

**In The Matter Of:**  
*LIVINGSTON COUNTY ZONING BOARD OF APPEALS*

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*February 9, 2015*

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1 LIVINGSTON COUNTY ZONING BOARD OF APPEALS  
 2 CASE SU-7-14  
 3 PLEASANT RIDGE WIND ENERGY PROJECT  
 4 February 9, 2015  
 5 6:30 PM  
 6 Pontiac Township High School  
 7 Pontiac, Illinois  
 8 BOARD MEMBERS  
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 10 Rich Kiefer  
 11 John Vitzthum  
 12 Joan Huisman  
 13 Diana Iverson  
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1 (Commencing at 6:29 p.m.)  
 2 **CHAIRMAN CORNALE:** All right. If we can  
 3 go ahead and make our way to our seats, we'll get  
 4 going this evening. Call the meeting to order.  
 5 Chuck, roll call please.  
 6 **MR. SCHOPP:** This is the February 9th,  
 7 2015, continuation hearing of the Livingston County  
 8 Zoning Board of Appeals review of Livingston County  
 9 Zoning Case SU-7-14, Pleasant Ridge Energy, LLC,  
 10 Pleasant Ridge Wind Energy project.  
 11 Roll call is Michael Cornale.  
 12 **CHAIRMAN CORNALE:** Here.  
 13 **MR. SCHOPP:** John Vitzthum.  
 14 **MR. VITZTHUM:** Here.  
 15 **MR. SCHOPP:** Richard Kiefer.  
 16 **MR. KIEFER:** Here.  
 17 **MR. SCHOPP:** Diana Iverson.  
 18 **MS. IVERSON:** Here.  
 19 **MR. SCHOPP:** Howard Zimmerman. Joan  
 20 Huisman.  
 21 **MS. HUISMAN:** Here.  
 22 **MR. SCHOPP:** Gibs Nielsen. We have a  
 23 quorum. Just a quick announcement so everyone's  
 24 aware. After tonight, we have a meeting tomorrow

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1 night, which is scheduled for the 10th of February  
 2 at Walton Centre in Fairbury. Next week, we have  
 3 one scheduled for Tuesday the 17th and Wednesday the  
 4 18th. And the following week, it's on Monday the  
 5 23rd and Wednesday the 25th. And all four of those  
 6 meetings will be in Fairbury at the Walton Centre at  
 7 this point in time.  
 8 **CHAIRMAN CORNALE:** All right. I'd like to  
 9 take this opportunity to welcome everybody here this  
 10 evening. It looks like this evening we have  
 11 individuals kind of scheduled to testify. Mr.  
 12 Luetkehans has provided us a list of some  
 13 individuals along with a list we'll work off of that  
 14 you guys have been signing up for.  
 15 Again, remind everybody that if you do  
 16 plan to speak, please sign up. I know Jane is out  
 17 there yet this evening taking names, so please make  
 18 sure you do that.  
 19 With that, I guess we'll get going. Mr.  
 20 Luetkehans, if you want to call your witness forward  
 21 or if you want us to or however you want to work  
 22 this out.  
 23 **MR. LUETKEHANS:** Yeah. If I may, we have,  
 24 as you know, Mike McCann testifying tomorrow night.

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1 I would like to at least hand out his report tonight  
 2 so that the board has the opportunity to look at it  
 3 if they have time. I know I'm not giving them a lot  
 4 of time. Mr. Blazer received that Friday, at least  
 5 the final report. He received a draft a couple days  
 6 before that. And I know Mr. Griffin and Mr.  
 7 Blakeman received it Friday as well.

8 So I would like to at least get this in  
 9 your hands, because, as you know, the reports that  
 10 Invenergy did you all had well before their  
 11 testimony. I'm just hoping that I can help out a  
 12 little bit and move this process along. So this  
 13 would be UCLC 7.

14 And we would ask Marvin Stichnoth to come  
 15 to the stand.

16 **CHAIRMAN CORNALE:** Mr. Stichnoth, if you  
 17 could for me, please, would you like to be affirmed  
 18 or take an oath?

19 **MR. STICHNOTH:** I don't really care.

20 **CHAIRMAN CORNALE:** Okay. Could you please  
 21 raise your right hand?  
 22 (Marvin Stichnoth was duly sworn.)

23 **CHAIRMAN CORNALE:** All right. Could you  
 24 please state your name and address for our court

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1 reporter?

2 **MR. STICHNOTH:** My name is Marvin  
 3 Stichnoth. My address is 2836 East 1160 North Road,  
 4 Milford, Illinois.

5 **CHAIRMAN CORNALE:** Mr. Stichnoth, could  
 6 you please spell your last name for our reporter?

7 **MR. STICHNOTH:** I often have to do that.  
 8 S-T-I-C-H-N-O-T-H.

9 **CHAIRMAN CORNALE:** Thank you. Mr.  
 10 Luetkehans, you may proceed.

11 **MR. LUETKEHANS:** I think Mr. Stichnoth has  
 12 just a statement he'd like to make or statement he'd  
 13 like to read or say, and I'll just let him go  
 14 forward if that's acceptable.

15 **MR. STICHNOTH:** I live in -- near Sheldon  
 16 Township in Iroquois County where the location of  
 17 the Settlers Trail wind farm was built two and a  
 18 half years, three years ago. In the past, I've  
 19 always been excited about wind energy. When the  
 20 wind farm was built in Bloomington, I would go over  
 21 on rare occasions, drive through it. I thought this  
 22 is great. Sure would be great if it could come to  
 23 my area.

24 Well, probably five, six years ago a wind

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1 farm was built in Indiana across the state line from  
 2 me. I live three and a half miles from the Indiana  
 3 state line, and in Benton County, one of the first  
 4 wind farms in that area was built. And I was  
 5 watching it being built and was pretty exciting. It  
 6 went into action and I thought it was pretty great  
 7 to have it over there.

8 Well, a couple years later, a wind farm  
 9 was planned in my area and I thought, hey, that's  
 10 great, this is free energy, so to speak, which I  
 11 learned later is not free, but I was very excited to  
 12 see it being built. I watched it carefully as it  
 13 was built. The nearest one was about a mile from me  
 14 and there were several more just a little bit  
 15 farther than that.

16 It's probably about two years, two and a  
 17 half years ago in the summer it started in  
 18 operation. When I would be sleeping at night, I  
 19 would hear this low, very low frequency noise.  
 20 Sounded like a jet plane in the distance or a  
 21 freight train several miles away, but it never got  
 22 any closer. It just was a constant low frequency  
 23 noise.

24 One night, my wife was gone and it was

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1 exceptionally bad. I got up and couldn't believe  
 2 what it was. I got out and walked out into the yard  
 3 in the middle of the night, and sure enough, the  
 4 wind turbines were roaring something terrible.

5 Well, in the meantime, we -- my wife and I  
 6 put up with it for a couple years. It doesn't  
 7 happen every night because the wind doesn't blow  
 8 every night, and I'm a mile away, so the conditions  
 9 have to be right for it to be really annoying. I  
 10 certainly feel sorry for the people who have them  
 11 all around them.

12 But we would lay there at night and  
 13 usually we'd go to sleep by the TV. Then maybe two  
 14 o'clock, three o'clock in the morning we'd wake up  
 15 with this roar. You couldn't -- you couldn't get  
 16 away from it. You'd go into the bathroom in the  
 17 middle of the house, shut the doors, and it would  
 18 penetrate. It's such a low frequency that nothing  
 19 stops it. It -- I'd put my pillow over my head and  
 20 still it would come through. It's hard to imagine  
 21 if you don't experience it the low frequency that is  
 22 so irritating.

23 Well, what can you do? Finally, my wife  
 24 says we've got to do something. So she got a box

1 window fan that sat on the floor of the bedroom, and  
 2 now for six months now we've been running the box  
 3 fan at night. And it's a low frequency too, but  
 4 it's not so irritating and it's just loud enough  
 5 that it drowns out the sound of the wind turbines.  
 6 I still -- I still don't have a good  
 7 night's sleep when they're running. Somehow it --  
 8 the fan overpowers the wind turbines, but it still  
 9 penetrates your body and it still causes sleep  
 10 deprivation. What I don't quite understand is  
 11 President Obama has determined that sleep  
 12 deprivation is a form of torture and is not to be  
 13 used on prisoners of war. So why is it used upon us  
 14 who live in the wind farm area?  
 15 Really, that's pretty much all I've got to  
 16 say.  
 17 **QUESTIONS BY**  
 18 **MR. LUETKEHANS:**  
 19 Q. Mr. Stichnoth, I have a couple -- one real  
 20 follow-up question. Do you know whether Iroquois  
 21 County has changed their ordinances related to wind  
 22 turbines recently to protect the citizens of the  
 23 county?  
 24 **A. I'm glad you asked this. I was on the**

1 Illinois Pollution Control Board sound requirements  
 2 for nighttime levels previously or was it more  
 3 stringent before?  
 4 **A. It was more stringent than what the**  
 5 **Illinois Pollution Board. We looked at other**  
 6 **ordinances throughout the country and tried to come**  
 7 **up with something that somewhat mirrored some of the**  
 8 **ones that we saw that we thought were effective.**  
 9 **CHAIRMAN CORNALE:** Okay, all right, very  
 10 good. All right. Any units of local government,  
 11 school districts, that have any questions for Mr.  
 12 Stichnoth? Anybody out there? All right.  
 13 Mr. Blazer, do you have any questions for  
 14 Mr. Stichnoth.  
 15 **MR. BLAZER:** I do, Mr. Cornale, thank you.  
 16 **QUESTIONS BY**  
 17 **MR. BLAZER:**  
 18 Q. Mr. Stichnoth, the wind farm that you're  
 19 talking about is Settlers Trail?  
 20 **A. Yes, it is.**  
 21 Q. And that's operated by a company called  
 22 E.ON?  
 23 **A. That's correct.**  
 24 Q. That's E period O N?

1 **county board here the last couple years and I was on**  
 2 **the zoning committee and used my experience to help**  
 3 **rewrite zoning ordinances to try to protect the**  
 4 **citizens of Iroquois County in the future.**  
 5 Q. How were those rewritten?  
 6 **A. We increased the setback, we established**  
 7 **noise limits. Those are the things that come to**  
 8 **mind, you know, without looking at the ordinance**  
 9 **again.**  
 10 Q. You said they increased the setback. Do  
 11 you know what the increase to the setback was?  
 12 **A. We established it to be 12 rotor diameters**  
 13 **from the foundation of any house, and as I**  
 14 **understand it, that's going to be changed pretty**  
 15 **soon to 12 rotor diameters from property lines, and**  
 16 **that is only for nonparticipants. And anyone can**  
 17 **opt out of that. You can allow it closer.**  
 18 **MR. LUETKEHANS:** Thank you. I have  
 19 nothing further for Mr. Stichnoth. Wait a second,  
 20 Mr. Stichnoth, people may have questions for you.  
 21 **CHAIRMAN CORNALE:** Any other board members  
 22 have questions? Anything? One question is you made  
 23 reference to the sound that the -- as the county,  
 24 Iroquois County, changed it. Did it mirror the

1 **A. Yes.**  
 2 Q. Now, you described the sound that you  
 3 heard as low frequency noise; is that correct?  
 4 **A. That's correct.**  
 5 Q. And how do you know that?  
 6 **A. Pardon me?**  
 7 Q. How do you know it's low frequency noise?  
 8 **A. Well, I live with it every day.**  
 9 Q. Right, I --  
 10 **A. You can pretty much tell high frequency**  
 11 **from low frequency. My wife is a musician and she's**  
 12 **very adept at the frequency levels.**  
 13 Q. But you can hear, you can clearly hear  
 14 roaring that you described as low frequency noise,  
 15 right?  
 16 **A. Yes, very clearly.**  
 17 Q. Okay. Am I correct that you've been  
 18 pretty vocal about your complaints regarding this  
 19 wind farm? Is that a fair statement? At least when  
 20 you were on the county board.  
 21 **A. Yes, I expressed my feelings and I**  
 22 **expressed my opinion on what should happen and how**  
 23 **it -- the citizens of Iroquois County should be**  
 24 **protected, yes.**

1 Q. And, you know, I did some checking and it  
2 looked like you were the one who -- on the Iroquois  
3 County board, you were the one who took the lead on  
4 this issue. And I think you mentioned that, see how  
5 you described it, that you used your experience to  
6 help rewrite the ordinance; is that correct?

7 **A. Yes, I did. And I was not the lead.  
8 There was a team that was leading.**

9 Q. Okay. And you gathered -- I think  
10 starting sometime in early 2011 you started  
11 gathering information on wind farms, right?

12 **A. Yes, as soon as I became aware of the  
13 conditions living in them, I did start trying to  
14 gather evidence from all over on what other people  
15 were experiencing.**

16 Q. And that was from the Internet?

17 **A. Yes, part of it was from the Internet,  
18 part of it was from personal experience with  
19 interaction with people.**

20 Q. Okay. Could you tell me some of the sites  
21 that you looked at on the Internet to find this  
22 information that you were gathering?

23 **A. I'm sorry, I looked at so many sites and  
24 I'm not prepared to -- this has been a couple years**

1 **MR. BLAZER:** I think that's testimony, not  
2 an objection, so --

3 **A. I'd like to point out --**

4 **MR. BLAZER:** He has to rule first.

5 **CHAIRMAN CORNALE:** Yeah, we'll go ahead  
6 and allow these questions just based on you did make  
7 some reference to some experiences, both yours and  
8 some other information. So we'll allow these, but  
9 we're kind of on the borderline.

10 **MR. BLAZER:** I understand.

11 **BY MR. BLAZER:**

12 Q. Do you remember going onto a site called  
13 Wind Turbine Syndrome?

14 **A. I'm sorry, I don't -- no, I don't recall  
15 that one.**

16 Q. All right. Now, Settlers Trail began  
17 operating in 2011, right?

18 **A. Well, I can't -- yeah, I don't really  
19 remember the exact year. When -- when you live in  
20 hell, it seems like time just passes and you don't  
21 know.**

22 Q. Well, do you remember that it operated  
23 in -- it began operating in phases, part of it  
24 toward the end of 2012 -- 2010, excuse me, and then

1 **ago, so I really don't -- I'm not prepared to tell  
2 you what sites.**

3 Q. Well, for example, was one of them a site  
4 called National Wind Watch?

5 **A. I looked at that a little bit, yeah, but  
6 that's only one of many.**

7 Q. Right. Another one was Illinois Wind  
8 Watch, do you remember that one?

9 **A. I'm not familiar with Illinois Wind Watch.**

10 **MR. LUETKEHANS:** I'm going to object to  
11 this being beyond the scope. He was testifying as  
12 to his personal basis and what he did. What he  
13 reviewed was not -- he didn't sit here and say what  
14 other sites said or what everybody else said. He  
15 just talked about his personal experience and what  
16 he did.

17 **MR. BLAZER:** Well, he didn't just talk  
18 about his personal experience. He said he used his  
19 experience to help rewrite the ordinance. I think  
20 it's important to find out what his experience is  
21 based on.

22 **MR. LUETKEHANS:** And he is one of how many  
23 county board members, 20 something? One person's  
24 feelings is not the county board.

1 another part of it early 2011? Does that ring a  
2 bell?

3 **A. I --**

4 **MR. LUETKEHANS:** Objection. And he just  
5 testified he didn't recall.

6 **MR. BLAZER:** Well, I'm trying to see if we  
7 can plumb the depths of his recollection.

8 Q. Do you remember that, sir?

9 **A. I remember they started building them in  
10 the winter and they were having a terrible time  
11 because of the conditions. I don't believe any were  
12 running in the end of that particular year,  
13 whichever it was, but as the next year  
14 enfolded[sic], I think towards spring or summer, a  
15 very few of them started running, and more of them  
16 ran as the year went on, whichever year that was.**

17 Q. Well, do you recall that in early 2011 an  
18 organization called Illinois Wind Watch began  
19 participating in an anti-wind effort in Iroquois  
20 County?

21 **A. Actually, no. I don't recall anything  
22 about Wind Watch being in Iroquois County.**

23 Q. Well, let me see if we can refresh your  
24 recollection.

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1       **MR. LUETKEHANS:** I'm going to object to  
 2 the relevance to this. We're going way afield now.  
 3 What Illinois Wind Watch did in Iroquois County is  
 4 completely irrelevant and is being used to do  
 5 nothing but taint the witness.  
 6       **MR. BLAZER:** Again, he's talking about his  
 7 experience. He said he did research. I'm trying to  
 8 find out where he got the information.  
 9       **MR. LUETKEHANS:** And Illinois Wind Watch  
 10 coming into the county is not doing research.  
 11       **CHAIRMAN CORNALE:** And he did make  
 12 reference he did not have knowledge of that coming  
 13 in, so --  
 14       **A. I don't think -- I don't think they came**  
 15 **in. I have no knowledge of that.**  
 16       **CHAIRMAN CORNALE:** Okay, he genuinely  
 17 doesn't have knowledge of Illinois Wind Watch --  
 18       **MR. BLAZER:** Okay.  
 19       **CHAIRMAN CORNALE:** -- having a presence in  
 20 the county.  
 21 **BY MR. BLAZER:**  
 22       **Q.** You were on the Iroquois County Board in  
 23 February 2011?  
 24       **A. I -- I don't think I took office until**

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1       **2012 in December. Yeah, it was 2012, December 1st**  
 2 **of 2012 when I took office.**  
 3       **Q.** Well, you're no longer on the board,  
 4 right?  
 5       **A. That's correct.**  
 6       **Q.** And you served for a four year term or a  
 7 two year term?  
 8       **A. A two year term.**  
 9       **Q.** Okay. So you're not aware that in -- on  
 10 February 8, 2011, Barb Offill of Illinois Wind Watch  
 11 and representing the Iroquois County Tea Party  
 12 invited any persons interested to a wind energy  
 13 informational meeting that would show the other side  
 14 of the wind farms?  
 15       **MR. LUETKEHANS:** Objection.  
 16       **Q.** Meeting to be held at the Masonic Lodge in  
 17 Watseka --  
 18       **MR. LUETKEHANS:** Objection, he just  
 19 said --  
 20       **Q.** -- on February 10, 2011?  
 21       **MR. LUETKEHANS:** He just said that he had  
 22 no knowledge of Illinois Wind Farm[sic] coming into  
 23 town. You can keep asking the question, but the  
 24 answer is he had no knowledge. If you want to have

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1 someone testify to that, that's fine, but this isn't  
 2 the witness to do that.  
 3       **CHAIRMAN CORNALE:** Right, the only -- I  
 4 guess the only thing is was there a sign-in? Did he  
 5 sign in to the February 11th Wind Watch meeting?  
 6 Was he present at that meeting? Otherwise, he  
 7 doesn't have any reference to a 2011 meeting.  
 8       **A. Okay, I do remember I attended that**  
 9 **meeting. I had no knowledge that it was --**  
 10 **CHAIRMAN CORNALE:** Okay.  
 11       **A. -- Wind Watch.**  
 12       **CHAIRMAN CORNALE:** All right. Mr. Blazer,  
 13 you can continue with Wind Watch questions from  
 14 February the 11th.  
 15       **MR. BLAZER:** Thank you, sir.  
 16       **A. I frankly thought that was Tea Party.**  
 17       **CHAIRMAN CORNALE:** Well, it was Tea Party  
 18 and Wind Watch it sounds like.  
 19 **BY MR. BLAZER:**  
 20       **Q.** Now, Mr. Stichnoth, I've handed you what's  
 21 been marked as Pleasant Ridge Exhibit 315, which are  
 22 the -- is an excerpt from the Iroquois County Board  
 23 meeting minutes dated February 8th, 2011. And I'm  
 24 referring to the last page, the very last page, the

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1 first paragraph up there. And you'll see up there  
 2 it says, "Finally Barb Offill, that's O-F-F-I-L-L,  
 3 representing the Iroquois County Tea Party invited  
 4 any persons interested to a wind energy  
 5 informational meeting that would show the other side  
 6 of wind farms. The meeting will be held at the  
 7 Masonic Lodge in Watseka on February 10, 2011."  
 8       And you were at that meeting, correct?  
 9       **MR. LUETKEHANS:** Would someone actually  
 10 show me where Illinois Wind Watch is even mentioned  
 11 in here because this is a wind energy informational  
 12 meeting?  
 13       **A. Yeah, I frankly didn't know it was a Wind**  
 14 **Watch. I thought it was an informational meeting**  
 15 **and I think Mrs. Offill is some connection with the**  
 16 **Tea Party.**  
 17       **Q.** Let me see if I can clarify that for you,  
 18 sir.  
 19       **CHAIRMAN CORNALE:** Just a question. I  
 20 know this makes reference to the meeting, but what  
 21 -- is there additional relevance to this particular  
 22 exhibit?  
 23       **MR. BLAZER:** There is with this one.  
 24       **CHAIRMAN CORNALE:** Okay.

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1 **BY MR. BLAZER:**  
 2 Q. What I've handed you, Mr. Stichnoth, is a  
 3 printout from the Illinois Wind Watch website from  
 4 early 2011, and you'll see at the beginning there it  
 5 says the Watseka Iroquois County Tea Party joined  
 6 forces with Illinois Wind Watch and Energize  
 7 Illinois due to the industrial wind farms coming to  
 8 Iroquois County and it goes on and on.  
 9 And then the people who put this out, if  
 10 you go all the way to the end, you'll see it's  
 11 Carol, for some reason here it's Carol, Carol  
 12 Gerwin, and on the last page there, Barb Offill, do  
 13 you see that? You've got to flip --  
 14 **MR. LUETKEHANS:** And I'm still trying to  
 15 see how this ties into a February 11th meeting  
 16 that's not mentioned in here at all.  
 17 Q. If you can flip around to the back page,  
 18 you'll see Ms. Offill's name. Do you --  
 19 **MR. LUETKEHANS:** I have an objection as to  
 20 how some Tea Party document goes out and somehow is  
 21 relevant to a February 11th meeting that isn't  
 22 mentioned in this document. This is nothing more  
 23 than an attempt to somehow tie people together with  
 24 no real tie. This is the exact same thing we saw

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1 with Nina Pierpont's husband. Let's talk about the  
 2 evidence and not try and slander someone who came in  
 3 to testify about it.  
 4 **MR. BLAZER:** I'm not trying to slander  
 5 this witness. I'm trying to find out what the basis  
 6 is for some of his testimony. And he said --  
 7 **MR. LUETKEHANS:** It sure isn't Illinois  
 8 Wind Watch because he said he never saw it.  
 9 **MR. BLAZER:** He said he thought --  
 10 **CHAIRMAN CORNALE:** Okay, all right, you  
 11 guys. He's made reference to attending the meeting.  
 12 He could attend the meeting for purposes of  
 13 information gathering or to have a bias. Okay. I  
 14 allowed questions in regards to the attendance of  
 15 that meeting, okay. We haven't had questions  
 16 regarding the attendance of that meeting. So, Mr.  
 17 Blazer, if you can focus on the information that he  
 18 gathered at that meeting or his activity  
 19 thereafter --  
 20 **MR. BLAZER:** Okay.  
 21 **CHAIRMAN CORNALE:** -- with regard to that  
 22 group, that would be fine, but I'm not sure how -- I  
 23 mean I understand this group and this group tie  
 24 together, but that isn't him yet.

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1 **MR. BLAZER:** I understand.  
 2 **MR. LUETKEHANS:** And Illinois Wind Watch  
 3 has still not been shown to be at this meeting.  
 4 **A. Mr. Blazer, don't you think it's prudent**  
 5 **that I should try to educate myself in all ways**  
 6 **possible --**  
 7 Q. Absolutely, sir.  
 8 **A. -- to help write some ordinances?**  
 9 Q. Of course. So since we both agree that  
 10 it's prudent that you try to educate yourself, I  
 11 assume that you did by going to this meeting that  
 12 we've been talking about, correct?  
 13 **A. This is one meeting that I attended, yes.**  
 14 Q. You did. Very good, sir. I appreciate  
 15 that, thank you.  
 16 **MR. LUETKEHANS:** You know what? I'm going  
 17 to move to strike all the questions about Illinois  
 18 Wind Watch. There still is no evidence that  
 19 Illinois Wind Watch was at this meeting.  
 20 **MR. BLAZER:** He just said he --  
 21 **MR. LUETKEHANS:** No, he said he attended a  
 22 meeting. He never said Illinois Wind Watch. You're  
 23 the only one that keeps talking about Illinois Wind  
 24 Watch. There's not one piece of evidence that talks

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1 about Illinois Wind Watch being at this meeting.  
 2 Not one.  
 3 **MR. BLAZER:** Except, of course, the board  
 4 meeting on February 8th which indicated that  
 5 Illinois Wind Watch was putting on the meeting.  
 6 **MR. LUETKEHANS:** You show me somewhere  
 7 where Illinois Wind Watch is mentioned in that  
 8 meeting and I'll listen to you. It says a wind  
 9 energy informational meeting. You can say it as  
 10 many times as you want; it's not in there.  
 11 **MR. BLAZER:** You know, shouting it louder  
 12 doesn't make it any better.  
 13 **MR. LUETKEHANS:** Well, since you don't --  
 14 **CHAIRMAN CORNALE:** All right.  
 15 **MR. LUETKEHANS:** -- listen the first time,  
 16 I've got to keep saying it.  
 17 **CHAIRMAN CORNALE:** Okay, okay, you guys.  
 18 **A. And I did state that I wasn't aware that**  
 19 **Wind Watch was there.**  
 20 **CHAIRMAN CORNALE:** Hold on, hold on. Mr.  
 21 Luetkehans is right. The -- it says wind energy  
 22 informational meeting. It clearly says that.  
 23 Clearly. So it doesn't say Illinois Wind Watch.  
 24 The only correlation would be the Iroquois County

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1 Tea Party. Those are both referenced very  
 2 blatantly, so...

3 **MR. BLAZER:** And that's why we also  
 4 introduced 314, Mr. Cornale, because that's the one  
 5 that indicates that the Iroquois County Tea  
 6 Party/Illinois Wind Watch were working together in  
 7 that effort.

8 **MR. LUETKEHANS:** As of what date? I don't  
 9 see a date on here. I don't see anything. As of  
 10 last week? I mean who knows when this is.

11 **MR. BLAZER:** It was before June 2011  
 12 because that's when they were heading toward -- read  
 13 the document, Phil, you'll see. I think you already  
 14 have. You're just doing this for show.

15 **MR. LUETKEHANS:** You know what? I'm going  
 16 to object right now. That's absolutely improper.

17 **CHAIRMAN CORNALE:** All right.

18 **MR. LUETKEHANS:** And I would ask counsel  
 19 to tell Mr. Blazer that that's not how this should  
 20 be -- how this should be occurring. We need some  
 21 civility here and some actual trying to get to  
 22 evidence instead of trying to imply that people are  
 23 somehow doing something they're not, including the  
 24 witness.

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1 **CHAIRMAN CORNALE:** Okay. We will move to  
 2 strike the comments from Mr. Blazer towards Mr.  
 3 Luetkehans. We're not here to have a whatever we're  
 4 having. Okay, now we need to move forward with the  
 5 evidence that we've got. I've asked and I'm going  
 6 to implore that you ask the questions specifically  
 7 about the meeting that he attended. If there's some  
 8 information that you'd like to gather from that  
 9 meeting from him, ask those questions. Otherwise,  
 10 we're going -- we're going to move on or we may move  
 11 on without you.

12 **BY MR. BLAZER:**

13 Q. So just so we're clear, you did attend  
 14 this wind informational meeting February 2011,  
 15 correct?

16 **A. I definitely did because I needed to**  
 17 **educate myself on all aspects.**

18 Q. All right. And do you remember the names  
 19 of any of the people who were there putting on this  
 20 informational meeting?

21 **A. I assume Barb Offill was. I'm not sure**  
 22 **who else was involved.**

23 Q. Okay. Do you remember Carolyn Gerwin  
 24 being there?

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1 **A. I did not know Carolyn at that time, so**  
 2 **no, at that time I was not aware of her.**

3 Q. Do you know her now?

4 **A. Yes, I do know her now.**

5 Q. And how did you come to know Ms. Gerwin?

6 **A. I --**

7 **MR. LUETKEHANS:** Objection as to  
 8 relevance.

9 **CHAIRMAN CORNALE:** Okay, he said he didn't  
 10 know her at that meeting, you're still on the  
 11 meeting and --

12 **MR. BLAZER:** I'll move on.

13 **CHAIRMAN CORNALE:** -- he said -- okay,  
 14 thank you.

15 **MR. BLAZER:** I'll move on.

16 **BY MR. BLAZER:**

17 Q. Did you elect -- did you decide not to run  
 18 again next year?

19 **A. No, I was defeated.**

20 Q. All right. What was the name of your  
 21 opponent?

22 **A. There were --**

23 **MR. LUETKEHANS:** Objection, relevance.

24 **A. I think there were three, three opponents**

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1 **or four.**

2 **MR. LUETKEHANS:** Objection, relevance.

3 **CHAIRMAN CORNALE:** Mr. Blazer.

4 **MR. BLAZER:** All right.

5 **BY MR. BLAZER:**

6 Q. You do know since you left the board that  
 7 the board is revisiting the language of the Iroquois  
 8 County wind ordinance, right?

9 **A. That's my understanding. I mean I**  
 10 **attended the last zoning, Zoning and Planning**  
 11 **Commission meeting, and they did discuss that.**

12 Q. And did you attend the last actual county  
 13 board meeting on January 13?

14 **A. Yes, I think that's my civic duty to**  
 15 **attend meetings.**

16 Q. And one of the things they're going to  
 17 revisit are the setbacks that were established when  
 18 you were on the board?

19 **A. From what I heard at the zoning meeting, I**  
 20 **think that's what they're going to do.**

21 Q. Okay.

22 **MR. BLAZER:** That's all I have, sir.

23 **CHAIRMAN CORNALE:** Thank you. All right.  
 24 Have any other interested parties from the audience

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1 that would like to ask Mr. Stichnoth a question?  
 2 You may come forward if you want. You'll need to  
 3 identify yourself. Pose your question.  
 4 **MR. KELSON:** Okay, I'm Nate Kelson from  
 5 rural Fairbury. Just had one question for you on  
 6 your personal experience.  
 7 **MR. BLAZER:** I believe Mr. Kelson is one  
 8 of Mr. Luetkehans's clients.  
 9 **CHAIRMAN CORNALE:** He has the  
 10 opportunity --  
 11 **MR. KELSON:** I'm not one of his clients,  
 12 but I will be speaking. I just have one question  
 13 for you tonight on --  
 14 **MR. BLAZER:** If we could just stop for a  
 15 second, I thought he was on Mr. Luetkehans's list.  
 16 Am I wrong, Phil?  
 17 **MR. BLAKEMAN:** No, he's not on the list.  
 18 **MR. BLAZER:** No? Okay. My apologies.  
 19 **QUESTIONS BY**  
 20 **MR. KELSON:**  
 21 Q. On your personal experience, I just was  
 22 curious, had you ever tried to leave -- you  
 23 mentioned about the sleep deprivation.  
 24 **A. I'm sorry, say that --**

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1 Q. You mentioned about it interrupting your  
 2 sleep.  
 3 **A. Oh, yeah.**  
 4 Q. Have you ever tried to go somewhere else  
 5 for a night or two nights, three nights, and have  
 6 you noticed that you sleep differently if you were  
 7 outside the footprint versus inside the footprint?  
 8 **A. I'm glad you asked that. My wife has a**  
 9 **maiden aunt in Des Moines in a nursing home and it's**  
 10 **up to us to take care of her, so we four or five**  
 11 **times a year go out to Des Moines, stay in a motel.**  
 12 **The motel happens to be about 500 feet from**  
 13 **Interstate 80/35, the window facing the highway,**  
 14 **traffic out there. I get very good sleep there.**  
 15 **The noise is not a constant uninterrupted roar.**  
 16 **It's traffic that comes and goes and ups and downs.**  
 17 **That is not disturbing like this constant low**  
 18 **frequency damned awful roar.**  
 19 **MR. KELSON:** That was all I had.  
 20 **CHAIRMAN CORNALE:** Thank you. Anybody  
 21 else from the audience have any questions for Mr.  
 22 Stichnoth?  
 23 **MR. SLAGEL:** Hello?  
 24 **CHAIRMAN CORNALE:** Please state your name.

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1 **MR. SLAGEL:** John Slagel.  
 2 **QUESTIONS BY**  
 3 **MR. SLAGEL:**  
 4 Q. I've heard you speak before, and one of  
 5 the interesting things you talked about the last  
 6 time I heard you talk was the difference between the  
 7 effect of the red lights on you and your wife.  
 8 Could you talk about that a little?  
 9 **A. Well, the red lights you can do something**  
 10 **about in the house. We spent a fair amount of money**  
 11 **for vertical blinds on the patio door, we bought**  
 12 **heavier curtains, we bought blinds for the windows.**  
 13 **That's -- that doesn't bother me so much because I'm**  
 14 **able to shut that out. My wife doesn't feel quite**  
 15 **the same as I do, she's upset with them, but that's**  
 16 **something you can maybe plant a tree and in 20 years**  
 17 **it will block out the light.**  
 18 **But the light is not as offensive as sleep**  
 19 **deprivation. Sleep deprivation is a health hazard.**  
 20 **If you don't get that deep sleep or the REM movement**  
 21 **of your eyes, if you don't get that, which with the**  
 22 **real low frequency you don't seem to, then you just**  
 23 **don't wake up rested in the morning. And if you**  
 24 **don't wake up rested, you can't perform.**

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1 Q. Thank you. Also, do you know -- do you  
 2 know, is it like one particular turbine affecting  
 3 your -- making the noise or is it a group? Do you  
 4 have any experience there?  
 5 **A. Well, there's approximately five or six of**  
 6 **them lined up on the township line, and I'm just**  
 7 **barely south of the township line, so no, I can't**  
 8 **say which one's doing it.**  
 9 Q. Okay. And how far -- like you said it's  
 10 about a mile. Do you know the exact distances?  
 11 **A. According to Google Earth, it's 1.18 miles**  
 12 **from the nearest one, and there are several that are**  
 13 **just a little farther than that.**  
 14 **MR. SLAGEL:** Okay, thank you. That's all  
 15 I have.  
 16 **CHAIRMAN CORNALE:** Thank you. Anybody  
 17 else in the audience have questions? Who does?  
 18 Please state your name for our court  
 19 reporter.  
 20 **MR. BIECK:** My name is Dr. Dan Bieck. I'm  
 21 a veterinarian from Blackstone, Illinois.  
 22 **QUESTIONS BY**  
 23 **MR. BIECK:**  
 24 Q. In reference to your sleep disturbance,

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1 going back to the very beginning of the ZBA  
 2 hearings, the wind energy side had a lady come up  
 3 that showed studies that the quality of life of  
 4 people was not affected. And she stated that the  
 5 people they had done research on, their lives had  
 6 not changed a whole lot, but she failed to mention  
 7 whether the people actually enjoyed the windmills or  
 8 liked the windmills there. Would you say with your  
 9 experience that your quality of life has been  
 10 diminished?  
 11 **A. It definitely has been diminished. If you**  
 12 **don't wake up rested in the morning, how can your**  
 13 **quality of life be good? You just -- you just don't**  
 14 **feel good. And there is evidence that sleep**  
 15 **deprivation over the long-term causes definite**  
 16 **health problems.**  
 17 Q. Is there a level of annoyance of them  
 18 visually? Do you mind looking at them?  
 19 **A. My wife hates looking at them. I don't**  
 20 **care. They don't bother me as far as looking at**  
 21 **them. Some people don't like to see them in the --**  
 22 **on the horizon, but frankly, no, the actual, you**  
 23 **know, sight of them being there doesn't bother me.**  
 24 **It's the noise. When the noise affects my quality**

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1 **of life, that's what I really object to.**  
 2 Q. Okay.  
 3 **A. And like I said before, I was really**  
 4 **enthused about them until they came to live with me.**  
 5 **MR. BIECK:** Thank you.  
 6 **CHAIRMAN CORNALE:** Anybody else? Don't  
 7 see anybody. All right, any questions come up,  
 8 counsel? County staff? All right, Mr. Stichnoth,  
 9 thank you for coming out this evening.  
 10 Let the record indicate Pleasant Ridge  
 11 Exhibit 315 is the Official Proceedings of the  
 12 County Board of Iroquois County Recessed Session  
 13 February 8, 2011. And let the record indicate  
 14 Pleasant Ridge Exhibit 314 is the Illinois Wind  
 15 Watch four page document. There's not really a good  
 16 date.  
 17 **MR. BLAZER:** I'll follow up with a date  
 18 later, Mr. Cornale.  
 19 **CHAIRMAN CORNALE:** All right. Okay. Mr.  
 20 Luetkehans, you can go ahead with your next witness  
 21 if you'd like.  
 22 **MR. LUETKEHANS:** We would ask Paula Kelson  
 23 to testify, K-E-L-S-O-N.  
 24 **CHAIRMAN CORNALE:** Ms. Kelson, if you

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1 could please raise your right hand.  
 2 (Paula Kelson was duly affirmed.)  
 3 **CHAIRMAN CORNALE:** Can you please state  
 4 your name and address for the court reporter?  
 5 **MS. KELSON:** My name is Paula Kelson. My  
 6 address is 10849 North 2400 East Road, Fairbury.  
 7 **MR. LUETKEHANS:** Paula, you're going to  
 8 need to keep that a little closer.  
 9 **MS. KELSON:** Okay.  
 10 **CHAIRMAN CORNALE:** There you go.  
 11 **MR. LUETKEHANS:** I know you have a  
 12 statement to make. I would just -- feel free to  
 13 make it please.  
 14 **MS. KELSON:** Okay. Hello, my name is  
 15 Paula Kelson. I live in the country with my  
 16 wonderful husband and four young children under age  
 17 ten. We live within one mile of nine proposed wind  
 18 turbine locations. It is uncomfortable for me to  
 19 share my experience in a public setting, but I hope  
 20 that you will consider this testimony in making your  
 21 decision.  
 22 To see what the turbines are like, I very  
 23 briefly visited the turbines near Bloomington.  
 24 Another time I visited the Cal Ridge area staying

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1 for about 45 minutes. Shortly before leaving the  
 2 Cal Ridge area, I noticed a slight ringing in my  
 3 ears which stopped after we drove away. It was a  
 4 little strange and I was not expecting that at all.  
 5 With some encouragement from a family member, I  
 6 decided to visit the Streator Cayuga wind turbines.  
 7 I wanted to see what they were like up close and in  
 8 every direction.  
 9 So last fall I drove up north with another  
 10 adult and four children. Wind speed was around 20  
 11 miles per hour. I told the children we were just  
 12 going to look at the wind turbines and play outside.  
 13 They were excited and thought it was a fun outing.  
 14 While driving down the road, within several minutes  
 15 of being inside the footprint with the windows up, I  
 16 noticed that my ears popped, similar to when you are  
 17 changing elevation driving through the mountains,  
 18 and continued to pop periodically to relieve  
 19 pressure. After driving a few miles, they could no  
 20 longer pop and I felt some pressure building.  
 21 Again, I was not expecting anything like this.  
 22 Our first stop was between 14 to 1600 feet  
 23 downwind. We all got out to play with the kids  
 24 along the road, and within five minutes, both the

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1 other adult and I had noticeable pressure in our  
 2 heads. To me, it felt like pressure right behind my  
 3 ears and across the back of my neck. The other  
 4 adult described it as a pulsing sensation in his  
 5 eustachian tubes. We stayed there about 15 minutes.  
 6 We both agreed that it was not our imagination. It  
 7 was obviously a real physical change that we could  
 8 feel. We were both very surprised to feel this and  
 9 it was not expected at all.

10 The next stop was around 2500 feet away.  
 11 I played freeze tag with the kids; they all acted  
 12 normal. The other adult and I both continued to  
 13 feel the pressure although not as strong. We stayed  
 14 at this spot about 15 minutes. And as a side note,  
 15 since I later continued to feel pressure for several  
 16 hours after being exposed and this was not our first  
 17 stop, the pressure at this distance could possibly  
 18 be the remaining effects from the previous location  
 19 which was closer.

20 The next and final stop was very close,  
 21 around 540 feet away, even though we remained on the  
 22 public road. Pressure for both the other adult and  
 23 I increased noticeably. I was more sensitive and my  
 24 neck was very uncomfortable and I avoided moving my

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1 head too quickly.

2 I had told the children on the drive up  
 3 that we were just going to look at the windmills and  
 4 made positive and mutual comments about seeing them.  
 5 At this point I took each of the kids individually  
 6 aside out of earshot for a few questions while the  
 7 others played. One child was swayed by the power of  
 8 suggestion, so I don't trust those answers, another  
 9 child was too young to answer, and another child  
 10 felt -- said she felt fine.

11 I asked my six-year-old son if his  
 12 shoulders, arms, feet, et cetera, felt funny. He  
 13 said no. I asked if his ears, stomach or anything  
 14 else felt funny. He said no, but then he added  
 15 firmly that his neck felt achy. I did not suggest  
 16 any pain nor did I use the word ache. I think his  
 17 answers are valid, and when I think about it, that  
 18 more accurately described my own neck, that it had  
 19 an ache. We left then, probably only there ten  
 20 minutes. Our total time in the wind farm was a mere  
 21 45 minutes.

22 While driving home outside the footprint,  
 23 the other adult's pressure cleared up. My body is  
 24 more sensitive as I could still feel quite a bit of

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1 pressure and ache which gradually decreased  
 2 throughout the evening and was gone by morning. The  
 3 ache was not bad enough to prevent most quiet  
 4 activities, but it was a constant nuisance. My son  
 5 could still feel an ache during the evening and it  
 6 was gone by morning.

7 Since this experience, we wondered if it  
 8 was repeatable. At different times we have visited  
 9 the Streator Cayuga wind farm separately and  
 10 experienced similar pressure and sensations again.  
 11 The pressure does change with wind speed and  
 12 proximity to a wind turbine. I have not tested  
 13 prolonged exposure time nor can I explain how it is  
 14 happening, but I do have heavy concern about how our  
 15 family will be impacted by having nine turbines  
 16 closer than one mile to our home.

17 During these hearings, you have heard  
 18 hired experts state that any health effects are all  
 19 made up, called the nocebo effect. With all due  
 20 respect, perhaps their skepticism or lack of  
 21 personal experience or bias mar their conclusions.  
 22 I must admit that I, too, was very skeptical when I  
 23 first heard that other's had health issues with  
 24 turbines and before I had experienced the effects

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1 myself.

2 These are some questions that I -- that  
 3 had come to my mind earlier and how I would now  
 4 answer from experience. One, were these people  
 5 making things up? My answer: It is real as  
 6 experienced by myself, my son and another  
 7 trustworthy adult. If you do some simple online  
 8 research, which I did after I had this experience,  
 9 there are other testimonies under oath of people  
 10 with negative health impacts.

11 Two, do these people have windmill  
 12 phobias? My answer: I do not have a phobia, and  
 13 very obviously my six-year-old son doesn't either,  
 14 and neither does the other adult.

15 Three, if they did have negative health  
 16 effects, was the cause something entirely different  
 17 but easy to blame on the windmill? My answer: I am  
 18 in great health and almost never get headaches. I  
 19 know what I experienced was directly from the  
 20 turbines because it only happens in proximity to a  
 21 turbine. I have never in my life felt that kind of  
 22 distinct pressure and ache in my ears and the back  
 23 of my neck.

24 Four, were these people just upset because

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1 they didn't get any money but had to look at the  
 2 turbines? My answer: I would get indirect  
 3 financial benefits from a turbine and the other  
 4 adult would actually own land hosting a turbine, so  
 5 money is not a factor.  
 6 Five, if this were a real issue, why don't  
 7 we hear more about it? My answer: You have heard  
 8 it yourself. The wind industry does not acknowledge  
 9 any negative health impacts, and in some cases they  
 10 make victims look like they are mentally unstable.  
 11 Would you be willing to subject yourself to this  
 12 kind of treatment?  
 13 Just last week I received a copy of Robert  
 14 Rand's study of the Pleasant Ridge wind energy  
 15 project. On page 32 of the report, I found that our  
 16 home is on the list of homes with predicted sound  
 17 levels exceeding the Hartke home predicted levels  
 18 for California Ridge which was abandoned. Our home  
 19 is three decibels higher than this home. This is  
 20 very concerning to me and my family, especially with  
 21 my experiences in the wind farm north of our home.  
 22 Although I know the ZBA has already seen  
 23 this letter, I would like to point out that it says  
 24 that the Pleasant Ridge application is not in

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1 compliance with Illinois law, Chapter 35, Section  
 2 901.102. One, predicted noise levels are exactly at  
 3 upper limits, no design margin, no room for error.  
 4 The measurements were made at homes an appreciable  
 5 distance away --  
 6 **MR. BLAZER:** Mr. Chairman, I do hate to  
 7 interrupt, but I believe Mr. Rand will be appearing  
 8 at some point to talk about his report. I don't  
 9 think it's appropriate for this person to be talking  
 10 about Mr. Rand's report.  
 11 **MR. LUETKEHANS:** You know what? These  
 12 people are also here for public comment, and we can  
 13 have her come back and do public comment, but I  
 14 don't think that's really what she wants.  
 15 **CHAIRMAN CORNALE:** Ms. Kelson, you can  
 16 proceed uninterrupted. We'll sort through it at the  
 17 end.  
 18 **MS. KELSON:** Okay, it shows that 155  
 19 nonparticipating properties were found with levels  
 20 above legal limits. Illinois law requires  
 21 compliance with its noise limits at all locations in  
 22 a property receiving the noise emissions not just at  
 23 a home. The application only considered noise  
 24 levels at residences. Two, no evidence of operating

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1 decibel margin for downwind turbulence within seven  
 2 blade diameters of other turbines. And three, no  
 3 facility-designed decibel margin found to assure  
 4 compliance.  
 5 I would like to point out why noise limits  
 6 are measured at all locations in a property not just  
 7 a home. My husband and I built our home a few years  
 8 ago by a creek on one of my father's farms. If  
 9 there would have been an existing wind farm near the  
 10 property and the noise limits where we built were  
 11 not in compliance, how would we have ever known not  
 12 to build there? Would we have had to pay thousands  
 13 of dollars to have a noise study done to measure the  
 14 limits in the exact area where we wanted to build  
 15 and then possibly learn that we could not build  
 16 there due to the noise?  
 17 Also the report shows that Illinois law,  
 18 Chapter 35, Section 900.102, is not addressed. The  
 19 application omitted information necessary for the  
 20 zoning board to assess or permit as suitable for  
 21 enjoyment of life. Noise pollution is defined under  
 22 Section 900.101 as the emission of sound that  
 23 unreasonably interferes with the enjoyment of life  
 24 or with any lawful business or activity.

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1 One, noise levels documented in supporting  
 2 reports are associated with home abandonment  
 3 following appeals to stop the noise. Two, predicted  
 4 noise levels exceed World Health Organization sleep  
 5 disturbance threshold and Tesla wind turbine  
 6 criteria. Three, predicted levels exceed low  
 7 frequency nuisance level. Four, predicted noise  
 8 levels appear certain to exceed Danish indoor limits  
 9 for industrial wind turbines.  
 10 The report also states that the facility  
 11 appears certain to result in regulatory default  
 12 under County Section 56-625. By not disclosing the  
 13 limited options for wind turbine noise control,  
 14 smaller size or sufficient distance during  
 15 permitting, or shutdown complaints during operation,  
 16 the application can mislead the reader into thinking  
 17 there are other useful noise control options  
 18 available after construction. It appears that the  
 19 Pleasant Ridge application is out of compliance with  
 20 the law in multiple areas.  
 21 Mr. Rand has issued this professional  
 22 caution with the express intent to observe the law  
 23 and protect the safety, health and welfare of the  
 24 residents in the vicinity of the proposed facility.

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1 He states, "In my professional opinion, the sum of  
 2 deficiencies found in the application and further  
 3 independent analysis makes clear that this facility  
 4 as proposed appears certain to breach Illinois law.  
 5 The proposed Pleasant Ridge wind project appears  
 6 certain to exceed Illinois law noise limits in 155  
 7 nonparticipating properties and cause adverse  
 8 impacts to enjoyment of life, including sleep  
 9 interference to possible home abandonment, in an  
 10 area encompassing hundreds of homes throughout some  
 11 141 square miles with the severest impacts expected  
 12 closer to the turbines where the noise levels are  
 13 louder. Regulatory default appears certain. This  
 14 is a staggering degree of environmental noise  
 15 pollution and breach of law with no apparent  
 16 justification."  
 17 So once again, I would appreciate your  
 18 considering my testimony in your decision. The only  
 19 proven method to avoid negative health impacts is  
 20 distance. Experts suggest proper setbacks of 1.25  
 21 miles or greater. The improper setbacks in the  
 22 application could cause adverse health effects on  
 23 many local families and children due to these  
 24 breaches in the Illinois law. Thank you.

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1 **CHAIRMAN CORNALE:** Thank you, Ms. Kelson.  
 2 Fellow members of the ZBA, do we have any questions?  
 3 **QUESTIONS BY**  
 4 **MS. HUISMAN:**  
 5 Q. Mrs. Kelson, which direction from your  
 6 home are the proposed turbines going to be?  
 7 Surrounding?  
 8 **A. They are in every direction around our**  
 9 **home, yes.**  
 10 Q. And they're within a half mile or a mile?  
 11 **A. There are nine of them within one mile.**  
 12 **The closest one to our home I believe is a little**  
 13 **over 2500. There are four three-quarters to a mile,**  
 14 **that range.**  
 15 Q. And with the pressure sensitivity that you  
 16 experience, do you experience that in other settings  
 17 as well?  
 18 **A. I have never felt that before, not in that**  
 19 **same way. My ears popping I've felt obviously on a**  
 20 **plane or driving through mountains, but not the**  
 21 **pressure that built up behind my ears and across the**  
 22 **back of my neck. I've never felt that anywhere.**  
 23 **MS. HUISMAN:** Okay, thank you.  
 24 **CHAIRMAN CORNALE:** Units of local

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1 government, school districts, anybody out there?  
 2 All right. Mr. Blazer, any questions?  
 3 **MR. BLAZER:** No, sir.  
 4 **CHAIRMAN CORNALE:** All right. Other  
 5 interested parties in the audience? Anybody in the  
 6 audience have any questions for Ms. Kelson? Nobody.  
 7 County staff? Thank you, Ms. Kelson.  
 8 **MS. KELSON:** Thank you.  
 9 **MR. LUETKEHANS:** Next I think is Nate  
 10 Kelson.  
 11 **CHAIRMAN CORNALE:** Mr. Kelson, could you  
 12 please raise your right hand?  
 13 (Nate Kelson was duly affirmed.)  
 14 **CHAIRMAN CORNALE:** Thank you. Please  
 15 state your name and address for our court reporter.  
 16 **MR. KELSON:** It's Nate Kelson and it's  
 17 10849 North 2400 East Road, Fairbury, Illinois.  
 18 **CHAIRMAN CORNALE:** Thank you, Mr. Kelson.  
 19 Mr. Luetkehans, you may proceed.  
 20 **MR. LUETKEHANS:** Mr. Kelson, I know you  
 21 have a statement you'd like to make. Please feel  
 22 free to make that.  
 23 **MR. KELSON:** Okay. I just want to state  
 24 my wife and I have four young children, and a few

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1 years ago we decided we would like to raise our  
 2 family in a rural setting near Fairbury. We  
 3 purchased some property and planted 550 trees and  
 4 built a home there. We have spent many hours and  
 5 dollars improving the property. We knew that living  
 6 in the country took more effort and maintenance than  
 7 living in town, but we chose that because we enjoy  
 8 the peacefulness of the country and the room for our  
 9 kids to grow up.  
 10 When we heard of the possibility of many  
 11 wind turbines being constructed near our home, we  
 12 wondered what turbines are and what effect they have  
 13 on their surroundings. When we learned that the  
 14 turbines would be similar in size to the ones on  
 15 California Ridge south of here, my wife visited that  
 16 wind farm to see what kind of noise they put out and  
 17 how they changed the landscape. You've heard her  
 18 testimony on what she experienced.  
 19 As you heard, she has visited turbine  
 20 areas on still nights and windy days, and she and  
 21 other people have felt negative physical effects,  
 22 such as pressure within their heads and neck when  
 23 they are near the turbines, but the effects go away  
 24 once they have been away from the turbine area.

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1 This alarmed us and caused us to research more to  
 2 see if this happens to others.  
 3 We found out that people have abandoned  
 4 their homes because of the inability to sleep in  
 5 them due to the low frequency sound waves given off  
 6 by turbines that penetrate homes. Studies have  
 7 shown that only 10 to 15 percent of the population  
 8 are seriously affected physically by this  
 9 disturbance caused in a person's inner ear, but if  
 10 one person is driven from their home, the rest of  
 11 the family is apt to leave with them.  
 12 The Pleasant Ridge industrial turbine  
 13 project will be within a mile of around 800 homes  
 14 and a school. I mention the school because studies  
 15 have shown that children and elderly are most  
 16 susceptible to low frequency negative effects. 15  
 17 percent of 800 homes is 120. If the average home  
 18 has four people in it, that would negatively affect  
 19 480 people.  
 20 With a county in Wisconsin recently  
 21 condemning a wind turbine industrial zone as a human  
 22 health hazard and the recent denials of some turbine  
 23 projects in other counties, it's becoming apparent  
 24 that these concerns are real and not a figment of

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1 people's imaginations. The setbacks allowed in  
 2 Livingston County wind ordinances do not adequately  
 3 protect people's health. Livingston County's  
 4 Planning Commission Board recently stated that the  
 5 application turned in by Invenergy does not do near  
 6 enough to protect the citizens within the footprint  
 7 of their project.  
 8 Allowing a massive turbine project like  
 9 Pleasant Ridge to enter a rural community where  
 10 people have chosen to reside because of its peaceful  
 11 surroundings goes completely against the people who  
 12 have invested so much into the area. Our family,  
 13 like many others, had hoped to make this area our  
 14 home for years to come. So many of us have worked  
 15 hard to bring the facts in front of our government  
 16 representatives in ongoing hearings. We appreciate  
 17 your willingness to hear our concerns.  
 18 To the county board members who will be  
 19 voting on this project, I feel that we have made it  
 20 crystal clear that Invenergy's massive wind turbine  
 21 project is not welcomed in our communities. We hope  
 22 that you will take to heart the seriousness of the  
 23 situation as you have heard displacement because of  
 24 health is only one of many concerns that this

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1 turbine project brings to our communities. For my  
 2 family, it's the biggest concern.  
 3 **CHAIRMAN CORNALE:** Thank you. Fellow  
 4 members of the ZBA, do we have any questions for Mr.  
 5 Kelson? All right, units of local government,  
 6 school districts, anybody? All right. Mr. Blazer,  
 7 do you have any questions --  
 8 **MR. BLAZER:** No, sir.  
 9 **CHAIRMAN CORNALE:** -- for Mr. Kelson?  
 10 Okay, thank you. Interested parties in the  
 11 audience? Anybody from the audience have any  
 12 questions for Mr. Kelson? Please state your name  
 13 for the record.  
 14 **MR. HARMS:** Patrick Harms. Sorry about  
 15 that.  
 16 **QUESTIONS BY**  
 17 **MR. HARMS:**  
 18 Q. One question. What was the year you built  
 19 your home out there?  
 20 **A. It was built in 2011. We moved in in**  
 21 **November of 2011.**  
 22 Q. Did you know that there was a possibility  
 23 of wind turbines coming in before you built your  
 24 home in 2006?

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1 **A. In 2006?**  
 2 Q. Yes.  
 3 **A. We had heard at one point that they were**  
 4 **building them to the north there by Odell. I guess**  
 5 **it took us off guard when this application was**  
 6 **turned in.**  
 7 **MR. HARMS:** Okay, no further questions.  
 8 **A. Okay.**  
 9 **CHAIRMAN CORNALE:** Anybody else in the  
 10 audience with a question? All right. County? No  
 11 questions. All right, Mr. Kelson, thank you.  
 12 Mr. Luetkehans, it looks like you have a  
 13 few more witnesses. Do you want to take a little  
 14 break now or how is your next witness looking for  
 15 time.  
 16 **MR. LUETKEHANS:** My understanding is the  
 17 next witness is about 20 minutes, and then the one  
 18 after that will be much longer, so maybe if we get  
 19 this one in, it might give everybody just a --  
 20 **CHAIRMAN CORNALE:** Yes, and that will give  
 21 us a second to get the PowerPoint going. That  
 22 sounds like a good point.  
 23 **MR. LUETKEHANS:** He also has a PowerPoint,  
 24 but I think it's -- they have it back there all set

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1 up, so hopefully all I have to do is move the table.  
 2 **CHAIRMAN CORNALE:** Okay, all right. Yeah,  
 3 why don't we go ahead with that, so --  
 4 **MR. LUETKEHANS:** Nelson Zehr.  
 5 **CHAIRMAN CORNALE:** Just as a quick  
 6 reminder, too, for everybody in the audience, I ask  
 7 that you respect everybody up here speaking and be  
 8 as best of an audience as we can be to those. So  
 9 keep it down in between when they're up here trying  
 10 to speak. I would appreciate that.  
 11 **MR. LUETKEHANS:** If it's acceptable for  
 12 the board, I think Mr. Zehr would feel more  
 13 comfortable at the podium, if that's okay with the  
 14 board.  
 15 **CHAIRMAN CORNALE:** Yeah, whatever works  
 16 for you, Mr. Zehr.  
 17 **MR. LUETKEHANS:** Mr. Zehr is telling me  
 18 it's going to be about a half-hour. I don't know if  
 19 that changes your mind. I just wanted you to know  
 20 what I know.  
 21 **CHAIRMAN CORNALE:** It's 7:30. I'd hate to  
 22 stop you in the middle of it too, but I think we're  
 23 better off to try to get through you. Why don't we  
 24 stick this one out.

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1 All right, Mr. Zehr, before you get going,  
 2 would you like to be affirmed or sworn in?  
 3 (Nelson Zehr was duly affirmed.)  
 4 **CHAIRMAN CORNALE:** All right, can you  
 5 please state your name and address for the court  
 6 reporter?  
 7 **MR. ZEHR:** Nelson Zehr, 3617 North 2300  
 8 East Road, Fairbury, Illinois.  
 9 **CHAIRMAN CORNALE:** Thank you.  
 10 **MR. LUETKEHANS:** Mr. Zehr, just please  
 11 proceed.  
 12 **MR. ZEHR:** Okay. Just to begin my  
 13 presentation, several weeks ago I did approach one  
 14 of the county officials about presenting the  
 15 information I'll present tonight as public comment  
 16 at one of the county board meetings, thinking I  
 17 would feel more comfortable in that setting, and I  
 18 guess the recommendation was that all the public  
 19 comment information was going to be channeled  
 20 through these ZBA hearings. So I guess tonight I'll  
 21 present this information. Like I said, I would feel  
 22 more comfortable in probably a public setting  
 23 situation considering some of the information that  
 24 maybe I'll present later in my presentation, and

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1 maybe we can revisit it then.  
 2 The title of my presentation is  
 3 Participation Considerations of the Pleasant Ridge  
 4 Wind Farm. And this is really from the perspective  
 5 of our farming operation, from our farming family.  
 6 And maybe just introduce our farming family here a  
 7 little bit.  
 8 The name of our operations is Zehr Acres.  
 9 We have the hub of our operations four and a half  
 10 miles south of Fairbury, and we've been there since  
 11 1887, seventh generation family farming operation,  
 12 128 years, southeast Livingston County.  
 13 We currently have three generations  
 14 involved in our operations, my father Warren, Quinn  
 15 and I are brothers, and his son Blake. We do have  
 16 two sons in college that anticipate coming back to  
 17 the farm, so furtherance of our operations is  
 18 eminent and critical for us.  
 19 Currently we have four families living off  
 20 our operation. We are a diversified grain and  
 21 livestock operation. We farm corn and soybeans in  
 22 three different counties, the majority of it in  
 23 Livingston County and Ford and McLean. And like I  
 24 said earlier, the hub of our operations is in

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1 southeast Livingston County.  
 2 We have an extensive livestock operation  
 3 called Zehr Acres Custom Heifers. I skipped a  
 4 slide. There we go. The scope of our custom  
 5 raising operation, we raise replacement heifers for  
 6 four different areas in Illinois. We don't actually  
 7 own the animals. We raise the heifers from a baby  
 8 calf, day old, through eight months of age. So  
 9 maybe a little bit of a summary of our operations.  
 10 It's kind of a big calf nursery, 1800 to  
 11 2,000 head inventory, and the small calves, less  
 12 than eight weeks of age, are raised in individual  
 13 hutches, and 750 head in those hutches. And for the  
 14 clients that we raise for, there is a performance  
 15 expectation, weight gain, health, mortality or death  
 16 loss. And anything that can impact, any stresses or  
 17 whatever, obviously we would be concerned about as  
 18 far as how it would affect the performance and the  
 19 ability to serve our clients.  
 20 This is a couple pictures of a little bit  
 21 of our operation. The top picture is Quinn and I in  
 22 front of our open-fronted heifer barn, one of our  
 23 grower barns. It was constructed in 2003 I think.  
 24 The bottom picture is just some heifers feeding at a

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1 lower barn.  
 2 This is kind of a picture of our  
 3 individual hutch layout if you've never seen one  
 4 before. The top picture shows the individual --  
 5 kind of the isolation that we create, no  
 6 nose-to-nose contact between the calves because they  
 7 are still developing, obviously developing immunity  
 8 at this point.  
 9 Bottom picture is kind of taken from the  
 10 top of our grain bin that shows the layout of our  
 11 huts and big grower barn in the back. So able to  
 12 spend the first eight weeks of their lives in the  
 13 hutches.  
 14 Maybe to cut to the chase a little bit, I  
 15 guess, you know, there's a lot of -- quite a few  
 16 people have asked us, are you concerned about wind  
 17 turbines coming into, you know, your area, how  
 18 they're going to affect your animals, how it's going  
 19 to affect the calves? And I guess it's an  
 20 understatement to say, yes, we are. We're very  
 21 concerned.  
 22 You know, you've heard the different  
 23 impacts it can have on specifically young, and how  
 24 that will impact the calves we really at this point

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1 are not sure, but if it does, it will be serious.  
 2 We will have four turbines within one mile of our  
 3 facility and we will be downwind from at least three  
 4 wind directions. If you look at the printout there  
 5 that came off of the interactive map on the PC wind  
 6 turbine website, there will be one at 1950, 2618,  
 7 3990 and 4349, so it reads there. You can see the  
 8 two houses that underneath the arrow. The hutches  
 9 will be between those two residences.  
 10 So maybe just a few more details.  
 11 Calves -- express our concern maybe as far as the  
 12 calves in general. They are less, you know, less  
 13 than eight weeks old and they're still developing  
 14 immune systems and are more vulnerable to stress  
 15 than other older stock. Not sure how they would be  
 16 affected, but if they are, it will be, you know, too  
 17 late once the turbines are in. Can't make any  
 18 corrective measures then.  
 19 A small percent, you know, of the animals  
 20 that would be affected could be big numbers if we  
 21 take them out of one-time inventory. It would  
 22 affect maybe even 5 percent, which would still be 90  
 23 head or more. Exposure to noise, infrasound and  
 24 flicker will not be optional. We can't move them

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1 away from it. They're not in an open area.  
 2 Some of the decisions -- we are not signed  
 3 up for the project, but some of our neighbors'  
 4 decisions, you know, could directly affect the  
 5 functionality of our business. This is kind of a  
 6 little -- maybe on a different note as far as  
 7 directly affecting the calves, but maybe more of a  
 8 land use issue is dairies we work with expand and we  
 9 like to expand with them to handle their calf flow  
 10 to accommodate our existing clients. A certified  
 11 nutrient management plan that we have for our  
 12 operation dictates how we handle waste, and it's  
 13 kind of based on animal head units. As we expand,  
 14 there's always need to spread out. We can only put  
 15 so much so close as far as manure and that sort of  
 16 thing.  
 17 So we're looking to utilize, you know,  
 18 property that's adjacent to, next to participating  
 19 property. And it's definitely a consideration as we  
 20 see kind of ourselves surrounded by participating  
 21 property how that will affect our ability to expand  
 22 and use, fully utilize property that, you know, we  
 23 own, we have expectation, you know, of possibly  
 24 building on or expanding on.

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1 And my last point maybe in regard to just  
 2 our family and our operations generally. This is  
 3 certainly not meant to be the least concern. That  
 4 is, we do have three of our residences within --  
 5 with four turbines within one mile. I know that's a  
 6 long ways from nine of them within one mile, but we  
 7 can't move our operation, it's pretty much planted  
 8 where it is, so we hope that we don't have issues if  
 9 the project goes through.  
 10 What I did here was kind of outline Zehr  
 11 Acres's economic impact. There's been some economic  
 12 impact information shared within these hearings, and  
 13 I guess maybe the main point of this is not how this  
 14 will focus on our operation specifically, but how  
 15 agriculture in Livingston County affects the economy  
 16 of our county.  
 17 And I would say we buy Livingston County  
 18 seed, fertilizer, crop protection products, feed,  
 19 bedding, veterinarian, animal health supplies,  
 20 equipment parts and repairs. Probably not a week  
 21 that goes by that we don't go to Pontiac buying  
 22 parts and equipment. Fuels and oil. We finance, we  
 23 bank in Livingston County, we hire labor force out  
 24 of Livingston County, we do our healthcare and our

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1 family living expenses in Livingston County.  
 2 Obviously pay taxes in Livingston County.  
 3 But in 2014 we -- this is, I guess, our  
 4 economic impact, what we spent in Livingston County.  
 5 This doesn't include what we spend out of county.  
 6 1,325,000. So, like I said, don't focus on that  
 7 coming necessarily from us, but it's, I think, any  
 8 other livestock operations and, for that matter,  
 9 grain operations, whatever it might be that, you  
 10 know, would be affected in some negative way. That  
 11 we do -- we do support this county. I mean there's  
 12 a major economic impact in the county.  
 13 I guess the question to ask is: Is it  
 14 more important to keep developing agriculture as the  
 15 number one industry in Livingston County or take the  
 16 risk on success of wind energy? And very pleased on  
 17 February 2nd when Livingston County Regional  
 18 Planning Commission voted unanimously that PRWF does  
 19 not meet the county's Comprehensive Development  
 20 Plan. And I think one of the focal points of that  
 21 plan is preserving and furthering agricultural  
 22 industry in our county. It was an encouragement to  
 23 us.  
 24 Shifting gears a little bit to maybe some

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1 of the experiences we've had as a family throughout,  
 2 you know, I would say the last several years as far  
 3 as making decisions on participation in PRWF. I'm  
 4 going into selling of the project a little bit,  
 5 signing the easements, and then I just outlined a  
 6 little bit of the different time frames there of  
 7 whether it was ourselves or neighbors, whatever, was  
 8 contacted, and then there was, you know, interaction  
 9 between people deciding whether this was a good or  
 10 bad idea.  
 11 And one of the common statements that we  
 12 hear a lot is if you're going to have to look at  
 13 them, you might as well be getting paid. And, you  
 14 know, as a family, we also made that statement. You  
 15 know, if we're going to have to look at these  
 16 things, then, boy, it'd sure be great to be getting  
 17 a check. But my dad who's a very slow man to react,  
 18 he just said, you know, if it isn't good, it isn't  
 19 good, and -- whether we're getting paid or not.  
 20 And maybe the statement next is the  
 21 situation, well, our neighbors signed up, so we  
 22 might as well be too. This is another motivator. I  
 23 think, you know, kind of once it established a base  
 24 of participation, it seemed like it was easier to

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1 branch out.  
 2 I guess how many landlord -- or how many  
 3 landowners would've made the same decision if they  
 4 were acting independently signing a potential  
 5 42-year easement to put a 400-foot tower in the  
 6 middle of their farm? I know the way we operate and  
 7 we operate around a lot of very good producers, and  
 8 this isn't the sort of thing that we would -- that  
 9 we would do independently, kind of subject to what  
 10 our neighbors are doing to a certain degree, but I  
 11 think there was some influence here and it caused  
 12 the project to kind of roll forward.  
 13 Many participating landowners are now  
 14 evaluating their situation I feel like more on an  
 15 individual base including: I know a lot more today  
 16 than I knew X number of years ago when I signed my  
 17 easement. My circumstances have changed. I would  
 18 make a different decision if I made it today. I  
 19 wouldn't be sorry if the project went away. And  
 20 that was kind of a statement that we hear  
 21 frequently.  
 22 As a family, too, here's some -- I've got  
 23 I think there's five different points, five  
 24 different categories, that we considered before

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1 signing up, and maybe, more important, why other  
 2 landowners are reconsidering participation. Number  
 3 one is maybe just sit down with the easement itself  
 4 and what does it mean, what is it that I have  
 5 committed to?  
 6 An easement is different than typical  
 7 leases and stuff that we're used to in our business.  
 8 They actually involve, my understanding, a real  
 9 percentage in -- interest in the property and  
 10 legally can be more binding probably than what we're  
 11 used to. What am I giving easement and permission  
 12 to other than my property? And then spending time  
 13 with the easement. I'm just going to thumb through  
 14 my notes here.  
 15 Some of the things that are permitted in  
 16 the clause in the easement is electromagnetic  
 17 effects, audio, flicker, visual view, light, noise,  
 18 vibration, air turbulence, wake, electrical radio  
 19 interference, shadow, and all inclusive, all other  
 20 effects attributed to wind power facilities, so  
 21 we're giving easement to a lot of things rather than  
 22 just access and use of our property that affect --  
 23 affect the quality of life for ourselves and the  
 24 neighbors if they're signed up.

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1           Maybe a final point. The  
 2           easement-to-easement that was written and offered by  
 3           the developer focuses on protecting their interest  
 4           and then -- enough said.  
 5           All these easements affect long-term land  
 6           use, improvement and value. What are the  
 7           opportunity costs? And this varies by operation,  
 8           by, you know, how you would evaluate this. This is  
 9           just an example. In the easement, new structures on  
 10          participating property must be within a hundred feet  
 11          of existing buildings and not to exceed 50 feet in  
 12          height, not to interfere with wind speed and flow.  
 13          I know the last 45,000 bushel bin that we  
 14          put up was over 50 feet, and, you know, the  
 15          opportunity to put buildings a hundred foot away  
 16          from our existing facility is almost a necessity for  
 17          expansion, so I guess you could consider large grain  
 18          producers, their ability to store grain on the farm,  
 19          make those type of improvements. I guess that would  
 20          affect the way we do business, it would affect the  
 21          way we market, affect our profitability, a lot of  
 22          different things. These are things you need to  
 23          think over.  
 24          How will the easement affect or encumber

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1           the title of the property, value of -- value of fee  
 2           simple ownership of property, maintaining control of  
 3           all mortgage rights of a property? And our family  
 4           submitted a letter on this on fee simple ownership  
 5           as an editorial and it is a big concern. There's a  
 6           lot of questions on what, you know, what lien rights  
 7           are out there, what can happen, and maybe there's  
 8           more questions than answers at this point in time.  
 9           I know I had a conversation with an  
 10          individual not too long ago and we were talking  
 11          about this very issue, and he said he had talked to  
 12          his financial advisor and his advisor says, well, if  
 13          this happens, he said, we'll have to figure it out.  
 14          We need to figure it out before then. We need to  
 15          understand, you know, what can be taken at what  
 16          point in time, and if liens are taken, how are they  
 17          released and how that will affect our property and  
 18          how we're able to use it for collateral, for other,  
 19          you know, operation collateral, real estate  
 20          collateral, equipment collateral, whatever it might  
 21          be.  
 22          How will the turbine construction and  
 23          transmission line installation affect surface and  
 24          subsurface drainage, number four. As you can see,

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1           this is actually a tile map, GPS tile map from an 80  
 2           acre field that we farm for a landowner that is  
 3           signed up. In 2012, we installed this subsurface  
 4           drainage system. There's probably farmers in the  
 5           audience tonight that can appreciate it. The  
 6           turbine is located there with a little red dot with  
 7           a circle around it, that's where it's going to be,  
 8           and I keep looking at this trying to figure out what  
 9           the best approach to -- you know, even if I do have  
 10          any say as a tenant, I would recommend getting in  
 11          there and constructing, you know, how the cranes are  
 12          going to come in. Just almost seems like whatever  
 13          angle you would come in, we're going to be on top of  
 14          sub mains, we're going to be on top of multiple  
 15          laterals, and, you know, I'm not sure if it could  
 16          ever be fixed to where it would be back to what  
 17          we're experiencing right now as far as the benefits  
 18          of a subsurface drainage.  
 19          Just following up on my points there, what  
 20          damage will be done and how will this system  
 21          function once the turbine -- turbines, access roads  
 22          and transmission lines are installed, and what say  
 23          will I have ultimately in, you know, repairing them  
 24          and making it back to the original condition?

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1           Typical response to a system like this is 10 to 30  
 2           bushel in corn yield and how will this ultimately be  
 3           affected in the long run.  
 4           This is maybe even a little bit more of a  
 5           bigger concern for us coming. We have Indian Grove  
 6           Drainage District which drains a lot of the farmland  
 7           around our main hub of operation. And a couple  
 8           years ago, we decided to propose a project to  
 9           replace the main tile that comes up into our land,  
 10          and this is kind of just a snapshot of a part of  
 11          that project.  
 12          And you can see three turbines there that  
 13          are located around the engineered part, this leg of  
 14          the property, and I -- this is self-explanatory.  
 15          The one is very, very close, I'm not sure exactly  
 16          how that's going to fall, right on the new main, but  
 17          it's a big concern for us.  
 18          This is maybe just following up some  
 19          points of the project. It's to replace our  
 20          hundred-year-old existing main line, a \$1.2 million  
 21          project, and it was proposed in April of 2012 and  
 22          currently is kind of on hold. See how we work  
 23          through this. Scope is a 36-inch main that comes up  
 24          and then with 24-inch and 18-inch sub mains. And

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1 this does provide -- like I said, it's the main  
 2 drainage artery of sorts for our farmland and for  
 3 our farmsteads.  
 4 And due to minimal grade, we have a flat  
 5 topography where we're at, extremely flat, so the  
 6 location, the depth of our main line is critical for  
 7 proper water flow and capacity. You would like to  
 8 think that we could move it around or whatever, but  
 9 it's been engineered to follow a certain path. And,  
 10 you know, how will that installation, how will  
 11 installation of turbines, access roads, transmission  
 12 lines affect the long-term use of this, even the  
 13 positioning of it, depending on when it goes in in  
 14 relation to the project?  
 15 So, once again, maybe the question to ask,  
 16 and this is the conclusion of the drainage part, is:  
 17 Does approving this project, PRWF, help or hinder  
 18 agriculture in Livingston County as far as from a  
 19 drainage perspective? And it's a very critical part  
 20 of raising row crops in Livingston County.  
 21 This is another point, supposed to be  
 22 number four or five I believe, effects of  
 23 participation on adjacent nonparticipating  
 24 properties. And I already touched on this just

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1 briefly, but one thing we need to think about is  
 2 general acceptance of nonparticipating neighbors and  
 3 how it will affect the value and development of  
 4 their properties. And a lot of times this isn't  
 5 learned until it's too late.  
 6 But I put this little diagram up here,  
 7 it's just more as a reference than the specific  
 8 dimensions on there, although they are pretty  
 9 relevant to our situation because the setbacks are  
 10 very close, but if you look at the -- where this  
 11 turbine is located, that little star, that is 1.1  
 12 tower heights I believe from the property lines.  
 13 You draw a 1200 foot setback radius around there, so  
 14 you're looking at almost 40 to 45 acres there that,  
 15 you know, would be in that setback.  
 16 Comments made is, well, go ahead and build  
 17 in there, there's nothing restricting you from using  
 18 that land, and it certainly would not be my  
 19 preference to position livestock buildings,  
 20 residences, whatever it might be, in there. I would  
 21 try to get them as far away from there as possible.  
 22 I'm thinking maybe we can reference back  
 23 to the other picture then. I've been made aware of  
 24 there's a 1640 foot debris evacuation zone setback

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1 that is recommended by some turbine manufacturers.  
 2 What this would mean is if a turbine would start to  
 3 fly apart, start throwing chunks of whatever, it  
 4 would be best if those pieces would land on  
 5 participating property, so they're recommending a  
 6 1640 foot/500 meter setback. So if it would start  
 7 tossing into something that isn't -- you know, is  
 8 nonparticipating, to me that would be a legal  
 9 concern. So this might be something that the county  
 10 wants to consider as far as looking at the  
 11 ordinances.  
 12 Who takes responsibility for noise  
 13 complaints and property devaluation if and when they  
 14 occur? And how all this works, you hear different  
 15 stories about, you know, complaints are ignored,  
 16 whatever, as neighbors, and if you're responsible  
 17 for those, I'm not sure what the legal channels  
 18 would be there.  
 19 And I guess the main concern is the  
 20 infrasound low frequency noise, the ILFN, and just  
 21 referencing a nonparticipating homeowner that has  
 22 nine turbines within one mile, that's just -- I  
 23 don't know, it doesn't seem like a proper zoning,  
 24 zoning in order to protect rural residences.

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1 The last part of my presentation tonight  
 2 is going to be what I'm calling participation review  
 3 of PRWF. I don't know if any of you remember this,  
 4 I think it was in August at one of the county board  
 5 meetings, during public comment I presented some  
 6 participation percentage numbers. At that meeting  
 7 it was basically 14,000 acres that were south of  
 8 Route 24, it was just kind of right over the top of  
 9 our operation, and just kind of present what the  
 10 actual percentage of acreage, participating versus  
 11 nonparticipating, was at that point.  
 12 Basically this review kind of stemmed off  
 13 of that, numbers that were put together here in the  
 14 last few weeks. So this basically includes the  
 15 whole project area rather than just a specific part.  
 16 One of the main considerations when you started --  
 17 when you started this was how do we establish  
 18 project area boundary? And maybe I'll just read  
 19 down through these slides a little bit and then  
 20 maybe, you know, I'll have a comment.  
 21 Okay, review of different project areas,  
 22 and I'm going to call it original versus  
 23 application, and they are both developer maps. One  
 24 was generated and available on June 5th, 2014, and

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1 the other one, which is in the application, August  
 2 20th, 2014.  
 3 This is the first one. This is a reprint  
 4 on the one I just had on the previous slide. I'm  
 5 going to call this, this is the original, the one  
 6 Invenergy used when they were starting to develop  
 7 the project or releasing some of the participation  
 8 data. And I'm going to -- I guess, for lack of a  
 9 better word, I'm going to call it smooth boundary  
 10 represents general inclusion of affected properties.  
 11 And properties are included that are at least within  
 12 one-half mile of participating properties or  
 13 turbines. Properties offered -- or properties in  
 14 this boundary were offered easements and/or neighbor  
 15 agreements.  
 16 In comparison to -- this is the one that  
 17 was actually in the application, a notched project  
 18 boundary, identifies specific inclusions of  
 19 participating properties, properties excluded that  
 20 may be within 500 feet of a turbine. So for this  
 21 participation summary, I used the June map for  
 22 project area boundaries. So it would be, back to  
 23 this blue, it's more of a smooth line boundary.  
 24 You know, the argument is going to be,

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1 well, you've got more acres involved there, and that  
 2 is true, but I do feel like representing the  
 3 participation versus nonparticipation, the smooth  
 4 line boundary map is a more accurate way of  
 5 evaluating it.  
 6 Just maybe a couple points about how we  
 7 did the summary. Participation acreages and  
 8 property owners are accurate to the August map, even  
 9 though we -- it sounds like a little bit of a  
 10 combination here, but even though we used the June  
 11 boundary, we updated the participation properties to  
 12 the August map and adjustments for -- says  
 13 adjustments for additional participants, and there  
 14 was also some corrections in there where there was  
 15 actually nonparticipating properties that were  
 16 marked as participating and made those corrections  
 17 too.  
 18 One thing we didn't do in the property  
 19 owner summary was adjusting for executed neighbor  
 20 agreements. I have no source of information on that  
 21 other than I think Mr. Parzyck's testimony  
 22 acknowledged that there was none executed at that  
 23 point of that testimony and that may have changed.  
 24 So this is the first part of the summary.

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1 It's basically an acreage participation summary.  
 2 It's broken down by the nine different townships  
 3 that are represented in the project area. It's a  
 4 pretty simple tally. The first column is the total  
 5 acres, the next one is participating,  
 6 nonparticipating, and then percentage of  
 7 participating. Obviously there's -- the highest is  
 8 71 there in Chatsworth, it's a very small number of  
 9 acres to begin with, all the way down to Indian  
 10 Grove at 31.8, with an average of 53.4, once again  
 11 based on 66,480 acres total.  
 12 This is the next part of the summary, and  
 13 this one is not based on acreage but rather by  
 14 property owner, participation levels of property  
 15 owners. If you look across the top, the top four  
 16 numbers, this was a -- this was kind of a daunting  
 17 task coming up with total number of property owners  
 18 in PRWF in the project area. This took some time to  
 19 develop these numbers accurately. And I would like  
 20 to tell you that they're down to the property owner,  
 21 but they're close.  
 22 We came up with 741 property owners in the  
 23 area, and that includes farmland owners and home  
 24 site owners, this is people that have two acres and

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1 a house, this is everybody that is considered a  
 2 property owner in the footprint. 289 participating,  
 3 that would be everybody that has a -- has an  
 4 easement, turbines or transmission lines, whatever  
 5 it is. So 452 nonparticipating. So 39 percent of  
 6 the people/landowners within the project area would  
 7 be considered participating. This is individual  
 8 entity landowners, you know, irregardless of acres,  
 9 size of it, whatever.  
 10 Then we broke it down a little bit,  
 11 participating property owners, and I'll just -- how  
 12 they break down. Of the 289, there's 99 individual  
 13 property owners that have easements that allow  
 14 turbines or that are going to have turbines, or 13.4  
 15 percent of the 741.  
 16 Then we took the turbine owners and broke  
 17 it down as far as where they're actually living.  
 18 Four different categories here. The first one is I  
 19 call it turbine owners. It's actually landowners  
 20 that have easements with turbines on them. This  
 21 is -- the first line is those that are living in the  
 22 project area and they're in Livingston County.  
 23 They're obviously in Livingston County living in the  
 24 project area. There's 37 property owners

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1 representing 45 of the turbines.  
 2 The next line is those living in  
 3 Livingston County but living out of the project  
 4 area, so surrounding towns, Fairbury, Pontiac,  
 5 whatever, and it would be 31 of those representing  
 6 49 of the turbines.  
 7 And then those living out of Livingston  
 8 County and living in Illinois, this would be like  
 9 people living in Bloomington, Pekin, wherever, 20  
 10 property owners representing 26 turbines. And then  
 11 out of Livingston County and living out of state, 11  
 12 property owners, 16 turbines.  
 13 So kind of a subtotal put down at the  
 14 bottom, you see 62 property owners representing 91  
 15 turbines that are not living in the project area, so  
 16 not really too worried about the effects of turbines  
 17 on their quality of life, in comparison to almost 61  
 18 percent of people up there at the top not  
 19 participating, and really at this point in time  
 20 their only avenue, you know, of say at this point in  
 21 time is hoping the county board, if they can protect  
 22 their properties by voting no on this project.  
 23 Now, this slide is kind of my last one, I  
 24 think, as far as on the participation thing.

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1 Adjustments to participation data. There is a group  
 2 of participating property owners out there who are  
 3 signed up or favoring nonparticipation. This is a  
 4 nonsolicited group. It's just a group that I would  
 5 say over the course of the last six months has come  
 6 forward and expressed in a pretty serious way, I  
 7 guess, if they would have the option today, they  
 8 would like to get out of their easement for reasons  
 9 we've already reviewed.  
 10 This represents a group of maybe at this  
 11 point 30 property owners, and that represents about  
 12 4,010 acres, represents about 17 turbines. I know  
 13 some of these have approached the developer as far  
 14 as their desires; some of them have not. If you  
 15 take this into percentages, maybe be about 4 percent  
 16 of the property owners, not a real big number, maybe  
 17 6 percent of the acreage. I didn't do the  
 18 percentage of the turbines.  
 19 Another bullet point here, participating  
 20 property owners who want to be neutral, that's kind  
 21 of a statement, but often make the statement, "It  
 22 wouldn't hurt my feelings if the project were voted  
 23 down. Payments don't seem to be enough for the  
 24 risks associated with the project and the potential

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1 neighbor issues if they're going to arise." And I  
 2 don't have any figures to quantify that. I don't --  
 3 I wouldn't do that.  
 4 So just a couple slides here quick on  
 5 conclusions. Participation summaries are an attempt  
 6 to show property owner support. I personally feel  
 7 like, even though there's a lot of time and I feel  
 8 like fairly accurate, I think a better way to  
 9 determine support in our community would be a public  
 10 referendum vote township by township would be a  
 11 better way to establish community support or  
 12 opposition, and then use that -- use that vote as a  
 13 recommendation for whoever the governing bodies are  
 14 that are making these decisions.  
 15 The summary that I presented here I feel  
 16 like does not show support needed to justify the  
 17 effects that could result from the development,  
 18 whether they would be land, property value, business  
 19 effects, infrastructure effects, and effects to our  
 20 viewscape based on the whole gamut of all the  
 21 property owners that are affected.  
 22 One statement here I would just interject,  
 23 because I know when Mr. Parzyck presented in one of  
 24 his opening presentations, he did make the comment

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1 that it is very important to Invenergy as far as  
 2 public acceptance, community acceptance and support,  
 3 and -- before they would site a project. I feel  
 4 like at this time we do not have that in our  
 5 community. There is a significant petition drive  
 6 underway right now to establish project opposition  
 7 in our community, in the community, and I don't have  
 8 any numbers to share on that, but those will be  
 9 forthcoming at some point.  
 10 This is a point I've already made. If the  
 11 project is approved, the livestock industry in our  
 12 townships could struggle with building siting  
 13 expansion issues. If our community, county, schools  
 14 need financial support, would feel more comfortable  
 15 with a tax referendum. Revenue. Generating revenue  
 16 for established need rather than perhaps leaning on  
 17 wind farm funding, and this would avoid issues that  
 18 we cannot really measure in dollars. Let's control  
 19 the controllables. If we need more money, we're  
 20 willing to help and do that.  
 21 When people visit our community, we want  
 22 them to leave and remember us for our agriculture,  
 23 our legacy and our heritage and not as an electrical  
 24 power plant. And I guess this is maybe a thought

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1 after I have visited. You know, you go to some of  
 2 these places, Cal Ridge, Cayuga Ridge, we have been  
 3 through there a bunch of times. I don't normally  
 4 leave those communities thinking, well, that was  
 5 just a great agricultural community, great livestock  
 6 area, some of the best soil on the face of the  
 7 earth, but more remembering that I just left a place  
 8 with a bunch of wind turbines.

9 And I guess from the legacy of our family  
 10 farming operation, we just hope that the decision of  
 11 our -- for these nine townships, for our community,  
 12 would be that we can keep this development out and  
 13 leave our townships, our communities focused on  
 14 agriculture, what we do best. Thanks.

15 **MR. LUETKEHANS:** I have a couple follow-up  
 16 questions, if I may, Mr. Chairman, or would you  
 17 rather take a break? It's up to you.

18 **CHAIRMAN CORNALE:** Yeah, why don't we go  
 19 ahead and take -- let's take ten minutes. I've got  
 20 8:12, so let's try to be back about 8:22, and then  
 21 we'll continue with our questions for everybody.  
 22 (Recess at 8:12 p.m. to 8:24 p.m.)

23 **CHAIRMAN CORNALE:** All right, we'll get  
 24 going. Mr. Zehr, Mr. Zehr.

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1 **VOICE:** He's up there.  
 2 **VOICE:** At the table.  
 3 **CHAIRMAN CORNALE:** Oh, okay. All right,  
 4 welcome to the stage. It's real exciting up here.  
 5 **MR. ZEHR:** I'd rather be facing this way,  
 6 but --

7 **CHAIRMAN CORNALE:** Yeah, I know. You have  
 8 to look at everybody. All right, we left off, did  
 9 you get -- you did get through everything that you  
 10 wanted to present with your PowerPoint, correct?  
 11 **MR. ZEHR:** Yes, yes, I did.  
 12 **CHAIRMAN CORNALE:** Okay, all right. So,  
 13 Mr. Luetkehans, you had some follow-up questions?  
 14 **MR. LUETKEHANS:** Yeah, just a few.

15 **QUESTIONS BY**  
 16 **MR. LUETKEHANS:**  
 17 Q. The last two pages of your PowerPoint,  
 18 they actually -- well, excuse me, UCLC Exhibit 80,  
 19 those are letters to the editor that were sent to  
 20 local newspapers by your family; is that correct?  
 21 **A. Yes, that's correct.**  
 22 Q. You went through a lot of -- you talked  
 23 for a while about your business relates to dairy  
 24 replacement heifers, correct?

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1 **A. Yes.**  
 2 Q. If that -- if you were unable to, for  
 3 whatever reason, grow or just if the growth of those  
 4 heifers were stunted, what would be the business  
 5 effects of that do you think?  
 6 **MR. BLAZER:** Objection, there's no  
 7 evidence in this record that any such effect would  
 8 occur.  
 9 **CHAIRMAN CORNALE:** If -- please just  
 10 answer the question.  
 11 **MR. BLAZER:** My objection is it's  
 12 speculative.  
 13 **CHAIRMAN CORNALE:** Right. We can  
 14 speculate either way on this issue. So if you can  
 15 answer the question, just please answer it.  
 16 **A. I would say I wouldn't be able to quantify**  
 17 **any kind of economic, specific economic impact at**  
 18 **this point.**  
 19 **BY MR. LUETKEHANS:**  
 20 Q. But you would run the risk of losing  
 21 customers.  
 22 **A. If it did, for sure.**  
 23 Q. If it occurred, and I'm not saying you  
 24 know one way or another.

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1 **A. Right.**  
 2 Q. You were pretty clear you don't know one  
 3 way or another --  
 4 **A. That's right.**  
 5 Q. -- whether it would occur.  
 6 **A. But if it did, you know, it would**  
 7 **obviously alter the way we do business.**  
 8 Q. And alter the amount of money that you --  
 9 or the amount of goods and services that you were  
 10 able to purchase in Livingston County.  
 11 **A. Correct.**  
 12 Q. Okay. You talked about the indoor -- or  
 13 excuse me, the Indian drain -- let me get to the  
 14 right page, the Indian Grove Drainage District  
 15 mainline tile project. And you won't need to look  
 16 at this, but -- I don't think you need to look at  
 17 the sheet for this. What is the purpose of that  
 18 project? Is it really -- or, you know, how does  
 19 that project going through affect your business or  
 20 how will it help your business?  
 21 **A. As I kind of explained during the**  
 22 **presentation, it's -- it's the main, for lack of a**  
 23 **better word, artery I guess or main subsurface**  
 24 **drainage system that drains pretty much all the sub**

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1 mains that are not pictured on this, you know, the  
 2 picture that I put up there, that would feed into  
 3 this thing. The smallest tile that would be  
 4 represented on this map would be about an 18-inch  
 5 line, which is still a big main.  
 6 So, you know, if this thing quits working  
 7 or, you know, whatever, if it's affected in some  
 8 way, it is kind of -- I mean it just has a huge  
 9 impact on production. That's why the old-timers a  
 10 hundred years ago finally tiled things out so that  
 11 they could quit playing in the mud. Maybe that's --  
 12 we have to keep it up.  
 13 Q. That's what I'm really trying to figure  
 14 out. What's the physical effect if this -- if a  
 15 drain tile project like this were to fail or  
 16 whatever? What's the physical effect on a farm, I  
 17 don't know, just anywhere?  
 18 A. Yeah, I mean affects all the farmland  
 19 that's connected to it and all of the subsurface  
 20 drainage system that comes into it and the  
 21 farmstead. I mean you have farmstead drainage, too,  
 22 so --  
 23 Q. Okay, so it would -- it could possibly  
 24 create flooding of areas that --

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1 MR. BLAZER: Again, Mr. Cornale, if, could  
 2 possibly.  
 3 MR. LUETKEHANS: Oh, gosh.  
 4 MR. BLAZER: Where are we going with all  
 5 this speculation?  
 6 MR. LUETKEHANS: You know what? He talked  
 7 about a drainage project and I'm trying to  
 8 understand what the effects of not -- that drainage  
 9 project not working is.  
 10 MR. BLAZER: And what does that have to do  
 11 with anything we're talking about? It's pure  
 12 speculation.  
 13 MR. LUETKEHANS: It's -- you know what, he  
 14 testified to it. I'm just trying to do follow-up  
 15 and --  
 16 CHAIRMAN CORNALE: All right.  
 17 MR. LUETKEHANS: -- if this tile is  
 18 affected, I want to understand what the effect is.  
 19 MR. BLAZER: That's two ifs.  
 20 CHAIRMAN CORNALE: All right. Mr.  
 21 Luetkehans, we'll allow that question just in the  
 22 respect that the proposed siting is within a  
 23 proximity of this hundred-year-old main line.  
 24 Q. Do you remember the question, Mr. Zehr?

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1 A. I would say that, you know, according to  
 2 my diagram here that I referred to earlier, I don't  
 3 have the opportunity to refer to my slides, but the  
 4 biggest concern here was there was specifically one  
 5 turbine that's almost directly in the path of where  
 6 a new proposed line would go, and whether there's  
 7 options to re-engineer that, the engineering has  
 8 already been done for the project.  
 9 Q. Okay, but the purpose of the line is to  
 10 avoid flooding farms, correct?  
 11 A. That's right. I mean it's to make it so  
 12 we can time -- so we can, you know, in a timely  
 13 fashion farm our land. That's the investment that  
 14 we put in. We'll be paying for this thing, you  
 15 know, with taxes or whatever, and we don't really  
 16 want to pay for it twice, so yeah, we want it to  
 17 effectively drain our land for another hundred  
 18 years.  
 19 MR. LUETKEHANS: Thank you, Mr. Zehr,  
 20 appreciate it. Nothing further.  
 21 CHAIRMAN CORNALE: All right. Fellow  
 22 members of the ZBA, do we have any questions for Mr.  
 23 Zehr?  
 24 MS. HUISMAN: I've got one.

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1 CHAIRMAN CORNALE: All right.  
 2 QUESTIONS BY  
 3 MS. HUISMAN:  
 4 Q. Mr. Zehr, what kind of stimuli stress  
 5 calves or cows? And if they're different because of  
 6 the age range, can you specify that for me too?  
 7 A. I would say one of the primary, you know,  
 8 factors of stress in our operation, you know,  
 9 regardless of age, is weather, whether it's the heat  
 10 of summer, you know, brutal cold of winter. Those  
 11 are probably the most -- the main stressors. You  
 12 know, there's others. Trying to think of -- we  
 13 always try to limit exposure to, you know, other bio  
 14 security issues, whatever it might be, bringing in  
 15 outside animals that maybe have a pathogen or  
 16 something that's different than what we have as far  
 17 as introducing new stress or whatever it might be.  
 18 But I guess the first thing that comes to mind would  
 19 be weather.  
 20 Q. You said weather?  
 21 A. Yes.  
 22 Q. Okay, thank you. And with regard to the  
 23 drainage district, I'm assuming you're a member of  
 24 that drainage district.

1 A. Yes. I'm not a commissioner. I have  
2 talked to commissioners about the project. They  
3 share the concerns for sure. But I'm not a  
4 commissioner, I'm just -- we're just a participant  
5 in it.

6 Q. Okay. Are you aware of who -- who mapped  
7 out the placement of tile and how this drainage  
8 district is going to flow? Do you get that -- do  
9 you have input from the county on that?

10 A. I believe the commissioners hired an  
11 engineering company, Andrews Engineering, I'm not  
12 sure where they're from, but they engineered the  
13 project, laid out the path and, you know, the fall  
14 on the main.

15 Q. So then do you have to make like the FSA  
16 office or Soil and Water Conservation aware of what  
17 you're doing so that they know where's the placement  
18 of the tile? If you don't know, that's okay.

19 A. I don't, I don't know what --

20 Q. I'm just curious.

21 A. I don't know what the path is as far as --  
22 you know, I don't think so, but it could be.

23 Q. Okay. And then one question on your -- on  
24 the property owner participation summary. Can you

1 and that's really all I have to base my numbers off  
2 of, and if there was, then those could be  
3 corrections you could make in this tally because  
4 they would be considered participants.

5 MS. HUISMAN: Okay, that's all I've got.

6 CHAIRMAN CORNALE: Any other questions  
7 from the ZBA? Units of local government, school  
8 districts, anybody out there? Mr. Blazer, do you  
9 have any questions?

10 MR. BLAZER: No, sir.

11 CHAIRMAN CORNALE: All right. Interested  
12 parties from the audience? I've got a few here.  
13 I'll take -- yeah, come on up. Please state your  
14 name for the court reporter.

15 MR. HARMS: Donald Harms, Fairbury. I  
16 want to ask Nelson this.

17 CHAIRMAN CORNALE: Microphone, Mr. Harms.

18 MR. HARMS: Excuse me, am I on?

19 CHAIRMAN CORNALE: I think so. Green  
20 light going?

21 MR. HARMS: The red light's on.

22 CHAIRMAN CORNALE: Well, it will turn  
23 green. Flip it up, leave it alone, it will come on.

24 MR. HARMS: Got it. That better?

1 just clarify for me, I might not have been paying  
2 close enough attention, the difference, near the  
3 bottom of your page, between participating property  
4 owners being 289 and participating property owners  
5 with turbines being 99.

6 A. Right. If you would take 289 minus 99,  
7 you would come up with the number of individual  
8 participants that are just -- they're not receiving  
9 turbines, they're not getting turbines on their  
10 property. That's just they're, you know, signed up  
11 for connectivity to the collection line system,  
12 they're whatever, you know.

13 Q. So transmission lines, but did you say  
14 that you did not have access to like good neighbor  
15 agreements, so those numbers wouldn't take that --  
16 they wouldn't -- you're not considering them  
17 participating, are you?

18 A. If there would be good neighbor  
19 agreement -- if there's neighbor agreements that  
20 have been signed, I mean I would consider those as  
21 participating entities. I don't have any -- I don't  
22 have any knowledge of that, if they're -- you know,  
23 like I said, I think Mr. Parzyck testified that none  
24 had been executed as of the date when he testified,

1 CHAIRMAN CORNALE: Yes, it is.

2 QUESTIONS BY

3 MR. HARMS:

4 Q. Nelson, I want to ask a question. If I  
5 read the board correctly, the screen correctly,  
6 you've already circulated a petition for a no vote  
7 on the wind power; is that correct?

8 A. I think the petition that's being worked  
9 on is just a list that would be those opposing,  
10 opposing the project, you know. So if you're  
11 signing the petition, it would be -- it would be  
12 expressing your opposition for, you know, furthering  
13 the project.

14 Q. Okay. Have you or your committee, have  
15 you ever told the group of people out here and the  
16 people that are opposed how much revenue is going to  
17 come off of this wind farm?

18 AUDIENCE VOICE: Are you serious?

19 A. I certainly haven't told all of the, you  
20 know, people that have -- no, I haven't. I mean  
21 I --

22 Q. My feelings are if you're going to  
23 circulate the petition by getting people to say  
24 they're against this petition, then you're --

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1           **CHAIRMAN CORNALE:** Mr. Harms, Mr. Harms.  
 2           **MR. HARMS:** Ask a question, okay.  
 3   **BY MR. HARMS:**  
 4       Q. Okay. Are you aware of how many millions  
 5 of dollars every year is going to come in from this  
 6 wind farm in your community?  
 7       **A. I'm not -- I'm not going to testify to**  
 8 **those numbers as far as that goes. Like I said,**  
 9 **mentioned earlier in my testimony, if there's a need**  
 10 **for, you know, additional revenue to support our**  
 11 **county, we feel like there's better ways of going**  
 12 **about that. We don't -- you know, we don't know**  
 13 **that there's any guarantees as far as the revenues**  
 14 **that they're projecting.**  
 15       Q. There will be an article in the Fairbury  
 16 Blade and the Leader --  
 17       **CHAIRMAN CORNALE:** Mr. Harms, Mr. Harms.  
 18 Question on his testimony.  
 19       **MR. HARMS:** Better cut it off, huh?  
 20       **CHAIRMAN CORNALE:** Well --  
 21       **MR. HARMS:** Okay, sorry. Thank you.  
 22       **A. Thank you.**  
 23       **CHAIRMAN CORNALE:** Any other questions  
 24 from the audience? Carolyn, come on up.

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1           **QUESTIONS BY**  
 2           **MS. GERWIN:**  
 3       Q. This is Carolyn Gerwin, Pontiac, Illinois.  
 4 A couple points of clarification. You had -- again,  
 5 with the chart, when you identified the  
 6 participating owners, were you going according to  
 7 the information provided by the applicant? You were  
 8 going according to the yellow spaces as marked on  
 9 their map; is that correct?  
 10       **A. That's right. We -- there's an August --**  
 11 **like I said, the application, the application map**  
 12 **that was -- I had a copy of it there. According to**  
 13 **the August submission that they submitted, that's**  
 14 **where we -- yeah, from an acreage standpoint, that's**  
 15 **what we based it off of.**  
 16       Q. Okay.  
 17       **A. Made it accurate to the August submission**  
 18 **I guess you would say.**  
 19       Q. Well, the thing that kind of jumped out at  
 20 me, so you're taking their word for -- you're not  
 21 questioning which of those listed property owners  
 22 are turbines versus like a good neighbor agreement  
 23 or transmission lines or electrical lines. You're  
 24 just -- did you compare the map to that list to

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1 figure out who has turbines and who doesn't or how  
 2 did you figure that out? Or did you look at that  
 3 listing? You went by what the applicant gave you is  
 4 what I'm trying to get at.  
 5       **A. Yeah. From a participation standpoint,**  
 6 **all of that information was things that we**  
 7 **referenced from their materials. The...**  
 8       Q. Okay.  
 9       **A. I mean turbine -- determining the turbines**  
 10 **didn't come from the maps necessarily. That came**  
 11 **from, you know, just looking at the list.**  
 12       Q. The list.  
 13       **A. And there's -- obviously there's certain**  
 14 **owners that are getting multiple turbines, you know,**  
 15 **so we kind of -- what we wanted to do is kind of,**  
 16 **especially on the property owner thing, was just get**  
 17 **it down to where it's just individual entities, you**  
 18 **know, rather than just multiple -- reading the whole**  
 19 **list was some would have multiple listings under**  
 20 **them getting numerous turbines, so --**  
 21       Q. Well, that's a good segue into my next  
 22 question which is the reason I came up here, which  
 23 is you indicated there were 99 owners that were  
 24 getting turbines or that were listed as turbine

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1 hosts and the number of turbines is only 136, so --  
 2 and it's down to 134 now, so that means they're like  
 3 getting 1.3 turbines per owner then.  
 4       So if you're saying that there are some  
 5 owners that are getting multiple turbines, that  
 6 means that some of these turbine hosts are not  
 7 getting any turbines. Is that accurate?  
 8       **A. No, no. All the property owners that are**  
 9 **listed here as getting turbines are getting at least**  
 10 **one. The majority of them are getting one, and**  
 11 **there are some that are getting two, and there's**  
 12 **some that are getting four or five, just a few, so**  
 13 **that's the situation. All of the ones -- all 99 are**  
 14 **getting at least one.**  
 15       Q. Okay. All right, that's what I wanted to  
 16 know. Thank you. Oh, wait, I have one more  
 17 question. Are they guaranteed they're getting one?  
 18       **A. I can't speak to that.**  
 19       **MS. GERWIN:** Okay, thank you.  
 20       **CHAIRMAN CORNALE:** Anybody else in the  
 21 audience with a question? I don't see anybody.  
 22 County staff, questions? All right, Mr. Zehr, I  
 23 believe you're done, thank you.  
 24       All right, Mr. Luetkehans, I believe you

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1 have another witness that would like to testify this  
 2 evening.  
 3 **MR. LUETKEHANS:** Yes, Amber Severson.  
 4 **CHAIRMAN CORNALE:** All right, Ms.  
 5 Severson.  
 6 (Amber Severson was duly sworn.)  
 7 **CHAIRMAN CORNALE:** Ms. Severson, please  
 8 state your name and address for the court reporter.  
 9 **MS. SEVERSON:** Can you hear me? Okay, my  
 10 name is Amber Severson. I live at 200 West Maple  
 11 Street, Fairbury, Illinois.  
 12 Okay, I'm going to call out a couple  
 13 points of housekeeping just as we go through here.  
 14 There are just a couple of them. I'm calling them  
 15 housekeeping, just so you know what I'm talking  
 16 about when I get there. But one of them is actually  
 17 the Pleasant Ridge Wind Generation Power Plant  
 18 application that I have here.  
 19 Wind farm. This has nothing to do with  
 20 farming. That's marketing. This is a power plant.  
 21 And I feel strongly that if we weren't dealing with  
 22 a private entity and we were dealing with -- we were  
 23 dealing with Ameren or Commonwealth Edison, a lot of  
 24 the questions that we've had as a group would have

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1 been answered because they would have to have been  
 2 answered because they were a utility company. So I  
 3 just wanted to make that point before we get started  
 4 here.  
 5 **CHAIRMAN CORNALE:** We're going to have to  
 6 do something different with you because it's going  
 7 to keep feeding back. It's your position relative  
 8 to that speaker above you.  
 9 **MS. SEVERSON:** Okay. Can I move to the  
 10 right?  
 11 **CHAIRMAN CORNALE:** Yeah, if you move to  
 12 one side or the other, that should solve that  
 13 problem.  
 14 **MS. SEVERSON:** Okay.  
 15 **MR. LUETKEHANS:** You can sit here.  
 16 **MS. SEVERSON:** I just want to say that --  
 17 let me see if I can get this to move. I'm  
 18 articulating seven points, and I'm going to try and  
 19 move through this fairly quickly. A lot of this is  
 20 just visual, I'm a visual person. Also, we've  
 21 talked a lot at high levels about things, but  
 22 oftentimes you find the devil's in the details, and  
 23 so I wanted to point out some of those details and  
 24 then just show a bigger picture.

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1 So the first thing I want to talk about  
 2 was the Livingston County ordinance, wind farm  
 3 energy. When I first started looking at the  
 4 ordinance, it struck me as kind of odd. I was going  
 5 through and I first was -- I first was looking at  
 6 the applications and I first stumbled upon the solid  
 7 waste application. So it was a long thing looking  
 8 through the municipal code, but once I figured out  
 9 how to go through, work my way through the municipal  
 10 code to look at all of our ordinances, I read  
 11 through this solid waste ordinance. And if you can  
 12 see here, just for reference, it has many sections  
 13 and it talks about filing requirements,  
 14 accommodations of waste, public welfare, effects on  
 15 surrounding property, location, hazardous waste.  
 16 Anyway, to make my point, I had the  
 17 expectation when I was looking at the wind ordinance  
 18 that I would find something similar, right, written  
 19 by our board or written by our community, whatever,  
 20 articulated in that fashion. But what I found is  
 21 highlighted there in red, right here, is that the  
 22 wind ordinance really only covers the siting  
 23 application review requirements. It really doesn't  
 24 give us any other information on any of these areas.

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1 And so from my perspective, I thought that that was  
 2 lacking.  
 3 So I took a hard look at it because I was  
 4 trying to figure out where it came from. So I went  
 5 on the Internet and I started Googling some of the  
 6 verbiage in the ordinance, and what I found out  
 7 immediately was that we were not the only county  
 8 with this exact same ordinance. All of these  
 9 counties around us in red have the exact same  
 10 wording in their ordinance. Identical. The ones in  
 11 orange were almost identical and had some minor  
 12 changes. Cook County doesn't even have a wind  
 13 ordinance. The ones in blue have completely  
 14 different wind ordinances, and I think it would be  
 15 very hard if you read through their ordinances to  
 16 know whether or not they could even put a large wind  
 17 farm facility there, okay? But I thought this was  
 18 interesting and I thought how do all of these  
 19 counties have exactly the same ordinance?  
 20 And the reason this one says AWEA is  
 21 because it actually says AWEA in their ordinance.  
 22 They even called it out, so I imagine that's where  
 23 they got it from. So I went and looked a little bit  
 24 further and I found the model for the ordinance.

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1 You can see here that this ordinance was delivered  
 2 in -- scroll down. This ordinance, this was  
 3 actually a model that was made and it was made at  
 4 IIT in Chicago. So just what I did was I went  
 5 through here and I started looking at all of the  
 6 connections, all the connection points.  
 7 So what do I see here? I see this was  
 8 from a grant from Illinois Clean Energy Community  
 9 Foundation with help -- they had help from the law  
 10 firm of Baker and McKenzie doing pro bono assistance  
 11 on this draft. There's a girl down here, Holly  
 12 Gordon, who had quite a little bit to do with it, so  
 13 I just went a little bit deeper. Excuse me, sorry.  
 14 And one of the things that was -- that I  
 15 thought was fascinating also was that property  
 16 owners are mentioned only five times in our  
 17 ordinance. And something to remember as we're going  
 18 through this is right here, it says "property owner  
 19 from whom land is leased for locating the WECS." It  
 20 is spelled out in our ordinance as it is now and it  
 21 is spelled out that same way in the model ordinance,  
 22 but I just thought it was interesting that property  
 23 owners are not mentioned very often in this  
 24 ordinance.

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1 What I did do here was I compared the two  
 2 ordinances just to see if there were differences,  
 3 and there really aren't very many differences. One  
 4 difference that I see here, Section 56.617, fees,  
 5 through Freedom of Information, I believe that was  
 6 the one and the only amendment made to this  
 7 ordinance from the county zoning board. So this  
 8 ordinance was adopted by the board and it really  
 9 doesn't have anything in it; it's just coming from  
 10 this model.  
 11 These are some of the changes, some of the  
 12 things that are in our ordinance that are a little  
 13 bit different. For instance, if you compare the  
 14 model ordinance, you're going to see that these  
 15 numbers are different. I think it says like one  
 16 million in the model ordinance and these numbers are  
 17 different. So all this stuff is different in our  
 18 ordinance, but we didn't from -- this stuff is  
 19 different in our ordinance from the model, but we  
 20 did not make those changes, they were already there,  
 21 which means from the model to us somebody made  
 22 changes on that and it wasn't us.  
 23 In the decommissioning plan, there's some  
 24 changes also and some things that were excluded.

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1 So, for instance, something that was excluded or was  
 2 added was to be updated every three years as  
 3 determined by the zoning board. And in the model,  
 4 what was taken out from our ordinance was a  
 5 provision that county municipalities shall have  
 6 access to the site pursuant to reasonable notice or  
 7 to physically effect or complete decommissioning.  
 8 And I thought that was a little bit of a significant  
 9 little phrase there because right now the county  
 10 doesn't have access to the site per the ordinance,  
 11 so that part was taken out. I thought that was  
 12 interesting.  
 13 So I went a little bit deeper and I  
 14 Googled Holly Gordon and I found her, found her on  
 15 LinkedIn, and she was the girl who was on that  
 16 model. She went to IIT, Chicago Kent College of  
 17 Law, Baker and McKenzie helped write this ordinance,  
 18 and it was through the direction of the Illinois  
 19 Clean Energy Community Fund. Howard Learner was  
 20 very instrumental in this Illinois Clean Energy  
 21 Fund.  
 22 So now all of a sudden what I'm finding is  
 23 I'm finding politics. I'm finding that an old  
 24 governor, who made a deal with Commonwealth Edison

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1 when they got to sell some power plants, said you  
 2 have to take \$250 million and you have to -- you  
 3 have to create this Illinois Clean Energy Fund, a  
 4 non-for-profit. So all these guys that are sitting  
 5 on the board here are elected by -- are handpicked  
 6 by the governor, the House, the Speaker of the  
 7 House, so on and so forth. And this last guy is  
 8 picked by Commonwealth Edison and has to be someone  
 9 in the clean energy field.  
 10 So Holly's over here in San Francisco  
 11 right now, she's the legislative vice-president for  
 12 this company Sunrun, so she's still obviously in the  
 13 industry. Howard Learner here, he runs the  
 14 Environmental Law and Policy Center which started in  
 15 Illinois, and from a political standpoint, he is  
 16 very closely associated to the Obamas, so that was  
 17 interesting.  
 18 Then if you go down here, there's Mr.  
 19 Obama. Oops. There's Mr. Obama. A lot of  
 20 legislation that was written specific to the laws in  
 21 Illinois here that we've been discussing, I think  
 22 Mr. Loomis was talking about the public acts and the  
 23 taxation, the taxation laws, the mandate that we  
 24 have to have 25 percent of our energy by 2025 and 75

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1 percent of that has to be wind energy, that was all  
 2 legislation put in under Governor Blagojevich. And  
 3 just this last year, President Obama came to  
 4 Illinois to do some fundraising during the last  
 5 gubernatorial race and the senators and so on, and  
 6 he had a fundraiser sponsored by this gentleman  
 7 here, and that happens to be Michael Polsky, and he  
 8 is the CEO of Invenergy.  
 9 So when I look at this, I'm like, holy  
 10 cow. This is where my -- this here is where my  
 11 ordinance comes from, and there's this whole big  
 12 trail that leads around and it leads right to  
 13 Invenergy, and I thought that was interesting. I  
 14 didn't go looking for that; it just happened. I  
 15 just thought that was very interesting.  
 16 So at that fundraiser, you know, we've got  
 17 people collecting \$35,000 a couple to have dinner  
 18 with the President at Michael Polsky's Gold Coast  
 19 home, that's where the fundraiser was held, and just  
 20 for information's sake, there's also information  
 21 about this stimulation package and individuals who  
 22 received stimulation aid from there. And that would  
 23 be Michael Polsky. And I feel it's relevant because  
 24 here we are with Invenergy sitting in our back yard,

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1 and we've got all this stuff going on here.  
 2 We talked a little bit before about the  
 3 wind energy supply chain, and I just thought this is  
 4 actually -- comes straight from the wind energy, and  
 5 if you look at this when we were talking about  
 6 supply chain, this is where all -- this is where the  
 7 money's going to go. And you can see Gamesa is in  
 8 there, Invenergy is in there. So that's something  
 9 you can take a look at.  
 10 Now, why is it all important? It's  
 11 important because through Freedom of Information Act  
 12 I got the minutes of the meeting when this ordinance  
 13 was put into place. And part of that discussion was  
 14 right here. The discussion is the board members  
 15 would like to have an ordinance with tighter  
 16 restrictions to protect landowners. There's no  
 17 allowance for property value guarantees in the  
 18 ordinance. This is not an economical idea but  
 19 social engineering passed by legislators, which I  
 20 found was very interesting that someone actually  
 21 said that, because if you follow all the dots,  
 22 that's exactly where our ordinance came from. And  
 23 if amended, it doesn't pass; there's no criteria or  
 24 procedures in place for wind farms to adhere to; the

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1 number of wind towers on a farm. I mean this is all  
 2 concerns that the board brought up way back when in  
 3 2006 when they adopted this ordinance.  
 4 Now why is this important? Because it's  
 5 not our ordinance. It's not ours. We didn't write  
 6 it. And there's a lot of people here who don't want  
 7 to move forward with it. If you take into  
 8 consideration what you know here, it would be  
 9 important to think about not -- denying this permit  
 10 because we didn't even write this. This was written  
 11 by someone else. This is not our ordinance.  
 12 Okay, number two. Took a step back and I  
 13 wanted to know what the heck the hedonic method was  
 14 because I don't know. And Invenergy put a lot of  
 15 stock in that and said that it would not affect our  
 16 property values and that this report was stellar.  
 17 So what I did was I took a look at -- I went out  
 18 looking for something that could give me an idea of  
 19 what a hedonic model was.  
 20 So I went out there and I looked and I  
 21 found something. This link up here is to this  
 22 paper, but what I wanted to point out was there's a  
 23 few things that are important about the hedonic  
 24 model. One of them is that you need to have -- you

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1 need to have homogeny in your -- excuse me. I'm  
 2 going to skip through a couple of these.  
 3 You need to have homogenous data instead  
 4 of heterogenous data. What does that mean? The  
 5 data has to be the same kind of data, it's got to be  
 6 the same. So if you're talking about houses, they  
 7 need to be similar houses. If you're talking about  
 8 geographical location, it needs to be the same type  
 9 of geographical location. If you're talking about  
 10 neighborhoods, there has to be some neighborhood  
 11 specificity. So that's really important when you're  
 12 talking about the hedonic model.  
 13 So there's some -- there are some things  
 14 that work with hedonic modelling from the  
 15 perspective of assuming that the market operates  
 16 under perfect competition and there are a number of  
 17 buyers and sellers, okay. That's not necessarily  
 18 true. Hedonic price model only works under the  
 19 assumption that market equilibrium is there and  
 20 there's no interrelationships between the implicit  
 21 prices of attributes. Well, that's not true.  
 22 So what's important to remember in going  
 23 through this, sorry if this is long, is that your  
 24 data needs to be homogenous and one of our

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1 neighborhood attributes is going to be wind  
 2 turbines. And they did try and make -- and  
 3 misspecification, overspecification,  
 4 underspecification is a problem.  
 5 So one of Pleasant Ridge's exhibits was  
 6 Exhibit 35, Values in the Wind: A Hedonic Analysis  
 7 of Wind Power Facilities, by Heintzelmann and  
 8 Tuttle, so we've all heard about this. But what  
 9 Invenergy said was that this report supported their  
 10 findings of no sales property value declines, and  
 11 what this report actually said was there are three  
 12 areas that it looked at. And in one of the areas,  
 13 in Lewis County, there were no declines, but in  
 14 Clinton County and in Franklin County there were  
 15 substantial declines, and they were within .5 to 2  
 16 miles.  
 17 And so as we go through this, you're going  
 18 to see that I think -- I think -- and then it also  
 19 said finally this paper breaks with the prior  
 20 literature in finding any statistically significant  
 21 property value impacts from wind facilities. So  
 22 Invenergy is using this paper to support that  
 23 there's no sales difference in price, but the paper  
 24 itself says there's -- they do break with it because

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1 they do find a significant difference.  
 2 This is the area that they -- these are  
 3 the areas that they said they did the report in,  
 4 Lewis County, Franklin County and Clinton County,  
 5 and I just wanted to give you this map so that later  
 6 on you can reference these actual wind farms and you  
 7 can see that where I'm leading here is significant.  
 8 I found a study, hedonic study, that kept  
 9 its scope very limited, it was very homogenous, and  
 10 it didn't have -- it didn't have a ton of variables,  
 11 which is something you want in a hedonic model.  
 12 It's from Denmark. And what they actually said was  
 13 Heintzelmann and Tuttle find that nearby wind  
 14 facilities significantly reduce property values.  
 15 And at first this report said, made the stipulation  
 16 that the Heintzelmann and Tuttle use proximity to  
 17 wind turbines as a proxy for noise and visual  
 18 pollution, which implies the results that  
 19 Heintzelmann and Tuttle find property values reduced  
 20 should be interpreted with caution.  
 21 But what this study did was it actually  
 22 took into consideration noise and visual pollution.  
 23 And what they found, their conclusions and results  
 24 were that they found a significant decline, between

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1 8.8 and 14.49 percent, within a radius of .5 miles  
 2 to the nearest turbine. And, again, if you go  
 3 through this information, what you're going to find  
 4 is that there was a decline in proximity if you had  
 5 a view, but there was a larger decline if you had  
 6 noise. So you could add approximately 3 to 7  
 7 percent of the sales price can be explained by the  
 8 exposure to noise.  
 9 So I think what's important with this one  
 10 is that when you put them altogether, the reports  
 11 that we've seen, the Heintzelmann and Tuttle, this  
 12 one, and even Invenergy's own reports from Dr.  
 13 Thayer, Mr. Thayer, they all come to a conclusion  
 14 that anything within about two miles from point zero  
 15 of a wind turbine is an area of concern whether or  
 16 not it's going to produce a property value decrease.  
 17 And I just put a map like this on here.  
 18 This is Denmark. That's the size of Denmark on the  
 19 United States. In that Danish study, if you take  
 20 the time to read it, you're going to see that they  
 21 were very, very concerned about the homogeny of  
 22 their study knowing that, because it was a real  
 23 estate market, they were going to have heterogony,  
 24 but they were so concerned about it. And what's

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1 funny is the report that was done by -- that was  
 2 presented by Invenergy wasn't at all worried about  
 3 the homogeny because they had us all over the  
 4 country with their data collection.  
 5 All right. Sorry I'm a little bumpy here,  
 6 but I think I'm going to smooth out here. So now  
 7 we're going to examine Pleasant Ridge Exhibit 31,  
 8 which is the Impacts of Wind Power Projects on  
 9 Residential Property Values, so this is their own  
 10 report. And I took a different view of this.  
 11 First of all, as I said earlier, I wanted  
 12 to do a little housekeeping and this is one of those  
 13 housekeeping moments. Right here at the top, this  
 14 document was prepared as an account of work  
 15 sponsored by the United States Government. All  
 16 right, this is part of their disclaimer. And I have  
 17 to say as someone who writes white papers often and  
 18 who has collaborated with people at work to write  
 19 papers, I always know exactly what my paper is  
 20 about, I always know exactly what's in it, I know  
 21 what the other people's content is because my name  
 22 is on it, and so I would know if I wrote this paper  
 23 whether it was sponsored by the United States  
 24 Government or not. Just saying.

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1 So another point of housekeeping. While  
 2 this document is believed to contain correct  
 3 information, neither the United States Government  
 4 nor any agency thereof, nor the Regent of the  
 5 University of California nor any of their employees,  
 6 makes any warranty, expressed or implied, or assumes  
 7 any legal responsibility for the accuracy,  
 8 completeness or usefulness of any information,  
 9 apparatus, product or process disclosed, or  
 10 represents that its use would not infringe  
 11 privately-owned rights. I think that's a very huge  
 12 disclaimer considering that they're using this  
 13 report to preface why they want to put a big wind  
 14 complex somewhere, anywhere, in the country. That's  
 15 a huge disclaimer.  
 16 They also have an abstract, and we already  
 17 know some of this, but I just wanted to point it  
 18 out. We've heard it before. The present research  
 19 collected data on almost 7500 sales of single family  
 20 homes situated, and here's the important part,  
 21 within ten miles of 24 existing wind facilities in  
 22 nine different U.S. states.  
 23 Also, the conclusions of this study were  
 24 drawn by eight different hedonic pricing models that

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1 they smooshed together. Once you do that with a  
 2 hedonic model, you take eight of them and you smoosh  
 3 them together, you are just adding and adding and  
 4 adding, you're losing homogeny, you're adding  
 5 heterogony, and the fact that we're concentrating on  
 6 properties that can be up to ten miles away from a  
 7 wind facility really goes against the thought  
 8 process that we are focussing on what's happening  
 9 within two miles of it. We know right there that  
 10 that's where there's problems.  
 11 And then down here it says, "Although the  
 12 analysis cannot dismiss the possibility that  
 13 individual homes or small numbers of homes have been  
 14 or could be negatively impacted, if it finds that  
 15 these impacts do exist, they are either too small or  
 16 too infrequent to result in any widespread,  
 17 statistically observable impact."  
 18 Okay. Well, this is what we're going to  
 19 look at here. This is what I did. Here's their  
 20 map. Here are their nine locations. As you can  
 21 see, it's very heterogenous, they're all over the  
 22 country. We all know just from common sense that  
 23 these are all very different geographical areas,  
 24 they all have very different landscapes, very

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1 different people, there's so many variables there.  
 2 There's something in real estate that's called  
 3 location location location, and what's happening  
 4 here in Illinois is not going to be the same as  
 5 what's happening over here.  
 6 Okay. So I was looking to see if I could  
 7 look at their maps differently, and I came across  
 8 this website. It's called -- it's by the USGS.  
 9 It's called Wind Farm. If you hit on it, this is  
 10 what you're going to get. What we're looking at  
 11 here is we're looking at all those red dots all over  
 12 the country, those are all wind farm facilities. So  
 13 that kind of gives you a general idea of how many  
 14 wind farms are out there.  
 15 Now, if you use these little instruction  
 16 things over here, you need a different view, and  
 17 this view separates it by capacity up here. So you  
 18 can see 0 to 1 is blue, that's 0 to 1 megawatt, 1 to  
 19 2, 2 to 3, 3 to 4. So blue are small turbines. Get  
 20 up here to yellow and red, we're talking about lot  
 21 bigger turbines. So you can kind of just get an  
 22 idea by looking here what you're seeing.  
 23 So I used this to take a look at their  
 24 maps. First of all, just to familiarize you with it

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1 a little bit, I focused in, I used these controls  
 2 over here and I focused in, and this is Livingston  
 3 County. Take a look. There's Dwight, this is the  
 4 wind farm up there by Dwight. Here's Odell. Here's  
 5 us down here. Cool thing about this is if you hover  
 6 over this wind farm, any given wind farm, it gives  
 7 you a whole bunch of information. It gives you  
 8 capacity of the turbines, it gives you the blade  
 9 length, it gives you the total height of the -- of  
 10 each turbine. That's pretty interesting. And just  
 11 to give you a close-up of it so you can read it a  
 12 little better. And then if you go in closer, you're  
 13 going to get a closer look, you're going to actually  
 14 see -- you know, this is just like Google Earth, you  
 15 just go down and you can see all the different wind  
 16 turbines.  
 17 So what I did to take a hard look at their  
 18 maps is I created kind of a target. And so big  
 19 circle is five mile radius, four, three, here's the  
 20 two mile radius, one mile, and this goes by quarter  
 21 miles. I wanted to do this because I wanted to kind  
 22 of plot things on a steady map and see what -- just  
 23 see what it showed us.  
 24 And so if you look at Cayuga Ridge, for

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1 instance, where there's 100 turbines, here's a five  
 2 mile radius around one that's closest to Odell, and  
 3 you can see that Odell itself falls inside of a two  
 4 mile radius, so there's areas there that fall inside  
 5 of two miles. Now, of course, one of these two mile  
 6 circles obviously would fit on any one of these and  
 7 it would create a bigger -- it would create a big  
 8 mess.

9 So what I wanted to do was I just put them  
 10 on the outside edges just to take a look and see  
 11 what kind of a footprint two mile radius means.  
 12 We're assuming in here that everything is within a  
 13 two mile radius because it's all smooshed together.  
 14 So this is what the footprint looked like of Cayuga  
 15 Ridge. So this is what I was going for as I was  
 16 going to go through their report and their maps.

17 Okay. So their study area was nine, nine  
 18 locations, and in those nine locations they had  
 19 different facility names. If you take a look here,  
 20 this is in Washington, in Oregon, and they had a  
 21 number of facilities, and there's 582 turbines out  
 22 there. Wow, okay, so there's a lot of turbines out  
 23 there, and then we go down the list. So what I did  
 24 was I took a look at their maps and I mapped it,

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1 too, and I took a look at just what I could see.  
 2 What does it show me? Hold on.

3 Okay, so this is Invenergy's map that they  
 4 provided in their study, I shouldn't say Invenergy  
 5 but Dr. Thayer's study, and what I want you to take  
 6 note of in the Invenergy maps is that down here  
 7 they're on different scales. So we're going to  
 8 look, we're going to go through these maps, but in  
 9 their maps you're going to see a ten mile scale,  
 10 you're going to see an eight mile scale, six mile,  
 11 four mile, two mile, you know, but what I did was I  
 12 put everything on a five mile scale so that we could  
 13 just really take a look at it.

14 Now, the purple is houses, the houses  
 15 that -- the homes that they have sold, homes, and  
 16 these are the wind turbines. So this is what I see  
 17 on a topographical map, and mine are a little closer  
 18 in. So this is their nine canyons where they had it  
 19 all combined, basically nine canyons, one or two,  
 20 and we're just looking at the yellow ones right now.  
 21 Why? Because that's all that was built at the time.  
 22 So -- or, excuse me, I guess there's some green ones  
 23 in there too. Excuse me, we're looking at the green  
 24 ones; the yellow ones weren't there at the time.

Page 1979

1 What we're looking at is we're looking at  
 2 a five mile radius around this town. Now, why is  
 3 this impressive to me? This is impressive to me  
 4 because when I look at this, I see everything within  
 5 a two mile radius affecting virtually no one.  
 6 Everything within a five mile radius, it hits a  
 7 little bit between two and three miles of the town,  
 8 this Highland area, but they were measuring out here  
 9 on a ten mile radius, out ten miles. And so if you  
 10 would include houses outside here, I don't see how  
 11 that would really be impacted, so I don't see how  
 12 that's relevant to using this to locate other wind  
 13 farms. You know, this, there's nobody here in these  
 14 two miles, it's not going to affect anybody.  
 15 Remember, within two miles of ground zero is where  
 16 it's important.

17 And the other thing that I thought was  
 18 interesting was this is a 10 meter building right  
 19 here. That's our ordinance. I mean our ordinance  
 20 without special use is a building can only be 35  
 21 feet high out here in agricultural land. And those  
 22 Washington turbines that they were talking about  
 23 that we just looked at, they were 91 meters high.  
 24 This is what they want to put at Pleasant Ridge. So

Page 1980

1 they're using -- they're using data and they're  
 2 using turbines that are so much smaller there's  
 3 bound to be a difference here in effect.

4 So this is their Stateline which is part  
 5 of their map, and again when you look at this, see  
 6 all these blue, these are all blue turbines, they're  
 7 very little, they're not big turbines, they're not  
 8 big giant turbines, and again within two miles  
 9 there's nobody. You can see this is up in the  
 10 mountains.

11 Right here there's some farmland, you can  
 12 see that it's cut up in farmland, so this would be  
 13 in the three to five mile radius. That might be  
 14 more like us, but, you know, they're pretty far  
 15 away. And, again, they measured out here. They  
 16 went to up to ten miles away to get their data. And  
 17 there's nothing there. So from my perspective, this  
 18 is good siting of turbines. I mean you're putting  
 19 it where there isn't anybody.

20 Here's their Vansycle Ridge, and I'm just  
 21 going to go through these. This is the Vansycle  
 22 Ridge, this is still in Oregon, and all that they  
 23 were measuring in this one were these two groups,  
 24 these two blue groups. None of this stuff was here

Page 1981

1 before. When they did this study, the only thing  
 2 that existed were these. So again, there's nothing  
 3 there and so the impact is small. Of course, no  
 4 one's going to complain; there's nobody there.  
 5 Then there's Combine Hills in Oregon. Now  
 6 this is where the green ones were in, so the green  
 7 ones must have been in there at the same time, but  
 8 again, even when you take a look at it, here's the  
 9 five mile radius closest to the town, closest to  
 10 where there's population centers over here, it's  
 11 outside of the five mile radius. Everything within  
 12 the two mile radius, there's nobody there. I would  
 13 consider that good siting.  
 14 Okay. So now we're just going to step  
 15 through these because what you're going to see --  
 16 you know, if you guys want a copy of this, you can  
 17 get it or you can just take a look for yourself.  
 18 Again, here's Big Springs, Texas, and this is their  
 19 copy. And this is my picture. And what we're  
 20 looking at here are the blue ones again because  
 21 that's all that was there at the time. So five mile  
 22 radius. There's the town. It's within three to  
 23 five miles. There's a lot of people there and  
 24 that's kind of close. I mean that's splatter like

Page 1982

1 Fairbury, like Livingston County, but out here  
 2 there's nothing.  
 3 And if you look hard at these maps,  
 4 because you can look yourself, see all these little  
 5 pitted things and everything here? Well, if you  
 6 look real hard, you're going to find that in Big  
 7 Springs, Texas, this is already an industrial town.  
 8 All this pitting and everything that you're seeing,  
 9 that's all like gas and oil, little, you know -- so  
 10 this is an industrial town that just added some  
 11 small industrial turbines here, and later on they  
 12 added all these other ones. And you can see where  
 13 they added them. They added them out where they  
 14 have industrial stuff already. Well, we're not an  
 15 industrial location, so I just don't think this  
 16 really equates to Fairbury or Livingston County  
 17 either.  
 18 Now here's Oklahoma. There's Oklahoma's  
 19 map, Weatherford, Oklahoma, and here's how they're  
 20 sited. And what's interesting when you plot like  
 21 this is that a pattern starts to come up. So you've  
 22 got five mile radius closest to the town, and  
 23 there's Weatherford and it's kind of in there, but  
 24 the more you spread these turbines out across the

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1 countryside, the more people you're going to impact.  
 2 I mean look at that. Because now there's so much  
 3 more space in a two mile radius of any given  
 4 turbine. And this -- and Weatherford, Oklahoma,  
 5 it's within two miles in a lot of places. So I look  
 6 at that and I think, hmm, that's kind of what we're  
 7 going to look like. We're going to have turbines  
 8 spread all over the place and we're going to have  
 9 high impact within two miles.  
 10 Here's another location. This is Iowa.  
 11 This is actually on their map. You can see this is  
 12 an eight mile scale. And this is actually two  
 13 different locations. There's a wind farm up here  
 14 and there's a wind farm down here. They've got it  
 15 combined. I've got it separated. Here's Storm  
 16 Lake, which is the north one, and again you can see  
 17 these are smaller turbines because they're blue, so  
 18 they're not near as big as what they want to put by  
 19 us, but you see how spread out they are?  
 20 And what does that look like when you put  
 21 a five mile radius and then two mile radiuses around  
 22 it? You've got a lot of people within a two mile  
 23 radius of a turbine, so -- or I should say a lot of  
 24 property, a lot of land. I'm not going to say

Page 1984

1 there's a lot of people there necessarily, but it  
 2 just has -- it has the potential to be a larger  
 3 impact because you're just spreading it out all over  
 4 the place.  
 5 And the same thing with the -- this is the  
 6 same lake, but this is that southern wind farm in  
 7 Iowa. Again, it's spread out, and when you spread  
 8 it out, you get that -- you get that same effect.  
 9 And of course --  
 10 Okay, so then I went to Waverly, Iowa, and  
 11 they didn't have a map for Waverly, Iowa, and I  
 12 thought that one was interesting. And the reason  
 13 they don't have a map for Waverly, Iowa, is because  
 14 there's Waverly and there's the one turbine that  
 15 exists there, so I don't think that that belongs in  
 16 this study. I don't think that -- I mean that's not  
 17 even comparable to anything. So there's one turbine  
 18 and there might be -- and it's a small one and it's  
 19 within a two mile radius and then Waverly is within  
 20 a three to five mile. I mean one turbine, okay.  
 21 So here's Lee County, this is us, here's  
 22 us in Illinois, so we're getting a little closer to  
 23 home. And I mean I think we're all familiar with  
 24 these because we've seen them if you drive up 39.

Page 1985

1 I'm from Wisconsin, so I go up 39 a lot. This is  
 2 their map. Now, this is on a ten mile scale, so  
 3 what you're going to see here is actually a wind  
 4 farm here and wind farm over here. There's actually  
 5 two locations.  
 6 So that first wind farm is right here,  
 7 and, you know, those turbines when you're driving up  
 8 39 don't look very small, but these are actually  
 9 small ones. These are actually small ones because  
 10 they were in this study. And honestly, from a  
 11 siting perspective, it's pretty good siting in my  
 12 opinion. Why? Well, they have the geographical  
 13 boundary of the highway anyway, so they already have  
 14 that going through there, and they kept it in a  
 15 pretty tight group. And the tighter the group it  
 16 seems like, the less impact you're going to have  
 17 within that two mile radius no matter how many  
 18 people are there, right? So the less people that  
 19 are there, the better, like out in mountains in  
 20 Washington where there's nobody, or if you're going  
 21 to impact people, you know, keep it tight is kind of  
 22 what it looks like here. And there's 63 turbines  
 23 there.  
 24 And then the next site is down here, and

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1 they measured -- so this is really the same site,  
 2 all these over here and over here, and you see again  
 3 it's by the highway, but these are larger turbines,  
 4 and the more you spread them out, the more potential  
 5 impact you have on property owners or  
 6 nonparticipants because you just have -- because  
 7 you're spreading it out. And there's only 40  
 8 turbines there.  
 9 This is up in Door County, Wisconsin, this  
 10 is part of their report, so you can see the purple  
 11 properties, and this is actually a couple different  
 12 wind farms too. And when I look at it, this is what  
 13 I see. They're blue so they're small, so they don't  
 14 really -- you know, they're not equal to what  
 15 they're wanting to put here. They're quite small.  
 16 And there's 17 turbines in Red River,  
 17 Wisconsin, that's the footprint, but they've got  
 18 them pretty well -- they've got them pretty close,  
 19 so their footprint doesn't impact as many people or  
 20 as many -- potentially impact people. And here  
 21 there's only 14 turbines and again they're grouped  
 22 pretty closely, and so you can see that all of the  
 23 turbines are within one mile of each other. And so  
 24 if there's anybody inside of that one to two miles

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1 there, would they be impacted? Perhaps, yes. Would  
 2 their property values be impacted? Perhaps, yes.  
 3 But that footprint is very small, so not too many  
 4 turbines, small turbines, closely put together.  
 5 And then we get to Pennsylvania. So on  
 6 their map, this is a -- excuse me, on their map,  
 7 this is a six mile scale. Here's the properties,  
 8 but there's actually a number of wind farms here  
 9 that I hit individually. So here's Green Mountain,  
 10 which is this one right here, it's only seven  
 11 turbines. If you look hard at this geography,  
 12 you're going to see that that is by a roadway, but  
 13 also we're up in the mountains. They're up in the  
 14 hills, high hills, there isn't anybody real close to  
 15 that, but you can see that that cluster is quite  
 16 tight.  
 17 So again, it's a matter of there's a  
 18 pattern that -- when you look at this, there's a  
 19 pattern that's happening, and what's happening is if  
 20 you put wind farms where there aren't people in  
 21 tight clusters, probably works and you're not going  
 22 to impact property values. You spread them out all  
 23 over the place, you have the potential to impact a  
 24 lot more people, a lot more property values.

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1 There's another one. There's only five  
 2 turbines, okay? I just don't feel like that  
 3 equates. Here's another one. There's 20 turbines.  
 4 You can see that that's on a ridge, so there's  
 5 nobody -- there's nobody there. And again, that  
 6 ridge encompasses two miles, two square -- or excuse  
 7 me, the radius of two miles.  
 8 So we've got one more in Pennsylvania.  
 9 Again, you can see clearly it's on a ridge. They're  
 10 just -- I would say that's probably good siting.  
 11 There's only 43 of them though, there's not 136.  
 12 Okay. Now we're going into New York, and  
 13 again this map is on a four mile scale. So every  
 14 time you look at one of their maps, it's really  
 15 deceiving to your eye because the scale is different  
 16 on every single map. I needed to put them in a  
 17 scale so that I could understand.  
 18 So here's Madison, New York. Seven  
 19 turbines. That's one of them they evaluated. Of  
 20 course, these are a little bigger now, they're  
 21 green, they're not blue, but tightly grouped all  
 22 within -- if you look at that, that's all within a  
 23 half a mile of each other. So of course you're not  
 24 going to impact very many property owners that way.

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1 Okay, here's their next one, Madison  
 2 County one. And that's up here on my map. There's  
 3 a little more impact there it looks like. It looks  
 4 like it's in lower land, but, you know, like I said,  
 5 the more you spread them out, the more potential you  
 6 have to impact property owners and perhaps property  
 7 values.  
 8 So the other thing I wanted to do was just  
 9 point out that I did a scale model, and there's  
 10 Oklahoma, Texas, Washington, another Texas one,  
 11 their Oklahoma site -- can't see that -- Iowa, Iowa,  
 12 Iowa. These are the sizes of the turbines out  
 13 there. This is what they want to put here. So they  
 14 used this study to say we don't impact property  
 15 values, but they used turbines that were small,  
 16 because that's all they had, guaranteed I understand  
 17 that, but I don't see how it's relevant to siting  
 18 now with a turbine that's this large with 136 of  
 19 them.  
 20 So the next thing I want to go through is  
 21 examining Pleasant Ridge Exhibit No. 11, the  
 22 Pleasant Ridge neighbor agreement, and their  
 23 Pleasant Ridge Exhibit No. 7, their standard  
 24 easement agreement. And this is just a bit of

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1 housekeeping. Mr. Parzyck made it a point to say in  
 2 his -- at the very beginning of their presentation  
 3 that the Pleasant Ridge neighbor agreement does not  
 4 have any kind of a gag clause in it or a  
 5 confidentiality clause and that we as people on the  
 6 Internet, because they were trolling, were wrong.  
 7 There's no confidentiality clause in any of their  
 8 easement agreements.  
 9 Well, I was part of that conversation and  
 10 we were not talking about the good neighbor  
 11 agreement. We were talking about the standard  
 12 easement agreement, and you will see it does have a  
 13 confidentiality clause. So I just wanted to make  
 14 that clear that this is what we were talking about  
 15 and not the other one.  
 16 Now, I wanted to point out, as again  
 17 earlier when I was going through the ordinance, that  
 18 there was only five -- there was only five times  
 19 that a property owner was actually even mentioned in  
 20 that ordinance, just mentioned, and one of them is  
 21 here when they're defining the owner. Defining the  
 22 owner means Invenergy; they're the owners.  
 23 And what was interesting about this is,  
 24 it's in the codified, that "property owners for whom

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1 land is leased for locating the WECS." Leased is  
 2 important because the ordinance, as the model and as  
 3 the ordinance that we have codified, indicates and  
 4 insinuates that the landowners are going to be  
 5 signing leases. And this is why this is important.  
 6 This was actually brought up in the last  
 7 presentation.  
 8 This is important because if you have any  
 9 background in real estate you're going to know the  
 10 difference between a fee simple estate, a leasehold  
 11 estate and an easement estate, okay. A fee simple  
 12 estate is how people own their homes, most of them,  
 13 you know, where you own your home straight out.  
 14 It's the kind of estate that you want, okay?  
 15 A leasehold estate is the next best  
 16 estate, okay? A leasehold, which is what was  
 17 indicated in our ordinance, that the property owners  
 18 should have a lease agreement, means that what we've  
 19 been hearing. So what do I mean by that? Hi, I'm  
 20 Invenergy, I want to put a wind turbine on your  
 21 property, so it's only going to take up an acre or  
 22 so or however much. If you just sign this  
 23 agreement, that's -- you know, that's all we're  
 24 going to take. We're going to need some little bit

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1 of land to get a road to it, we're going to actually  
 2 need a little more land to put wires and stuff to it  
 3 and put underground stuff to it, but, hey, we just  
 4 want that piece of land for like, you know, a little  
 5 bit of time and that's what we're going to do.  
 6 But what we really have going on here are  
 7 easement estates. An easement estate is very, very  
 8 different. An easement estate is a grant of right  
 9 of possession, and many times easements -- if you're  
 10 taken to court because you've given someone an  
 11 easement, it's going to be very, very hard for you  
 12 to get rid of that easement.  
 13 Now, what's interesting about the order --  
 14 the instrument that Invenergy is using, if indeed  
 15 it's the instrument that everyone who is -- who  
 16 they've solicited has signed, what's interesting  
 17 about that, it has a lot of interesting language in  
 18 it, and I wanted to point out some of that, some of  
 19 that that you would expect, but some of it that you  
 20 wouldn't.  
 21 So, for instance, when you grant an  
 22 easement, this is what I would expect to see in  
 23 green. Owner hereby grants and conveys to grantee  
 24 an exclusive easement and lease to convert, maintain

Page 1993

1 and capture the flow of wind and wind resources  
 2 over, across and through the surface estate of that  
 3 certain real property. Okay, that makes sense.  
 4 But as you go down through here, it turns  
 5 around and says together with the rights to all  
 6 rents, royalties, credits and profits derived from  
 7 wind energy purposes -- okay, so that's wind energy  
 8 purposes -- and then says upon, over, across, and  
 9 under the property. Under the property. So if  
 10 you're going over the property, why is there a  
 11 statement saying that you're going to go under the  
 12 property? This again is an easement; this is not a  
 13 lease.  
 14 If you have a lease, you can lease  
 15 something to somebody. You can say in 20 years, off  
 16 you go, take your stuff off, that property is mine.  
 17 If you have an easement agreement, they can take you  
 18 to court and they can argue that easement into  
 19 perpetuity.  
 20 Now, I know that these agreements are a  
 21 combination. They've kind of bastardized this  
 22 agreement. It includes the pre -- one agreement  
 23 includes all of the pre-work for this project, it  
 24 includes the project itself when they build them, it

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1 includes the money you're going to get for this  
 2 project, and it includes even their right to be the  
 3 first -- they have first right to even extend this.  
 4 So that means, you know -- I don't know, there's a  
 5 lot in here.  
 6 This easement, the purpose of easement,  
 7 you're going to find things that you would expect,  
 8 okay, for this easement are solely and exclusively  
 9 for wind energy purposes is what it states and not  
 10 for any other purpose, and grantee shall have the  
 11 exclusive right to use the property for wind energy  
 12 purposes and to derive all profits therefrom. Okay,  
 13 we kind of all expect that.  
 14 But then you go down a couple more  
 15 sentences and then they state, which is kind of  
 16 contrary to that, together with any and all  
 17 activities related thereto, development activities,  
 18 including, without limitation, you would expect to  
 19 see determining the feasibility of wind energy  
 20 conversion, okay, and other power generation on the  
 21 property or on adjacent lands. What? Other power  
 22 generation on the property or on adjacent lands?  
 23 That's interesting. Including studies of wind, wind  
 24 direction, stuff we would expect, and extracting

Page 1995

1 soil samples.  
 2 So I thought about that one for a minute,  
 3 and I thought, well, if they're going to go under  
 4 the ground and they can extract oil samples and  
 5 they're talking about other power generation on the  
 6 property or on adjacent lands, this doesn't sound  
 7 like much like wind energy to me and it's an  
 8 easement, okay.  
 9 And then in number F here under easement,  
 10 they permit electromagnetic, audio, flicker, visual  
 11 view, light, noise, vibration, air turbulence, wake,  
 12 electrical radio interference, shadow or other  
 13 effects attributable to wind power facilities or any  
 14 other operational or development activities. All of  
 15 this is written so that the participant has to  
 16 accept all of this.  
 17 So if you have signed one of these  
 18 easement agreements, you can't complain about any of  
 19 this stuff. You have no recourse. You have to take  
 20 it the way it is because they spelled it out here.  
 21 You can't complain about vibration. You can't have  
 22 any ill effects from any of this. Doesn't matter.  
 23 So if you're a participant, maybe you don't mind if  
 24 you're not living on the property, but maybe you

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1 will mind and you have no recourse.  
 2 Assignments. This is in there. Grantee  
 3 shall have the right without obtaining the consent  
 4 of the owner to do any of the following with respect  
 5 to all or any portion of the property. So right  
 6 there I have a huge problem from a real estate  
 7 perspective because what you've been told is we just  
 8 want an acre to put a turbine on and we want a  
 9 little bit of a easement for a road and we need, you  
 10 know, da da da, but they have the right to all or  
 11 any portion of your property, and they can use it to  
 12 finance wind power facilities, okay?  
 13 They can grant co-easements, separate  
 14 easements, sub-easements, licenses or similar  
 15 rights, however denominated, to one or more persons,  
 16 or sell, convey, lease, assign, mortgage, encumber,  
 17 hypothecate, pledge or transfer to any or more  
 18 assignees the easement or any or all rights or  
 19 interest in the easement or in the agreement or any  
 20 or all rights or interest of grantee in the  
 21 property.  
 22 Basically what they're saying to you is we  
 23 have an easement for your whole property, so if you  
 24 have 160 acres, we have an easement for all of your

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1 160 acres. All of it. And if we want to -- if we  
 2 want to -- if we wanted to sell a separate easement,  
 3 we can. Who are they going to sub-easement this to?  
 4 I'm not saying they're going to, we have to trust  
 5 them that they won't, but I'm just reminded of some  
 6 other things that we have going on in our county.  
 7 We know that they want to run a rail  
 8 through so they can run oil over the rail. We know  
 9 that they want to put pipelines and things in, and  
 10 some people in other parts of the county are  
 11 fighting that. Well, if you have signed one of  
 12 these easement agreements, you've given them the  
 13 right to use your whole property as an easement.  
 14 And right here they said they can do  
 15 whatever they want with it pretty much. "Failure of  
 16 grantee to give notice of any such assignment shall  
 17 not constitute a default under this agreement and  
 18 shall not invalidate such agreement." So they don't  
 19 even have to tell you that they have sub-easemented  
 20 your property. It's not a default. They've put  
 21 that in there. I find that very interesting.  
 22 So I wanted to -- after talking about the  
 23 easements, I wanted to go over a few other things  
 24 because I found it very interesting that they

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1 could -- they want to go under your property, and I  
 2 find it very interesting that they wanted -- they  
 3 can generate other types of power. Even though they  
 4 say they're solely going to do wind power, they  
 5 threw something in there that says they can do other  
 6 types of power.  
 7 Well, Invenergy itself is an energy  
 8 company, and yes, it has wind and we know it has  
 9 solar and it also has natural gas, and someone asked  
 10 me why are they targeting us from a wind  
 11 perspective? So here's the NREL wind map and you  
 12 can see over here the wind chart. Well, we have  
 13 quite a little bit of wind. Obviously right here  
 14 where we saw a lot of turbines over the country,  
 15 there's heavier wind here, okay. So that's kind of  
 16 interesting.  
 17 And here's Illinois, a little more  
 18 specific. There's us right in there. So that's why  
 19 we're being targeted. There's something else we've  
 20 got. Here's the power almanac and this is pretty  
 21 interesting. What else do we have under our  
 22 property? Here we are. We've got coal, we've got  
 23 coal reserves, and you know what, there's different  
 24 types of coal. There's like bad-burning coal that's

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1 kind of slow and blah blah blah, and there's really  
 2 good-burning coal that burns like crazy. And guess  
 3 what we're sitting on? We're sitting on great coal.  
 4 So there's also something else we're  
 5 sitting on. We're sitting on natural gas. We're  
 6 sitting on natural gas fields. Now, these fields  
 7 down here are what's called in play, and if anybody  
 8 has been paying any attention, there's a fracking  
 9 bill that just got passed during a lame-duck session  
 10 here in Illinois, and they're targeting stuff down  
 11 here. But these lease -- these easement agreements  
 12 who have locked these people in for 42 years, so  
 13 what's to say that that isn't going to happen? Is  
 14 this speculation? Yes, this is speculation, I will  
 15 admit that that's speculation, but it's in your  
 16 easement agreement that you're going to go under the  
 17 property and you can develop other types of energy.  
 18 So I feel like it's fair speculation. We also have  
 19 coalbed methane. It's a fuel source. We've got  
 20 shale down there. Perfect for fracturing.  
 21 So the next thing I wanted to bring up was  
 22 that we have an ordinance, we have a solicitation  
 23 ordinance, and I feel strongly that this  
 24 anti-solicitation ordinance has not been met by

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1 Invenergy. Why do I say that? Because the  
 2 ordinance, first of all, defines what solicitation  
 3 is and who vendors are, what peddling is. So we've  
 4 got peddling is the act of going from house to  
 5 house, from place to place or from street or street,  
 6 conveying or transporting the sale of goods, wares,  
 7 magazines or merchandise. Sale of goods includes  
 8 contracts. So as they've been going through our  
 9 town or our unincorporated Livingston County for --  
 10 since 2006 soliciting contract sales, they're also a  
 11 transient merchant, okay.  
 12 And what this ordinance says is there's a  
 13 license required to be a -- to solicit in our  
 14 unincorporated Livingston County and to be a  
 15 transient merchant. And so what I did was the  
 16 Freedom of Information Act, and I got all of the  
 17 licenses from 1999 to the end of 2014, and there is  
 18 no licensing by Invenergy or any of the other  
 19 companies.  
 20 So I feel that because of this ordinance  
 21 in place, that might be -- if you have an easement  
 22 agreement, number one, our ordinance says property  
 23 owners are making a lease agreement not an easement  
 24 agreement. It's -- it's there. It's fragile I

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1 think, but I think it might be actionable, and I  
 2 think that from a licensing perspective, none of  
 3 these companies have been licensed and they've been  
 4 peddling and soliciting contracts since 2006 in our  
 5 county, in unincorporated Livingston County.  
 6 **CHAIRMAN CORNALE:** Ms. Severson, not to  
 7 interrupt.  
 8 **MS. SEVERSON:** Yes.  
 9 **CHAIRMAN CORNALE:** You're on Section 4.  
 10 Have you got quite a few before we get to Section 5  
 11 or --  
 12 **MS. SEVERSON:** Nope. Actually the rest of  
 13 it goes very quick. I did the long part.  
 14 **CHAIRMAN CORNALE:** Say that again.  
 15 **MS. SEVERSON:** I said the rest of this  
 16 presentation goes quick. It's almost finished  
 17 actually.  
 18 **CHAIRMAN CORNALE:** Okay.  
 19 **MS. SEVERSON:** What time is it, I'm sorry?  
 20 **CHAIRMAN CORNALE:** It's a quarter to  
 21 10:00.  
 22 **MS. SEVERSON:** Oh, okay. Can you give me  
 23 15 minutes and I'll be done?  
 24 **AUDIENCE VOICES:** Yes, yes, yes.

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1 **CHAIRMAN CORNALE:** Yes, 15 minutes.  
 2 **MS. SEVERSON:** All right.  
 3 **CHAIRMAN CORNALE:** Okay, 15 minutes. I'm  
 4 going to -- I'll signal you at five 'til.  
 5 **MS. SEVERSON:** Time me, time me.  
 6 **CHAIRMAN CORNALE:** Go.  
 7 **MS. SEVERSON:** Okay, so if my slides will  
 8 work. Number four -- excuse me, number five, money.  
 9 This is going to be a quick one. None of us know  
 10 how much a turbine costs to put up. We can't get  
 11 that information. It's a private company. That's  
 12 confidential. They're not a public utility; they're  
 13 not going to tell us. Well, I went looking.  
 14 Guess what? Seneca Nation of Indians  
 15 wants to put up one eight -- 1.8 megawatt wind  
 16 turbine. That's perfect. I can compare that to  
 17 what's going on here. This is March of 2014, so  
 18 it's a comparable time. This is where they're going  
 19 to put it. And they gave me money numbers.  
 20 Now, a lot of it is subsidized you can  
 21 see. 2.5 million of it is subsidized by the federal  
 22 government and New York state. That's irrelevant to  
 23 us. The Indian Nation, Seneca Nation, is going to  
 24 include \$3.5 million. The total cost of that one

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1 turbine is \$6 million. So I think at least now we  
 2 have something that's a baseline for knowing how  
 3 much one turbine costs.  
 4 Well, they are wanting to put up 1.7, 1.6  
 5 megawatt turbines. They probably get a quantity  
 6 discount because they're putting up 136 of them, but  
 7 this is the math. This little chart up here comes  
 8 from the State of Illinois. This is how you figure  
 9 out this. There's a -- I have a -- I have a  
 10 reference to it so the board can look at it, but I  
 11 just wanted to make this comparison.  
 12 If I build a \$6 million home and they put  
 13 up a \$6 million turbine, and my fair market value  
 14 you know is going to be \$6 million, but because of  
 15 this, their fair market value is only \$720,000. And  
 16 you know my taxed amount is going to be \$2 million  
 17 because it's one-third of that. Well, their taxed  
 18 amount is only \$240,000. And we're about 10 percent  
 19 taxes here in the county, so they're going to pay  
 20 \$24,000 a year in taxes for the \$6 million turbine.  
 21 For my house, I'm going to have to pay you \$200,000  
 22 a year for my \$6 million house.  
 23 Okay, so what does that mean for 136  
 24 turbines? That means \$24,000 a year, we're going to

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1 get \$3,264,000 in taxes a year plus depreciation,  
 2 blah blah blah, for these turbines, but if we had  
 3 136 \$6 million homes, you would get \$27 million. So  
 4 when it comes to money -- now, I know this is state  
 5 law and I know that we can't change this right now,  
 6 so I know this is the figure we're stuck with, but  
 7 what I'm saying is we're not really making out here.  
 8 And again, this goes back to the political portion  
 9 of it that I showed earlier on. There's politics  
 10 going on here and it's not for our benefit.  
 11 Okay, let's talk about birds. This is a  
 12 whooping crane. These are near and dear to my  
 13 heart. I want to get through this fast because I  
 14 actually have a video that I want you to watch, but  
 15 I'm not going to ask her to play it because of our  
 16 time frame. If you'll let me play it at the end, I  
 17 will.  
 18 What I want to say is it upset me very  
 19 much, I'm from Wisconsin, it upset me very much when  
 20 their biologist said that this is an experimental  
 21 group and they're not really important. Well, you  
 22 know what? That's crap. Experimental from an  
 23 endangered species perspective means absolutely  
 24 this. It's experimental so that they can try and

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1 increase the herd without adhering to the stringency  
 2 of the Endangered Species Act because it's really  
 3 hard to try and increase the number any other way.  
 4 You have to be experimental. I have exhibits in  
 5 there, too, to that effect.  
 6 Excuse me, this won't work. And the  
 7 eastern flock is the one they're talking about.  
 8 They're bred up in Wisconsin, they're led by  
 9 ultralights, and there's a pathway here. We have  
 10 two flocks in the United States. And this one for  
 11 Operation Migration, this is called Deke's Way, it's  
 12 been around for almost 25 years. Okay, so we're  
 13 putting these things in and we're not paying any  
 14 mind to where we're really putting them when it  
 15 comes to this population or birds in general.  
 16 You can see right here, interesting  
 17 enough, there's Livingston County. We have a stop  
 18 here. LaSalle County's six, we're seven, and Piatt  
 19 County. That's us right there. And I always  
 20 thought it was cool because I lived here, until  
 21 whooping cranes, all of a sudden, didn't matter at  
 22 all in a green environment.  
 23 So here's the distribution map of whooping  
 24 crane migration, and this is important because if

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1 you look here, where are they flying? They're  
 2 flying where the wind is because that's what birds  
 3 do. The same thing they're doing here. And where  
 4 are we putting wind turbines because it's green  
 5 energy? Right where all the birds -- not just  
 6 whooping cranes but right where all the birds fly.  
 7 Why? Because they use the wind.  
 8 So I just put this map back in there so  
 9 that you could see where we're building this stuff.  
 10 Right in bird migration territory. It's not green  
 11 at all from that perspective, not at all. And from  
 12 Operation Migration, I put a link there so that you  
 13 can check it if you want, but in one of their diary  
 14 entries, this is what they said about the species  
 15 falling on hard times and losing habitat. And it  
 16 says, "The picture is also alarming in the cranes'  
 17 migration corridor or where decreased rainfall  
 18 amounts are expected to dry up at stopover wetlands,  
 19 and thousands of wind turbines and associated power  
 20 lines are being built right next to whooping crane  
 21 wetlands." I didn't make this up. It's fact. Some  
 22 people might say who cares, it's just birds, but I  
 23 care. And if you watch the video, that will be  
 24 cool.

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1 So the big picture. Here's the big  
 2 picture when I look at the ordinance and what's  
 3 happening around us. You know, this is our county,  
 4 Livingston County, and what I did was I mapped  
 5 here -- I found on Dr. Loomis's page from ISU, I  
 6 found three spreadsheets, and those are included in  
 7 in my documentation. One is for completed wind  
 8 farms, one is for proposed wind farms, and one is  
 9 for permitted wind farms.  
 10 And so this is our county. So here's a  
 11 completed wind farm, two townships for 100.  
 12 Invenegy wants nine townships for 136? That's what  
 13 they are telling us. But I have to tell you, if you  
 14 look on this website, you're going to see that the  
 15 proposed amount here is for 333 turbines. So  
 16 they've just put in an application for 136, but they  
 17 have intention, at least Dr. Loomis has it recorded,  
 18 that they intend to put 333 here.  
 19 **AUDIENCE VOICE:** Shame, shame, shame.  
 20 **MS. SEVERSON:** So here what's permitted  
 21 was K4 wind farm. However, Livingston County pulled  
 22 out of that, so I'm happy about that. Even though  
 23 it was permitted, we pulled out. Here's permitted  
 24 up here, and this is one up by Blackstone that

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1 they've been arguing about or that people have not  
 2 wanted it to go through. That's 164, I put the  
 3 numbers up there, 164.  
 4 So if you do the math here -- here's one  
 5 that's permitted. There's overlapping. I mean what  
 6 part of our county -- outside of this, what part of  
 7 our county isn't going to have wind turbines in it?  
 8 And also remember that we're encroached upon. I  
 9 mean this -- the wind farm up here goes right to our  
 10 county line. That's in LaSalle County. Obviously  
 11 this one over here, we have 25 of 100 over here. We  
 12 know this is being built, we're not participating in  
 13 it anymore, but it's going to be encroached right up  
 14 against our county, so we're going to be surrounded  
 15 by them, so much so that -- this is McLean County.  
 16 McLean County has gone insane. Here's the  
 17 one wind farm. Then they built the second one and  
 18 extended it towards Gibson City. So this is Route 9  
 19 and this is the other one they crammed in that  
 20 little space right up there. Okay, they've got this  
 21 whole area permitted. They've got this whole area  
 22 permitted. They've got this, a proposed one, a  
 23 second one, on here. This right here, folks, is  
 24 Route 24. This is us.

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1 So here we are complaining about this big  
 2 ass wind -- excuse me, wind farm going over here,  
 3 and we've already got McLean County permitted for  
 4 hundreds and hundreds and hundreds of turbines.  
 5 They've gone nuts. They've got proposed stuff down  
 6 here.  
 7 And I did one more because it's gone nuts,  
 8 too, and that's Ford County. That small little  
 9 county over there, they've gone nuts too. They've  
 10 got stuff permitted, here's K4 going over here,  
 11 they've got a few things built here, they've got  
 12 wind farms on top of wind farms being proposed.  
 13 And here's what the big picture looks  
 14 like. This is it. That's our stopover in  
 15 Livingston County for Operation Migration. That  
 16 circle right there, it's right in the wind farm,  
 17 folks, it's right there. This is north of the  
 18 river, and the proposed turbines are just south of  
 19 the river. And we're going to create a line right  
 20 across there right where we have an Operation  
 21 Migration stop.  
 22 We already have all these -- look at all  
 23 these wind farms that are already here. Everything  
 24 that's in red has been permitted, folks. This one

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1 you can take out, that's why I have a red line  
 2 around it, that's not us, but we're encroached upon  
 3 everywhere. So if we don't build one more wind farm  
 4 in Livingston County, if all this stuff goes in,  
 5 we're going to be surrounded anyway. All these  
 6 green circles are towns. There's Route 24 right  
 7 there. That's a five mile radius around each town.  
 8 So you can see the Odell wind farm, you  
 9 know what, it was grouped tightly, it's really  
 10 pretty big, 100 turbines, but it's too close to  
 11 Odell. But then there's little towns out here that  
 12 probably didn't want to be engulfed by these big  
 13 giant turbines either, so it's kind of catch-22 now,  
 14 we're in a catch-22.  
 15 So anyway, that's the big picture. And  
 16 that's what it looks like from a little farther  
 17 distance. There's Operation Migration. You can  
 18 already see we've already -- I have a buddy who  
 19 actually is one of the pilots and went to high  
 20 school with him, and they had to take one crane  
 21 around this wind farm, flew right over my  
 22 employment, I got to watch them, because he would  
 23 not go over the top of them. Would not go.  
 24 A lot of the migration now is going this

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1 way and you can see why. They're ending up in  
 2 Indiana. They're supposed to come down this way,  
 3 it's safer, but they're coming closer to Chicago and  
 4 they're going into Indiana.  
 5 And if you give me a couple -- if you give  
 6 me eight minutes, we can play a video. I'd love it  
 7 if you would watch it. Mr. Chairman?  
 8 **CHAIRMAN CORNALE:** I've got four minutes  
 9 to 10:00.  
 10 **MS. SEVERSON:** Okay, could you please --  
 11 could you please play the video?  
 12 **CHAIRMAN CORNALE:** Yeah, you can play the  
 13 video. We may have some questions for you kind of  
 14 as the video is playing, how about that?  
 15 **MS. SEVERSON:** That's fine.  
 16 **CHAIRMAN CORNALE:** Can we negotiate? Mr.  
 17 Luetkehans, do you have any questions?  
 18 **MR. LUETKEHANS:** No.  
 19 **CHAIRMAN CORNALE:** Fellow zoning board  
 20 members, do you have any questions? All right.  
 21 Questions? All right. It's late. School  
 22 districts, local governments. We never have any of  
 23 them, I'm going to quit asking for them. Mr.  
 24 Blazer.

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1 **QUESTIONS BY**  
 2 **MR. BLAZER:**  
 3 Q. Just one question, ma'am.  
 4 **A. Sure.**  
 5 Q. And I don't need you to go to your slide  
 6 24, but slide 24 was where you talked about the  
 7 Heintzelmann and Tuttle study.  
 8 **A. Yes, I remember. I was a little**  
 9 **discombobulated.**  
 10 Q. And you had indicated that the study found  
 11 that they found no property value impact in Lewis  
 12 County?  
 13 **A. In one county, yes.**  
 14 Q. And you agree with that, right?  
 15 **A. I agree with that, and actually I didn't**  
 16 **get to put it on here, which would have been more**  
 17 **maps, but if you look on the USGS map and take a**  
 18 **look yourself, what you're going to find is very**  
 19 **interesting. The pattern I was trying to establish**  
 20 **was that what's important is within a two mile**  
 21 **radius, and the more you spread out the footprint of**  
 22 **a wind farm, the more potential impacts you have and**  
 23 **I think the more impacts you do have on property**  
 24 **values.**



<b>\$</b>	<p><b>According (5)</b> 1892:11;1947:1; 1954:6,8,12</p> <p><b>account (1)</b> 1972:14</p> <p><b>accuracy (1)</b> 1973:7</p> <p><b>accurate (5)</b> 1934:4,8;1939:8; 1954:17;1956:7</p> <p><b>accurately (2)</b> 1898:18;1935:19</p> <p><b>ache (6)</b> 1898:16,19;1899:1, 3,5;1900:22</p> <p><b>achy (1)</b> 1898:15</p> <p><b>acknowledge (1)</b> 1901:8</p> <p><b>acknowledged (1)</b> 1934:22</p> <p><b>acre (3)</b> 1927:2;1991:21; 1996:8</p> <p><b>acreage (5)</b> 1932:10;1935:1,13; 1938:17;1954:14</p> <p><b>acreages (1)</b> 1934:7</p> <p><b>Acres (13)</b> 1915:8;1916:3; 1930:14;1932:7; 1934:1;1935:5,9,11,24; 1936:8;1938:12; 1996:24;1997:1</p> <p><b>Acres's (1)</b> 1920:11</p> <p><b>across (9)</b> 1867:1;1897:3; 1906:21;1935:15; 1975:7;1982:24; 1993:2,8;2009:20</p> <p><b>Act (4)</b> 1966:11;2000:4,16; 2005:2</p> <p><b>acted (1)</b> 1897:11</p> <p><b>acting (1)</b> 1923:4</p> <p><b>action (1)</b> 1867:6</p> <p><b>actionable (1)</b> 2001:1</p> <p><b>active (2)</b> 2014:3,4</p> <p><b>activities (4)</b> 1899:4;1994:17,17; 1995:14</p> <p><b>activity (2)</b> 1882:18;1903:24</p> <p><b>acts (1)</b> 1964:22</p> <p><b>actual (5)</b> 1885:21;1888:12; 1893:22;1932:10; 1970:6</p> <p><b>Actually (37)</b> 1876:21;1880:9; 1893:7;1901:4;1916:6; 1924:8;1927:1; 1933:17;1934:15; 1936:17,19;1942:18; 1957:16;1960:21; 1961:3;1966:4,20; 1969:11;1970:12,21; 1976:13;1983:11,12; 1985:3,4,8,9;1986:11; 1987:8;1990:19; 1991:6;1992:1; 2001:12,17;2004:14; 2010:19;2012:15</p> <p><b>add (1)</b> 1971:6</p> <p><b>added (6)</b> 1898:14;1963:2; 1982:10,12,13,13</p> <p><b>adding (4)</b> 1974:3,3,4,4</p> <p><b>additional (3)</b> 1880:21;1934:13; 1953:10</p> <p><b>address (7)</b> 1865:24;1866:3; 1895:4,6;1907:15; 1914:5;1957:8</p> <p><b>addressed (1)</b> 1903:18</p> <p><b>adept (1)</b> 1872:12</p> <p><b>adequately (1)</b> 1910:2</p> <p><b>adhere (1)</b> 1966:24</p> <p><b>adhering (1)</b> 2005:1</p> <p><b>adjacent (5)</b> 1919:18;1929:23; 1994:21,22;1995:6</p> <p><b>Adjourned (1)</b> 2015:12</p> <p><b>adjusting (1)</b> 1934:19</p> <p><b>adjustments (3)</b> 1934:12,13;1938:1</p> <p><b>admit (2)</b> 1899:22;1999:15</p> <p><b>adopted (2)</b> 1962:8;1967:3</p> <p><b>adult (8)</b> 1896:10;1897:1,4, 12,22;1900:7,14; 1901:4</p> <p><b>adult's (1)</b> 1898:23</p> <p><b>adverse (2)</b> 1905:7,22</p> <p><b>advisor (2)</b> 1926:12,12</p> <p><b>affect (21)</b> 1909:18;1916:18; 1917:18,19;1918:22; 1919:4,21;1924:22,23; 1925:5,20,20,21,24; 1926:17,23;1929:12; 1930:3;1944:19; 1967:15;1979:14</p> <p><b>affected (10)</b> 1893:4;1909:8; 1918:16,20;1921:10; 1928:3;1933:10; 1939:21;1945:7; 1946:18</p> <p><b>affecting (3)</b> 1892:2;1919:7; 1979:5</p> <p><b>affects (3)</b> 1893:24;1920:15; 1945:18</p> <p><b>affirmed (5)</b> 1865:17;1895:2; 1907:13;1914:2,3</p> <p><b>afield (1)</b> 1877:2</p> <p><b>Again (32)</b> 1864:15;1870:9; 1877:6;1887:18; 1896:21;1899:10; 1905:17;1929:15; 1935:10;1946:1; 1954:4;1971:2;1980:5, 8,15;1981:2,8,18,20; 1983:16;1984:7; 1986:2,21;1987:17; 1988:5,9,13;1990:16; 1993:12;2001:14; 2004:8;2013:4</p> <p><b>against (4)</b> 1910:11;1952:24; 1974:7;2008:14</p> <p><b>age (5)</b> 1895:16;1916:8,12; 1948:6,9</p> <p><b>agency (1)</b> 1973:4</p> <p><b>ago (11)</b> 1866:18,24;1867:17; 1874:1;1903:8;1908:1; 1914:13;1923:16; 1926:10;1928:8; 1945:10</p> <p><b>agree (3)</b> 1883:9;2012:14,15</p> <p><b>agreed (1)</b> 1897:6</p> <p><b>agreement (19)</b> 1950:19;1954:22; 1989:22,24;1990:3,11, 12;1991:18,23; 1993:17,22,22;</p> <p>1996:19;1997:17,18; 1999:16;2000:22,23,24</p> <p><b>agreements (9)</b> 1933:15;1934:20; 1950:15,19;1990:8; 1993:20;1995:18; 1997:12;1999:11</p> <p><b>agricultural (3)</b> 1921:21;1941:5; 1979:21</p> <p><b>agriculture (5)</b> 1920:15;1921:14; 1929:18;1940:22; 1941:14</p> <p><b>ahead (6)</b> 1863:3;1875:5; 1894:20;1913:3; 1930:16;1941:19</p> <p><b>aid (1)</b> 1965:22</p> <p><b>air (2)</b> 1924:18;1995:11</p> <p><b>alarmed (1)</b> 1909:1</p> <p><b>alarming (1)</b> 2006:16</p> <p><b>allow (5)</b> 1870:17;1875:6,8; 1936:13;1946:21</p> <p><b>allowance (1)</b> 1966:17</p> <p><b>allowed (2)</b> 1882:14;1910:1</p> <p><b>Allowing (1)</b> 1910:8</p> <p><b>almanac (1)</b> 1998:20</p> <p><b>almost (10)</b> 1900:18;1925:16; 1927:12;1930:14; 1937:17;1947:5; 1960:11;1973:19; 2001:16;2005:12</p> <p><b>alone (1)</b> 1951:23</p> <p><b>along (3)</b> 1864:13;1865:12; 1896:24</p> <p><b>alter (2)</b> 1944:7,8</p> <p><b>although (4)</b> 1897:13;1901:22; 1930:8;1974:11</p> <p><b>altogether (1)</b> 1971:10</p> <p><b>always (6)</b> 1866:19;1919:14; 1948:13;1972:19,20; 2005:19</p> <p><b>Amber (3)</b> 1957:3,6,10</p> <p><b>amended (1)</b> 1966:23</p>
<b>A</b>	<p><b>abandoned (2)</b> 1901:18;1909:3</p> <p><b>abandonment (2)</b> 1904:2;1905:9</p> <p><b>ability (3)</b> 1916:19;1919:21; 1925:18</p> <p><b>able (5)</b> 1891:14;1917:11; 1926:18;1943:16; 1944:10</p> <p><b>above (2)</b> 1902:20;1958:8</p> <p><b>Absolutely (3)</b> 1883:7;1885:16; 2004:23</p> <p><b>abstract (1)</b> 1973:16</p> <p><b>accept (2)</b> 1995:16;2014:24</p> <p><b>acceptable (2)</b> 1866:14;1913:11</p> <p><b>acceptance (3)</b> 1930:2;1940:2,2</p> <p><b>access (6)</b> 1924:22;1927:21; 1929:11;1950:14; 1963:6,10</p> <p><b>accommodate (1)</b> 1919:10</p> <p><b>accommodations (1)</b> 1959:14</p>

<p><b>amendment (1)</b> 1962:6</p> <p><b>Ameren (1)</b> 1957:23</p> <p><b>amount (6)</b> 1891:10;1944:8,9; 2003:16,18;2007:15</p> <p><b>amounts (1)</b> 2006:18</p> <p><b>analysis (3)</b> 1905:3;1969:6; 1974:12</p> <p><b>and/or (1)</b> 1933:14</p> <p><b>Andrews (1)</b> 1949:11</p> <p><b>angle (1)</b> 1927:13</p> <p><b>animal (3)</b> 1919:13;1920:19; 2014:7</p> <p><b>animals (4)</b> 1916:7;1917:18; 1918:19;1948:15</p> <p><b>announcement (1)</b> 1863:23</p> <p><b>annoyance (1)</b> 1893:17</p> <p><b>annoying (1)</b> 1868:9</p> <p><b>answered (2)</b> 1958:1,2</p> <p><b>anticipate (1)</b> 1915:16</p> <p><b>anti-solicitation (1)</b> 1999:24</p> <p><b>anti-wind (1)</b> 1876:19</p> <p><b>anymore (1)</b> 2008:13</p> <p><b>apart (1)</b> 1931:3</p> <p><b>apologies (1)</b> 1889:18</p> <p><b>apparatus (1)</b> 1973:9</p> <p><b>apparent (2)</b> 1905:15;1909:23</p> <p><b>Appeals (2)</b> 1863:8;1904:3</p> <p><b>appear (1)</b> 1904:8</p> <p><b>appearing (1)</b> 1902:7</p> <p><b>appears (5)</b> 1904:11,18;1905:4, 5,13</p> <p><b>applicant (2)</b> 1954:7;1955:3</p> <p><b>application (18)</b> 1901:24;1902:23; 1903:19;1904:16,19; 1905:2,22;1910:5;</p>	<p>1912:5;1932:23; 1933:1,17;1954:11,11; 1957:18;1959:7,23; 2007:16</p> <p><b>applications (1)</b> 1959:6</p> <p><b>apply (1)</b> 2013:1</p> <p><b>appreciable (1)</b> 1902:4</p> <p><b>appreciate (6)</b> 1883:14;1905:17; 1910:16;1913:10; 1927:5;1947:20</p> <p><b>approach (2)</b> 1914:13;1927:9</p> <p><b>approached (1)</b> 1938:13</p> <p><b>appropriate (1)</b> 1902:9</p> <p><b>approved (2)</b> 1940:11;2013:19</p> <p><b>approving (1)</b> 1929:17</p> <p><b>approximately (2)</b> 1892:5;1971:6</p> <p><b>April (1)</b> 1928:21</p> <p><b>apt (1)</b> 1909:11</p> <p><b>area (31)</b> 1866:23;1867:4,9; 1869:14;1895:24; 1896:2;1903:14; 1905:10;1908:24; 1910:12,13;1917:17; 1919:1;1932:15,18; 1933:22;1935:3,18,23; 1936:6,22,24;1937:4, 15;1941:6;1970:2; 1971:15;1977:17; 1979:8;2008:21,21</p> <p><b>areas (11)</b> 1904:20;1908:20; 1916:6;1932:21; 1945:24;1959:24; 1969:12,12;1970:3; 1974:23;1977:4</p> <p><b>argue (1)</b> 1993:18</p> <p><b>arguing (1)</b> 2008:1</p> <p><b>argument (1)</b> 1933:24</p> <p><b>arise (1)</b> 1939:1</p> <p><b>arms (1)</b> 1898:12</p> <p><b>around (24)</b> 1868:11;1881:17; 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1947:5</p> <p><b>disclaimer (3)</b> 1972:16;1973:12,15</p> <p><b>disclosed (1)</b> 1973:9</p> <p><b>disclosing (1)</b> 1904:12</p> <p><b>discombobulated (1)</b> 2012:9</p> <p><b>discount (1)</b> 2003:6</p> <p><b>discuss (1)</b> 1888:11</p> <p><b>discussing (1)</b> 1964:21</p> <p><b>discussion (2)</b> 1966:13,14</p> <p><b>dismiss (1)</b> 1974:12</p> <p><b>displacement (1)</b> 1910:23</p> <p><b>distance (6)</b> 1867:20;1897:17; 1902:5;1904:14; 1905:20;2010:17</p> <p><b>distances (1)</b> 1892:10</p> <p><b>distinct (1)</b> 1900:22</p> <p><b>distribution (1)</b> 2005:23</p> <p><b>District (5)</b> 1928:6;1944:14; 1948:23,24;1949:8</p> <p><b>districts (5)</b> 1871:11;1907:1; 1911:6;1951:8; 2011:22</p> <p><b>disturbance (3)</b> 1892:24;1904:5; 1909:9</p> <p><b>disturbing (1)</b> 1890:17</p> <p><b>diversified (1)</b> 1915:20</p> <p><b>document (6)</b> 1881:20,22;1885:13; 1894:15;1972:14; 1973:2</p> <p><b>documentation (1)</b> 2007:7</p> <p><b>documented (1)</b> 1904:1</p> <p><b>dollars (4)</b> 1903:13;1908:5; 1940:18;1953:5</p> <p><b>Donald (1)</b> 1951:15</p> <p><b>done (7)</b> 1893:5;1903:13; 1927:20;1947:8;</p>	<p>1956:23;1972:1; 2001:23</p> <p><b>door (2)</b> 1891:11;1986:9</p> <p><b>doors (1)</b> 1868:17</p> <p><b>dot (1)</b> 1927:6</p> <p><b>dots (2)</b> 1966:21;1975:11</p> <p><b>down (31)</b> 1896:14;1913:9; 1924:3;1932:19; 1935:2,9,20;1936:10, 12,17;1937:13; 1938:23;1955:17; 1956:2;1961:2,11; 1964:18;1974:11; 1976:5,15;1977:23; 1978:6;1983:14; 1985:24;1993:4; 1994:14;1999:7,10,20; 2009:5;2011:2</p> <p><b>downs (1)</b> 1890:16</p> <p><b>downwind (3)</b> 1896:23;1903:1; 1918:3</p> <p><b>Dr (5)</b> 1892:20;1971:12; 1978:5;2007:5,17</p> <p><b>draft (2)</b> 1865:5;1961:11</p> <p><b>drain (3)</b> 1944:13;1945:15; 1947:17</p> <p><b>drainage (16)</b> 1926:24;1927:4,18; 1928:6;1929:2,16,19; 1944:14,24;1945:20, 21;1946:7,8;1948:23, 24;1949:7</p> <p><b>drains (2)</b> 1928:6;1944:24</p> <p><b>draw (1)</b> 1930:13</p> <p><b>drawn (1)</b> 1973:24</p> <p><b>drive (4)</b> 1866:21;1898:2; 1940:5;1984:24</p> <p><b>driven (1)</b> 1909:10</p> <p><b>driving (6)</b> 1896:14,17,19; 1898:22;1906:20; 1985:7</p> <p><b>drove (2)</b> 1896:3,9</p> <p><b>drowns (1)</b> 1869:5</p> <p><b>dry (1)</b> 2006:18</p>
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<p><b>due (6)</b> 1881:7;1899:19; 1903:16;1905:23; 1909:5;1929:4</p> <p><b>duly (5)</b> 1865:22;1895:2; 1907:13;1914:3; 1957:6</p> <p><b>during (9)</b> 1899:5,17;1904:14, 15;1932:5;1944:21; 1965:4;1999:9; 2013:20</p> <p><b>duty (1)</b> 1888:14</p> <p><b>Dwight (2)</b> 1976:3,4</p>	<p>2005:7</p> <p><b>easy (1)</b> 1900:17</p> <p><b>economic (6)</b> 1920:11,11;1921:4, 12;1943:17,17</p> <p><b>economical (1)</b> 1966:18</p> <p><b>economy (1)</b> 1920:15</p> <p><b>edges (1)</b> 1977:10</p> <p><b>Edison (3)</b> 1957:23;1963:24; 1964:8</p> <p><b>editor (1)</b> 1942:19</p> <p><b>editorial (1)</b> 1926:5</p> <p><b>educate (3)</b> 1883:5,10;1886:17</p> <p><b>effect (11)</b> 1891:7;1899:19; 1908:12;1943:7; 1945:14,16;1946:18; 1963:7;1980:3;1984:8; 2005:5</p> <p><b>effective (1)</b> 1871:8</p> <p><b>effectively (1)</b> 1947:17</p> <p><b>effects (21)</b> 1897:18;1899:18,24; 1900:16;1905:22; 1908:21,23;1909:16; 1924:17,20;1929:22; 1937:16;1939:17,19, 19,19;1943:5;1946:8; 1959:14;1995:13,22</p> <p><b>effort (3)</b> 1876:19;1885:7; 1908:6</p> <p><b>eight (10)</b> 1916:8,12;1917:12; 1918:13;1973:24; 1974:2;1978:10; 1983:12;2002:15; 2011:6</p> <p><b>either (5)</b> 1900:13;1943:14; 1974:15;1982:17; 2010:13</p> <p><b>elderly (1)</b> 1909:15</p> <p><b>elect (1)</b> 1887:17</p> <p><b>elected (1)</b> 1964:5</p> <p><b>electrical (4)</b> 1924:18;1940:23; 1954:23;1995:12</p> <p><b>electromagnetic (2)</b> 1924:16;1995:10</p>	<p><b>elevation (1)</b> 1896:17</p> <p><b>else (13)</b> 1874:14;1886:22; 1890:4,21;1892:17; 1894:6;1898:14; 1912:9;1956:20; 1967:11;1998:19,21; 1999:4</p> <p><b>eminent (1)</b> 1915:18</p> <p><b>emission (1)</b> 1903:22</p> <p><b>emissions (1)</b> 1902:22</p> <p><b>employees (1)</b> 1973:5</p> <p><b>employment (1)</b> 2010:22</p> <p><b>encompasses (1)</b> 1988:6</p> <p><b>encompassing (1)</b> 1905:10</p> <p><b>encouragement (2)</b> 1896:5;1921:22</p> <p><b>encroached (3)</b> 2008:8,13;2010:2</p> <p><b>encumber (2)</b> 1925:24;1996:16</p> <p><b>end (6)</b> 1875:24;1876:12; 1881:10;1902:17; 2000:17;2004:16</p> <p><b>endangered (3)</b> 2004:23;2005:2; 2014:8</p> <p><b>ending (1)</b> 2011:1</p> <p><b>Energize (1)</b> 1881:6</p> <p><b>Energy (31)</b> 1863:9,10;1866:19; 1867:10;1878:12; 1880:4,11;1884:9,21; 1893:2;1901:14; 1921:16;1959:3; 1961:8;1963:19,20; 1964:3,9,24;1965:1; 1966:3,4;1993:7,7; 1994:9,11,19;1995:7; 1998:7;1999:17; 2006:5</p> <p><b>enfolded[sic] (1)</b> 1876:14</p> <p><b>engineered (3)</b> 1928:13;1929:9; 1949:12</p> <p><b>engineering (4)</b> 1947:7;1949:11,11; 1966:19</p> <p><b>engulfed (1)</b> 2010:12</p> <p><b>enjoy (1)</b> 1908:7</p>	<p><b>enjoyed (1)</b> 1893:7</p> <p><b>enjoyment (3)</b> 1903:21,23;1905:8</p> <p><b>enough (8)</b> 1868:3;1869:4; 1899:3;1910:6;1925:4; 1938:23;1950:2; 2005:17</p> <p><b>enter (1)</b> 1910:9</p> <p><b>enthused (1)</b> 1894:4</p> <p><b>entirely (1)</b> 1900:16</p> <p><b>entities (2)</b> 1950:21;1955:17</p> <p><b>entity (2)</b> 1936:8;1957:22</p> <p><b>entries (1)</b> 2006:14</p> <p><b>environment (1)</b> 2005:22</p> <p><b>environmental (2)</b> 1905:14;1964:14</p> <p><b>EON (1)</b> 1871:22</p> <p><b>equal (1)</b> 1986:14</p> <p><b>equates (2)</b> 1982:16;1988:3</p> <p><b>equilibrium (1)</b> 1968:19</p> <p><b>equipment (3)</b> 1920:20,22;1926:20</p> <p><b>error (1)</b> 1902:3</p> <p><b>especially (2)</b> 1901:20;1955:16</p> <p><b>establish (4)</b> 1932:17;1939:11; 1940:6;2012:19</p> <p><b>established (5)</b> 1870:6,12;1888:17; 1922:23;1940:16</p> <p><b>estate (15)</b> 1926:19;1971:23; 1975:2;1991:9,10,11, 11,12,14,15,16;1992:7, 8;1993:2;1996:6</p> <p><b>estates (1)</b> 1992:7</p> <p><b>et (1)</b> 1898:12</p> <p><b>eustachian (1)</b> 1897:5</p> <p><b>evacuation (1)</b> 1930:24</p> <p><b>evaluate (1)</b> 1925:8</p> <p><b>evaluated (1)</b> 1988:19</p>	<p><b>evaluating (2)</b> 1923:14;1934:5</p> <p><b>even (22)</b> 1880:10;1897:21; 1918:22;1927:9; 1928:4;1929:12; 1934:8,10;1939:7; 1960:12,16,22; 1967:10;1971:12; 1981:8;1984:17; 1990:19;1994:2,3; 1997:19;1998:3; 2007:22</p> <p><b>evening (8)</b> 1863:4;1864:10,10, 17;1894:9;1899:2,5; 1957:2</p> <p><b>everybody (11)</b> 1864:9,15;1874:14; 1912:19;1913:6,7; 1936:1,3;1941:21; 1942:8;2014:22</p> <p><b>everyone (1)</b> 1992:15</p> <p><b>everyone's (1)</b> 1863:23</p> <p><b>everywhere (1)</b> 2010:3</p> <p><b>evidence (9)</b> 1873:14;1882:2; 1883:18,24;1885:22; 1886:5;1893:14; 1902:24;1943:7</p> <p><b>exact (6)</b> 1875:19;1881:24; 1892:10;1903:14; 1960:8,9</p> <p><b>exactly (6)</b> 1902:2;1928:15; 1960:19;1966:22; 1972:19,20</p> <p><b>examine (1)</b> 1972:7</p> <p><b>examining (1)</b> 1989:21</p> <p><b>example (2)</b> 1874:3;1925:9</p> <p><b>exceed (5)</b> 1904:4,6,8;1905:6; 1925:11</p> <p><b>exceeding (1)</b> 1901:17</p> <p><b>Except (1)</b> 1884:3</p> <p><b>exceptionally (1)</b> 1868:1</p> <p><b>excerpt (1)</b> 1879:22</p> <p><b>excited (3)</b> 1866:19;1867:11; 1896:13</p> <p><b>exciting (2)</b> 1867:5;1942:4</p>
<b>E</b>				
<p><b>ear (1)</b> 1909:9</p> <p><b>earlier (7)</b> 1900:3;1915:24; 1947:2;1953:9; 1972:11;1990:17; 2004:9</p> <p><b>early (4)</b> 1873:10;1876:1,17; 1881:4</p> <p><b>ears (7)</b> 1896:3,16;1897:3; 1898:13;1900:22; 1906:19,21</p> <p><b>earshot (1)</b> 1898:6</p> <p><b>Earth (3)</b> 1892:11;1941:7; 1976:14</p> <p><b>easement (44)</b> 1923:5,17;1924:3,6, 11,13,16,21;1925:9,24; 1936:4;1938:8; 1989:24;1990:8,12; 1991:11;1992:7,7,8,11, 12,22,24;1993:12,17, 18;1994:6,6,8;1995:8, 9,18;1996:9,18,19,23, 24;1997:2,12,13; 1999:11,16;2000:21,23</p> <p><b>easements (8)</b> 1922:5;1925:5; 1933:14;1936:13,20; 1992:9;1996:14; 1997:23</p> <p><b>easement-to-easement (1)</b> 1925:2</p> <p><b>easier (1)</b> 1922:24</p> <p><b>East (4)</b> 1866:3;1895:6; 1907:17;1914:8</p> <p><b>eastern (1)</b></p>	<p><b>editorial (1)</b> 1926:5</p> <p><b>educate (3)</b> 1883:5,10;1886:17</p> <p><b>effect (11)</b> 1891:7;1899:19; 1908:12;1943:7; 1945:14,16;1946:18; 1963:7;1980:3;1984:8; 2005:5</p> <p><b>effective (1)</b> 1871:8</p> <p><b>effectively (1)</b> 1947:17</p> <p><b>effects (21)</b> 1897:18;1899:18,24; 1900:16;1905:22; 1908:21,23;1909:16; 1924:17,20;1929:22; 1937:16;1939:17,19, 19,19;1943:5;1946:8; 1959:14;1995:13,22</p> <p><b>effort (3)</b> 1876:19;1885:7; 1908:6</p> <p><b>eight (10)</b> 1916:8,12;1917:12; 1918:13;1973:24; 1974:2;1978:10; 1983:12;2002:15; 2011:6</p> <p><b>either (5)</b> 1900:13;1943:14; 1974:15;1982:17; 2010:13</p> <p><b>elderly (1)</b> 1909:15</p> <p><b>elect (1)</b> 1887:17</p> <p><b>elected (1)</b> 1964:5</p> <p><b>electrical (4)</b> 1924:18;1940:23; 1954:23;1995:12</p> <p><b>electromagnetic (2)</b> 1924:16;1995:10</p>	<p><b>elevation (1)</b> 1896:17</p> <p><b>else (13)</b> 1874:14;1886:22; 1890:4,21;1892:17; 1894:6;1898:14; 1912:9;1956:20; 1967:11;1998:19,21; 1999:4</p> <p><b>eminent (1)</b> 1915:18</p> <p><b>emission (1)</b> 1903:22</p> <p><b>emissions (1)</b> 1902:22</p> <p><b>employees (1)</b> 1973:5</p> <p><b>employment (1)</b> 2010:22</p> <p><b>encompasses (1)</b> 1988:6</p> <p><b>encompassing (1)</b> 1905:10</p> <p><b>encouragement (2)</b> 1896:5;1921:22</p> <p><b>encroached (3)</b> 2008:8,13;2010:2</p> <p><b>encumber (2)</b> 1925:24;1996:16</p> <p><b>end (6)</b> 1875:24;1876:12; 1881:10;1902:17; 2000:17;2004:16</p> <p><b>endangered (3)</b> 2004:23;2005:2; 2014:8</p> <p><b>ending (1)</b> 2011:1</p> <p><b>Energize (1)</b> 1881:6</p> <p><b>Energy (31)</b> 1863:9,10;1866:19; 1867:10;1878:12; 1880:4,11;1884:9,21; 1893:2;1901:14; 1921:16;1959:3; 1961:8;1963:19,20; 1964:3,9,24;1965:1; 1966:3,4;1993:7,7; 1994:9,11,19;1995:7; 1998:7;1999:17; 2006:5</p> <p><b>enfolded[sic] (1)</b> 1876:14</p> <p><b>engineered (3)</b> 1928:13;1929:9; 1949:12</p> <p><b>engineering (4)</b> 1947:7;1949:11,11; 1966:19</p> <p><b>engulfed (1)</b> 2010:12</p> <p><b>enjoy (1)</b> 1908:7</p>	<p><b>enjoyed (1)</b> 1893:7</p> <p><b>enjoyment (3)</b> 1903:21,23;1905:8</p> <p><b>enough (8)</b> 1868:3;1869:4; 1899:3;1910:6;1925:4; 1938:23;1950:2; 2005:17</p> <p><b>enter (1)</b> 1910:9</p> <p><b>enthused (1)</b> 1894:4</p> <p><b>entirely (1)</b> 1900:16</p> <p><b>entities (2)</b> 1950:21;1955:17</p> <p><b>entity (2)</b> 1936:8;1957:22</p> <p><b>entries (1)</b> 2006:14</p> <p><b>environment (1)</b> 2005:22</p> <p><b>environmental (2)</b> 1905:14;1964:14</p> <p><b>EON (1)</b> 1871:22</p> <p><b>equal (1)</b> 1986:14</p> <p><b>equates (2)</b> 1982:16;1988:3</p> <p><b>equilibrium (1)</b> 1968:19</p> <p><b>equipment (3)</b> 1920:20,22;1926:20</p> <p><b>error (1)</b> 1902:3</p> <p><b>especially (2)</b> 1901:20;1955:16</p> <p><b>establish (4)</b> 1932:17;1939:11; 1940:6;2012:19</p> <p><b>established (5)</b> 1870:6,12;1888:17; 1922:23;1940:16</p> <p><b>estate (15)</b> 1926:19;1971:23; 1975:2;1991:9,10,11, 11,12,14,15,16;1992:7, 8;1993:2;1996:6</p> <p><b>estates (1)</b> 1992:7</p> <p><b>et (1)</b> 1898:12</p> <p><b>eustachian (1)</b> 1897:5</p> <p><b>evacuation (1)</b> 1930:24</p> <p><b>evaluate (1)</b> 1925:8</p> <p><b>evaluated (1)</b> 1988:19</p>	<p><b>evaluating (2)</b> 1923:14;1934:5</p> <p><b>even (22)</b> 1880:10;1897:21; 1918:22;1927:9; 1928:4;1929:12; 1934:8,10;1939:7; 1960:12,16,22; 1967:10;1971:12; 1981:8;1984:17; 1990:19;1994:2,3; 1997:19;1998:3; 2007:22</p> <p><b>evening (8)</b> 1863:4;1864:10,10, 17;1894:9;1899:2,5; 1957:2</p> <p><b>everybody (11)</b> 1864:9,15;1874:14; 1912:19;1913:6,7; 1936:1,3;1941:21; 1942:8;2014:22</p> <p><b>everyone (1)</b> 1992:15</p> <p><b>everyone's (1)</b> 1863:23</p> <p><b>everywhere (1)</b> 2010:3</p> <p><b>evidence (9)</b> 1873:14;1882:2; 1883:18,24;1885:22; 1886:5;1893:14; 1902:24;1943:7</p> <p><b>exact (6)</b> 1875:19;1881:24; 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<p><b>excluded (3)</b> 1933:19;1962:24; 1963:1</p> <p><b>exclusive (2)</b> 1992:24;1994:11</p> <p><b>exclusively (1)</b> 1994:8</p> <p><b>excuse (13)</b> 1875:24;1942:18; 1944:13;1951:18; 1961:13;1968:1; 1978:22,23;1987:6; 1988:6;2002:8;2005:6; 2009:2</p> <p><b>executed (3)</b> 1934:19,22;1950:24</p> <p><b>Exhibit (9)</b> 1879:21;1880:22; 1894:11,14;1942:18; 1969:6;1972:7; 1989:21,23</p> <p><b>exhibits (2)</b> 1969:5;2005:4</p> <p><b>exist (1)</b> 1974:15</p> <p><b>existed (1)</b> 1981:2</p> <p><b>existing (6)</b> 1903:9;1919:10; 1925:11,16;1928:20; 1973:21</p> <p><b>exists (1)</b> 1984:15</p> <p><b>expand (4)</b> 1919:8,9,13,21</p> <p><b>expanding (1)</b> 1919:24</p> <p><b>expansion (2)</b> 1925:17;1940:13</p> <p><b>expect (6)</b> 1992:19,22;1994:7, 13,18,24</p> <p><b>expectation (3)</b> 1916:15;1919:23; 1959:17</p> <p><b>expected (3)</b> 1897:9;1905:11; 2006:18</p> <p><b>expecting (2)</b> 1896:4,21</p> <p><b>expenses (1)</b> 1921:1</p> <p><b>experience (20)</b> 1868:21;1870:2; 1873:5,18;1874:15,18, 19,20;1877:7;1889:6, 21;1892:4;1893:9; 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1887:10,11;1888:11, 13,19;1932:6;1966:12; 2014:22;2015:4</p> <p><b>meetings (4)</b> 1864:6;1888:15; 1914:16;1932:5</p> <p><b>megawatt (3)</b> 1975:18;2002:15; 2003:5</p> <p><b>member (2)</b> 1896:5;1948:23</p> <p><b>members (9)</b> 1870:21;1874:23; 1906:2;1910:18; 1911:4;1947:22; 1966:14;2011:20; 2015:10</p> <p><b>mentally (1)</b> 1901:10</p> <p><b>mention (2)</b> 1893:6;1909:14</p> <p><b>mentioned (12)</b> 1873:4;1880:10; 1881:16,22;1884:7; 1889:23;1890:1; 1953:9;1961:16,23; 1990:19,20</p> <p><b>merchandise (1)</b> 2000:7</p> <p><b>merchant (2)</b> 2000:11,15</p> <p><b>mere (1)</b> 1898:20</p> <p><b>mess (1)</b> 1977:8</p> <p><b>met (1)</b> 1999:24</p> <p><b>meter (2)</b> 1931:6;1979:18</p> <p><b>meters (1)</b> 1979:23</p> <p><b>methane (1)</b> 1999:19</p> <p><b>method (2)</b> 1905:19;1967:13</p>	<p><b>Michael (4)</b> 1863:11;1965:7,18, 23</p> <p><b>Microphone (1)</b> 1951:17</p> <p><b>middle (4)</b> 1868:3,17;1913:22; 1923:6</p> <p><b>might (15)</b> 1912:19;1921:9; 1922:13,22;1926:20; 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			<p><b>UCLC (3)</b>                  1865:13;1942:18;                  2015:1  <b>ultimately (2)</b>                  1927:23;1928:2  <b>ultralights (1)</b>                  2005:9  <b>unable (1)</b>                  1943:2  <b>unanimously (1)</b>                  1921:18  <b>uncomfortable (2)</b>                  1895:18;1897:24  <b>under (17)</b>                  1895:16;1900:9;                  1903:21;1904:12;                  1955:19;1965:2;                  1968:16,18;1993:9,9,                  11;1995:3,9;1997:17;</p>	

<p>1902:3  <b>ups (1)</b>                  1890:16  <b>upset (4)</b>                  1891:15;1900:24;                  2004:18,19  <b>use (17)</b>                  1898:16;1919:8,22;                  1924:22;1925:6;                  1926:18;1929:12;                  1939:12,12;1970:16;                  1973:10;1975:15;                  1979:20;1994:11;                  1996:11;1997:13;                  2006:7  <b>used (15)</b>                  1869:13,13;1870:2;                  1873:5;1874:18;                  1877:4;1924:7,11;                  1933:6,21;1934:10;                  1975:23;1976:1;                  1989:14,15  <b>useful (1)</b>                  1904:17  <b>usefulness (1)</b>                  1973:8  <b>uses (1)</b>                  2014:7  <b>USGS (2)</b>                  1975:8;2012:17  <b>using (8)</b>                  1930:17;1969:22;                  1973:12;1979:12;                  1980:1,1,2;1992:14  <b>usually (2)</b>                  1868:13;2014:2  <b>utility (2)</b>                  1958:2;2002:12  <b>utilize (2)</b>                  1919:17,22</p>	<p>2000:3  <b>verbiage (1)</b>                  1960:6  <b>versus (5)</b>                  1890:7;1932:10,22;                  1934:3;1954:22  <b>vertical (1)</b>                  1891:11  <b>veterinarian (2)</b>                  1892:21;1920:19  <b>vibration (3)</b>                  1924:18;1995:11,21  <b>vice-president (1)</b>                  1964:11  <b>vicinity (1)</b>                  1904:24  <b>victims (1)</b>                  1901:10  <b>video (7)</b>                  2004:14;2006:23;                  2011:6,11,13,14;                  2014:20  <b>view (6)</b>                  1924:17;1971:5;                  1972:10;1975:16,17;                  1995:11  <b>viewscape (1)</b>                  1939:20  <b>virtually (1)</b>                  1979:5  <b>visit (2)</b>                  1896:6;1940:21  <b>visited (6)</b>                  1895:23,24;1899:8;                  1908:15,19;1941:1  <b>visual (6)</b>                  1924:17;1958:20,20;                  1970:17,22;1995:10                  1893:18  <b>Vitzthum (3)</b>                  1863:13,14;2015:6  <b>vocal (1)</b>                  1872:18  <b>VOICE (5)</b>                  1942:1,2;1952:18;                  2007:19;2014:16  <b>VOICES (1)</b>                  2001:24  <b>vote (3)</b>                  1939:10,12;1952:6  <b>voted (2)</b>                  1921:18;1938:22  <b>voting (2)</b>                  1910:19;1937:22  <b>vulnerable (1)</b>                  1918:14</p>	<p>1868:14;1891:23,24;                  1893:12;1924:18;                  1995:11  <b>walked (1)</b>                  1868:2  <b>Walton (3)</b>                  1864:2,6;2014:23  <b>wants (4)</b>                  1902:14;1931:10;                  2002:15;2007:12  <b>war (1)</b>                  1869:13  <b>wares (1)</b>                  2000:6  <b>warranty (1)</b>                  1973:6  <b>Warren (1)</b>                  1915:14  <b>Washington (4)</b>                  1977:20;1979:22;                  1985:20;1989:10  <b>waste (5)</b>                  1919:12;1959:7,11,                  14,15  <b>Watch (34)</b>                  1874:4,8,9;1876:18,                  22;1877:3,9,17;                  1878:10;1879:5,11,13,                  18;1880:10,14;1881:3,                  6;1882:8;1883:2,18,19,                  22,24;1884:1,5,7,19,                  23;1885:6;1894:15;                  2004:14;2006:23;                  2010:22;2011:7  <b>watched (1)</b>                  1867:12  <b>watching (2)</b>                  1867:5;2015:4  <b>water (2)</b>                  1929:7;1949:16  <b>Watseka (3)</b>                  1878:17;1880:7;                  1881:5  <b>Waverly (5)</b>                  1984:10,11,13,14,19  <b>waves (1)</b>                  1909:5  <b>way (29)</b>                  1863:3;1877:2;                  1881:10;1906:19;                  1921:10;1923:6;                  1925:20,21;1934:4;                  1935:9;1938:6;1939:8,                  11;1942:5;1943:14,24;                  1944:3,7;1945:8;                  1959:9;1961:21;                  1967:2;1988:24;                  1995:20;2005:3,11;                  2011:1,2;2013:22  <b>ways (3)</b>                  1883:5;1920:6;                  1953:11  <b>weather (3)</b></p>	<p>1948:9,19,20  <b>Weatherford (3)</b>                  1982:19,23;1983:4  <b>website (4)</b>                  1881:3;1918:6;                  1975:8;2007:14  <b>WECS (2)</b>                  1961:19;1991:1  <b>Wednesday (2)</b>                  1864:3,5  <b>week (5)</b>                  1864:2,4;1885:10;                  1901:13;1920:20  <b>weeks (5)</b>                  1914:13;1916:12;                  1917:12;1918:13;                  1932:14  <b>weight (1)</b>                  1916:15  <b>welcome (2)</b>                  1864:9;1942:4  <b>welcomed (1)</b>                  1910:21  <b>welfare (2)</b>                  1904:23;1959:14  <b>weren't (2)</b>                  1957:21;1978:24  <b>West (1)</b>                  1957:10  <b>wetlands (2)</b>                  2006:18,21  <b>what's (20)</b>                  1879:20;1945:14,16;                  1968:22;1971:9,24;                  1972:20;1974:8;                  1975:3,5;1982:20;                  1987:19;1992:13,16;                  1999:7,13;2002:17;                  2007:2,20;2012:20  <b>where's (1)</b>                  1949:17  <b>wherever (1)</b>                  1937:9  <b>whichever (2)</b>                  1876:13,16  <b>white (1)</b>                  1972:17  <b>whole (10)</b>                  1893:6;1932:15;                  1939:20;1955:18;                  1965:11;1976:7;                  1996:23;1997:13;                  2008:21,21  <b>whooping (5)</b>                  2004:12;2005:21,23;                  2006:6,20  <b>who's (1)</b>                  1922:17  <b>widespread (1)</b>                  1974:16  <b>wife (10)</b>                  1867:24;1868:5,23;                  1872:11;1890:8;</p>	<p>1891:7,14;1893:19;                  1907:24;1908:15  <b>willing (2)</b>                  1901:11;1940:20  <b>willingness (1)</b>                  1910:17  <b>Wind (181)</b>                  1863:10;1866:17,19,                  20,24;1867:4,8;1868:4,                  7;1869:5,8,14,21;                  1871:18;1872:19;                  1873:11;1874:4,7,9;                  1875:13;1876:18,22;                  1877:3,9,17;1878:10,                  12,14,22;1879:5,11,13,                  18;1880:4,6,10,11,13;                  1881:3,6,7;1882:8;                  1883:2,18,19,22,23;                  1884:1,5,7,8,19,21,23;                  1885:6;1886:14;                  1888:8;1893:2;                  1894:14;1895:17;                  1896:6,10,12;1898:20;                  1899:9,11,12;1901:8,                  14,21;1903:9;1904:5,9,                  13;1905:5;1908:11,16;                  1909:21;1910:2,20;                  1911:23;1915:4;                  1917:16;1918:4,5;                  1921:16;1924:20;                  1925:12;1940:17;                  1941:8;1952:7,17;                  1953:6;1957:17,19;                  1959:2,17,22;1960:12,                  14,16;1965:1;1966:3,4,                  24;1967:1;1969:1,6,7,                  21;1970:6,13,17;                  1971:15;1972:8;                  1973:13,21;1974:7;                  1975:9,12,14;1976:4,6,                  6,15;1978:16;1979:12;                  1983:13,14;1984:6;                  1985:3,4,6;1986:12;                  1987:8,20;1991:20;                  1993:1,1,7,7;1994:9,                  11,19,23,23;1995:7,13;                  1996:12;1998:4,8,10,                  11,12,13,15;2002:15; 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<p><b>windy (1)</b> 1908:20</p> <p><b>winged (1)</b> 2014:6</p> <p><b>winter (2)</b> 1876:10;1948:10</p> <p><b>wires (1)</b> 1992:2</p> <p><b>Wisconsin (6)</b> 1909:20;1985:1; 1986:9,17;2004:19; 2005:8</p> <p><b>within (42)</b> 1895:17;1896:14,24; 1903:1;1906:10,11; 1908:22;1909:13; 1910:6;1918:2;1920:4, 5,6,12;1925:10; 1931:22;1933:11,20; 1936:6;1946:22; 1969:15;1971:1,14; 1973:21;1974:9; 1977:12;1979:4,6,15; 1980:8;1981:11,22; 1983:5,9,22;1984:19, 19;1985:17;1986:23; 1988:22,22;2012:20</p> <p><b>without (6)</b> 1870:8;1886:11; 1979:20;1994:18; 1996:3;2005:1</p> <p><b>witness (9)</b> 1864:20;1877:5; 1879:2;1882:5; 1885:24;1894:20; 1912:14,17;1957:1</p> <p><b>witnesses (1)</b> 1912:13</p> <p><b>wondered (2)</b> 1899:7;1908:12</p> <p><b>wonderful (1)</b> 1895:16</p> <p><b>word (4)</b> 1898:16;1933:9; 1944:23;1954:20</p> <p><b>wording (1)</b> 1960:10</p> <p><b>work (10)</b> 1864:13,21;1919:8; 1928:22;1959:9; 1968:14;1972:14,18; 2002:8;2005:6</p> <p><b>worked (2)</b> 1910:14;1952:8</p> <p><b>working (3)</b> 1885:6;1945:6; 1946:9</p> <p><b>works (4)</b> 1913:15;1931:14; 1968:18;1987:21</p> <p><b>World (1)</b> 1904:4</p> <p><b>worried (2)</b></p>	<p>1937:16;1972:2</p> <p><b>Wow (1)</b> 1977:22</p> <p><b>write (5)</b> 1883:8;1963:17; 1967:5,10;1972:18</p> <p><b>writes (1)</b> 1972:17</p> <p><b>written (6)</b> 1925:2;1959:18,19; 1964:20;1967:10; 1995:15</p> <p><b>wrong (2)</b> 1889:16;1990:6</p> <p><b>wrote (1)</b> 1972:22</p> <p style="text-align: center;"><b>Y</b></p> <p><b>yard (2)</b> 1868:2;1965:24</p> <p><b>year (18)</b> 1875:19;1876:12,13, 16,16;1878:6,7,8; 1887:18;1890:11; 1911:18;1953:5; 1965:3;2003:20,22,24; 2004:1;2013:16</p> <p><b>years (23)</b> 1866:18,18,24; 1867:8,16,17;1868:6; 1870:1;1873:24; 1891:16;1903:7; 1908:1;1910:14; 1915:12;1922:2; 1923:16;1928:8; 1945:10;1947:18; 1963:2;1993:15; 1999:12;2005:12</p> <p><b>yellow (4)</b> 1954:8;1975:20; 1978:20,24</p> <p><b>yield (1)</b> 1928:2</p> <p><b>York (3)</b> 1988:12,18;2002:22</p> <p><b>young (4)</b> 1895:16;1898:9; 1907:24;1917:23</p> <p style="text-align: center;"><b>Z</b></p> <p><b>ZBA (7)</b> 1893:1;1901:22; 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<p><b>289 (4)</b> 1936:2,12;1950:4,6 <b>2nd (1)</b> 1921:17</p>	<p>1936:5 <b>480 (1)</b> 1909:19 <b>49 (1)</b> 1937:6</p>	<p>1973:19</p>		
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<p><b>3 (3)</b> 1971:6;1975:19,19 <b>30 (2)</b> 1928:1;1938:11 <b>31 (2)</b> 1937:5;1972:7 <b>31.8 (1)</b> 1935:10 <b>314 (2)</b> 1885:4;1894:14 <b>315 (2)</b> 1879:21;1894:11 <b>32 (1)</b> 1901:15 <b>333 (2)</b> 2007:15,18 <b>35 (4)</b> 1902:1;1903:18; 1969:6;1979:20 <b>3617 (1)</b> 1914:7 <b>36-inch (1)</b> 1928:23 <b>37 (1)</b> 1936:24 <b>39 (4)</b> 1936:5;1984:24; 1985:1,8 <b>3990 (1)</b> 1918:7</p>	<p><b>5 (4)</b> 1918:22;1969:15; 1971:1;2001:10 <b>50 (2)</b> 1925:11,14 <b>500 (2)</b> 1890:12;1933:20 <b>53.4 (1)</b> 1935:10 <b>540 (1)</b> 1897:21 <b>550 (1)</b> 1908:3 <b>56.617 (1)</b> 1962:4 <b>56-625 (1)</b> 1904:12 <b>582 (1)</b> 1977:21 <b>5th (1)</b> 1932:24</p>	<p><b>8 (3)</b> 1878:10;1894:13; 2015:1 <b>8.8 (1)</b> 1971:1 <b>8:12 (2)</b> 1941:20,22 <b>8:22 (1)</b> 1941:20 <b>8:24 (1)</b> 1941:22 <b>80 (2)</b> 1927:1;1942:18 <b>80/35 (1)</b> 1890:13 <b>800 (2)</b> 1909:13,17 <b>8th (2)</b> 1879:23;1884:4</p>		
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<p><b>4 (3)</b> 1938:15;1975:19; 2001:9 <b>4,010 (1)</b> 1938:12 <b>40 (2)</b> 1930:14;1986:7 <b>400-foot (1)</b> 1923:5 <b>42 (1)</b> 1999:12 <b>42-year (1)</b> 1923:5 <b>43 (1)</b> 1988:11 <b>4349 (1)</b> 1918:7 <b>45 (4)</b> 1896:1;1898:21; 1930:14;1937:1 <b>45,000 (1)</b> 1925:13 <b>452 (1)</b></p>	<p><b>6 (1)</b> 1938:17 <b>6:29 (1)</b> 1863:1 <b>6:30 (1)</b> 2014:23 <b>61 (1)</b> 1937:17 <b>62 (1)</b> 1937:14 <b>63 (1)</b> 1985:22 <b>66,480 (1)</b> 1935:11</p>	<p><b>9 (1)</b> 2008:18 <b>90 (1)</b> 1918:22 <b>900.101 (1)</b> 1903:22 <b>900.102 (1)</b> 1903:18 <b>901.102 (1)</b> 1902:2 <b>91 (2)</b> 1937:14;1979:23 <b>99 (5)</b> 1936:12;1950:5,6; 1955:23;1956:13 <b>9th (1)</b> 1863:6</p>		
<p><b>4</b></p>	<p><b>7</b></p>			
<p><b>4 (3)</b> 1938:15;1975:19; 2001:9 <b>4,010 (1)</b> 1938:12 <b>40 (2)</b> 1930:14;1986:7 <b>400-foot (1)</b> 1923:5 <b>42 (1)</b> 1999:12 <b>42-year (1)</b> 1923:5 <b>43 (1)</b> 1988:11 <b>4349 (1)</b> 1918:7 <b>45 (4)</b> 1896:1;1898:21; 1930:14;1937:1 <b>45,000 (1)</b> 1925:13 <b>452 (1)</b></p>	<p><b>7 (3)</b> 1865:13;1971:6; 1989:23 <b>7:30 (1)</b> 1913:21 <b>71 (1)</b> 1935:8 <b>741 (2)</b> 1935:22;1936:15 <b>75 (1)</b> 1964:24 <b>750 (1)</b> 1916:13 <b>7500 (1)</b></p>			