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STATE OF NEW HAMPSHIRE

SITE EVALUATION COMMITTEE

March 26, 2015 - 7:00 p.m.  
Antrim Town Hall  
66 Main Street  
Antrim, New Hampshire

IN RE: SEC DOCKET NO. 2015-02  
ANTRIM WIND ENERGY, LLC:  
Public Information Session  
held pursuant to RSA 162-H:10  
regarding a proposed nine (9)  
turbine wind energy facility  
to be located in Antrim and  
for which AWE intends to submit  
an Application for a Certificate  
of Site and Facility pursuant to  
RSA 162-H:7.  
*(Presentation provided by AWE  
and public comments received)*

**PRESIDING:** Harry Stewart, Moderator

COURT REPORTER: Steven E. Patnaude, LCR No. 52

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**NOTED AS PRESENT:**

**Counsel for the Applicant:** Barry Needleman, Esq.  
(McLane Graf Raulerson & Middleton)

Jack Kenworthy (Eolian/AWE)  
Drew Kenworthy (Eolian/AWE)  
Travis Bullard (Eolian/AWE)

**Counsel for the Public:** Mary Maloney, Esq.  
Senior Asst. Atty. General  
N.H. Attorney General's Office

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24**I N D E X****PAGE NO.**

Presentation by Jack Kenworthy (AWE/Eolian) 8

**PUBLIC STATEMENTS BY:**

Karen Weisswange 31

Al Weisswange 32

Peter Beblowski 33

Wes Enman 33

Robert Cleland 34

Tim Perry 35, 47

David Ayer 37

Huck Montgomery 37

Fred Ward 38, 51

Elsa Voelcker 40, 54

Steve Autenreith 41

Barbara Gard 43

Brian Beihl 46

Richard Block 47, 53

Janice Longgood 50

## P R O C E E D I N G

*(Meeting commenced at 7:10 p.m.)*

1  
2  
3 MR. STEWART: Good evening. If  
4 everybody could take your seats, we'll get going. It  
5 looks like this is about what we have, so, we'll begin the  
6 public information session.

7 So, I have a prepared statement that I  
8 will make. And, then, the way this is going to work is I  
9 will make a prepared statement as the moderator; Jack  
10 Kenworthy will make a technical presentation; and then we  
11 will receive comments from the public for the record.  
12 This is all being done with a stenographer. So, as I will  
13 in my prepared statement, talk slowly and be as concise as  
14 you can when you have the opportunity to comment.

15 So, thank you for coming to this public  
16 information session. My name is Harry Stewart. And, I am  
17 former Director of the Water Division at the New Hampshire  
18 Department of Environmental Services. I was a member of  
19 the New Hampshire Site Evaluation Committee for many  
20 proceedings. And, I'm now retired from state service.  
21 Antrim Wind Energy requested that I can come and moderate  
22 tonight's public information session, which will address a  
23 wind energy project that AWE proposes to construct here in  
24 Antrim. Many here in this room are already familiar with

1 AWE's previous proposal to construct a wind energy  
2 facility in Antrim. I sat on the SEC when it reviewed  
3 Antrim's previous application. And, as moderator, I have  
4 all the equipment I need: I have my throat lozenges, my  
5 water, and my stopwatch.

6 Antrim Wind Energy is holding this  
7 public information session in accordance with New  
8 Hampshire Statute RSA 162-H:10. Under RSA 162-H:10, an  
9 applicant that intends to submit an application for a  
10 certificate to the Site Evaluation Committee must hold a  
11 public information session at least 30 days prior to  
12 filing the application. As you will hear during Mr.  
13 Kenworthy's presentation, AWE has made a variety of  
14 changes to its previous proposal, and now intends to  
15 submit a new application for a wind energy facility in  
16 Antrim. He will present information regarding the revised  
17 proposal tonight. AWE's presentation will last  
18 approximately 30 minutes.

19 RSA 162-H:10 requires that AWE then  
20 receive comments from the public. To that end, we have a  
21 sign-up sheet, so that folks can present their comments in  
22 order of signing up. If you've not signed up yet, but  
23 wish to provide comment, please see Travis in the back --  
24 raise your hand, Travis -- and he will see that you get

1 signed up. AWE also welcomes your written comments this  
2 evening, and you can provide those to Drew Kenworthy --  
3 Drew, stand up -- who's also in the back.

4 Following AWE's presentation, public  
5 comments, in the order on the sign-up sheet, will be  
6 presented by you all. I will call the name of each person  
7 who has signed up, and then, in turn, you will be given  
8 the opportunity to speak. It's important that we have an  
9 orderly process, because this public information session  
10 is being recorded by a stenographer. This, too, is  
11 required by the statute. So, we can't have multiple  
12 people talking at once, because the stenographer will not  
13 be able to record what you are saying. The stenographer  
14 will make a written record of this public information  
15 session, and AWE will provide that record with its  
16 application to the Site Evaluation Committee.

17 So, when your name is called, please  
18 speak clearly into the microphone, so that Steve can hear  
19 and understand what you are saying. We also ask that you  
20 limit your initial comments to three minutes, so that  
21 everyone has a chance to speak, hence, the stopwatch. If  
22 you need to go beyond three minutes, you're welcome to  
23 come back after everyone has had an opportunity to speak.  
24 I will -- I would ask, though, that everyone be respectful

1 for everyone else's time.

2 Please note that the primary purpose of  
3 the public information session is for AWE to receive  
4 comments from the public. There will not be a  
5 question-and-answer session. And, I would ask that you  
6 refrain from asking questions during the comment period.  
7 There will be opportunities to ask questions of AWE  
8 regarding the Project after it submits its application.  
9 Also, I should note that Jack Kenworthy and his team are  
10 available to answer any questions that you have. And, he  
11 has cards in the back, and you can call him with questions  
12 outside of this public information session.

13 Under state law, specifically, RSA  
14 162-H:10, if the SEC accepts jurisdiction and accepts the  
15 application, there will be at least two more opportunities  
16 for comment. Within 45 days after application submission,  
17 AWE will hold a second public information session in  
18 Antrim, much like this one, except the presiding officer  
19 for this information session will be either the presiding  
20 officer of the SEC for this Project, or a designee.

21 Then, within 90 days after application  
22 acceptance, the Site Evaluation Committee itself will hold  
23 a formal public hearing, where the public can ask  
24 questions of the applicant, as well as provide comments.

1                   So, while your comments are welcome  
2 tonight, please note that this will not be your only  
3 opportunity to comment on the record on this Project, if  
4 the SEC takes jurisdiction.

5                   Please also note that AWE has also  
6 petitioned the SEC to take jurisdiction over the facility  
7 that will be presented tonight. The Board of Selectmen  
8 and a group of voters have also petitioned the SEC to take  
9 jurisdiction. The ongoing jurisdictional proceeding is  
10 not the subject of tonight's public information session.  
11 This is a separate proceeding that must occur before AWE  
12 can file its application. AWE will only be able to file  
13 its application if the SEC agrees to take jurisdiction of  
14 the Project in that jurisdictional proceeding.

15                   So, again, thank you for being here  
16 tonight. And, with that, I now invite Jack Kenworthy up  
17 to provide an overview of the Project, before we accept  
18 oral comments.

19                   MR. KENWORTHY: Thank you, Harry. And,  
20 thank you, everybody, for your time tonight. As Harry  
21 said, my name is Jack Kenworthy. I'm here representing  
22 Antrim Wind Energy. And, I'm just going to dive right in  
23 and do my best to do as Harry said and keep the  
24 presentation to about 30 minutes.

1                   So, a quick background on Antrim Wind  
2 Energy as an entity. Antrim Wind Energy is a company that  
3 was formed in 2009. The company was formed for the  
4 purpose of developing, owning, and operating the Antrim  
5 Wind Energy Project. Antrim Wind Energy, LLC, is owned  
6 and managed by Walden Green Energy and Eolian Renewable  
7 Energy, LLC.

8                   Walden is a global renewable energy firm  
9 that's based in New York. Their founding principals have  
10 over 50 years of experience in energy related businesses,  
11 primarily in roles at Barclays, Goldman, and J.P. Morgan,  
12 on the banking side of energy development and finance.  
13 Walden is, in turn, majority owned by RWE Supply &  
14 Trading, which is a subsidiary of RWE. RWE is a German  
15 company, which is one of Europe's top five electric and  
16 gas utilities that operates globally, and they have about  
17 2,900 megawatts of renewables in operation across the  
18 globe.

19                   Eolian is a Portsmouth-based company.  
20 We're based in New Hampshire. And, we're owned and  
21 managed by four partners who have a combined experience of  
22 over 40 years of energy, real estate, consulting, and  
23 construction experience.

24                   The Project that AWE is proposing is a

1 28.8 megawatt project in the northwest corner of Antrim.  
2 And, let me just pause for one quick second and say that  
3 we will make this entire presentation available to anybody  
4 who wants it. We're going to stick it up on our website.  
5 You can e-mail me and I'll send you a copy. So, it's  
6 available to anyone who would like a copy. Don't feel  
7 like you need to scribble down every word that's up here  
8 or try and snap photographs of the slides. We're happy to  
9 provide it.

10 MR. WARD: Your website is?

11 MR. KENWORTHY: *Antrim-wind.com*. So,  
12 this is still a 28.8 megawatt facility. It's in the  
13 northwest corner of the Town of Antrim. We do have  
14 some -- some photos and a map over here that shows some of  
15 the facility's elements. We'll leave those up, obviously,  
16 throughout the presentation, and afterwards, for folks who  
17 want to take a look at those. The proposal calls for the  
18 installation of nine turbines. Each turbine is 3.2  
19 megawatts in rated capacity.

20 It also consists of a collector and a  
21 interconnection substation; one operations and maintenance  
22 building; and one permanent meteorological tower. And,  
23 this facility will be located entirely on private  
24 property, and it will be accessed by a new gravel surface

1 road that will enter the Project site off of New Hampshire  
2 Route 9.

3 The Project leases land, about 1,870  
4 acres, from six landowners. Primary adjacent development  
5 consists of rural residential dwellings and some seasonal  
6 camps. The closest residence to any turbine for the  
7 Project is a participating landowner, which is about a  
8 half a mile from the closest turbine, and all others are  
9 greater than a half a mile to any turbine associated with  
10 the Project.

11 As many of you know, being -- some of  
12 you being Antrim residents, the general setting here is  
13 largely undeveloped. A large portion of the Town of  
14 Antrim is undeveloped and is heavily wooded.  
15 Historically, this area has been used for logging, or,  
16 even further back, or cleared for sheep farming.  
17 Currently, the land in and around this area is primarily  
18 undeveloped forest in various states of maturity, ranging  
19 from recent clear-cuts, to early successional stands, and  
20 some mature forest stands.

21 Project design. I mentioned a couple of  
22 these things a moment ago. There's nine turbines  
23 associated with the Project. The turbines that we've  
24 selected are Siemens turbines at 3.2 megawatts. These are

1 direct drive machines. There's a 100-meter meteorological  
2 tower that will be associated with the Project, a  
3 collector and interconnection substation, the operations  
4 and maintenance building. The Project requires about  
5 three and a half miles of new gravel surface roads to be  
6 constructed. The collector system will be roadside for  
7 really the entire Project, and it will be buried  
8 underground along the ridge, and then will come above  
9 ground where the access road meets the ridgeline road, and  
10 will travel roadside above ground on poles down to the  
11 collector substation.

12 In total, these new facilities will  
13 require the clearing of only 55.3 acres. And, the Project  
14 does include as a key element, and I'll talk more about  
15 this later, 908 acres of new conservation land.

16 The Siemens turbines, as I mentioned,  
17 are rated at 3.2 megawatts. Now, that's the nameplate  
18 rating of the turbine. They have a rotor diameter of  
19 113 meters. There are two different hub heights  
20 associated with this Project. Turbines 1 through 8 will  
21 be installed on 92.5 meter hubs, and Turbine 9 will be  
22 installed with a 79 and a half meter hub. And, that gives  
23 you a total tip height, from the foundation to the tip of  
24 the tallest blade, when it's in the upright position, of

1 446 feet for Turbine 9 and 488 feet for Turbines 1 through  
2 8. They, as I mentioned, have a direct drive, which means  
3 there is no gearbox in these machines, which enhances  
4 reliability and lowers maintenance costs. And, the  
5 turbine's certified design life is for 20 years.

6 Antrim Wind has performed a lot of  
7 studies of this site over the years. We have performed  
8 extensive studies to try and address potential impacts  
9 associated with the Project. Those study protocols were  
10 developed in close consultation with a number of state and  
11 federal agencies, a number of which are listed here, which  
12 are acronyms: New Hampshire Fish & Game, U.S. Fish &  
13 Wildlife Service, the New Hampshire Natural Heritage  
14 Bureau, New Hampshire Division of Historical Resources,  
15 the U.S. Army Corps of Engineers, and the New Hampshire  
16 Department of Environmental Services.

17 And, I've got a list here that I won't  
18 read all the way through that highlight the key areas that  
19 have been studied for the Project to assess those impacts.  
20 And, all of the reports, the detailed reports that are  
21 associated with these studies, will obviously be included  
22 with Antrim Wind's application.

23 I'll just touch on some of these with a  
24 little bit more detail: Wetlands, surface waters, vernal

1 pools throughout the Project area have been delineated by  
2 a New Hampshire certified wetland scientist. Again, those  
3 reports will be part of the application. Importantly  
4 here, very few wetlands will be impacted because of this  
5 Project. We've designed it in such a way as to have only  
6 two-tenths of an acre of permanent wetland impacts, which  
7 is quite low.

8 Natural communities. As I mentioned,  
9 the site classification for natural communities was done  
10 in accordance with the Natural Communities of New  
11 Hampshire, Second Edition. As I mentioned, in general,  
12 the Project is undeveloped, forested, and has been subject  
13 to timber harvesting. And, no -- during our natural  
14 communities surveys, no significant natural communities  
15 were found. We visited the site on a couple of different  
16 occasions with the New Hampshire Natural Heritage Bureau,  
17 who issued us a letter of concurrence indicating that it  
18 was unlikely the Project would impact any rare plants or  
19 exemplary natural communities.

20 Visual assessment is something that we  
21 spent a lot of time over the last year focused on. We  
22 have worked with LandWorks to conduct a comprehensive  
23 visual assessment for the Project. The study area for  
24 this visual assessment extends to ten miles from any

1 turbine. And, so, it encompasses about 353 square miles,  
2 including part or all of some twenty different towns.

3 Viewshed maps are created to determine  
4 from which locations the Project may be visible. And,  
5 then, LandWorks uses their methodology to identify scenic  
6 resources within that ten-mile study area, the sensitivity  
7 of those scenic resources, the visual change that the  
8 Project may have to that scenic resource, the effect that  
9 that visibility may have on the reasonable person, and  
10 ultimately renders an overall conclusion on whether the  
11 Project will have an unreasonable adverse effect on  
12 aesthetics given that visual change. And, LandWorks has  
13 concluded that the Project will not have an unreasonable  
14 adverse effect on aesthetics.

15 And, shadow flicker is another study  
16 that's performed. We hired Epsilon Associates to perform  
17 the study for us. Shadow flicker is a particular  
18 phenomenon that can only occur when certain conditions all  
19 arise at once. It needs to be during the daylight, when  
20 the turbine blades are spinning. The Sun needs to be low  
21 in the sky, so, generally, kind of before -- right after  
22 sunrise or a little bit before sunset. It does not occur  
23 on foggy or overcast days when there's not strong enough  
24 daylight to cast shadows. And, it needs to be -- there

1 needs to be a receptor within ten rotor diameters to kind  
2 of have that shadow flicker effect occur.

3 The studies that we've performed have  
4 shown, again, very low levels of shadow flicker associated  
5 with the Project. Within that ten-rotor diameter area,  
6 we've identified 155 receptors to model. Of those,  
7 almost, well, 87 percent have zero expected flicker; 18,  
8 or 11 and half percent, have expected shadow flicker of  
9 less than 10 hours per year; and only one has an expected  
10 shadow duration of greater than ten hours per year, but  
11 just over, at 10 hours and 10 minutes. And, very  
12 importantly, none of the locations are expected to have  
13 shadow flicker in excess of 30 hours per year, which is  
14 the industry standard limit. We're about at a third of  
15 that limit.

16 FAA lighting. Current FAA guidance will  
17 require that six of the turbines have a single  
18 medium-intensity red light installed on the nacelle. This  
19 is based on FAA guidelines requiring the lighting of  
20 structures above 200 feet in height. Obviously, Antrim  
21 Wind will need to comply with all FAA requirements for  
22 marking and/or lighting of tall structures. And,  
23 generally, that means that the turbines are going to need  
24 to be painted white, and that some of them will need to

1 have these aircraft marking lights installed on them.

2 We have, however, committed to using  
3 radar-activated lighting control systems on this Project,  
4 which is a system that will use a radar to determine when  
5 there are aircraft in the area, and only when it does so  
6 will it activate the lights. The intention being that  
7 there's not that much time when there's actually  
8 low-flying aircraft in close proximity to the facility at  
9 night. And, so, effectively, this technology can  
10 virtually eliminate nighttime lighting impact associated  
11 with the Project.

12 The FAA has been working on approval of  
13 this technology for a number of years. As soon as they  
14 produce their new what's called an "Advisory Circular",  
15 then we have committed to, if it occurs before we operate  
16 the Project, to build that technology in with the Project  
17 from day one. If it occurs after the Project has been  
18 built, we've agreed to have it installed and operating  
19 within one year.

20 We also worked with Epsilon Associates  
21 to study sound associated with the Project. This began  
22 with studying baseline sound levels to kind of  
23 characterize the existing background sound in the area.  
24 Then, turbine-only sound levels were modeled to predict

1 what the future sound levels would be that were  
2 attributable to the Project. All of this modeling was  
3 based on the Siemens 3.2/113 wind turbine. And, this  
4 study demonstrates that the Project will not exceed  
5 40 decibels at the outside façade of any residence, which  
6 is well below the noise restrictions that Antrim Wind has  
7 agreed to with the Town of Antrim, and also below the  
8 SEC's proposed condition in Docket 2012-01.

9 Cultural resources are another area that  
10 we've studied extensively. Archeological resources have  
11 been studied in consultation with the Division of  
12 Historical Resources. Phase 1A & B studies were submitted  
13 in December 2011, and, in 2012, the DHR confirmed that no  
14 further study was required due to a lack of impacts on  
15 archeological resources.

16 For historic architecture, the process  
17 is governed through Section 106, which is a federally-led  
18 process. And, Antrim Wind followed the New Hampshire  
19 Division of Historical Resources' Guidelines for wind farm  
20 development in conjunction with the Army Corps Guidelines.  
21 That process will be reinitiated upon the filing of our  
22 application, and concluded in consultation with both those  
23 agencies after the application is submitted.

24 With respect to orderly development of

1 the region, you know, successful wind projects require a  
2 number of very key elements to be good projects. They  
3 clearly need adequate wind speeds; they need proximity to  
4 adequate transportation and transmission resources; they  
5 require, you know, specific setbacks to ensure public  
6 safety; and they require an appropriate environmental  
7 site. And, the Antrim Wind site has all of these  
8 characteristics, and is consistent with the orderly  
9 development of the region because it maximizes the use of  
10 existing infrastructure and coincides with local and  
11 regional land use patterns and goals.

12 This Project is expected to provide the  
13 equivalent amount of electricity as used by 12,750 New  
14 Hampshire homes. So, we're able to generate that 12,750  
15 New Hampshire homes' worth of clean electricity on that  
16 initial 55 acres of impact, while also providing jobs, tax  
17 benefits, conservation benefits to the Town and the  
18 region.

19 As I mentioned a couple times, the  
20 conservation easements that the Project has put into place  
21 provide significant open space benefits. And, both open  
22 space preservation and renewable energy are clearly  
23 articulated and strongly supported goals in the Antrim  
24 Master Plan. Also, importantly, kind of historic

1 activity, such as logging, hunting and recreational  
2 activities will not be substantially encumbered by this  
3 Project.

4 The economic impact of the Project is an  
5 important feature. Seacoast Economics was retained to  
6 perform an economic impact evaluation for the Project.  
7 Their study concluded that the Project would generate  
8 approximately \$53.4 million in local economic benefit  
9 during the first 20 years of its operation, and that  
10 includes about 11.6 million occurring during the  
11 construction period, and then about 2.2 million a year for  
12 those first 20 years.

13 This will also create or support 84  
14 full-time equivalent jobs during construction, and 12  
15 full-time equivalent jobs thereafter. And, we have been  
16 talking with a great number of New Hampshire contractors  
17 who we're looking forward to working with as this Project  
18 moves forward. Just a quick definition, when we say  
19 "local area" here, we're talking about the five-county  
20 area in New Hampshire that's listed.

21 Public safety. I mentioned that the  
22 entire facility is located on private lands, with  
23 substantial setbacks to neighboring property owners and  
24 residences of over a half mile from any wind turbine.

1 And, these setbacks protect the public from any potential  
2 safety hazards at the Project, whether during normal  
3 operations or in the event of any type of equipment  
4 failure.

5 AWE has also committed, in an agreement  
6 with the Town of Antrim, to additional public safety  
7 measures, which includes gating and locking all access  
8 roads to the site. So, as I mentioned, there's one access  
9 road to the site. There's not multiple access points by a  
10 road. That road will be gated and locked. Emergency  
11 response personnel will have access to that gate, whether  
12 it's a code or key or both. The towers themselves are not  
13 climbable. So, there's no way to kind of get in them or  
14 up them. Any high voltage electrical equipment will be  
15 enclosed and marked with signs, and the substations  
16 themselves will be in a fenced yard. And, from a property  
17 line setback perspective, no turbine is closer than 1.1  
18 times that turbine height to an adjacent property line,  
19 and out here we're really talking about forest lots.

20 We've also agreed to put signs on all  
21 roads and informal trails in the area. Signs being 750  
22 feet from each turbine on the roads and 500 feet on the  
23 trails. As I mentioned, above ground electrical equipment  
24 being appropriately marked in a highly visible way. All

1 of the wind farm equipment will have the appropriate  
2 design safety certifications. And, blasting will adhere  
3 to New Hampshire Department of Environmental Services'  
4 Best Practices, including cooperation with the Town and  
5 notification prior to any blasting occurring.

6 Each turbine will contain Siemens' kind  
7 of native fire prevention technology and detection  
8 technology, which includes a condition monitoring system  
9 in these turbines, it includes smoke detection systems, it  
10 includes numerous failsafe systems to shut the turbine  
11 down, in the event that the conditions that might lead to  
12 a fire are detected. And, all of this leads to a greatly  
13 decreased risk of potential fires in nacelles.

14 We have also agreed to employ an  
15 additional safety system on top of this, which is an  
16 active fire suppression system. So that, in the event  
17 that a fire actually does emerge in the nacelle, there is  
18 a system that will detect that fire and release an agent  
19 that would suppress that fire, and also trigger the same  
20 types of safety shutdowns that are included in the onboard  
21 Siemens equipment.

22 Obviously, AWE will adhere to all  
23 applicable fire and safety codes. And, we have committed  
24 to complete a comprehensive Emergency Response Plan, in

1 consultation with the Antrim Fire Department and the State  
2 Fire Marshal's Office prior -- excuse me -- prior to  
3 commencing construction.

4 Construction process. Antrim Wind is  
5 going to be using Reed & Reed as its general contractor  
6 for this site. All of the construction will, obviously,  
7 start after final permits are received. And, right now,  
8 our commercial operations are planned to start in December  
9 of 2017. The first thing to occur is tree clearing. And,  
10 we've agreed to restrict the tree clearing period to  
11 between October 1 and March 31, for environmental reasons,  
12 to avoid potential impacts to nesting birds. And, then,  
13 after that clearing and grubbing has occurred, road  
14 construction will commence, followed by turbine pads and  
15 foundation construction, electrical line construction, and  
16 turbine erection and commissioning.

17 The turbines will be delivered directly  
18 to the turbine pads. And, those will be coming by  
19 highway. We do not expect to have to use any local roads  
20 for the delivery of these turbine components. It's one of  
21 the things I mentioned before about one of the favorable  
22 aspects of this site is it's very kind of easy access  
23 along New Hampshire Route 9.

24 After construction is complete, the

1 Project roadways will be reduced down to 16 feet by adding  
2 topsoil and re-vegetating the shoulders of those roads, as  
3 well as the cut-and-fill slopes, using native seed mixes.  
4 And, AWE will brief the Town on those construction plans  
5 and provide notice, as I mentioned, before any blasting  
6 occurs.

7 With respect to decommissioning, as I  
8 mentioned, the Project has an initial design life of 20 to  
9 25 years. The turbines, the certified design life is 20  
10 years. They do often operate for longer than that. And,  
11 after that period, the Project may be repowered, which  
12 would include the kind of replacement of any equipment  
13 that is no longer suitable for use, including potentially  
14 turbines, and other towers and other equipment.

15 Once those turbines are no longer  
16 operational, they will be decommissioned. Whether it's  
17 after the first phase or after a repowered phase. And,  
18 that includes the removal of all facilities above ground,  
19 including foundations down to 18 inches below grade.

20 Antrim Wind has agreed to fund a  
21 decommissioning plan that will be prepared by a third  
22 party engineer that the Town would have the opportunity to  
23 approve, and that would cover 125 percent of the expected  
24 cost to decommissioning according to that plan, and all of

1 that would occur prior to commencing construction.

2 Emissions benefits are another benefit  
3 of wind for New Hampshire. Recent studies in New England  
4 and New Hampshire have all consistently demonstrated that  
5 installing additional wind generation into the New England  
6 power system creates significant emissions benefits,  
7 including carbon dioxide. It also results in substantial  
8 annual fresh water savings, because wind turbines do not  
9 use any water in the generation of electricity unlike  
10 thermal plants do.

11 Environment New Hampshire released a  
12 report in 2013 that showed that right now New Hampshire's  
13 existing wind energy is already avoiding more than 157,000  
14 metric tons of carbon pollution -- carbon dioxide  
15 pollution, the equivalent of taking 32,764 cars off the  
16 road. And, it's saving 70 million gallons of fresh water  
17 a year, which is roughly -- enough for about 2,500 people  
18 or about the Town of Antrim every year. So, clear  
19 emissions -- emissions benefits and water saving benefits  
20 associated with wind that this Project would contribute  
21 to.

22 Conservation lands, as I mentioned a  
23 coupled times, we recognized early that conservation was  
24 valuable to residents in this region. And, it's something

1 that we have always also valued and made a priority to  
2 include this as a key benefit of the Project. Over the  
3 past several years, we have met with many conservation  
4 groups to help build an understanding of the Project, to  
5 include the Nature Conservancy, New Hampshire Audubon, the  
6 Harris Center, Monadnock Conservancy, Antrim Conservation  
7 Commission, New England Forestry Foundation and the  
8 Society for the Protection of New Hampshire Forests. And,  
9 the conversations we've had with those groups have helped  
10 us to develop what is a very robust and significant  
11 conservation plan.

12 Specifically, we have worked with local  
13 landowners and the Harris Center, and additionally with  
14 the Town of Antrim, to enter into letters of intent to  
15 permanently conserve 908 acres of land in and around the  
16 Project area once the Project is built. And, these  
17 conservation easements would include 100 percent of the  
18 Project ridgeline.

19 Additionally, AWE has entered into a  
20 Land Conservation Funding Agreement with the New England  
21 Forestry Foundation, whereby we will fund \$100,000 towards  
22 the preservation of additional forest lands in the region  
23 to protect and enhance the region's aesthetic character,  
24 wildlife habitat and public recreational opportunities.

1 So, this is another off-site conservation initiative that  
2 we've just recently completed.

3 This is just a map that shows,  
4 highlighted in green, the areas that are subject to the  
5 conservation easements that Antrim Wind has negotiated  
6 with the private landowners, together with the Harris  
7 Center and the Town of Antrim. So, that constitutes 908  
8 acres of continuous lands, and all of the ridgeline. And,  
9 as you can see, it also abuts other conservation lands,  
10 including some New Hampshire Audubon lands that are, the  
11 ones in the bottom left there, are highlighted in yellow.

12 We have developed and gotten support of  
13 various agencies on a Bird and Bat Conservation Strategy.  
14 This was previously called an "Avian and Bat Protection  
15 Plan", but now they're called "Bird and Bat Conservation  
16 Strategy", that takes innovative and proactive steps to  
17 try and mitigate potential impacts to bird and bats. It  
18 includes, obviously, performing comprehensive  
19 pre-construction surveys, performing post-construction  
20 monitoring and incident response protocols that include  
21 structured consultation with Fish & Wildlife Service and  
22 New Hampshire Fish & Game to address potential future  
23 impacts through an adaptive management scheme.

24 We've also agreed to test curtailment of

1 turbines under certain conditions that have been shown to  
2 reduce risk to bat species, specifically to apply a higher  
3 cut-in speed to five out of the nine turbines for the  
4 first year of operations during monitoring to detect  
5 whether that creates any difference in bat mortality at  
6 those sites. And, if it does, then we will apply that  
7 condition to all nine turbines for the life of the  
8 Project. If it does not, then we can scale that condition  
9 back.

10 Community benefits. There's a number.  
11 Antrim would become the largest tax -- Antrim Wind, sorry,  
12 would become the largest taxpayer in Antrim, which will  
13 bring steady revenue to the Town over the Project's life,  
14 with little or no direct costs to the Town. We have  
15 entered into a Payment-in-Lieu-of-Taxes Agreement with the  
16 Town of Antrim, which provides for that kind of stability  
17 and predictability for both the Town and Antrim Wind.  
18 And, that PILOT Agreement provides the highest per  
19 megawatt payment of any wind energy PILOT agreement in New  
20 Hampshire, starting off at \$11,250 per megawatt, and  
21 increasing two and a half percent per year for the life of  
22 the Project.

23 There are also substantial direct and  
24 indirect economic benefits to the Town and the region

1 brought by investment in wind energy, including employing  
2 local contractors for construction and other trades, as  
3 well as the kind of ancillary benefits of the food, fuel,  
4 housing, materials, *etcetera*, that occur due to the work  
5 that's going on the site.

6 Permanent conservation benefits are also  
7 a community benefit, including the 908 acres of forest  
8 lands that I mentioned, in addition to the \$100,000 land  
9 conservation fund that we've entered into with New England  
10 Forestry Foundation. We have also entered into an  
11 agreement with the Town of Antrim concerning the potential  
12 for aesthetic impacts to Gregg Lake, whereby Antrim Wind  
13 has agreed to make a payment of \$40,000 to enhance the  
14 recreational and aesthetic experience at Gregg Lake.

15 Touching again on some of these  
16 agreements that I've mentioned. Having worked closely  
17 with the Town over the past six years to share information  
18 about wind generally and about our Project specifically,  
19 we signed an agreement in 2012, in March 2012, that  
20 governs various construction and operating period  
21 requirements associated with the Project, touching on  
22 subjects like noise, public safety, construction,  
23 decommissioning, complaint response, emergency response  
24 and other key issues. That document is obviously

1 available for everybody. It's a public document.

2 In 2000 -- in June 2013, we entered into  
3 a PILOT Agreement that I just mentioned. That was  
4 recently amended to extend the commercial operations date  
5 for the Project into 2018. And, finally, I mentioned the  
6 Gregg Lake Agreement.

7 In summary, this proposed Project is the  
8 result of very careful site selection and a lot of work  
9 over the past six years. It's focused on high performance  
10 and low impacts. The studies that we have performed  
11 indicate that this Project can be built without undue  
12 adverse impacts to the community or the environment, while  
13 bringing significant economic and energy benefits to the  
14 area.

15 We will cause direct impacts to only  
16 55.3 acres of land, produce enough energy for 12,750  
17 average New Hampshire homes, bring substantial new revenue  
18 to the Town, and result in significant and ongoing  
19 emissions benefits.

20 The Project has been significantly  
21 revised since the 2012 docket to address concerns about  
22 potential aesthetic impacts. And, we believe the Project  
23 is consistent with the goals of the State of New Hampshire  
24 for increasing clean energy and meets the criteria under

1 RSA 162-H to receive a Certificate of Site and Facility.

2 Thank you very much for your time.

3 MR. STEWART: Thank you, Jack. We will  
4 now receive public comment. I have two sheets here. So,  
5 when your name is called, please speak clearly into the  
6 microphone, so that the stenographer can hear and  
7 understand what you're saying. And, if you could start  
8 with your name and where you live.

9 So, with that, I will move on. And,  
10 again, we're trying to limit comments at the front end to  
11 three minutes each, in order to get through the list.  
12 And, then, subsequent to that, if you have more to offer,  
13 we will stay as long as we need to. So, thank you.

14 With that, I'm going to be  
15 name-challenged already. Karen Weisswange.

16 MS. WEISSWANGE: Okay. That's --

17 MR. STEWART: How did I do?

18 MS. WEISSWANGE: Karen Weisswange. Is  
19 it on?

20 FROM THE FLOOR: It is, if you lean in.

21 MS. WEISSWANGE: I live at 91 Old  
22 Hancock Road. And, I wanted to come and speak tonight,  
23 because I truly believe in this Project. And, I am hoping  
24 and praying that it will come to fruition before I die. I

1 hope the SEC will accept this application. And, I think  
2 it will benefit everybody in town, not only moneywise,  
3 which is not going to do much, but just for cleaner air.  
4 And, we need to do this, we need to do this for the future  
5 generation, for our grandkids, that are facing global  
6 warming, which we all know about.

7           Everywhere in the country, all around  
8 the world, there are turbines. We went to Aruba last  
9 year. And, you know, in Aruba, they use turbines for the  
10 whole island, using turbines. And, that's all they need  
11 for their fuel.

12           So, I think this is a win/win situation.  
13 I think Antrim Wind has gone above and beyond what is  
14 expected of them. And, I hope this will come to be.  
15 Thank you.

16           MR. STEWART: Thank you. Al Weisswange.

17           MR. WEISSWANGE: Al Weisswange, 91 Old  
18 Hancock Road, in Antrim. I just want to say that we all  
19 here know that slowly but surely we are killing the planet  
20 with pollution. And, the major cause of this pollution,  
21 or one of the major causes, is coal-fired generating  
22 plants. We've tried other solutions. We've tried  
23 nuclear, which came with its problems. And, I think that  
24 renewable energy is the only clean, reliable way we can

1 remedy this situation. Thank you.

2 MR. STEWART: Thank you. Peter  
3 Beblowski.

4 MR. BEBLOWSKI: Peter Beblowski, Smith  
5 Road, 318 Smith Road. I'd like to thank Mr. Stewart and  
6 AWE for coming tonight and making this presentation. And,  
7 I do not have anything to say at this time. Thank you.

8 MR. STEWART: Thank you. Wes Enman, I  
9 am guessing at the handwriting.

10 MR. ENMAN: That's okay.

11 MR. STEWART: I'm handwriting  
12 challenged, too.

13 MR. ENMAN: My name is Wes Enman, 16  
14 Pierce Lake Road. Been a supporter of the Project  
15 literally from the first day I heard about it. We're at a  
16 stage where we need to stop generating power with nuclear  
17 and coal-fired generation. This is renewable. Once it's  
18 in, there's zero emissions. This is important for the  
19 future. It's important for the Town. As Jack said, this  
20 is the right location. It has all of the elements that  
21 are needed, with minimal impact. I don't believe that we  
22 should be putting power wind turbines on every hilltop in  
23 New Hampshire, but this is the right hilltop to do.

24 I think, with the new solar garden that

1 we're dealing with that Antrim has approved, and Antrim  
2 Wind, I think this town could, like Peterborough, kind of  
3 put themselves out there as an "energy alternative" town.  
4 I think it's positive. And, any economic impact that the  
5 Town gets would be a benefit.

6 But, ultimately, I believe that this is  
7 the right project at the right time. And, I'm really  
8 hoping that the SEC, even at this point, will take  
9 jurisdiction. Thank you.

10 MR. STEWART: Thank you. Robert  
11 Cleland.

12 MR. CLELAND: Yes. My name is Robert  
13 Cleland, 43 Farmstead Road. There's a couple of concerns  
14 I have about Mr. Kenworthy's presentation. One, is he  
15 didn't mention anything about how it would affect local  
16 real estate values in the area. Especially since he told  
17 me, in September of 2009, that it would have a direct  
18 impact on my property value. I'd like to have some  
19 answers about that. It's going to affect a lot of people  
20 in the area, and how are people going to be compensated?  
21 If you want a wind tower, nobody should -- if you wanted  
22 wind, nobody should suffer. Nobody should lose their  
23 property value or suffer out of this. He needs to think  
24 about that and be concerned about it. Thank you.

1 MR. STEWART: Thank you. Tim Perry.

2 MR. PERRY: Tim Perry, 152 Clinton Road,  
3 Antrim. Unlike my neighbors, I did not want to come up  
4 here and speak tonight, mostly because I don't like  
5 speaking in front of people. I'd like to kind of pick on  
6 several items here. I am passionate about spending as  
7 much of my summers outdoors as possible, much of that is  
8 spent in my kayak. I live just down the street from Gregg  
9 Lake and spend a lot of time kayaking up there. Willard  
10 Pond is one of my favorite places on the planet to go  
11 paddling. Likewise, I noticed, while kayaking up at  
12 Pillsbury -- I think it's Pillsbury State Park, up in the  
13 north side of Washington, that, as you paddle across the  
14 lake up there, you can actually see the turbines at the  
15 Lempster facility. Can't hear them at all, but you can  
16 see them. I don't find that to be a detriment. I would  
17 not find it to be a detriment at Gregg Lake, I would not  
18 find it to be a detriment at Willard Pond either. I would  
19 know that we are doing good for those locations over the  
20 long time.

21 I know that one of the primary reasons  
22 this proposal was rejected its first round through the SEC  
23 was because the Audubon raised concerns about the  
24 aesthetic impacts on Willard Pond. I would like people to

1 think about what those impacts will be over the long term  
2 if we don't do this. If we continue the CO2 emissions  
3 that we are creating, what's that going to do to the  
4 Willard Pond habitat for my grandkids, your grandkids,  
5 *etcetera*.

6 My wife is a professional research --  
7 climate research scientist at UNH. A good portion of that  
8 is actually probably my fault. I joined her at the  
9 American Geophysicists Union Annual Meeting in San  
10 Francisco in December. There were 25,000 climate  
11 scientists gathered there. I felt as dumb as I ever have  
12 in my life with all those smart people around. Not one of  
13 them was discussing the basic idea of CO2 emissions  
14 causing climate change. That is accepted science amongst  
15 the professionals in the industry. They were talking  
16 about the accelerated effects that CO2 emissions are  
17 having on all of the sensitive areas, such as a place like  
18 Willard Pond, or boreal forest or permafrost at the edge  
19 of the Arctic that is no longer permafrost.

20 This is a great project, at a great  
21 location, by a company that is doing what we would want a  
22 company in town to do. They're making the adjustments  
23 that we need to have this a good project, a better  
24 project. The SEC shouldn't have turned this down the

1 first time. They need to take this and approve it.

2 MR. STEWART: Thank you. David Ayer. I  
3 think it's "Ayer".

4 MR. AYER: Yes. I'm David Ayer. My  
5 business is located in Barrington, New Hampshire. It's  
6 Ayer Electric. And, I just want to say that we've worked  
7 at the Lempster facility, and we hope to do electrical  
8 work at this facility. And, this Project is good for my  
9 workers, and it's good for the State of New Hampshire.  
10 Thank you.

11 MR. STEWART: Thank you. Huck  
12 Montgomery.

13 MR. MONTGOMERY: Hey, I'm Huck  
14 Montgomery. I represent the International Brotherhood of  
15 Electrical Workers. And, we're actually based in Concord,  
16 New Hampshire. Represent more than 300 licensed  
17 electricians in the State of New Hampshire. Again, folks  
18 who hope to do the work at this facility, hope to continue  
19 to work with Eolian and Antrim -- and AWE, to ensure that  
20 the work that's done on this Project is done by local  
21 workers.

22 We generally believe that constructing  
23 more wind energy facilities in New Hampshire is a good  
24 thing for the economy, it's a good thing for job creation,

1 and when we're just starting to emerge out of the greatest  
2 economic downturn since The Great Depression. The  
3 construction industry in New Hampshire is still severely  
4 depressed, maybe 25 percent below where it was before  
5 2007. And, this kind of construction project is what's  
6 going to put New Hampshire's economy and construction  
7 sector back where it needs to be. The jobs impact should  
8 not be underestimated. And, my job and our job at the  
9 IBEW would be to ensure that the people that would do this  
10 work will be local workers, they will be well paid, and  
11 they will have great benefits. And, that is the best  
12 thing that we can do for the State of New Hampshire.  
13 Thanks.

14 MR. STEWART: Thank you. Fred Ward.

15 MR. WARD: I live in Stoddard, within  
16 about two miles of this place. First thing, there aren't  
17 25,000 climate scientists in the International Geophysical  
18 Union. There aren't 25,000 climate scientists in the  
19 American Meteorological Society. And, there aren't 25,000  
20 climate scientists in the entire world. So, any claim  
21 about climate scientists being all in favor of this just  
22 is total baloney.

23 The situation is, I would like to see  
24 somebody be able to generate totally clean energy. If

1 somebody could generate totally clean energy that didn't  
2 impact anything, I'd be in favor of it. I'm a  
3 conservationist by trade, I've been a conservationist for  
4 50 or 60 years.

5 The question here is, "is this the right  
6 thing?" And, since I can't ask questions, I just want to  
7 make a couple of comments asking to get information from  
8 Jack eventually. I understand that these turbines  
9 generate most of their energy at night. You don't have to  
10 answer it. You have one met tower, which means that  
11 whatever you're doing applies -- that information applies  
12 to nine turbines. So that the nine turbines, we can  
13 assume, operate pretty much simultaneously. They're  
14 either on, half on, or all off.

15 Secondly, as far as the FAA and the red  
16 light, the flashing red light is concerned, on my  
17 observatory, there are planes flying over almost  
18 constantly. Now, I admit, they may be five or ten miles  
19 out, but what is the radius of this radar that's supposed  
20 to shut the thing off? I don't know what that is. But,  
21 if it's five or ten miles, that means the flashing light  
22 will be on all night, every night.

23 I'd like to get an idea, because I hear  
24 a number for the efficiency, the overall efficiency. It's

1 not 3 megawatts, it's like 28 percent of that. I would  
2 like to have that number. Okay?

3 As the question of the shadow flicker is  
4 concerned, when I was at these hearings, what was it, two  
5 years ago, three years ago, there was a model for shadow  
6 flicker, which I believe was a model of a tower on flat  
7 land to viewers who were also on flat land. If that's the  
8 model you're using, you can't use it. Period.

9 That's all I have to say. I have a lot  
10 of other questions. But, if I get those data, Jack, I'd  
11 be delighted.

12 MR. STEWART: Thank you. Elsa, Elsa  
13 Voelcker.

14 MS. VOELCKER: Yes. My name is Elsa  
15 Voelcker. I live at 97 Old Pound Road, in Antrim, about a  
16 mile from the proposed site.

17 Tell me if this is true, Jack. That  
18 last summer, when we had a hot spell, and some more  
19 electricity was needed, I heard they took Lempster off  
20 line and they fired up a coal plant, because the wind  
21 towers are not reliable enough. They're not giving enough  
22 constant energy.

23 I also would like to know, I know that  
24 you have to put in new lines to carry the energy you're

1 going to be making, from here to wherever it's going,  
2 Rhode Island or whatever, and guess who gets to pay for  
3 those new lines? All of us. I don't know about you guys,  
4 but I'm paying 50 percent more for electricity this year  
5 than I was last year. And, I know that those lines we're  
6 going to be paying for.

7 And, I know that I've heard the Lempster  
8 Mountain wind towers, and it sounds like a jet plane that  
9 doesn't go away. I'm a very auditory person. I hear  
10 every jet that flies over my house. And, I know that I'm  
11 going to have to move if this Project goes in, because it  
12 will drive me nuts. Forty megacycles is a lot of noise.  
13 I heard on NPR, 45 can cause hearing damage in people.

14 MR. STEWART: Thank you. Steve  
15 Autenreith.

16 MR. AUTENREITH: Pretty close. My name  
17 is Steve Autenreith. I'm a resident of Dover, New  
18 Hampshire. And, I support this Project for a variety of  
19 reasons, but tonight I'll limit it to just a couple.

20 I work for a company called "3 Phase  
21 Line Construction". We build energy infrastructure. So,  
22 we build the lines that were mentioned earlier. All of  
23 our employees are IBEW members, proud union members,  
24 highly qualified, well-trained residents of this region,

1 of the New England region. We've worked on projects like  
2 this. We've worked with Reed & Reed in the past. I can  
3 tell you that, while the work is being performed, our men  
4 are very safe, they're very conscious about the  
5 environment. Our people are local. They raise their  
6 families in places like this in New England. They're  
7 concerned about the environment, they recreate. And, they  
8 take a lot of consideration when the work is being done.

9 I can also tell you that they -- one of  
10 the slides that Jack put up was about 84 jobs supported by  
11 this. That's mainly from companies like mine. Our  
12 employees are well compensated. These are real jobs that  
13 people support their families with. They include  
14 pensions, full healthcare benefits, well-paying jobs.

15 Also, when a company like mine comes in  
16 to build the power lines associated with something like  
17 this, we hire locals to support our office staff, for a  
18 variety of other reasons. Also, our men, when they're  
19 here doing construction, they typically live in this area.  
20 So, they will be filling hotels and things in the region,  
21 they will be eating regionally. Typically, they stay five  
22 nights a week or so in the area, and then go home on the  
23 weekends.

24 And, I think that's it. Thank you.

1 MR. STEWART: Thank you. That concludes  
2 the list of folks that have signed up to speak. But would  
3 anybody else like to speak who hasn't spoken yet?

4 UNIDENTIFIED SPEAKER: We've got one  
5 more.

6 MR. STEWART: Oh, one more. Well, go  
7 ahead while I'm getting this.

8 MS. GARD: Hi. My name is Barbara Gard,  
9 and I live on 243 Pleasant Street, in Antrim. And, I  
10 guess I'm a little more -- I guess a little more than  
11 two miles away. And, I'm in the same zoning district that  
12 the proposed Project would be constructed in.

13 What would help me, and which I haven't  
14 heard addressed, is a point-by-point comparison between  
15 the Project that you folks proposed on reconsideration  
16 before the SEC. Now, as everybody knows, I guess, the  
17 Motion to Reconsider was declined. And, you included, if  
18 I remember correctly, certain changes in that Motion for  
19 Reconsideration. I'd like to know what's different now,  
20 point-by-point, no spin, no, you know, sort of PR. What's  
21 different between what was proposed on reconsideration and  
22 what you're proposing to do now? Because that's where I  
23 think we are now.

24 This Project has a history. I moved to

1 this town in 2002. I believe you folks turned up 2009,  
2 correct me if I'm wrong. So, from 2009 to 2014, a lot of  
3 people have, you know, both the townspeople, officials of  
4 the Town, you people, as private developers, have put a  
5 heck of a lot of energy into this whole thing. So, we  
6 have to take account of where we've been, as well as where  
7 we want to go. And, it seems to me that, without that  
8 kind of point-by-point comparison, especially as you have  
9 a -- you voluntarily went before the SEC, you got a  
10 decision from them. They had, you know, hours and hours  
11 and hours of testimony. You know, lots of people came to  
12 those hearings. I couldn't stand to come to all of them,  
13 you know, I didn't have time to come to all of them. But  
14 there's a whole history here. That, unless we proceed  
15 from where we are in relation to the past, we'll never get  
16 to the end of this.

17 So, please tell me what the differences  
18 are. And, just, you know, I would love to have a copy of  
19 this presentation you've made, but I'd like to have  
20 something which supplements it that says "okay, on  
21 reconsideration, we proposed all these things. Now, we're  
22 proposing something different." If you're not going to  
23 restudy things, tell me why you're not going to restudy  
24 things. You know, intuitively, it seems to me there are

1 some things that ought to be restudied, if you're  
2 proposing changes in the Project.

3 You have an SEC decision, not only that  
4 was against you the first time around, but there was a  
5 Reconsideration Motion, which was declined, and you didn't  
6 appeal it. So, you have an unappealed decision against  
7 you. Now, I'm willing to go forward, but I want to know  
8 what's new.

9 So, you know, please help me out, and I  
10 think it would help a lot of people out. If this is a  
11 great project, then tell me why it's a great project,  
12 because you have a precedent against you, and you did not  
13 appeal it. So, that's where we are now.

14 You know, I sat on the committee that  
15 tried to write a ordinance for the Town. I put a lot of  
16 hours in. I showed up at 6:00 a.m. to help write that  
17 proposal. Okay, the townspeople voted this down. Another  
18 one was put up; the townspeople voted against that. A  
19 private person put up one, which was endorsed by a lot of  
20 people in town, --

21 MR. STEWART: Barbara, one more minute.

22 MS. GARD: Okay. And that was voted  
23 down. So, you can't just come in and say "okay, you know,  
24 here we have this new project." You have to take account

1 of what's happened before. And, at least for me,  
2 personally, that's where I start. Tell me why I should  
3 support something which has an SEC decision against it,  
4 which was not appealed. Thank you.

5 MR. STEWART: Thank you. Brian Beihl, I  
6 believe.

7 MR. BEIHL: Thank you, Mr. Moderator.  
8 My name is Brian Beihl. I am a 30-year resident of  
9 Antrim.

10 MR. STEWART: I had a 50-50 chance.

11 MR. BEIHL: That's all right. I have  
12 some serious doubts about Antrim Wind Energy, Eolian, and  
13 the new pairing with the company in New York, of the  
14 ability to execute this Project. The company did not have  
15 any experience in building the Project when they came in  
16 to Antrim in 2009. As of now, they still have not built a  
17 project. Their Frankfort, Maine has been denied twice.  
18 The Peaked Wind Project in Orland is still in suspense.  
19 The Seneca Mountain Wind Project, they pulled out of  
20 Vermont. And, now I understand there is another project  
21 out in Potter County, in central Pennsylvania, which I  
22 don't really know the status of.

23 But we're talking about a very large  
24 industrial wind facility. There's no evidence that this

1 organization is well organized or well financed enough to  
2 be able to execute this Project. And, I have some serious  
3 concerns, if it were to be attempted, whether it would  
4 succeed. Thank you very much.

5 MR. STEWART: Thank you. I'm again at  
6 the end of my list. Would anybody else like to speak?  
7 Come on up.

8 MR. BLOCK: My name is Richard Block. I  
9 live on Loveren Mill Road, on 242 acres of south-sloping  
10 land, all of which faces Tuttle Hill. Simply, I'm  
11 troubled that this presentation just fails to address the  
12 potential impact of this Project on property values on  
13 each specific parcel and residence within the immediate  
14 impact zone. Neighboring residents should be informed of  
15 how their equity and their specific homes and their land  
16 may be affected if this goes up. Thank you.

17 MR. STEWART: Thank you, Mr. Block.  
18 Would anybody else like to speak? Seeing as there are  
19 none, we will close the meeting. And, I have -- whoops.  
20 Oh, one more.

21 MR. PERRY: Yes. If we're cycling back  
22 around?

23 MR. STEWART: Yes. Yes, please.

24 MR. PERRY: Because I love standing up

1 here so much. Thank you. Tim Perry, 152 Clinton Road  
2 still. Rebuttal time. In my nervousness of being up here  
3 previously, I forgot to mention, I also did one day of  
4 work up at the Lempster facility while it was being  
5 initially constructed. I do technology installations. I  
6 was hooking up an internet connection. It was a thrill to  
7 actually be up there. And, I've made a point of visiting  
8 it again several times, because I find it a pleasant  
9 environment to be in.

10 The concept that there's any significant  
11 noise from these is just beyond my ability to comprehend.  
12 I've stood at the base of those turbines when they're  
13 spinning, and at the most you hear a slight whistle. If  
14 you're standing back at what would be a reasonable  
15 setback, they're inaudible above the sound of wind through  
16 the trees.

17 I've had this same discussion on our  
18 previous go-arounds. But I think it needs to be in the  
19 record as a rebuttal for what's been said here. On a  
20 decibel scale, 30 decibels is considered to be equivalent  
21 to a quiet library; 40 decibels is a quiet residential  
22 area or a park; 50 dB is a quiet office, or a quiet  
23 street, in Antrim, say, when there's no car driving by;  
24 and 60 decibels is normal conversation at three feet. So,

1 if we're talking about "no residences are going to hear  
2 higher than 40 dB", that's basically the same as going for  
3 a walk in the woods.

4 Now, I also, by the way, had actually  
5 the pleasure of being in Aruba and see the same thing down  
6 there. They have one corner of their island, which is 6  
7 by 20 miles, that has about 10 or 12 turbines, powers the  
8 entire island. They have no emissions whatsoever.  
9 Jealousy. Envy.

10 AGU, for the record, by the way, does  
11 not have 25,000 members. It has 62,000 members. There  
12 were 25,000 in San Francisco --

13 MR. WARD: Not climate scientists.

14 MR. PERRY: That is generally what they  
15 specialize in --

16 MR. WARD: No, it is not.

17 MR. STEWART: Okay. One at a time  
18 please.

19 MR. PERRY: Okay. I think the issues  
20 that had been commonly brought up over and over again on  
21 our first go-around of this, shadow flicker, noise,  
22 property values, have been pretty well addressed, although  
23 I have not heard any direct statements on property values  
24 this time around. Initial property values on abutters and

1 nearby neighbors usually decreases by small single digit  
2 amounts in the first couple of years, and increases by  
3 those same amounts over the long term. Because people  
4 like myself, people who are like-minded to myself, want to  
5 live near a green facility like that. Thank you.

6 MR. STEWART: Thank you. Any further  
7 comments?

8 MS. LONGGOOD: Yes.

9 MR. STEWART: I don't believe you've  
10 spoken. Yes.

11 MS. LONGGOOD: Hi. My name is Janice  
12 Longgood. I missed most of the presentation, but I am  
13 well aware of this Project or the prior Project, I'm an  
14 abutter. I am probably one of the closest residence to  
15 that, and I am very concerned about this Project on my  
16 property value, on the shadow flicker, on the impact it  
17 would have. I purchased 50 acres of land that was covered  
18 with covenants, and it was protected, and then the rural  
19 conservation. And, now to have an industrial wind  
20 facility abutting my property, when I live in the middle  
21 of nowhere, is very troubling to me. And, I want to get  
22 on the record please that I'm very much apposed to this.

23 MR. STEWART: Thank you. Further  
24 comments?

1 MR. WARD: Just so the facts are clear.

2 MR. STEWART: Could you restate your  
3 name.

4 MR. WARD: There's no question but that  
5 carbon --

6 MR. STEWART: Sir, could you restate  
7 your name for the stenographer.

8 MR. WARD: Fred Ward, from Stoddard.  
9 I'm sorry. There's no question but that CO2 is a  
10 greenhouse gas. There is no question that it has  
11 increased. Nobody denies that. Everybody agrees on that.  
12 There is no way, however, to calculate how much of a  
13 temperature change it ought to make for whatever given  
14 increase in greenhouse gases has been measured. No way.

15 Now, we would expect the temperature to  
16 increase. And, if you asked me, I would say "I would  
17 expect a temperature increase." I'd give you maybe 3-to-1  
18 that it would increase. But the fact that I don't give  
19 you 100 percent says that "maybe not". And, if we look at  
20 the data, because we can't calculate what it ought to be,  
21 if we look at the data, for the last 15 years, nothing  
22 much has happened, despite all of the forecasts that  
23 things should happen. Any meteorologist, any climate  
24 scientist would say "I wonder what's the matter here"?

1                   And, let me just leave you with one last  
2 fact, which you may or may not know. For greenhouse  
3 gases, now, these are all gases that can warm, nobody  
4 disagrees that greenhouse gases will tend to warm. The  
5 earth as it stands is 60 degrees Fahrenheit warmer than  
6 what it would be if there were no greenhouse effect.  
7 Sixty degrees warmer than it would be without it. So, you  
8 say to yourself, "where did it all come from?" And, does  
9 anybody here care to guess where 97 percent of that 60  
10 degrees comes?

11                   FROM THE FLOOR: Water vapor.

12                   MR. WARD: Water vapor. The problem you  
13 see is that water vapor, in the form of clouds or as a  
14 gas, can make an enormous difference. And, the models  
15 that have been put out can't account -- can't account for  
16 that very well.

17                   Now, if I were asked, I would say "yes,  
18 we should be doing something about greenhouse gases." But  
19 it's not a big priority, and probably could be handled  
20 slowly over a period of time. And, the number of climate  
21 scientists there are, there aren't 25,000 in the entire  
22 world, let alone in the IGU, to which for many years I  
23 belonged. Thank you.

24                   MR. PERRY: AGU.

1 MR. WARD: Thank you.

2 MR. STEWART: Mr. Brock -- I mean, Mr.  
3 Block.

4 MR. BLOCK: Richard Block. I'd just  
5 like to address something that Mr. Perry said. I envy  
6 your ability to block out background noise. But we live  
7 in a very, very quiet rural area. I have had the sound  
8 tested at my house at 19 decibels at night. The increase  
9 from 19 to 40, if you know anything about the mathematic  
10 logarithm, it's a significant, many, many times increase  
11 in sound.

12 I don't get, since I've lived rurally  
13 and quiet, I was born, I don't admit this to many people,  
14 I was born in Manhattan. So, I grew up as a young child  
15 with constant background noise. Since I moved to the  
16 country, which was decades ago, I've gotten more and more  
17 away from it. It's why we chose to move in the country.  
18 I am sensitive to sound. I do not have headaches, I do  
19 not have problems. When I visited Lempster, after about a  
20 half an hour standing outside the gate to Lempster, I  
21 started developing a significant headache in the back of  
22 my head, which did not -- eventually, it got so bad I  
23 literally ran from the site. And, it took a couple of  
24 hours before it subsided. And, the only thing I can

1 attribute that to was the very low frequency "whomp-whomp"  
2 sound that I kept hearing from the turbines there.

3 So, maybe there are days when turbines  
4 are quiet, but there are days when it's really noisy.  
5 Having to have that against my will subjected to me and my  
6 house is not something I'm happy about. And, I worry  
7 about what that will do. I would probably have to leave.  
8 I cannot live with that kind of background noise. My wife  
9 is even more sensitive than I am. I know she will not  
10 survive. Thank you.

11 MR. STEWART: Thank you. Any further  
12 comments?

13 (No verbal response)

14 MR. STEWART: Seeing none, I will close  
15 the meeting. Oh. What --

16 MS. VOELCKER: I just wanted to say that  
17 the SEC turned them down the first time, and what I heard  
18 was "too small a mountain, too high towers". These towers  
19 are almost the same height as the first proposition. I do  
20 hope the SEC turns them down again.

21 MR. STEWART: Thank you. Any final  
22 comments?

23 (No verbal response)

24 MR. STEWART: Seeing none, I will close

1 the meeting. And, I thank you for your efficiency.  
2 Everybody stayed within three minutes. And, that's just a  
3 remarkable track record for the number of people at this.  
4 Thank you very much for coming out.

5 **(Whereupon the public information**  
6 **meeting was adjourned at 8:21 p.m.)**

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C E R T I F I C A T E

I, **Steven E. Patnaude**, a Licensed Court Reporter within the State of New Hampshire, do hereby certify that the foregoing is a true and accurate transcript of my stenographic notes of the Antrim Wind Public Informational meeting, taken at the place and on the date hereinbefore set forth.

I further certify that I am neither attorney nor counsel for, nor related to or employed by any of the parties to the action in which this meeting was held, and further that I am not a relative or employee of any attorney or counsel employed in this case, nor am I financially interested in this action.

  
Steven E. Patnaude, LCR No. 52