10 placement of the turbines in Lake Erie  
11 brings unique challenges. These challenges  
12 are calling for innovative solutions which  
13 can be further developed and deployed on a  
14 national level resulting in lasting  
15 economic development for the region.

16 The offshore wind industry, like  
17 most major construction industries, is  
18 reliant upon a proven core of prime  
19 contractors and dependable subcontractors.  
20 Project Icebreaker offers companies like  
21 ours the opportunity to position themselves  
22 as a critical partner of the supply chain  
23 from the onset. As other offshore wind  
24 opportunities develop nationally this will  
25 provide us and others in the region with a

1 competitive advantage as we quickly become  
2 subject matter experts with these highly  
3 engineered components. Ultimately, Project  
4 Icebreaker with its unique location off the  
5 shores of Lake Erie will create the  
6 potential for a new and robust industrial  
7 network here in Cleveland and beyond. We  
8 believe this highly innovative industry  
9 requires the engineering expertise and  
10 heavy fabricating talents and experience  
11 offered by AT & F and our strategic  
12 partners in the region. Thank you for your  
13 time.

14 MS. ADDISON: Adam Minadeo?

15 MR. MINADEO: 15 Hillside Drive,  
16 Greenville, South Carolina.

17 - - - -

18 ADAM MINADEO, of lawful age, being first  
19 duly sworn, testified upon his oath as follows:

20 STATEMENT BY ADAM MINADEO:

21 I was born and raised here in  
22 Cleveland. Even though I live in  
23 Greenville I thought it was that important  
24 that I wanted to come and speak for this  
25 program. And, by the way, I inspected the

1 water while I was here in Cleveland and, to  
2 be honest with you, the only reason why I  
3 left Cleveland was to go work in wind  
4 power. I really believe in it and I  
5 thought it was a way to bring jobs back to  
6 the U.S., that we don't have to dig our  
7 power source out of the earth or burn  
8 anything. There are many multiple reasons  
9 that it's a good thing but in general I  
10 just believe in it. And what I realized  
11 when I was there is that wind power is mass  
12 producing powers plants. It's like going  
13 back to Detroit 100 years ago and saying to  
14 Mr. Ford, "Hey, we don't want your  
15 automobiles." That would be like skipping  
16 out on this program. I think that mass  
17 producing and the jobs we incorporate with  
18 that is just the first step. You have to  
19 also think of the auxiliary industries that  
20 pop up, just like the automobile  
21 industries, roads, mechanics, gas,  
22 everything that is incorporated with that  
23 that further gets magnified into the jobs  
24 that would be present here in Ohio. So I  
25 think that this program although I hope it



1 happens, this is the first step because  
2 just like anything else it can go on.  
3 There's no reason why we shouldn't be next.  
4 Ohio is already behind. We only represent  
5 four percent of the wind energy and that's  
6 2,000 permanent jobs which is a good start  
7 but Texas is 23,000 permanent jobs from the  
8 wind energy sector in their state alone.  
9 So I would recommend that we continue to  
10 push and the demand is only going to  
11 improve, and while the main argument is  
12 that wind turbines don't make power when  
13 the wind doesn't blow is correct but the  
14 wind is always blowing somewhere and we're  
15 not asking for it to only be a wind power  
16 generation. We're asking for it to be a  
17 small percentage and a small percentage,  
18 like in Texas 12 percent brings in 23,000  
19 jobs. I also would like to bring up the  
20 fact that Cleveland should take its place  
21 as it should lead Ohio. It should be the  
22 example. The first wind turbine that  
23 created power in the world was built less  
24 than two miles from where we're standing  
25 right now. It was Charles F. Brush in

1 1988. It powered his home. It powered a  
2 lot of the lights on Euclid. Image if we  
3 would have just kept working with that. We  
4 wouldn't be even having this conversation  
5 right now. That's something we can take  
6 that back and we can be the leader that we  
7 need to be, one with manufacturing, one  
8 with wind power engineering and it really  
9 could just be the next step for making  
10 Cleveland the place that we know it can be.  
11 That's it. Thank you.

12 MS. ADDISON: Joe Stark?

13 MR. STARK: Joe Stark. 17833 Lake  
14 Road, Lakewood.

15 - - - -

16 JOE STARK, of lawful age, being first duly  
17 sworn, testified upon his oath as follows:

18 STATEMENT BY JOE STARK:

19 I am president of the Great Lakes  
20 Towing Company. We're a tugboat large  
21 company. We operate a shipyard here in  
22 Cleveland. We're 118 years old, founded by  
23 John D., the energy magnet himself. As a  
24 Cleveland-based maritime company tug and  
25 barge operations throughout the Great Lakes

1 shipyard here in Cleveland, the companies  
2 provide new construction as well as  
3 dry-docking maintenance and repair services  
4 for ship owners and operators. GLT is very  
5 interested in seeing the success of Project  
6 Icebreaker, the first freshwater offshore  
7 wind turbine project in North America.  
8 Largely we believe the project represents  
9 an outstanding economic development  
10 prospect for the region and we see Project  
11 Icebreaker as a growth opportunity for  
12 existing operations in the area, our steel  
13 fabrication services and green operations  
14 and logistics. Long term we envision  
15 providing a combination of technical and  
16 marine logistics support services to the  
17 wind farm for operation, maintenance, and  
18 repair.

19 The Icebreaker project is about  
20 jobs. Great Lakes Towing and Shipyard  
21 together with AT & F represent the sole  
22 Northeast Ohio provider of tug and barge  
23 services and the critical large scale steel  
24 fabrication necessary for competing for the  
25 work on this project. Great Lakes and AT &

1 F, Mr. Ripich, have long histories in Ohio.

2 With the job generators it'll make  
3 significant investments in our standing,  
4 updating, modernizing our respective  
5 facilities. We have been involved in the  
6 development and evolution of Project  
7 Icebreaker since its conception, and our  
8 businesses can provide the core  
9 manufacturing capabilities that Ohio has  
10 historically been known for.

11 Make no mistake this project like  
12 that of many renewable energy projects  
13 presents an opportunity for all Ohio  
14 companies in the areas of design,  
15 construction, and maintenance, all of which  
16 generate good paying jobs. It's very  
17 important that we all support renewable  
18 energy projects such as Icebreaker. This  
19 project will provide an entry point to  
20 critical supply chains that can have  
21 long-term benefits to the entire state.  
22 Major renewable energy projects are highly  
23 relied upon, a proven core of knowledgeable  
24 contractors, subcontractors, and skilled  
25 component manufacturers. Once Ohio-based

1 companies can establish themselves in the  
2 supply chain they can become the key  
3 suppliers of choice for projects beyond  
4 Ohio building entirely new Ohio-based  
5 industries serving the markets across the  
6 country and around the world. To jump  
7 start the regional economic development  
8 project (inaudible), we highly recommend  
9 jobs be reserved for our local businesses  
10 and that any permits for Project Icebreaker  
11 be subject to a proper inspection for the  
12 benefit of Northeast Ohio contractors and  
13 supplies. What goes around should come  
14 around and we believe it will be for the  
15 benefit of the state and the Greater  
16 Northeast Ohio region. Project Icebreaker  
17 will prove the concepts to be the first  
18 high-power generating asset in Ohio to  
19 reduce the state's carbon footprint. The  
20 first indication in energy generating  
21 assets is critical. The dramatic downturn  
22 in coal has hit Ohio power generation  
23 capabilities very hard. GLT is not immune.  
24 The impact of that downturn as world  
25 markets uncontracted, power generating

1 facilities along the lakefront have shut  
2 down. Companies and clients have seen  
3 significant decrease in marine  
4 transportation of coal. This has not been  
5 driven by the rise in renewable energy  
6 process but rather by the increase in  
7 natural gas, fuel choice for new and  
8 retro-fitted power plants. So let's not  
9 put all our eggs in one basket. The market  
10 risk for long-term increase (inaudible)  
11 natural gas is very real and we would be  
12 well served in the renewable energy project  
13 such as the Project Icebreaker as a hedge  
14 to stabilize our future costs in  
15 electricity. Efficiencies in development  
16 and construction and operation of renewable  
17 projects will also help identify new  
18 methods to drive down the cost of kilowatt  
19 power to successive projects. We have an  
20 excellent opportunity to get out in front  
21 of this developing market and be the leader  
22 in the nation with the prospect of driving  
23 economic growth by supporting this  
24 renewable energy project. We strongly urge  
25 you to approve Project Icebreaker. Thank

1       you.

2               MS. ADDISON: Robert Zankovich?

3               AUDIENCE MEMBER: (Inaudible).

4               MS. ADDISON: Thank you. I just  
5       wanted to be clear. Will Friedman?

6               MR. FRIEDMAN: Good evening. I'm  
7       William P. Friedman, and I'm president and  
8       CEO of the Cleveland Cuyahoga County Port  
9       Authority. Our offices are located at 1100  
10      West 9th Street, Suite 300, Cleveland  
11      44113.

12              - - - -

13      WILLIAM FRIEDMAN, of lawful age, being first  
14      duly sworn, testified upon his oath as follows:

15              STATEMENT BY WILLIAM FRIEDMAN:

16              The Port of Cleveland has been  
17      part of the LEEDCo offshore wind solution  
18      since the beginning of its initiative. We  
19      have a once in a century opportunity with  
20      this project to put Ohio at the forefront  
21      of a rapidly emerging industry. Renewable  
22      energy is the future and Ohio can lead the  
23      world in freshwater offshore wind energy.  
24      The economic impacts will include the  
25      recent following dimensions: Design,

1 installation, operation and maintenance of  
2 this facility's scale demonstration project  
3 by the Icebreaker R & D design,  
4 installation, and operations and  
5 maintenance, a full scale wind farm  
6 development in Erie, supply chain  
7 industries that are present in Ohio to  
8 design and manufacture component parts,  
9 undertake operations and maintenance  
10 activities centered in Ohio, and then  
11 finally export wind energy, goods and  
12 services in all parts of the world.  
13 Offshore wind is already big business for  
14 port and maritime service providers in  
15 Europe. It can be here, too. More than  
16 3,600 turbines at the end of 2016 have been  
17 installed in waters offshore in Europe  
18 powering 13 million homes and this is  
19 projected to double by 2020. Ports in  
20 Europe are invested heavily to handle land  
21 site, marsh land, and launching offshore  
22 wind projects and service providers who  
23 build these specialized metals to meet the  
24 demand for installation and maintenance.  
25 This means thousands of good jobs just in



1 the maritime supply chain sector along main  
2 Europe. Ernst & Young concluded in 2015  
3 that for Europe, this is quoting out of  
4 this paper, compared to the other energy  
5 mixing that is offshore wind energy, can  
6 create the most jobs, displace the most  
7 carbon, would be cheaper for society than  
8 nuclear or conventional sources of energy.

9 Project Icebreaker is the  
10 beginning point for offshore wind and  
11 energy industrial cluster here in Ohio that  
12 can provide renewable energy at a better  
13 cost. How many other opportunities of this  
14 magnitude do we have in Ohio? Frankly, I  
15 don't know of any. I won't speak to  
16 environmental aspects of the project  
17 because I know the potential impacts are  
18 exhaustive and realize that's part of this  
19 process. I would only state the obvious  
20 that we need the demonstration project to  
21 validate these studies, so I urge you to  
22 approve Icebreaker as the first step in  
23 launching a new energy. It's not an issue  
24 for Cleveland and all of Ohio. Thank you  
25 for the opportunity to speak before you.

1 MS. ADDISON: Garry George?

2 MR. GEORGE: Good evening. Garry  
3 George, renewable energy director for the  
4 Audubon Society.

5 - - - -

6 GARRY GEORGE, of lawful age, being first  
7 duly sworn, testified upon his oath as follows:

8 STATEMENT BY GARRY GEORGE:

9 I'm here tonight to talk about  
10 Icebreaker and birds. For our million  
11 members in the United States, there's about  
12 25,000 members and supporters here in Ohio.  
13 We submitted comments on March 24th, 2007  
14 for the application for Icebreaker and I'm  
15 here tonight to reiterate some of those  
16 comments and also to provide copies for the  
17 record and also for anyone who wants to see  
18 these comments from the National Audubon  
19 Society.

20 Climate change is the biggest  
21 threat to birds, period, so reducing our  
22 emissions through well-sited clean energy  
23 is critical to protecting those birds.  
24 This project was cited in an Audubon global  
25 research (inaudible) and that's a national

1 program and international program designed  
2 in places that are the highest  
3 concentration of birds and the reason why  
4 is because a significant population of the  
5 wintering red-breasted merganser winter  
6 here in the area and tens to hundreds of  
7 millions of birds migrate across Lake Erie  
8 according to the U.S. Fish & Wildlife  
9 Service. So this makes the collection of  
10 data on birds on Lake Erie on the project  
11 site critical for this project to go  
12 forward. Just like any other wind project  
13 in the United States this is a critical  
14 part of the development of the project.  
15 Onsite data collection is now being  
16 considered for the project. I understand  
17 that the OPSB is required to have the  
18 development of MOU, memorandum of  
19 understanding, with the Ohio Department of  
20 National Resources on data collection for  
21 the project before construction and also  
22 after operation, and it's waiting the final  
23 agreement on the timed development  
24 technology and methodology and protocol  
25 that will be used in these studies. This

1 is critical and so we're waiting for that.  
2 This is critical because this is going to  
3 be the standard for siting of any other  
4 wind project in the Great Lakes region  
5 according to us and others, so this is,  
6 these data are very very important, so we  
7 want to thank the board tonight for  
8 considering our concerns and ODNR for their  
9 careful consideration of the memorandum of  
10 understanding and the technology,  
11 methodology, and protocols that intend to  
12 go forward on this project and we look  
13 forward to finalizing that with you with  
14 those technologies, methodologies and  
15 protocol before they begin construction on  
16 this project. So again, we want to urge  
17 the board and other permitting authorities  
18 here in the U.S. and the Great Lakes and  
19 Canada to form a working group to work  
20 together and to set standards for data  
21 collection, for birds and wildlife on these  
22 projects as they continue around the Great  
23 Lakes. This one is the first one and it  
24 will set the standard so we hope that that  
25 will happen and we urge the board to do

1           that, so thank you very much.

2           MS. ADDISON: Trish Demeter?

3           MS. DEMETER: Good evening. I'm  
4           Demeter. I'm the vice-president of Policy  
5           for to Ohio Environmental Council of Energy  
6           Programs.

7           - - - -

8           TRISH DEMETER, of lawful age, being first  
9           duly sworn, testified upon her oath as follows:

10          STATEMENT BY TRISH DEMETER:

11           The Ohio Environmental Council was  
12           established in 1969 and uses campaign  
13           communications, advocacy and the law to  
14           advance policies for a healthier more  
15           sustainable Ohio. Thank you for the  
16           opportunity to provide comments tonight.  
17           The OEC's energy program's primary goal for  
18           electric utility transformation is to  
19           transition away from fossil fuels and to  
20           meet more of Ohio's electricity demands for  
21           energy efficiency and renewable energy  
22           resources. Ohio is a very, a state that's  
23           very heavily reliant on coal-fired power  
24           with approximately 60 percent of our power  
25           coming from coal-fired power plants in the

1 region. So the diversification that  
2 project Icebreaker brings to Ohio's energy  
3 portfolio is very critical. It will reduce  
4 carbon dioxide emissions and other harmful  
5 air pollutions. That matters to real  
6 people living in this region and in the  
7 State of Ohio. In Cuyahoga County alone  
8 over 28,000 children and 107,000 adults are  
9 suffering from asthma and there are  
10 particular risks for continuing down the  
11 path of being overly reliant on coal-fired  
12 power. The deployment of renewable energy  
13 resources in the region can help alleviate  
14 the health impact experienced by these  
15 residents here locally. I must note that  
16 OEC's energy program is just one part of  
17 our strategic focus in Ohio. We do have a  
18 natural resources program equally important  
19 to insuring healthier, more sustainable  
20 Ohio. This program advocates for the  
21 protection of public land and for critical  
22 habitats as well as for clean water and  
23 water quality. Therefore our intervention  
24 in this case, involvement in the Ohio Power  
25 Siting Board case, aims to strike the

1 necessary balance between two objectives  
2 that we care very much about. First,  
3 responsible siting of any energy facility  
4 within the state so to minimize negative  
5 impacts to air, land, and water and public  
6 health. And, second, to insure rigorous  
7 but also transparent and fair regulatory  
8 process so that this demonstration project  
9 can set a very strong precedent for the  
10 region being the first in the water. This  
11 balance is totally achievable particularly  
12 if we allow credible and verifiable climate  
13 data and available technology to measure  
14 and verify the project's potential impacts.  
15 In recent years Ohio has lagged behind  
16 other states in moving towards a cleaner  
17 energy future. Other Great Lake states  
18 such as Michigan and Illinois are charging  
19 ahead with clean energy development.  
20 They've increased their clean energy goals  
21 and they are sending clear signals out to  
22 private sectors that they are eager for new  
23 clean energy assessments in creating new  
24 jobs and environmental benefits. So if  
25 approved the Icebreaker Wind Demonstration

1 Project can send a positive signal that  
2 will counter a growing reputation that Ohio  
3 is getting that we're out of touch with the  
4 global trend for clean energy. Thank you  
5 again for the opportunity to provide  
6 comment.

7 MS. ADDISON: Kim Kaufman?

8 MS. KAUFMAN: My name is Kimberly  
9 Kaufman. I'm representing the Black Swamp  
10 Bird Observatory and American Bird  
11 Conservancy.

12 - - - -

13 KIM KAUFMAN, of lawful age, being first duly  
14 sworn, testified upon her oath as follows:

15 STATEMENT BY KIM KAUFMAN:

16 Black Swamp Bird Observatory and  
17 American Bird Conservancy appreciate the  
18 opportunity to provide public comment to  
19 the Ohio Power Siting Board process on this  
20 project know as Icebreaker. ABC is the  
21 only organization in the western hemisphere  
22 with the single and steadfast commitment to  
23 achieving conservation for birds and their  
24 habitats throughout the Americas. Black  
25 Swamp birds are migratory in the nonprofit



1 dedication to research and education of  
2 bird conservation. We have over 35 years  
3 of field experience in research on bird  
4 migration in and around Lake Erie. Many  
5 people have testified this evening in  
6 support of this project and many of them  
7 mentioned the low risk to the environment.

8 I have to assume that many of them are  
9 talking about birds and bats because that  
10 has been so much in the public eye.

11 However as the OPSB is aware the studies to  
12 determine the potential impact are still  
13 being conducted. So these comments are  
14 based not in science and fact, rather on  
15 the effective PR by LEEDCo.

16 I testify this evening on behalf  
17 of the BSBO ABC, an organization uniquely  
18 qualified to advise the OPSB on that risk  
19 assessment, and based on our extensive  
20 knowledge of bird migration in the area we  
21 present these points for consideration:

22 First, the BSBO and ABC acknowledge the  
23 need to diversity our energy portfolio to  
24 address the threat of projected climate  
25 change. However proper siting is crucial.

1 We applaud the OPSB and ODNR with the  
2 concept of the memorandum of understanding,  
3 or MOU, for this project. It provides a  
4 reasonably clear guideline of what is  
5 expected of all parties. We would  
6 recommend that this process with a bit more  
7 scientific rigor added should be used for  
8 all wind industry applications in Ohio. We  
9 support the complete enforcement of the  
10 MOU. Although this MOU in our expert  
11 opinion isn't perfect we definitely support  
12 the requirement that all field methods of  
13 pre-construction studies must complete at  
14 least a minimum of one full year of data  
15 collection. Radar studies have already  
16 launched for this fall 2017 so  
17 pre-construction studies must continue  
18 until at least November 2018 in order to  
19 comply with the MOU. We recommend that the  
20 certification of operation should not even  
21 be issued until the applicant has completed  
22 the study required by the MOU and has  
23 presented a scientifically-sound mechanism  
24 for conducting post construction birds and  
25 bats mortality rates. With the immense

1 bird activities on and above Lake Erie the  
2 precedent setting nature of this project  
3 and the so far inadequate field work  
4 conducted on the project, it is obvious the  
5 environmental assessment completed by the  
6 Department of Energy fails to accept the  
7 true risk to birds and bats. Massive  
8 numbers of water birds use (inaudible) in  
9 Lake Erie. For some species such as  
10 red-breasted mergansers and (inaudible)  
11 gulls more than 40 percent of the world's  
12 population, I'm going to say that again, 40  
13 percent of the world's population may be  
14 present on the lake in the central basin at  
15 the same time. Migratory birds and shore  
16 birds by the millions fly directly across  
17 Lake Erie, most of them flying at night at  
18 altitudes that put them in direct contact  
19 with the rotors of the wind turbines.

20 The EA for the project does not  
21 reflect any of these points. We strongly  
22 recommend to the DOE that they have step  
23 back, follow the original recommendation of  
24 U.S. Fish & Wildlife Service and complete a  
25 full environmental impact statement. The

1 applicant has consistently stated that this  
2 is just a, quote, demonstration project,  
3 but clearly the true objective is to  
4 support the construction of many thousands  
5 of turbines in Lake Erie. This has been  
6 quoted in the press many times. The EA on  
7 the Icebreaker Project has ignored  
8 guidelines to address cumulative effects of  
9 any known or projected stanchions. For all  
10 these reasons and more we implore you to  
11 judge this project on the cumulative risk  
12 for birds and bats posed by the potential  
13 buildup of thousands of turbines in Ohio  
14 waters of Lake Erie and require appropriate  
15 risk assessment by TIS before discussions  
16 are assured of any certificate of  
17 operations. There are numerous studies  
18 documenting the impacts to birds and bats  
19 from poorly effective energy but until we  
20 can legally prevent an industry from  
21 developing clean energy in the global  
22 important areas we believe that the Ohio  
23 Power Siting Board and ODNR should  
24 establish a standard by which we proceed  
25 only with a surplus of knowledge and an

1 abundance of caution. Thank you.

2 MS. ADDISON: John Hamercheck?

3 MR. HAMERCHECK: I'm John  
4 Hamercheck, representing Lake County Board  
5 of County Commissioners. Our office is at  
6 105 Main Street, Painesville, Ohio 44057.  
7 I'm here to speak on behalf of Icebreaker  
8 Wind.

9 - - - -

10 JOHN HAMERCHECK, of lawful age, being first  
11 duly sworn, testified upon his oath as follows:

12 STATEMENT BY JOHN HAMERCHECK:

13 As an elected official I like all  
14 other elected officials have taken an oath  
15 of office to serve the interests of the  
16 people. Serving the interests of the  
17 people is achieved not only through  
18 individual efforts but is most effective  
19 when working together with other elected  
20 officials and public bodies. Project  
21 Icebreaker Wind offers our region a  
22 tremendous opportunity for developing a  
23 green future on the blue waters of our  
24 Great Lake Erie. I would be remiss if I  
25 did not point out that not so many years

1 ago the waters of our Great Lake Erie here  
2 were used for dumping here of industrial  
3 waste, sewage, untreated stormwater, and  
4 other environment hazards too numerous to  
5 mention here. Through the hard work and  
6 diligence of our environmental movement  
7 ranging from Joe and Jane Citizen to our  
8 highest elected officials we have reclaimed  
9 our Great Lake Erie. We stand at a  
10 crossroads and the time is now for our  
11 region to reclaim not only our reputation  
12 but our standing as world-class leaders.  
13 For far too long we have lived under the  
14 stigma of the "rust belt" and Cleveland  
15 unjustly has labored under the moniker of  
16 "The mistake on the lake." Our region  
17 offers world-class arts and culture  
18 supported by renowned science and education  
19 institutions.

20 Project Icebreaker Wind  
21 exemplifies the good qualities of our  
22 nation with public and private  
23 participation, continuous representation of  
24 the people's interest at all levels, and  
25 economic opportunities that are

1 environmentally responsible and  
2 sustainable. We as a society cannot afford  
3 to ignore the many quality of life  
4 opportunities Project Icebreaker Wind  
5 offers. It not only offers a future in the  
6 clean energy market but is part of the  
7 long-term economic planning for our region  
8 that will establish sustainable jobs while  
9 building on the foundation of the Lake Erie  
10 Loop for power transmission that reaches  
11 out as far as Buffalo, Detroit, and even  
12 Canada. Project Icebreaker Wind as a pilot  
13 project is right sized and located in a  
14 freshwater environment that limits  
15 environmental and meteorological extremes  
16 that ocean based systems face. "Location,  
17 location, location" is not just a marketing  
18 term; in the case of Project Icebreaker  
19 Wind it is also about the collection of  
20 data in the most effective and efficient  
21 project environment. Project Icebreaker  
22 Wind is much further along in its  
23 development than any other offshore project  
24 in the United States. This offers Ohio an  
25 opportunity not only to be first in

1 offshore energy but, more importantly, the  
2 best in the nation. Thank you for your due  
3 consideration on Project Icebreaker Wind.

4 MS. ADDISON: Benson Lee?

5 MR. LEE: My name is Benson Lee.  
6 I live in Bratenahl on Lakeshore Boulevard  
7 and I look forward to seeing the specs on  
8 the horizon when I walk out my front door  
9 in the future.

10 - - - -

11 BENSON LEE, of lawful age, being first  
12 duly sworn, testified upon his oath as follows:

13 STATEMENT BY BENSON LEE:

14 I have been a resident of Ohio for  
15 40 plus years and I have had an opportunity  
16 to see the evolution of the entire energy  
17 sector from the beginning. I was delighted  
18 to hear Ronn Richard speak earlier. As a  
19 board member of the Cleveland Foundation I  
20 was on the search team that hired him, so I  
21 guess I predate Ronn's involvement in the  
22 genesis of the Icebreaker program.

23 In my day job I'm the president  
24 and CEO of Technology Management, Inc.  
25 which was formed to acquire and



1 commercialize a fuel cell technology that  
2 was developed here in Ohio at Sohio and  
3 later British Petroleum of America, BP  
4 America. Today TMI is Ohio's oldest fuel  
5 cell company and a founding member of the  
6 Ohio Fuel Cell Coalition. We spent the  
7 first decade and a half in R and D and we  
8 have built prototypes to demonstrate them  
9 and are in the process of entering the  
10 marketplace which places us in the advanced  
11 energy sector side by side with LEECo. We  
12 were the first fuel cell company in the  
13 world to run directly on liquid fuels like  
14 diesel and kerosene. We're the first fuel  
15 cell company in the world to run on  
16 renewable biofuels to show that we can  
17 produce a zero net carbon footprint and we  
18 have been part of the evolution of the fuel  
19 cell industry in Ohio and I might add that  
20 pieces and parts are virtually -- every  
21 fuel cell system in the world can be traced  
22 back to Ohio manufacturers. So in many  
23 ways fuel cells have been with us, they are  
24 just not as visible. Recently we have seen  
25 fuel cells appear with SRTA, the Stark

1 Regional Transit Authority, and by the end  
2 of 2018 we will have the largest fuel cell  
3 fleet of buses east of California. We have  
4 Case Western Research as a pioneer in the  
5 field and we have companies that are using  
6 them in forklift trucks. You may be saying  
7 what's the relationship between the fuel  
8 cell industry and LEEDCo, and that's what I  
9 would like to offer just as a perspective  
10 today that might help as we look into the  
11 future.

12 Part of the job of an entrepreneur  
13 is to look around the corner, if you will,  
14 and try to be there when that materializes,  
15 and as we look at the importance of LEEDCo  
16 for this region it goes beyond simply wind  
17 turbines on Lake Erie being the first  
18 example of freshwater turbines. What we  
19 see is a market that we're part of and that  
20 is producing primary power, if you will,  
21 utility grade infrastructure power which is  
22 available 24/7 throughout the world. We  
23 hear often that wind only blows when it  
24 decides to. If you put fuel cells together  
25 with wind turbines we have the ability to

1 ramp up and fill the voids when the wind  
2 isn't blowing and to drop down when the  
3 wind is blowing, and if you put fuel cells  
4 together with wind turbines you're now  
5 looking at an unusual combination that can  
6 address the growing primary power  
7 requirements not just for this region or in  
8 this country but on a global basis. I  
9 think that that's very exciting and it's  
10 not obvious until you put the two together.

11 Primary power, of course, is the  
12 nemesis of the utility grid. In a recent  
13 analysis by many people as they look at the  
14 outages, sources of outages caused by major  
15 hurricanes over the last 10 years,  
16 interestingly, it's always been on the  
17 transmission side of the equation, not on  
18 the generating side; and as I understand  
19 it, the Icebreaker project, they are going  
20 to be laying down the transmission and  
21 flood breakers of the substation level, and  
22 so in many ways as we look out into the  
23 future putting tower knowledge where the  
24 fuel cells are going to be together with  
25 the exciting opportunities of renewable

1 energy we see an opportunity for a new  
2 industry to emerge in Northeastern Ohio, in  
3 the State of Ohio. The growth, you might  
4 say, well, who cares, why is this  
5 important? I offer another perspective  
6 that we're very aware of and that is we  
7 look at the major corporations and  
8 companies in the world. Many of them are  
9 based entirely on access to the internet  
10 24/7. What we don't often hear is that  
11 that internet access 24/7 requires reliable  
12 power. These are called platform companies  
13 and we're all familiar with them. The  
14 world's largest hotel company, so to speak,  
15 doesn't own the hotels. The world's  
16 largest retailer doesn't own the retail  
17 shops, and so on and so forth, but what  
18 they all rely on is 24 access, internet  
19 access to drive their businesses.

20 For Cleveland, Northeastern Ohio,  
21 and Ohio to be able to say we have  
22 addressed this issue in anticipation of the  
23 growth that we see worldwide in the future  
24 we start thinking of exciting ways for  
25 people to come and start internet-dependent

1 businesses. Already we have enormous  
2 initiative in the biomedical area. If we  
3 look carefully many of them are internet  
4 dependent. And this is an area where we're  
5 going to see jobs, new industry, and a  
6 cascade of new areas that some of us may  
7 never have heard of before and it's all  
8 carried on the back of reliable primary  
9 power, so when you put all of this together  
10 LEEDCo is just the tip of the iceberg.

11 I mentioned fuel cells have the  
12 ability to fill in when the wind isn't  
13 blowing. Well, think of all the small  
14 turbines. We'll be looking at how we do it  
15 and how we can attract larger fuel cell  
16 companies to this region to work with the  
17 excitement that we're going to have.

18 All of these initiatives, if we  
19 look around the corner, converge into a lot  
20 of opportunity for a new industry that no  
21 one else has put together and I stand here  
22 very excited about this because in my 40  
23 years living in this community this is one  
24 of the very few times that I have seen  
25 Cleveland and Northeastern Ohio have the

1 opportunity to lead and not follow. Thank  
2 you very much.

3 MS. ADDISON: Dick Pace?

4 MR. PACE: My name is Richard  
5 Pace. My business is Cumberland  
6 Development. I'm the CEO of Cumberland  
7 Real Estate Development. The address is  
8 530 Euclid Avenue, Cleveland, Ohio 44115  
9 and I'm a supporter of Icebreaker.

10 - - - -

11 RICHARD PACE, of lawful age, being first  
12 duly sworn, testified upon his oath as follows:

13 STATEMENT BY RICHARD PACE:

14 So as a CEO of a real estate  
15 development corporation I do not have a  
16 direct financial interest in this project  
17 but, like we all do, I have a very strong  
18 financial interest in this project. My  
19 project, we were blessed with the  
20 opportunity to develop our downtown  
21 Cleveland lakefront. We're going to be  
22 putting 1,000 residential units on the  
23 lakefront downtown, up to one-million  
24 square feet of commercial office space,  
25 retail and a school. We think that this is

1 a critical project for us, a very important  
2 one. Our development corporation uses  
3 sustainable design in everything we do in  
4 all of our projects from passive solar  
5 energy design to active solar panels on our  
6 roof. Currently we have developed the  
7 first building. We're under construction  
8 of the second building on the lakefront.  
9 We've actually bought through the LEAD  
10 program bought green energy credits.  
11 Wouldn't it be great if those green energy  
12 credits were from power produced here  
13 locally? We think that's very important.  
14 But more importantly we're attracting  
15 corporations to the lakefront,  
16 international corporations and, as Dr. Lee  
17 just talked about, those corporations want  
18 reliable, sustainable power, so this  
19 project is very important for us to be able  
20 to market that space on the lakefront to  
21 international corporations who have that at  
22 the top of their list as the thing that  
23 they want to know - can they attract talent  
24 and can they have reliability of the power  
25 system. So that is a critical tool for us

1 in attracting those corporations, so  
2 clearly Icebreaker will create jobs, as  
3 you've heard before, with manufacturing,  
4 with installation and construction. It  
5 will also attract jobs through our efforts  
6 and many other people and many other  
7 developers in downtown Cleveland, but it's  
8 also going to improve our lives, so it's a  
9 very important project which I would  
10 strongly recommend that you approve the  
11 permitting process. Thank you.

12 MR. WALSTRA: We do have quite a  
13 few people left to testify yet. There are  
14 a few other options if you can't stick  
15 around for the entire time. We have sheets  
16 outside, petitions, where you can sign up  
17 either in opposition to the application or  
18 in support of the application. You can  
19 also submit a letter to the Power Siting  
20 Board or you can fill out comments online  
21 or fax them in and that information is  
22 available on our website and we do  
23 appreciate the applause and enthusiasm but  
24 so maybe we can refrain from that from now  
25 on so we can continue to move more



1 efficiently. Next up is Pamela Carter.

2 Sorry to deprive you of the applause.

3 MS. CARTER: I will be brief. I  
4 am Pamela Carter. 1910 Pole Avenue,  
5 Lorain, Ohio. I'm on city council 3rd Ward  
6 councilwoman and I'm also an employee of  
7 the Oberlin City Schools.

8 - - - -

9 PAMELA CARTER, of lawful age, being first  
10 duly sworn, testified upon her oath as follows:

11 STATEMENT BY PAMELA CARTER:

12 So I stand in support with the  
13 Ohio Environmental Council on the  
14 construction of the wind-powered facility  
15 in Lake Erie. Statistics have shown that  
16 the economic developments in the  
17 Northeastern region could reach into the  
18 millions. This mission could potentially  
19 produce thousands of jobs for our community  
20 and return the promise to current scholars  
21 the hope of local employment after  
22 graduation. Finally, and more importantly,  
23 the mission creates a safe, clean, and  
24 sustainable environment. Thank you for  
25 your consideration.

1 MS. ADDISON: Neil A. Dick? Did  
2 he leave?

3 MR. BOWEN: I'm Dale Bowen. My  
4 address is 4805 McConnell East Road,  
5 Southington, Ohio.

6 MR. WALSTRA: What's your name?

7 MR. BOWEN: Dale Bowen.

8 MR. WALSTRA: Did you sign up to  
9 testify, sir?

10 MR. BOWEN: Yes. I'm having a  
11 hard time hearing.

12 MR. WALSTRA: Well, since you're  
13 up here we'll let you go ahead.

14 - - - -

15 DALE BOWEN, of lawful age, being first duly  
16 sworn, testified upon his oath as follows:

17 STATEMENT BY DALE BOWEN:

18 MR. BOWEN: I'm a retired chief  
19 electrical engineer with over 40 years  
20 experience in electronics and electric  
21 motor design. I worked for several  
22 different companies and have designed  
23 systems and electric motors for both the  
24 military and commercial industries. In  
25 fact I designed a original prop fixed motor

1 for wind generators. The following is my  
2 opinion on Project Icebreaker:

3 Why is the Department of Energy  
4 spending 126 million dollars on six new  
5 wind generators that will be placed in Lake  
6 Erie off the coast of Cleveland? Not only  
7 will these generators become visual  
8 pollution, the technology will be obsolete  
9 in the near future. The money should be  
10 spent more wisely on a new emerging  
11 technology called magnetic energy.

12 A new patent pending motor will  
13 change the future of all energy. This new  
14 hybrid motor is the first totally new motor  
15 design in well over 100 years. The motor  
16 runs on pulsed direct current and consumes  
17 only about five percent power of a  
18 conventional electric motor. Approximately  
19 95 percent of its speed and torque are  
20 produced by powerful permanent magnets as  
21 they are attracted to each other utilizing  
22 a new term called many Progressive Magnetic  
23 Rotation.

24 The interesting thing about this  
25 motor is that when coupled to an alternator

1 it will actually produce more power than it  
2 consumes. This is true because it runs on  
3 95 percent permanent magnetic energy. This  
4 new power system will propel us into the  
5 next clean energy age, magnetic energy.  
6 All other forms of energy including wind  
7 and solar will become obsolete just like  
8 the steam engine. There will be no more  
9 hydro power. No more coal-powered power  
10 plants.

11 The result, all electric vehicles  
12 will have an unlimited range. Individual  
13 power systems will supply power to our  
14 homes, farms, and factories. Not only will  
15 the wind generators disappear from the  
16 landscape we can also eliminate the entire  
17 power grid and all the power plants. These  
18 factors combined will solve many climate  
19 change issues, a major problem that we're  
20 currently facing. These six new wind  
21 generators may be the last ones to go up in  
22 Lake Erie and they may be the first ones to  
23 be torn down due to visual pollution so why  
24 should we waste all this money?

25 Now, if you want more information

1 on this new motor, you can review U.S.  
2 Patent Application Number 20160156254 or  
3 just ask me. This is my invention and like  
4 Nikola Tesla, I may be 40 years ahead of my  
5 time. While everyone else has been working  
6 on new battery technology to make  
7 100-year-old motor designs work I have been  
8 working on the other end of the spectrum  
9 developing new motor technology to  
10 eliminate batteries. Magnetic energy will  
11 become the one and only clean energy in the  
12 future. Thank you.

13 MR. WALSTRA: David Simons?

14 MR. SIMONS: David Simons. I live  
15 at 2631 Eaton Road, University Heights  
16 44118.

17 - - - -

18 DAVID SIMONS, of lawful age, being first  
19 duly sworn, testified upon his oath as follows:

20 STATEMENT BY DAVID SIMONS:

21 Good evening, Ohio Power Siting  
22 Board members and all who are here. I'm  
23 Dave Simons. I'm co-chair of the Sierra  
24 Club, Ohio Chapter Energy Committee and I  
25 have been promoting renewable energy for a

1        few decades. I have been supporting this  
2        project or something like it since the  
3        first study showing great potential for  
4        wind power from Lake Erie which was  
5        presented at the American Solar Energy  
6        Society's 2007 annual conference in  
7        Cleveland. My take on this matter of Lake  
8        Erie Wind Project will be a little bit  
9        different from others. Some feel that the  
10       subject of global climate  
11       disruption/destruction should be avoided  
12       due to hostility from science deniers on  
13       the right wing and wanting to push  
14       renewables forward anyway, citing all the  
15       great economic and environmental benefits  
16       beyond healing our common atmosphere. I  
17       say take it head on. The climate science  
18       denialists and their King Canute fantasies  
19       cannot hold back the high tides, one of the  
20       certain results from our human  
21       hubris/recklessness. The science  
22       denialists in Washington will soon be swept  
23       away, since their denial of scientific  
24       realities threatens destruction of the  
25       foundations of our current civilization.

1           We humans are in the "all hands on  
2       deck" moment, when our collective actions  
3       will either make or break our good earth,  
4       in regard to climate and many more human  
5       caused crises as well. That is, all of our  
6       descendents are depending on us making the  
7       right moves for their very lives. The well  
8       being of all life forms and the whole  
9       ecosystems that are home to them, and the  
10      well being of all the humans are paramount  
11      with me. That is, I am a well rounded wide  
12      range environmentalist. I'm not just an  
13      energy wonk. I try to evaluate from a  
14      wholistic stance, considering, balancing,  
15      and integrating as many variables, upsides  
16      and downsides as I can, especially all the  
17      effects on living beings.

18           Fossil fuel use, the principal  
19      cause of global climate destruction, is an  
20      enormous challenge. Our whole industrial  
21      civilization has been created and depends  
22      on massive amounts of fossil fuel to exist.  
23      Fortunately, many have taken on that huge  
24      challenge for a few decades already and a  
25      large suite of replacement technology

1 solutions already exists. One of the  
2 biggest most important of those solutions  
3 is wind electric power whose modern utility  
4 scale version was invented right here in  
5 Cleveland at NASA Lewis 40 some years ago.  
6 In fact, wind power could be as much as  
7 half the total replacement for fossil  
8 fueled generation, and is already more than  
9 five percent of total American power  
10 production. Scientific siting studies of  
11 LEEDCo's Lake Erie Wind Project,  
12 considering a wide range of potential  
13 biological effects are already extensive.  
14 This is a pilot project and so will be  
15 studied from many angles from its inception  
16 especially including biological effects  
17 such as on birds and bats. In fact, that  
18 is the purpose of the project, continuing  
19 scientific study to determine feasibility  
20 and limitations from many standpoints, to  
21 produce a wholistic consideration. In my  
22 opinion as a long-time technology critic  
23 and promoter of what used to be called  
24 "appropriate technology" this is exactly  
25 the approach we should be using in



1 evaluating all technologies, wholistically  
2 integrated. So please approve this project  
3 finally. We have been eagerly awaiting for  
4 10 years already. Time to get a move on.  
5 We really don't have time to waste. Thank  
6 you for your consideration.

7 MR. WALSTRA: John Majewski?

8 AUDIENCE MEMBER: He left.

9 MR. WALSTRA: Michael Bertolone?

10 MR. BERTOLONE: Mike Bertolone.

11 I'm from the Operating Engineers Local  
12 Union 18. We're located at 3515 Prospect  
13 Avenue, Cleveland, Ohio.

14 - - - -

15 MICHAEL BERTOLONE, of lawful age, being first  
16 duly sworn, testified upon his oath as follows:

17 STATEMENT BY MICHAEL BERTOLONE:

18 On behalf of the 15,000 men and  
19 women of the Operating Engineers Local 18 I  
20 am here this evening to speak in support of  
21 the proposed Icebreaker offshore Wind  
22 Project. Local 18 has been following this  
23 project since its announcement several  
24 years ago and we have had the opportunity  
25 to meet with the developer, LEEDCo, on

1 separate occasions to discuss our members  
2 role in the Icebreaker Project.

3 The members of Local 18 are very  
4 familiar with the construction of wind farm  
5 projects in the state. Our members built  
6 the Blue Creek and the Timber Road Wind  
7 Farm in Northwest Ohio and are currently  
8 working on the Hardin and Hog Creek Wind  
9 Farm Projects. These projects have  
10 provided hundreds of jobs to our members  
11 and the fellow trades which ultimately  
12 helps all of our benefits and training  
13 programs. The Icebreaker Project will also  
14 provide good jobs to the operating  
15 engineers and our fellow union tradesmen  
16 and women during the initial construction  
17 and ongoing routine maintenance. The  
18 Icebreaker will be the first of its kind  
19 and will ultimately lead to future projects  
20 that employ the local union trades in the  
21 future. Local 18 urges the Ohio Power  
22 Siting Board to join us in supporting the  
23 proposed Icebreaker wind farm and approve  
24 the construction of the project. Thank  
25 you.

1 MR. WALSTRA: Thank you. Rich  
2 Jordan?

3 MR. JORDAN: My name is Rich  
4 Jordan. I live 9501 Shady Oaks, Jackson  
5 Township, Ohio.

6 - - - -

7 RICH JORDAN, of lawful age, being first duly  
8 sworn, testified upon his oath as follows:

9 STATEMENT BY RICH JORDAN:

10 I'm the business manager from  
11 Local 17 here in Cleveland, Ohio,  
12 Ironworkers, and we have over 2,000 members  
13 in our local and over 150 apprentices that  
14 belong to our local here. It's been a long  
15 night sitting back there. Heard a lot of  
16 people talking. It's great to see a lot of  
17 people out tonight to support this and also  
18 the people out that do not support it.  
19 It's great to see the debate. One thing  
20 that I see here is people talking about  
21 bringing jobs, bringing industry to  
22 Northeast Ohio but when you talk to Great  
23 Lakes Towing you hear AT & F, companies  
24 that are already here that can produce this  
25 and make this here in Northeast Ohio that

1 can some day hopefully in Michigan,  
2 Illinois, on all the Great Lakes have a  
3 part, being a part of the manufacturers  
4 across this country. Local 17 we have over  
5 220 people certified in windmill turbines  
6 that we have done across the State of Ohio  
7 and a lot of the windmill farms that are in  
8 Northeastern Ohio. You look across  
9 Cleveland, Ohio, we have it down to the  
10 Science Museum that we put up, over at  
11 Lincoln Electric our guys erected the  
12 turbine windmills over there. I liked to  
13 see, I'm sitting there and I'm reading this  
14 up here, it says the grease of all inland  
15 waterways. That's us. Cleveland. The  
16 Great Lakes. I hear people talk about it's  
17 going to be a sore eye. My family moved  
18 over here from Germany back in 1847. We  
19 have a place on Middle Bass Island on the  
20 north shores that I will be there this  
21 weekend at the house. I live over the  
22 Great Lakes. It's a beautiful place to see  
23 and we as a city we have to think out of  
24 the box. We can't be sitting here. We  
25 have to build this stuff. We have to be

1 first here so the rest of the country can  
2 follow us. Cleveland is a great city to  
3 live in. Great people here and we got to  
4 step up and do the right thing here. We  
5 can make all these roadblocks. We can talk  
6 about migrations. We can talk about  
7 pollution. We can talk about everything we  
8 want to talk about. We have the building  
9 trades here in Northeast Ohio that can  
10 produce this and do this and do a great job  
11 bringing it on time and bringing it on  
12 budget. We as ironworkers were the first  
13 ones to put these out in the ocean. We  
14 have had 15 or 16 different TLE's with  
15 different manufacturers across the country  
16 that we're set up with. We have over seven  
17 of our contractors that are set up doing  
18 this. We have all of our guys training  
19 doing this across Northeast Ohio with our  
20 ironworkers and also the other trades here  
21 have people capable of helping out doing  
22 this project. And we, like I said, we as  
23 members, a lot of my guys left, it's been a  
24 long night tonight, but let's keep it in  
25 Cleveland. There's companies in Cleveland,

1 Ohio that would love to build the stuff and  
2 do it nationwide along the Great Lakes,  
3 guys. So let's get this going and let's  
4 make it happen here. Let's do something  
5 first in Cleveland because it's a great  
6 city and let's make it happen. Thank you.

7 MR. WALSTRA: Sarah Taylor?

8 MS. TAYLOR: Sarah Taylor. My  
9 address is 2894 Meadowbrook, Cleveland  
10 Heights 44118.

11 - - - -

12 SARAH TAYLOR, of lawful age, being first duly  
13 sworn, testified upon her oath as follows:

14 STATEMENT BY SARAH TAYLOR:

15 I initiated the effort to bring  
16 offshore wind power to Lake Erie 10 years  
17 ago, over 10 years ago with the creation of  
18 Windustrious Cleveland and then I went to  
19 Ronn Richard and the Great Lakes Energy  
20 Development Task Force was born and LEEDCo  
21 was created three years later.

22 Windustrious Cleveland continues to help  
23 build the groundswell. It's great that so  
24 many are welcoming this project as a jump  
25 into the future that our region is

1 perfectly posed to take. It's a shame that  
2 much of the opposition has been framed as  
3 environmental. This is totally misguided.  
4 For instance, there are requests that  
5 additional radar studies be done since  
6 these opponents allege that there are  
7 numerous inadequacies in Icebreaker's  
8 environmental assessment. This is from the  
9 American Bird Conservancy and the Black  
10 Swamp Bird Observatory. In addition, the  
11 Sierra Club has requested permission to  
12 intervene prior to any decision being made.  
13 Well, the Audubon Society and Birdlife  
14 International say that the Ohio waters of  
15 the central basin of Lake Erie are a  
16 globally significant habitat for birds.  
17 However, just a year ago when the ABC and  
18 BSBO were first focused on preventing a  
19 wind turbine being erected close to the  
20 Lake Erie shore near Toledo they claimed  
21 that the site was located within a major  
22 bird migration corridor. This statement  
23 that the major bird threat in Lake Erie was  
24 in the far west of the lake rather than in  
25 the central basin is more in line with the

1 known Mississippi migration flyway.

2 However, the Black Swamp Bird Conservatory  
3 openly acknowledges that a major part of  
4 its income comes from waterfowl hunters.

5 Well, the Danes proved with radar studies  
6 over a decade ago that birds are smart and  
7 fast enough to navigate through, between,  
8 and around wind turbines. That's even more  
9 true today with larger more slowly moving  
10 turbine blades. It is surely strange that  
11 groups that bring up the possibility of  
12 danger to birds by wind turbines aren't  
13 working far harder on eliminating or  
14 minimizing the enormously greater threat to  
15 birds that are posed by glass windows. Why  
16 aren't they, for instance, insisting that  
17 the high-rise buildings in Toledo, far more  
18 in the migratory flight path than the  
19 waters six miles offshore from Cleveland be  
20 required to cover their windows with  
21 bird-friendly glass? Such products are  
22 easily available, and I haven't heard of  
23 the construction firm of any tall building  
24 currently being built in Cleveland that has  
25 been asked to use bird-friendly glass by



1 the Sierra Club or by any other group that  
2 is stating concern about the wind turbines  
3 that we hope to get erected off our shores  
4 as soon as possible. Thank you.

5 MR. WALSTRA: Thank you. Norman  
6 Robbins?

7 MR. ROBBINS: I'm Norman Robbins.  
8 3270 Norwood Road, Shaker Heights, Ohio  
9 44122.

10 - - - -

11 NORMAN ROBBINS, of lawful age, being first  
12 duly sworn, testified upon his oath as follows:

13 STATEMENT BY NORMAN ROBBINS:

14 I'm going to give a little  
15 different perspective. I'm going to talk  
16 as a grandfather of 15 kids and also as a  
17 doctor and also as someone who has worked  
18 on environmental issues, and I would just  
19 like you to see the larger picture here.  
20 There have been some wonderful  
21 presentations about the economics. I'm not  
22 going to touch that hardly at all, but the  
23 issue of the importance of this major and  
24 very exciting step that could be taken to  
25 address in a different way the disaster of

1 environmental climate change that is  
2 coming. It is already here. We just had a  
3 federal government national assessment that  
4 confirms the difficulty. It also points  
5 out by region and by state, if you look at  
6 their upcoming report, how this is going to  
7 impact Ohio. It's going to bring more  
8 flooding with heavy precipitation, more  
9 drought, and this is like the laws of  
10 physics. You know, you heat up water, you  
11 boil it, you see steam going up. Well  
12 we're talking about simple physical laws,  
13 and this project is an important step and a  
14 new way to take advantage of Ohio's rich  
15 resource of wind along the lake. It is the  
16 most concentrated wind resource in Ohio, if  
17 you look at the wind maps you will see that  
18 along the lake, and not only that but if  
19 you look at the U.S. wind map you will see  
20 that the other Great Lakes are also similar  
21 to our great lake in that if we get the  
22 first wind project going we have a whole  
23 lot of other great lakes that would  
24 benefit.

25 Going over to health issues and

1 pollution, the climate change is already  
2 causing heavy downpours in Ohio which leads  
3 to tremendous runoff especially in our  
4 suburban areas where there is a lot of  
5 impermeable land so water runs off very  
6 quickly, overwhelms the sewer system and  
7 guess where it goes? It flows into Lake  
8 Erie. So there is a direct connection  
9 between climate change, downpours, and  
10 heavy pollution of Lake Erie. So anyone  
11 who is interested about Lake Erie here,  
12 it's not the sediment for a stationary  
13 structure like a wind turbine is not going  
14 to be stirred up anywhere near the damage  
15 that's going to be done by runoff from  
16 climate change. So I think we have to see  
17 this thing in perspective, that this is a  
18 great opportunity for Ohio to show  
19 something very very different. I think  
20 I'll stop right because there are many  
21 other things, the health issue. Let me  
22 spend 30 seconds on that as a doctor. The  
23 issue of asthma has been raised. It is a  
24 major, major intercity problem here. It  
25 has definitely contributed to the ozone and

1 the atmosphere that comes from burning  
2 fossil fuel not just, of course, in power  
3 plants but also cars and everything else,  
4 but power plants in Ohio contribute and use  
5 an enormous amounts, so concern about our  
6 grandchildren now and we're seeing that  
7 carbon dioxide in the atmosphere is still  
8 increasing. The last reports show that  
9 it's increasing even more including the  
10 whole world, so we have a big job before  
11 us. If we drop this opportunity we're  
12 dropping something that's going to be  
13 important for our children and our  
14 grandchildren. Thank you.

15 MR. WALSTRA: Thank you. Tom  
16 Schock?

17 MR. SCHOCK: I'll pass.

18 MR. WALSTRA: Appreciate it. I do  
19 appreciate everyone being patient. We'll  
20 take a quick five-, ten-minute break then  
21 start back again. Thank you all.

22 - - - -

23 (Off the record.)

24 - - - -

25 MS. ADDISON: Back on the record.

1 The next name we have is David Beach.

2 MR. BEACH: I'm David Beach. I  
3 live at 13605 Shaker Boulevard, in  
4 Cleveland.

5 - - - -

6 DAVID BEACH, of lawful age, being first duly  
7 sworn, testified upon his oath as follows:

8 STATEMENT BY DAVID BEACH:

9 So I have been working in the  
10 environmental movement in Cleveland for  
11 about 30 years, 15 of those years I was the  
12 executive director of EcoCity Cleveland  
13 which was one of the main environmental  
14 groups at the time. In the last ten years  
15 I directed the GreenCityBlueLake Institute,  
16 the sustainability center at the Cleveland  
17 Museum of Natural History and I have been  
18 involved in most of the environmental  
19 issues that have taken place in Cleveland  
20 over the past 30 years whether on energy or  
21 climate change or water quality. I have  
22 been involved in a lot of those from an  
23 environmental perspective here.

24 One issue that hasn't been raised  
25 I think quite enough is climate change, a

1       few people mentioned it but that's what I'm  
2       most concerned about. I pay close  
3       attention to the scientific literature  
4       about climate change and it seems like  
5       almost every day that literature becomes  
6       more and more alarming about the dangers we  
7       face as a society as the impacts of climate  
8       change become more real around the world.  
9       We are truly destabilizing our civilization  
10      and are doing it faster that we imagined.  
11      Many of the conflicts we see around the  
12      planet already, whether it's in Syria or  
13      other parts of the Middle East or Africa  
14      have an underlying cause of the climate  
15      change which creates droughts, water  
16      shortages, things like that. Many of the  
17      severe weather impacts that we're seeing  
18      here in the United States, the severe  
19      storms, droughts, wildfires, again have an  
20      underlying dynamic of the climate change.  
21      This is real. It's very serious and more  
22      and more scientists from around the world  
23      are really concerned for their children's  
24      future if this continues, and so all this  
25      means is that we should be doing everything

1 we can to avert that catastrophe by  
2 reducing our fossil fuel use, by moving as  
3 quickly as we can to a clean energy economy  
4 and, of course, a project like the  
5 Icebreaker Project is one alternative that  
6 we could move towards for a clean energy  
7 economy. So I'm speaking here tonight very  
8 strongly in favor of the project and not  
9 just in favor but in the sense of urgency  
10 about it that we can't wait for projects  
11 like this. Climate change is not waiting.  
12 Nature and the physics and the climate are  
13 not waiting for us. Things are changing as  
14 we speak, so we have to move much faster in  
15 our transition to clean energy if we have  
16 hope of turning this around.

17 I also want to make the point of  
18 the urgency of doing things like this.  
19 I'll speak a little bit to the  
20 environmental community that I'm a part of.  
21 I have had colleagues who are birders and  
22 have great concern about the bird impacts  
23 that we heard mentioned tonight. To them I  
24 would say that I hope you can continue to  
25 be engaged in this process and work with

1 LEEDCo and the project, other project  
2 proponents, to work this out in a good  
3 faith effort and realize that we really  
4 won't know the impacts until we get a few  
5 wind turbines out there on the lake that  
6 can actually test and see what happens.  
7 This is a pilot project. It's an  
8 experiment and so the quicker we get the  
9 wind turbines out there and collect good  
10 data the more we'll know about those  
11 impacts. So I hope you won't hold up the  
12 project until every conceivable data point  
13 about birds is met before these things are  
14 constructed. You really have to go out  
15 there and do it before we'll find out for  
16 real.

17 I also want to state that for  
18 those who are concerned about some of the  
19 esthetic impacts, the visual impacts, of  
20 wind turbines I guess I just have no  
21 patience for that argument. If you want to  
22 see visual impact you should go down to  
23 West Virginia and look at the mountaintop  
24 where there's a coal mining operation or go  
25 down to Southeast Ohio and look at how



1 fracking, this carving of the hills and  
2 landscape of Southeast, Ohio, that is where  
3 the visual pollution is coming from is the  
4 extraction/mining of oil and coal and  
5 natural gas. That is what is really causes  
6 plight to the landscape, so, and in  
7 addition it's, as the Audubon gentleman  
8 cite, climate change is the biggest impact  
9 to birds so if you really care about birds  
10 that's what you should be caring about and  
11 hearing about. You should be supporting  
12 well-designed initiatives like this that  
13 move us more quickly towards a clean energy  
14 economy. Thank you.

15 MS. ADDISON: Thank you. Marty  
16 Ellman?

17 MR. ELLMAN: Marty Ellman. 8654  
18 River Corners Road, Homerville, Ohio.

19 - - - -

20 MARTY ELLMAN, of lawful age, being first  
21 duly sworn, testified upon his oath as follows:

22 STATEMENT BY MARTY ELLMAN:

23 I'll be as quick as I can. My  
24 name is Marty Ellman. I represent both  
25 Middough, Inc., I am employed by, and

1 myself, a life-long Northeast Ohio resident  
2 and Lake Erie boater and fisherman. I'm a  
3 registered professional engineer in the  
4 State of Ohio. I've worked in Cuyahoga  
5 County, Ohio as an engineer for the past 30  
6 years. I have been graced over the past 30  
7 years having performed power system anatomy  
8 projects for utilities,  
9 industrial/institutional manufacturing and  
10 process industries which have further  
11 developed our Northeast Ohio infrastructure  
12 and manufacturing base. As an electrical  
13 energy power system engineer very much in  
14 tune with the reliability of our electrical  
15 grid, keeping the lights on, what we all  
16 take for granted on a day-by-day basis, is  
17 my career in life and supporting and  
18 working with and I'm a huge believer in  
19 diversified mix of generation and the  
20 requirements for that from nuclear, coal,  
21 to natural gas to wind, solar, energy  
22 storage, the whole mix. It's very  
23 important. We don't keep the lights on by  
24 having one or the other. I very much  
25 believe in the responsibility of our

1 generation and our path towards the  
2 generations ahead on where we're using our  
3 fossil fuels and how we're using them as  
4 wisely as we can in this interim of mix of  
5 generation that we have and our ability and  
6 right to provide a responsible use of the  
7 natural gas and the coal resources that we  
8 have in this country. Fifteen years ago we  
9 were looking at natural gas being so void  
10 that we were looking now at ships where  
11 they have to come from other parts of the  
12 world to provide our country natural gas.  
13 Fortunately technology advances like  
14 Icebreaker and others break through and  
15 allow for production and natural gas that  
16 we have, but to go and burn that natural  
17 gas up in huge quantities for generation  
18 versus where it can be offset by utilizing  
19 projects such as wind power and solar and  
20 others have offset that use so we save that  
21 very valuable and precious fuel source for  
22 our future generations versus just  
23 consuming it right now. It's very  
24 important as a grandfather of those  
25 generations that may be going forward.

1 Currently the Middough project manager  
2 assigned to oversee the design, engineering  
3 of the LEEDCo onshore substation and  
4 connection to connect Project Icebreaker  
5 and Cleveland Public Power Lake Erie  
6 substation, I'm honored to be involved in  
7 this capacity and to be part of furthering  
8 Northeast Ohio in the renewable energy 21st  
9 century. I would like to state both our  
10 project and permitting support. We've  
11 worked closely with the program  
12 construction manager Fred Olsen Renewables  
13 in the process over the past year, very  
14 closely working with them. They're a  
15 leader in the UK offshore wind turbine  
16 project arena. Fred Olsen Renewables has  
17 come to the U.S. to help us grow this  
18 industry and associated offshore technology  
19 transfer that will make the path forward in  
20 the U.S. so much more successful. This  
21 isn't a demonstration project that's going  
22 to be a mistake on the lake. The  
23 technology going into the installation of  
24 this demonstration project is extremity  
25 sound. It's vetted on experience and the

1 European offshore market as well and I'm  
2 really proud to see that involvement and  
3 that level of competence on the project as  
4 well. It's worth stating, in addition to  
5 myself and the Middough organization and  
6 employees of Middough currently working on  
7 Icebreaker are ecstatic to be part of it.  
8 We look forward to being a part of growing  
9 our national energy future, generating  
10 clean reliable power hopefully, and  
11 consumed locally by industries,  
12 institutional facilities, businesses and  
13 homes. Thank you.

14 MS. ADDISON: David McCall?  
15 Michael Melanjay? I apologize if I  
16 mispronounce that.

17 MR. MELANJAY: I'm Michael  
18 Melanjay. I reside at 143 West Bridge in  
19 Berea, Ohio.

20 - - -

21 MICHAEL MELANJAY, of lawful age, being first  
22 duly sworn, testified upon his oath as follows:

23 STATEMENT BY MICHAEL MELANJAY:

24 I'm a retired professor of biology  
25 at Baldwin-Wallace University and long-time

1 member of the Sierra Club. I would like to  
2 address the concerns of the potential harm  
3 to wildlife posed by locating the turbines  
4 on Lake Erie. The scientific literature  
5 clearly indicates that poorly-sited wind  
6 turbines can harm wildlife including birds  
7 and bats and I think given the status of  
8 Lake Erie as having one of the most  
9 important migratory bird pathways in the  
10 world that there is a legitimate concern  
11 that turbines on the lake could harm at  
12 least birds.

13         However, the Icebreaker Project is  
14 a demonstration project and it would  
15 provide very very critical information to  
16 allow us to really assess the impact that  
17 wind turbines have on wildlife. Without  
18 placing turbines out there I don't think we  
19 could ever really get a firm idea of what  
20 the impact is going to be, so I support the  
21 project and hope it will be done with  
22 transparency and with a great deal of care  
23 in the monitoring of wildlife impacts. I  
24 think if we do this we can build alliances  
25 across a variety of stakeholders including

1 some of the bird conservation groups that  
2 will move wind power ahead much faster on  
3 the Great Lakes than it would be otherwise.

4 MS. ADDISON: Thank you. Aaron  
5 Godfrey?

6 MR. GODFREY: My name is Aaron  
7 Godfrey. 1507 Hunters Chase Drive,  
8 Westlake.

9 - - - -

10 AARON GODFREY, of lawful age, being first  
11 duly sworn, testified upon his oath as follows:

12 STATEMENT BY AARON GODFREY:

13 So thank you for giving me the  
14 opportunity to speak today. I wanted to  
15 take a few minutes to voice my support for  
16 this offshore wind farm, and further I want  
17 to press all of our current and future  
18 leaders to support projects like this in  
19 the future whether you're representatives,  
20 mayors, governors, senators, councilmen,  
21 whatever. As a physicist, a candidate for  
22 Congress in Ohio's 16th district, an  
23 environmentalist and a concerned citizen I  
24 cannot express enough my enthusiasm for and  
25 endorsement of this project. The most

1 important reason I think everyone should  
2 get behind this facility is the possible  
3 effect it could have on jobs in the region  
4 which has already been touched on a lot, I  
5 know, but the turbines used were imported,  
6 to my understanding, because only one part  
7 of the world has made a concerted effort to  
8 develop offshore wind. If we allow this  
9 project to continue and use Lake Erie as a  
10 proof of concept for freshwater wind we can  
11 start a new industry right here in  
12 Northeastern Ohio. Beyond that, the region  
13 itself is just spectacularly well  
14 positioned not to just provide a home for  
15 the turbines in Lake Erie but to  
16 manufacture and export them across the  
17 country and the world if we get the  
18 opportunity. Being able to manufacture the  
19 windmills in America and especially right  
20 here in Ohio will vastly improve the  
21 feasibility of future projects and I think  
22 just the jobs alone is a super important  
23 and needs to be stressed a lot here.

24 The second reason I would ask  
25 everyone to support this project is because



1 climate change is real. It doesn't matter  
2 whether you believe in it, science doesn't  
3 require your opinion, and it's happening  
4 one way or the other, so we have to find a  
5 way to combat it and I know this is a  
6 start, a signal to the rest of the world  
7 that we have the intent to tackle the  
8 problem ourselves. It adds to our nation's  
9 overall renewable energy portfolio while  
10 establishing a precedent for the  
11 establishment of renewable energy resources  
12 wherever they can be built whether it's in  
13 Lake Erie, in the desert in Arizona or the  
14 Rocky Mountains, wherever. Additionally,  
15 the proof of this project's feasibility  
16 will amplify these effects while creating  
17 more jobs as more offshore projects are  
18 approved. I'll stop by saying this my  
19 first time in the room. I like the mural.  
20 I like the last few words up there. I  
21 think we can live up to those with this  
22 project, embrace and enlighten the vision  
23 of humanity, I guess, by embracing the  
24 future, and beyond that we can live up to  
25 the promise by leaving the city and the

1 region in a better place than we found it.

2 Thank you.

3 MS. ADDISON: J.P. Ducro?

4 AUDIENCE MEMBER: I think he left.

5 MS. ADDISON: Helen Taft? Grant  
6 Goodrich?

7 MR. GOODRICH: Hi. My name is  
8 Grant Goodrich. 2107 Monroe Avenue,  
9 Cleveland, Ohio.

10 - - - -

11 GRANT GOODRICH, of lawful age, being first  
12 duly sworn, testified upon his oath as follows:

13 STATEMENT BY GRANT GOODRICH:

14 Good evening members of the Ohio  
15 Power Siting Board. Thank you for giving  
16 me an opportunity to speak tonight. My  
17 name is Grant Goodrich. I'm the associate  
18 director of the Great Lakes Energy  
19 Institute at Case Western Reserve  
20 University. We're a research institute  
21 dedicated to the new and innovative  
22 technology on energy. I'm here to state my  
23 personal and professional support for the  
24 Icebreaker Wind Project. Most of what I  
25 intended to say has already been covered so

1 I'll be brief. We do expect that this  
2 project will demonstrate the viability of  
3 offshore wind on Lake Erie paving the way  
4 for bigger jobs and offshore wind industry  
5 in Cleveland and a clean source of energy.  
6 By clean I specifically mean a source of  
7 electricity that does not emit carbon  
8 dioxide or greenhouse gases that are  
9 contributing to a change in climate.

10 Two things I would like to bring  
11 up that have not been covered already  
12 tonight, Case Western Reserve University  
13 has had three funded research projects  
14 already with LEEDCo to include one that is  
15 ongoing looking at different challenges  
16 posed by the project. In the knowledge  
17 economy that we enjoy today it's the kind  
18 of university industry interaction that  
19 leads to innovation and can have tremendous  
20 benefits for the region's economy,  
21 university and for our industry. These are  
22 the kinds of opportunities that Cleveland  
23 needs.

24 The second point I would like to  
25 bring up is that large companies

1 increasingly are demanding that their power  
2 be provided by renewable energy. As we saw  
3 in an announcement last month from General  
4 Motors they announced that they were making  
5 power purchase agreements for 200 megawatts of  
6 wind power to supply seven manufacturing  
7 facilities despite the fact that a  
8 wind/natural gas power plant is built in  
9 Lordstown the Lordstown Chevy plant will be  
10 powered by wind power. Companies are  
11 expecting that access to renewable energy  
12 be part of their siting decisions as they  
13 think about where they locate their  
14 operations and facilities. In closing I  
15 strongly recommend the members of the Ohio  
16 Power Siting Board approve Project  
17 Icebreaker. Thank you.

18 MS. ADDISON: John Colm? John  
19 Colm?

20 MR. WALSTRA: Jen Ham? I may be  
21 mispronouncing that last name. Jennifer  
22 Marriott?

23 AUDIENCE MEMBER: She left.

24 MR. WALSTRA: Bill DeVito?  
25 Suzanne Reilly?

1 MS. REILLY: Hello. My name is  
2 Suzanne Reilly. 17475 Shaw Avenue,  
3 Lakewood Ohio 44107.

4 - - - -

5 SUZANNE REILLY, of lawful age, being first  
6 duly sworn, testified upon her oath as follows:

7 STATEMENT BY SUZANNE REILLY:

8 I'm a child of the 50s and 60s.  
9 When I was in elementary school President  
10 Kennedy spoke about America landing a man  
11 on the moon. The year I graduated high  
12 school, we did. The LEEDCo company, I had  
13 started watching when it seemed like they  
14 had just gotten the idea and I followed  
15 them through their journey to build the  
16 first wind project in freshwater on Lake  
17 Erie. The Icebreaker Project is an event  
18 whose time has come. Since first hearing  
19 of the Icebreaker Project I have attended  
20 informational sessions, open houses, and  
21 speaking engagements. I have watched and  
22 read about their efforts. I have seen  
23 every "t" crossed and "i" dotted. They  
24 have done study after study showing that  
25 they have planned and researched to do the

1 best possible project to bring a clean  
2 energy future to Cleveland and Northeast  
3 Ohio. I strongly support the Icebreaker  
4 Wind Project and look forward to its  
5 completion. Thank you.

6 MR. WALSTRA: Thank you. Anand  
7 Natarajan?

8 MR. NATARAJAN: I'm Anand  
9 Natarajan.

10 - - - -

11 ANAND NATARAJAN, of lawful age, being first  
12 duly sworn, testified upon his oath as follows:

13 STATEMENT BY ANAND NATARAJAN:

14 I'm the City of Cleveland's energy  
15 manager and I work out of the Office of  
16 Sustainability and I'm here to support,  
17 strongly support, the Icebreaker Wind Power  
18 application. The Great Lakes region  
19 actually significant potential for offshore  
20 wind, about 700 megawatts offshore wind,  
21 and the Icebreaker Wind Offshore Project is  
22 just one project that is going to be  
23 located eight to ten miles off the shores  
24 of Cleveland, Ohio but it will allow us to  
25 expand on this and advance the level of

1 offshore, this significant clean energy  
2 resource in Lake Erie. It's also going to  
3 improve our air quality. It's an important  
4 action in our plan of action, as we have  
5 heard a lot about clean energy, so the  
6 Icebreaker Project is going to create a  
7 significant number of jobs, right here  
8 local jobs in this region and one way or  
9 the other we're going to get offshore wind  
10 in Ohio so we may as well be the first to  
11 bring that here to Ohio. The Icebreaker  
12 project as you have heard as already  
13 received strong support from the local  
14 governments, residents, and businesses and  
15 from the Cleveland Public Power which is  
16 already committed to buying power from this  
17 project and this is one of the reasons why  
18 the U.S. Department of Energy had already  
19 awarded a grant, 10 million dollars has  
20 been awarded and pending 20 million dollars  
21 more. So based on all this certificate  
22 energy management conference for tonight I  
23 strongly support this project. Thank you.

24 MR. WALSTRA: Joanne Scudder?

25 MS. SCUDDER: I'm Joanne Scudder,

1 Cuyahoga County Agricultural Society.

2 - - - -

3 JOANNE SCUDDER, of lawful age, being first  
4 duly sworn, testified upon her oath as follows:

5 STATEMENT BY JOANNE SCHUDDER:

6 Thank you for allowing me to speak  
7 before you, the Ohio Power Siting Board. I  
8 am the director of sustainability with the  
9 Cuyahoga County Agricultural Society. We  
10 in 2009 started a journey of our own and  
11 partnered with Cuyahoga County to obtain a  
12 wind turbine. In 2009 we were lucky enough  
13 to win some state funds to put up a wind  
14 turbine and the county funded a  
15 2,000-square-foot energy education project,  
16 so I speak to you from a little bit  
17 different angle than others in the room. I  
18 speak to you from the value of the  
19 education end, the iconic aura of that wind  
20 turbine that we have. We have a 500kw  
21 turbine on the fairgrounds in Berea. We  
22 have half a million people that come to our  
23 fairgrounds every year to visit various  
24 events that are hosted there and every one  
25 of them that come onto the fairgrounds can



1 see that wind turbine in full view. We  
2 have had this year to date about 72 tours  
3 that come to see the turbine. They come to  
4 look at the exhibits at the energy  
5 education center. They can view a live  
6 data screen and there is also a camera on  
7 the turbine all the time that be accessed  
8 by the website. We have tons of people  
9 that see the turbine from the freeway and  
10 drive to it, they tell me that story all  
11 the time, and for many of our events we  
12 have the energy education center open. We  
13 work with nursing homes, preschools, young  
14 scholar programs. We have students that  
15 come from as far away as Perry, Ashtabula,  
16 Painesville to spend the day with us to  
17 learn about clean renewable energy. Our  
18 initial goals were to demonstrate the  
19 benefits of renewable energy and especially  
20 wind energy and to show the environmental  
21 compatibility between wind turbines and the  
22 environment. It has been in terms of  
23 success for the fairgrounds not only does  
24 it generate electricity that reduces our  
25 bills but it gives our community and

1 communities from far away the opportunity  
2 to get up close and personal to a wind  
3 turbine. We walk them out there to be  
4 closer to it to see it. As I said, they  
5 can see the live data and each one of them  
6 goes home with maybe a different  
7 perspective on it. I recommend from the  
8 agricultural society and I bring to you  
9 their vote as well and highly support this  
10 project with hopes that the Ohio Power  
11 Siting Board goes forward with it. Thank  
12 you.

13 MR. WALSTRA: Mike Stevens? Steve  
14 Dever?

15 MR. DEVER: Good evening. 2126  
16 was Wooster Road, Rocky River.

17 - - - -

18 STEVE DEVER, of lawful age, being first duly  
19 sworn, testified upon his oath as follows:

20 STATEMENT BY STEVE DEVER:

21 Good evening. I recognize the  
22 lateness of the hour. Dear members of the  
23 Ohio Power Siting Board. My name is Steve  
24 Dever. I serve as the Cuyahoga County  
25 board member for LEECo and prior to the

1 formation of LEEDCo I served as the  
2 executive director of Great Lakes Energy  
3 Development Task Force. This group was  
4 formed by the Cuyahoga County government in  
5 2006 to explore advanced energy as an  
6 economic development concept for the  
7 region. Since 2006 the Energy Task Force  
8 has conducted over 70 public meetings from  
9 Avon to Ashtabula to review questions  
10 related to the development of offshore wind  
11 turbines deployed in the waters of Lake  
12 Erie. The Energy Task Force funded by the  
13 Generation Foundation, Cleveland  
14 Foundation, Case Western Reserve  
15 University, the City of Cleveland and  
16 Cuyahoga County advanced over one million  
17 dollars for a feasibility study to evaluate  
18 all of the issues related to offshore wind.  
19 In April of 2009 the final report was  
20 issued that addressed many of the  
21 engineering issues, logistics related to  
22 deployment of turbines as well as the  
23 communities committed to protecting the  
24 environment. Included in the feasibility  
25 study were reports from environmental

1 experts related to fish as well as birds  
2 and bats. Since that time additional funds  
3 have been expended for follow-up studies  
4 related to fish habitat as well as bird  
5 migration bat habitat being at the proposed  
6 site. The final recommendation of the  
7 Energy Task Force was to support the  
8 development of wind energy, the pilot  
9 project offshore downtown Cleveland, as an  
10 innovative approach to evaluating offshore  
11 wind as a viable energy generation source  
12 with little adverse economic or environment  
13 consequences. We recognize that a solid  
14 business case must be made for renewable  
15 lake wind independent with other generation  
16 sources. Through the deployment of a pilot  
17 project many questions may be answered  
18 concerning environmental issues with post  
19 construction studies so the public could be  
20 adequately informed and that the great  
21 resource may be protected. The objective  
22 is to support responsible energy generation  
23 that can provide direct economic benefits  
24 to the community and to protect the  
25 environment. We're determined not to put

1 the state in the (inaudible). The process  
2 that LEEDCo has followed has been open and  
3 transparent. This is truly a public  
4 partnership that demonstrates that it is  
5 worthy of community support. We  
6 respectfully request that you approve the  
7 Icebreaker application. Thank you.

8 MS. ADDISON: Thank you. Semea  
9 Bray?

10 AUDIENCE MEMBER: She had to  
11 leave.

12 MR. WALSTRA: Thank you.

13 MS. ADDISON: Sammy Quick? Tom  
14 Shope? Herb Crowther?

15 MR. CROWTHER: Good evening. My  
16 name Herb Crowther. I'm a resident of the  
17 Cleveland suburbs and I have a business in  
18 downtown Cleveland at 1768 East 25th  
19 Street, 44114.

20 - - - -

21 HERB CROWTHER, of lawful age, being first  
22 duly sworn, testified upon his oath as follows:

23 STATEMENT BY HERB CROWTHER:

24 10 years ago when this project was  
25 first conceived I was a workhorse in

1 economic development consultant for the  
2 Center for Regional Economic issues at Case  
3 Western Reserve University. In that  
4 capacity I served on the Cuyahoga County  
5 Blue Ribbon Task Force and when this  
6 project came to the task force we  
7 recognized that the task force was the  
8 ideal civic platform for an opportunity  
9 with so much potential but also so much  
10 complexity and through that task force and  
11 the founders of LEEDCo they moved forward  
12 to organize professionals, residents,  
13 elected officials and businesses not just  
14 within Cuyahoga County but across the other  
15 contiguous counties on the Lake Erie  
16 shoreline and throughout the region and  
17 this is very important because of the  
18 challenge associated with the legal,  
19 environmental, ecological, and technical  
20 issues of solving a problem which no one  
21 else has solved, and specifically  
22 freshwater utility-scale wind generation.  
23 And today I come to you not just as a  
24 resident of the community but also as an  
25 entrepreneur and president of an early

1 stage company that's developing stationary  
2 energy storage technology for the grid and  
3 for integration of renewable energy on and  
4 off the grid, and I applaud what LEEDCo has  
5 accomplished through the 10 years of  
6 pushing through barriers and bringing the  
7 community together to pursue this  
8 opportunity, and most of what I heard said  
9 about the economic benefits and the need  
10 for Cleveland to be a leader rather than a  
11 follower and to be a cool place and to  
12 develop the ecosystem for entrepreneurs and  
13 energy companies to locate here in  
14 Northeast Ohio and to be the leaders that  
15 parties from around the world will come to  
16 to learn from us and to deploy solutions  
17 that we develop here in Ohio, but I would  
18 like to end with an aspirational testimony  
19 paraphrasing what someone else already  
20 referred to and that's President Kennedy's  
21 speech 35 years ago about why we choose to  
22 go to the moon, and if you substitute "go  
23 to the moon" with the words, "replace dirty  
24 energy with clean energy" for the sake of  
25 future generations, nothing could be more

1 appropriate. He said, "We choose to go to  
2 the moon in this decade and do the other  
3 things not because they are easy but  
4 because they are hard because that good,  
5 that goal will serve to organize and  
6 measure the best of our energies and skills  
7 because that challenge is one that we are  
8 willing to accept, one that we're unwilling  
9 to postpone and one that we intend to win."

10 And I think that that's our goal with the  
11 Icebreaker Project. Thank you.

12 MS. ADDISON: Thank you. Jocelyn  
13 Travis?

14 MS. TRAVIS: Jocelyn Travis. 432  
15 East 109 Street, Cleveland, Ohio.

16 - - - -

17 JOCELYN TRAVIS, of lawful age, being first  
18 duly sworn, testified upon her oath as follows:

19 STATEMENT BY JOCELYN TRAVIS:

20 Good evening. I am a life long  
21 resident of Cleveland and I'm part of a  
22 wonderful team of people in Cleveland  
23 working on a campaign to move our city away  
24 from dirty outdated fossil fuels and commit  
25 to 100 percent clean energy. Our goal in



1 Cleveland is to achieve 100 percent  
2 carbon-free electric sector by 2035 and  
3 sector wide by 2050. We believe that  
4 Cleveland can be a world leader by  
5 implementing our vision of 100 percent  
6 clean energy for a healthy, economically  
7 vibrant equitable and just Cleveland.  
8 Numerous members of our team are joining  
9 with me today to commend LEEDCo for having  
10 the vision and leadership to understand the  
11 importance of saving the environment  
12 through the Icebreaker Wind Project. We  
13 applaud the efforts of LEEDCo in obtaining  
14 a 40-million-dollar grant from the  
15 Department of Energy to provide a  
16 freshwater offshore wind farm in Lake Erie.  
17 The fact that this project will provide  
18 jobs, improve health conditions, and  
19 support local manufacturers while cleaning  
20 up our environment is a win-win for the  
21 total community. According to the American  
22 Lung Association the region ranks 11th in  
23 the country for particulate pollution which  
24 increases risk for heart disease, lung  
25 disease and asthma. Particulate pollution

1 can also interfere with the healthy  
2 development of children's respiratory  
3 systems and can cause premature death. We  
4 have just learned that Cleveland rates  
5 number one in premature deaths in our  
6 country. Sadly, low-income children are  
7 far more likely to be afflicted with asthma  
8 from dirty air and those same families  
9 struggle to pay their utility bills often  
10 having to choose between utility service  
11 and other necessities like medicine and  
12 groceries. Cleveland is the 10th worst  
13 city in the U.S. for energy cost burden on  
14 low-income and minority households.

15 The good news is that we have the  
16 opportunity to protect our environment and  
17 reduce pollution for Cuyahoga County  
18 residents while also creating good green  
19 jobs. Northeast Ohio is already a leader  
20 in wind and solar jobs, and this investment  
21 will help drive even more growth in the  
22 clean tech job sector. If Ohio is to make  
23 any progress it must begin in Cleveland.  
24 It is vital that we transform to 100  
25 percent clean and renewable energy. The

1 Icebreaker Project will create green jobs,  
2 improve health issues and ensure a cleaner  
3 healthier community for all. We encourage  
4 future investment in wind power, solar  
5 energy, geothermal energy, energy  
6 efficiency and low-come weatherization.

7 Thank you so much for providing me the  
8 opportunity to share my comments, and I  
9 urge the support of the Ohio Power Siting  
10 Board to do all possible to create a  
11 brighter, healthier and 100 percent clean  
12 community with the help of the Icebreaker  
13 Wind Project.

14 MS. ADDISON: Thank you. James  
15 Madtorkis?

16 MR. MADTORKIS: James Madtorkis,  
17 M-A-D-T-O-R-K-I-S. 27445 Pineview Drive,  
18 Westlake, Ohio 44115.

19 - - - -

20 JAMES MADTORKIS, of lawful age, being first  
21 duly sworn, testified upon his oath as follows:

22 STATEMENT BY JAMES MADTORKIS:

23 So thank you for giving me a  
24 chance to talk. I come here with Jocelyn.  
25 My main sources of energy in life are art,

1 activism and landscaping so no one wants to  
2 see 100 renewable energy more than I do. I  
3 make purchasing decisions with reducing  
4 carbon footprints in mind. This is a  
5 driving force in my life so I really want  
6 to see this project get off the ground and  
7 I want to help contribute to that  
8 happening. At the same time one thing I  
9 have noticed through landscaping and art  
10 especially that when you mess with things  
11 that you haven't like interacted with yet  
12 you have to do it really carefully and  
13 really sensitively, and that's why I think  
14 it's good we're starting this with like six  
15 turbines and with a mind to researching the  
16 impacts that these six turbines have and  
17 with sort of like an eye on flexibility in  
18 the future. Like if we see that 40 percent  
19 of the birds are really having problems  
20 migrating maybe we can shut the turbines  
21 down when it's time for them to migrate or  
22 like, you know what I mean, like maybe if  
23 we're seeing small impacts with six we  
24 don't want to go right ahead to 6,000  
25 without stepping it up gradually because

1 when you work with nature you have to like  
2 be sensitive every step of the way. When  
3 you work with industry sometimes it's  
4 really easy to just be like "Yes, 6,000,"  
5 or something like that. So that's what my  
6 hopes are and what my concerns are and I  
7 really appreciate you giving me an  
8 opportunity to talk.

9 MS. ADDISON: Harriet Applegate?

10 MS. APPLGATE: Harriet Applegate.

11 I live at 1522 Crest Road, Cleveland  
12 Heights, Ohio 44121.

13 - - - -

14 HARRIET APPLGATE, of lawful age, being  
15 first duly sworn, testified upon her oath as  
16 follows:

17 STATEMENT BY HARRIET APPLGATE:

18 My name is Harriet Applegate and I  
19 am the executive secretary of the North  
20 Shore AFL-CIO Federation of Labor. We  
21 represent about 55,000 active members and  
22 an awful lot of retired members. Probably  
23 as many retirees started even in their 30s  
24 and 40s and on up. Most important to the  
25 union is, of course, jobs, but not just any

1 jobs. We want good jobs, jobs that are  
2 family supporting and jobs with benefits.  
3 Most often this comes in the form of union  
4 jobs but not necessarily because where  
5 there is union density all jobs are better,  
6 the direct result of that very density. Of  
7 the many hundreds of jobs that will be  
8 created by and through this project even  
9 though they may end up non-union will be  
10 better paying if the primary or core jobs  
11 are union.

12 Union members are not solely  
13 concerned with jobs. We also care deeply  
14 about the communities where we live and the  
15 Icebreaker Project is one of the best  
16 things that could happen to our larger  
17 community. It focuses attention on our  
18 best and least appreciated resource - water  
19 and our lake. It trains our eyes on the  
20 future and the necessity of finding local  
21 and sustainable sources of energy. It puts  
22 Northeast Ohio on the map by making us a  
23 trailblazer and, even better, our very  
24 trailblazing is good for our local economy  
25 because due to us being the first

1 freshwater project there will be lots of  
2 maintenance challenges with the eyes in  
3 freshwater that promise jobs into the  
4 future.

5 The Icebreaker Project coheres  
6 very well with the strategic, long-term  
7 plans of the Port Authority and indeed with  
8 the whole of Northeast Ohio given our  
9 community commitment to manufacturing.

10 Nothing can spur manufacturing growth  
11 better than having a new technology in an  
12 even newer setting, freshwater, which will  
13 need constant refinement and adjustment.

14 It shouldn't be long before we have  
15 hundreds of turbines in the lake and this  
16 will spur local sourcing of materials which  
17 in turn will make our manufacturing economy  
18 boom. We in the labor movement are  
19 strongly committed to a manufacturing  
20 economy. This project is our best chance  
21 of getting that on a scale that will  
22 provide enough good jobs to bring our  
23 residents out of poverty, and we have many  
24 residents in poverty, and bring Cleveland  
25 back to its former glory.

1           In short, this experimental  
2           project which will hopefully become a large  
3           array with hundreds of turbines on the lake  
4           is a win-win for everyone in Northeast  
5           Ohio.

6           In Lakeview Cemetery not 200 yards  
7           apart stand two towering monuments to two  
8           giants, both of them, interestingly, giants  
9           of energy - John D. Rockefeller and Charles  
10          F. Brush. Though the oil man is better  
11          known just for oil, it was Brush who first  
12          illuminated the first city in the world  
13          with a windmill and that city was  
14          Cleveland, Ohio. Let us live up to that  
15          great legacy by making sure the world's  
16          first freshwater wind turbines get erected  
17          just north of Cleveland on Lake Erie.  
18          Thank you.

19               MS. ADDISON: Linda New?

20               MS. NEW: Hello. My name is Linda  
21               New. I live at 26367 Locust Drive,  
22               Olmstead Falls.

23               - - - -

24               LINDA NEW, of lawful age, being first duly  
25               sworn, testified upon her oath as follows:



1           STATEMENT BY LINDA NEW:

2           I have been given about 60  
3       letters. We'd like their voices to be  
4       heard at this meeting so I'm going to read  
5       this letter then I'll give you this stack.  
6       Ohio has now an opportunity to launch the  
7       first offshore freshwater wind project in  
8       North America. The Great Lakes hold enough  
9       wind energy to power our state. We must  
10      take advantage of this chance to move ahead  
11      and become a leader in clean energy  
12      production. We can build an industry and  
13      supply chain in Northeast Ohio that will  
14      create 8,000 new jobs and bring nearly \$14  
15      billion into our economy by 2030 with the  
16      potential for creating tens of thousands  
17      more jobs as the industry grows. As a  
18      point of comparison Europe's offshore wind  
19      industry employs nearly 100,000 people and  
20      is growing.

21           The Icebreaker Wind Project has  
22      been studied and reviewed by the U.S.  
23      Department of Energy, the Ohio Department  
24      of Natural Resources, the U.S. Fish and  
25      Wildlife Service, the Cleveland Water

1 Department, and numerous other  
2 organizations. The studies have concluded  
3 that the project will result in no  
4 significant environmental impacts.

5 These turbines will be placed six  
6 to ten miles offshore farther into the lake  
7 than the Cleveland Crib water intake and  
8 will be only visible as small white objects  
9 far in the distance, appearing much smaller  
10 than the many sailboats we see every day on  
11 the water. Ohio relies on fossil fuels for  
12 over 80 percent of its electric power. By  
13 adding wind as a source of safe,  
14 sustainable energy, we add fuel diversity,  
15 energy security, and reliability.  
16 Additionally Northeast Ohio has received an  
17 "F" grade for air pollutants that are  
18 linked to asthma, heart attacks, and  
19 premature death. Developing Ohio's huge  
20 offshore wind potential will reduce harmful  
21 air pollution and will improve the health  
22 of our community. Generating electricity  
23 with wind power will also help reduce the  
24 pollution that has lead to climate change,  
25 linked to more severe hurricanes,

1 wildfires, and other extreme weather events  
2 that we have experienced in recent years.  
3 We have an opportunity to become leaders in  
4 the field of clean sustainable energy  
5 production. I urge you to approve the  
6 Icebreaker Wind Project and help move Ohio  
7 forward. Thank you.

8 MS. ADDISON: Thank you. That  
9 concludes the list of names of people that  
10 signed up prior to this hearing this  
11 evening. I just want to open the floor for  
12 anyone who did not have the chance to  
13 provide a statement if they would like to.  
14 I didn't think we missed anyone but I just  
15 wanted to be sure.

16 I want to again thank you all for  
17 your patience this evening. Your comments  
18 will be submitted on the docket for the  
19 board's consideration in this matter. We  
20 truly appreciate you taking the time to  
21 come out tonight and let us know how you  
22 feel about the application. I would  
23 encourage everyone to continue keeping  
24 updated with the case, and that case number  
25 once again, if you just want to jot it

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1 down, it's 16-1871-EL-EGN, and we can also  
2 let you know how to access any filings that  
3 are filed in the docket for this case.

4 Myself and Mr. Walstra as well as  
5 the other board staff will be sticking  
6 around for a little bit after this hearing  
7 to answer any questions that you may have,  
8 general questions or questions about the  
9 application, about the process, so please  
10 feel free to approach us with those  
11 questions, and thank you once again and  
12 with that we are adjourned.

13 - - - -

14 (Adjourned.)

15 - - - -

C E R T I F I C A T E

I, Sandra L. Rice, a Notary Public within  
and for the State of Ohio, do hereby certify that  
I attended the foregoing hearing in its entirety,  
that I wrote the same in stenotypy, and that this  
is a true and correct transcript of my stenotype  
notes.

IN WITNESS WHEREOF, I have hereunto set my  
hand and seal of office, at Cleveland, Ohio, this  
20th day of November, 2017.

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Sandra L. Rice, Notary Public, State of Ohio  
780 Skylight Office Tower, Cleveland, Ohio 44113  
My commission expires September 26, 2019

# **Transcript of Proceedings - November 08, 2017 Deposition**

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**in**

**Case No(s). 16-1871-EL-BGN**

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