

In The Matter Of:
Application of NTE Connecticut, LLC

Continued Public Hearing
December 15, 2016

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1 STATE OF CONNECTICUT
2 CONNECTICUT SITING COUNCIL

3
4 Docket No. 470

5 Application of NTE Connecticut, LLC for a
6 Certificate of Environmental Compatibility and
7 Public Need for the Construction, Maintenance and
8 Operation of a 550-megawatt Dual-Fuel Combined
9 Cycle Electric Generating Facility and Associated
10 Electrical Interconnection Switchyard Located at
11 180 and 189 Lake Road, Killingly, Connecticut

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14 Continued Public Hearing held at the
15 Connecticut Siting Council, Ten Franklin Square,
16 New Britain, Connecticut, Thursday, December 15,
17 2016, beginning at 11:02 a.m.

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21 H e l d B e f o r e :

22 ROBERT STEIN, Chairman
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1 A p p e a r a n c e s :

2

3 Council Members:

4 SENATOR JAMES J. MURPHY, JR.,

5 Vice Chairman

6 PHILIP T. ASHTON

7 ROBERT HANNON

8 LARRY P. LEVESQUE, ESQ.

9 DANIEL P. LYNCH, JR.

10 ROBERT SILVESTRI

11 Council Staff:

12 MELANIE BACHMAN, ESQ.,

13 Executive Director and

14 Staff Attorney

15 MICHAEL PERRONE,

16 Siting Analyst

17

18 For NTE Connecticut, LLC:

19 ROBINSON & COLE LLP

20 280 Trumbull Street

21 Hartford, Connecticut 06103

22 BY: KENNETH C. BALDWIN, ESQ.

23 JAMES P. RAY, ESQ.

24

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1 A p p e a r a n c e s : (Cont'd.)

2

3 For Not Another Power Plant and the Wyndham
4 Land Trust:

5 REID AND RIEGE, P.C.

6 One Financial Center

7 Hartford, Connecticut 06103

8 BY: MARY MINTEL MILLER, ESQ.

9 JOHN BASHAW, ESQ.

10

11 Town of Killingly:

12 SEAN HENDRICKS, Town Manager

13 Town of Killingly

14 172 Main Street

15 Killingly, Connecticut 06239

16 TRC Solutions:

17 CARL N. STOPPER

18

19 For the Sierra Club, Connecticut Chapter:

20 SIERRA CLUB

21 50 F Street N.W.

22 Washington, D.C. 20001

23 BY: JOSHUA BERMAN, ESQ.

24

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1 A p p e a r a n c e s : (Cont'd.)

2

3 For the Connecticut Fund for the Environment:

4 CONNECTICUT FUND FOR THE ENVIRONMENT

5 900 Chapel Street

6 Upper Mezzanine

7 New Haven, Connecticut 06510

8 BY: JOHN LOONEY, ESQ.

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1 THE CHAIRMAN: Good morning, ladies and
2 gentlemen. I'd like to call to order this hearing
3 of the Connecticut Siting Council, today,
4 Thursday, December 15, 2016, at approximately
5 11:05 a.m. My name is Robin Stein. I'm Chairman
6 of the Siting Council.

7 This evidentiary session is a
8 continuation of the hearings held on October 20,
9 2016; also, November 3, 2016; and November 15,
10 2016. It is held pursuant to the provisions of
11 Title 16 of the Connecticut General Statutes and
12 of the Uniform Administrative Procedure Act upon
13 an application of NTE Connecticut, LLC, for a
14 Certificate of Environmental Compatibility and
15 Public Need for the construction, maintenance, and
16 operation of a 550-megawatt dual-fueled combined
17 cycle electric generating facility and associated
18 electrical interconnection switchyard located at
19 180 and 189 Lake Road in Killingly, Connecticut.
20 This application was received by the Council on
21 August 17, 2016.

22 A verbatim transcript will be made of
23 this hearing and deposited with the Town Clerk's
24 offices in Killingly, Pomfret, and Putnam Town
25 Halls for the convenience of the public.

1 We will proceed in accordance with the
2 prepared agenda, copies of which are available
3 here.

4 We have a request from NTE Connecticut,
5 LLC for supplemental administrative notice items,
6 dated December 8, 2016. Attorney Bachman may wish
7 to comment.

8 MS. BACHMAN: Thank you, Mr. Chairman.
9 Staff recommends that the request for supplemental
10 administrative notice items be granted.

11 THE CHAIRMAN: The Chair will entertain
12 a motion.

13 MR. ASHTON: Move approval.

14 SENATOR MURPHY: Second, Mr. Chairman.

15 THE CHAIRMAN: Any discussion?

16 (No response.)

17 THE CHAIRMAN: All those in favor
18 signify by saying aye.

19 THE COUNCIL: Aye.

20 THE CHAIRMAN: Opposed? Abstention?

21 (No response.)

22 THE CHAIRMAN: Motion carries.

23 I wish to call your attention to those
24 items shown on the hearing program marked as Roman
25 Numeral ID, Items 1 through 108.

1 Does the applicant, or any party, or
2 intervenor have any objection to the admission of
3 Item Numbers 26, 32, 87, and 88 that the Council
4 has administratively noticed?

5 (No response.)

6 THE CHAIRMAN: Hearing and seeing none,
7 they will be administratively noticed.

8 We will continue with the appearance of
9 the applicant, NTE Connecticut, LLC, and verify
10 the new exhibits marked as Roman Numeral II, Item
11 B, 21 through 27 on hearing program.

12 And Attorney Baldwin, would you please
13 verify the new exhibits you have filed in this
14 matter and have them verified by the appropriate
15 sworn witnesses?

16 MR. BALDWIN: Certainly, Mr. Chairman.
17 Good morning, Kenneth Baldwin with Robinson & Cole
18 on behalf of the applicant, NTE Connecticut. To
19 my left is my partner Jim Ray, who will be sitting
20 with us the rest of the way through this
21 proceeding.

22 We actually have the seven items listed
23 in the hearing program as NTE Exhibits 21 through
24 27. There were two other exhibits that were
25 delivered to the Council and all parties and

1 intervenors this morning that I would propose to
2 list as NTE 28, which is a letter from the
3 Connecticut Water Company, dated December 14,
4 2016, which we received last night. That actually
5 is the last of the responses to the Council's
6 request which appear in NTE 23, but is a
7 supplement to that exhibit. And then NTE, we'll
8 call it, Exhibit 29, that is a final environmental
9 justice summary report, which was submitted to Ms.
10 Edith Pestana at DEEP, and we received final
11 authorization to file that with the Siting Council
12 for acceptance from Ms. Pestana yesterday
13 afternoon. And we submitted that to the record
14 for your pleasure.

15 F R E D S E L L A R S,
16 G E O R G E L O G A N,
17 L Y N N G R E S O C K,
18 M A R K M I R A B I T O,
19 T I M E V E S,
20 M I C H A E L B R A D L E Y,
21 C H R I S R E G A,
22 N O R M T H I B E A U L T,
23 M A S O N S M I T H,
24 S C O T T H E S K E T H,
25 J A M E S W A L S H,

1 E T H A N P A T E R N O ,

2 K E V I N F O W L E R ,

3 called as witnesses, being previously duly
4 sworn, were examined and continued to testify
5 on their oaths as follows:

6 DIRECT EXAMINATION

7 MR. BALDWIN: So as it relates to those
8 exhibits, first with respect to NTE Item 21, which
9 relates to Mr. Logan's responses to some of the
10 questions asked at the first hearing by Dr.
11 Klemens; Mr. Logan, did you prepare or assist in
12 the preparation of the information contained in
13 NTE Exhibit 21?

14 THE WITNESS (Logan): Yes, I did.

15 MR. BALDWIN: Do you have any
16 corrections or modifications to offer to any of
17 that information?

18 THE WITNESS (Logan): I do not.

19 MR. BALDWIN: Is the information
20 contained in that exhibit true and accurate to the
21 best of your knowledge?

22 THE WITNESS (Logan): Yes, it is.

23 MR. BALDWIN: And do you adopt the
24 information in that exhibit as your testimony in
25 this proceeding?

1 THE WITNESS (Logan): I do.

2 MR. BALDWIN: Thank you.

3 As it relates to Exhibit NTE 22, Mr.
4 Rega, did you prepare or assist in the preparation
5 of the information contained in that exhibit?

6 THE WITNESS (Rega): Yes, I did.

7 MR. BALDWIN: And do you have any
8 corrections, modifications, or additions to offer
9 at this time?

10 THE WITNESS (Rega): No, I do not.

11 MR. BALDWIN: And is the information
12 contained in that exhibit true and accurate to the
13 best of your knowledge?

14 THE WITNESS (Rega): Yes, it is.

15 MR. BALDWIN: And do you adopt the
16 information in that exhibit as your testimony
17 today?

18 THE WITNESS (Rega): Yes, I do.

19 MR. BALDWIN: For exhibit marked NTE
20 23, I'd like to ask Mr. Rega, Mr. Thibeault, and
21 Mr. Paterno, did you prepare or assist in the
22 preparation of the information contained in NTE
23 Exhibit 23? Mr. Rega.

24 THE WITNESS (Rega): Yes, I did.

25 MR. BALDWIN: Mr. Thibeault.

1 THE WITNESS (Thibeault): Yes, I did.

2 MR. BALDWIN: Mr. Paterno.

3 THE WITNESS (Paterno): Yes, I did.

4 MR. BALDWIN: Do you have any
5 corrections, modifications, or additions to offer
6 to any of that information at this time? Mr.
7 Rega.

8 THE WITNESS (Rega): No, I do not.

9 MR. BALDWIN: Mr. Paterno.

10 THE WITNESS (Paterno): No, I do not.

11 MR. BALDWIN: Mr. Thibeault.

12 THE WITNESS (Thibeault): No.

13 MR. BALDWIN: Is the information
14 contained in that exhibit true and accurate to the
15 best of your information? Mr. Rega.

16 THE WITNESS (Rega): Yes, it is.

17 MR. BALDWIN: Mr. Thibeault.

18 THE WITNESS (Thibeault): Yes, it is.

19 MR. BALDWIN: Mr. Paterno.

20 THE WITNESS (Paterno): Yes, it is.

21 MR. BALDWIN: With respect to the
22 exhibits listed in the hearing program as 24 and
23 25, this is the redacted and the unredacted
24 versions of Ethan Paterno's rebuttal testimony
25 filed with the Council on December 8th -- we

1 understand that the unredacted version is the
2 subject of a protective order -- but did you
3 prepare or assist in the preparation of that
4 rebuttal testimony, Mr. Paterno?

5 THE WITNESS (Paterno): Yes, I did.

6 MR. BALDWIN: And do you have any
7 corrections or modifications to offer?

8 THE WITNESS (Paterno): No, I do not.

9 MR. BALDWIN: Is the information
10 contained in that testimony true and accurate to
11 the best of your knowledge?

12 THE WITNESS (Paterno): Yes, it is.

13 MR. BALDWIN: Thank you.

14 Mr. Bradley, NTE Exhibit 26 is your
15 rebuttal testimony, dated December 8, 2016. Did
16 you prepare or assist in the preparation of that
17 exhibit?

18 THE WITNESS (Bradley): Yes, I did.

19 MR. BALDWIN: Are there any
20 corrections, modifications, or additions to offer?

21 THE WITNESS (Bradley): No.

22 MR. BALDWIN: And is information
23 contained in that testimony true and accurate to
24 the best of your knowledge?

25 THE WITNESS (Bradley): Yes, it is.

1 MR. BALDWIN: Thank you.

2 With respect to NTE 27, this was a
3 supplemental response that NTE received from the
4 Tribal Historic Preservation Office in an effort
5 to supplement Interrogatory Number 59.

6 Ms. Gresock, did you receive that
7 information from the tribal office that has been
8 included in Exhibit 27?

9 THE WITNESS (Gresock): Yes, I did.

10 MR. BALDWIN: And can you testify today
11 as to what it states, if asked by the Council or
12 members of the parties and intervenors?

13 THE WITNESS (Gresock): Yes, I can.

14 MR. BALDWIN: I'm not sure I can do
15 much more than that as relates to that exhibit,
16 Mr. Chairman, since Ms. Gresock did not produce
17 it. But she did submit it and support it in this
18 application.

19 With respect to new NTE Exhibit 28,
20 again, this is a supplemental response to Exhibit
21 23, and a letter that we received from the
22 Connecticut Water Company. I'm not sure that
23 needs to be attested by any particular witness,
24 Mr. Chairman, but that information was received
25 last night. And to the extent that there are

1 questions related to what the Connecticut Water
2 Company stated in that letter, Mr. Mirabito and
3 Ms. Gresock can address those questions. But I
4 don't know that we need to verify that as anything
5 other than a letter that we received in response
6 to the Council's specific question. We can, if
7 you'd like, but I'll defer to the staff attorney.

8 THE CHAIRMAN: We'll just have to
9 accept it for what it's worth.

10 MR. BALDWIN: Thank you.

11 Lastly, with respect to NTE 29, this is
12 the final summary report as part of the
13 environmental justice process. Mr. Eves, did you
14 prepare or assist in the preparation of that
15 exhibit?

16 THE WITNESS (Eves): I did.

17 MR. BALDWIN: And do you have any
18 corrections, modifications or additions to offer
19 to that exhibit?

20 THE WITNESS (Eves): No.

21 MR. BALDWIN: And is the information
22 contained in that exhibit true and accurate to the
23 best of your knowledge?

24 THE WITNESS (Eves): Yes.

25 MR. BALDWIN: And do you adopt the

1 information in that as your testimony.

2 THE WITNESS (Eves): I do.

3 MR. BALDWIN: Mr. Chairman, I offer
4 them as full exhibits.

5 THE CHAIRMAN: Does any party or
6 intervenor object to the admission of the
7 applicant's new exhibits?

8 MR. BASHAW: Mr. Chairman, John Bashaw
9 for NAPP and the Wyndham Land Trust. We don't
10 object to the admission of these exhibits. We
11 just want to be clear that with respect to the
12 last two, 28 and 29, which were just received
13 today, because I understand they just received
14 them, that we'll have an opportunity, to the
15 extent that we finish our cross-examination today,
16 that we'll have an opportunity at the January
17 session to question on those particular exhibits.

18 THE CHAIRMAN: Yes. We all just got a
19 number of these exhibits. So the answer is yes.

20 MR. BASHAW: Thank you.

21 (Applicant's Exhibit II-B-21 through
22 II-B-29: Received in evidence - described in
23 index.)

24 THE CHAIRMAN: We'll now begin with the
25 cross-examination of the applicant by the Town of

1 Killingly, to be followed by the grouped parties
2 Not Another Power Plant, the Sierra Club, and the
3 Wyndham Land Trust. Please note that the open
4 portion of today's proceedings will conclude at 1
5 p.m.

6 CROSS-EXAMINATION

7 MR. HENDRICKS: Good morning,
8 Mr. Chairman, members of the Council. My name is
9 Sean Hendricks. I'm the town manager for the Town
10 of Killingly. With me today is Mr. Carl Stopper
11 of TRC Environmental. TRC Environmental is the
12 consultant that was retained by the town to advise
13 both the town council as well as specifically the
14 Inland Wetlands and Watercourses Commission and
15 the Planning and Zoning Commission generally for
16 the purposes of constructing the municipal orders
17 that were submitted as exhibits by the town.

18 My hope today is that I can handle most
19 of the questions, although I'm glad to have
20 Mr. Stopper here. A couple of my questions are a
21 little more on the technical side, so I'm going to
22 admit when I'm in the weeds. And, if need be, I
23 may defer to Mr. Stopper to either save me from
24 stepping into deeper water or perhaps direct
25 questions directly. I appreciate the opportunity

1 to be able to address the Council and then to
2 address NTE.

3 I think the document that I'm going to
4 primarily be referring to today is going to be the
5 appeal and responses of NTE to the municipal
6 regulate and restrict orders. I'm pretty much
7 going to start at the beginning, and we'll just
8 refer to specific questions and then your
9 response. During and after I may have a couple of
10 just sort of general overall questions regarding
11 progress in the particular areas that have been of
12 concern to the town.

13 So my first question comes from your
14 response to a document on page 3, the Inland
15 Wetlands and Watercourses Commission order -- and
16 it should be noted that the genesis of most of the
17 municipal and regulate orders come from another
18 document, which was filed by the town, and that's
19 the third-party document review and ultimately the
20 recommendations for the Connecticut Siting Council
21 conditions of which Mr. Stopper is the author.
22 And he and his staff compiled those
23 recommendations, which is another reason I'm glad
24 you're here.

25 So this particular condition that the

1 Inland Wetlands and Watercourses was looking for
2 regarded, obviously, stormwater drainage. And
3 there was a request by the Inland Wetlands
4 Watercourse Commission that there would be a
5 trench, a minimum of 3 feet wide by 5 feet deep,
6 that would be completely enclosed with filter
7 fabric and covered with a foot of topsoil that was
8 going to be between the two catch basins. In your
9 appeal, you appealed that one portion of the order
10 that called for the installation of this trench.

11 And so, I guess, the easy question is
12 or the simplest way to ask it is why? I think
13 there's -- we're going to get to a grading
14 question. But there is obviously some steep
15 grades in some of these areas. There's obviously
16 concern, concern about runoff, especially at peak
17 levels. So I think the inland wetlands folks were
18 going on their experiences that we want to make
19 sure, obviously, not just for the town but for the
20 safety of KEC employees, you know, that there is
21 going to be sufficient collection and ultimately
22 recharge to the aquifer -- of the water there. So
23 could you sort of expand upon your reason for
24 appealing this particular part of the order?

25 THE WITNESS (Thibeault): Sure. Norm

1 Thibeault. We did look at the recommendation, and
2 I think for the most part we did concur that the
3 protection of the wetlands and the recharge of the
4 wetlands was the ultimate goal for this project,
5 to make sure that we achieved the required wetland
6 recharge volume that was required or recommended
7 by the state water quality guidelines.

8 So taking a look at it by, first of
9 all, modifying the drainage system in its entirety
10 by adding two additional stormwater basins at the
11 head waters of the two wetland appendages,
12 combined with the larger stormwater basin, and
13 including a crushed stone feature within the
14 basins themselves; we're able to achieve a lot of
15 the storage necessary, the infiltration of volume
16 capacity that we're going for.

17 We did propose to install some trenches
18 in some areas and downgrading to the two smaller
19 basins. We also have a portion of the larger
20 basin where we've got some infiltration capacity.
21 And then the actual -- the level spreader, which
22 is the primary discharge point for the largest
23 retention detention basin as well, what we did
24 there was to actually create some recharge
25 capacity within that level spreader itself by

1 specifying a depth of stone within it.

2 With these items, and accounting for
3 these items only, we more than double the
4 requirement for the recharge volume that's
5 recommended by the stormwater guidelines and a
6 couple of things that we don't even account for.
7 Due to the fact that the amount of infiltration
8 within the soil is likely to be limited due to the
9 nature of the soils themselves, we did not account
10 for any infiltration throughout the site or any
11 storage of stormwater throughout the site. We've
12 got about six and a half acres of a crushed stone
13 surface that will be installed throughout portions
14 of the site. We believe that that crushed stone
15 surface is going to assist in adding additional
16 infiltration to the project. It will also assist
17 in storing the stormwater after storm events,
18 because the surfaces on which this crushed stone
19 is placed are typically less than two percent. So
20 we fully anticipate that there will be some
21 additional storage and infiltration in those
22 areas.

23 So for those reasons we have achieved
24 the groundwater recharge volume and exceeded it
25 quite substantially; and we didn't think a trench

1 along the entire length of the slope was
2 necessary. It would have resulted in disturbance
3 of approximately another third of an acre that we
4 didn't feel as though was necessary.

5 MR. HENDRICKS: So just to follow up on
6 that. So you feel as though in your modeling for
7 storage specifically, anyway, that the runoff
8 coefficient, I guess, that you used was high
9 enough or was conservative in the sense that
10 you're ultimately going to be able to -- that
11 without the trench that those two basins alone are
12 going to be able to attenuate flow at peak levels?
13 Obviously, I think that's the primary concern of
14 the Commission.

15 THE WITNESS (Thibeault): I think we're
16 talking two different things. I mean, as far as
17 attenuating peak flows, the drainage computations
18 demonstrate that the peak runoff rates are less
19 than or equal to what currently happens on the
20 site now. But as far as recharge volume, what
21 we've assumed -- what we've actually done is
22 provided mechanisms to store this recharge volume
23 so that even after the storm event is completed
24 there will be a mechanism to store that recharge
25 and allow it to infiltrate at the rate in which it

1 needs to recharge the wetland areas.

2 MR. HENDRICKS: Thank you. My next
3 question -- we're going to move to page 7 -- page
4 6 and 7, I guess. Sorry. This specific condition
5 regarded the setback of the buffer zones. And I
6 think the town appreciated NTE's willingness to
7 extend, where it could, that 25-foot buffer zone
8 to 75. We appreciated that. I think that there's
9 some worry about the grading, in particular,
10 there. I know the Commission had looked for --
11 what was the maximum -- 2 to 1 and 3 to 1. And
12 there was one area where I believe in your appeal
13 you wanted to go to a 1 to 1 slope, which is
14 obviously very, very steep and potentially
15 unstable.

16 And I think there's some worry about, I
17 think, in that particular location, because it's
18 steep, there's still the worry in that location
19 about the formation of a vernal pool, whether it's
20 an actual vernal pool, or a decoy or not. Could
21 this 1 to 1 slope, you know, grade in this
22 particular area lead to some sort of vernal pool
23 there? And I know it's not your plan, but what if
24 it does? Is there any way to go to a 2 to 1 or a
25 3 to 1 grade there?

1 THE WITNESS (Thibeault): Let me answer
2 that in two parts. I think I'll defer to Mr.
3 Logan regarding the vernal pool portion of it.
4 But with regard to the 1 to 1 slope, it's a
5 relatively small area that we've done that. And
6 the reason why we went to that 1 to 1 slope in
7 that area, previously we had a 16 to 18-foot
8 retaining wall in that area, and there was some
9 concern with construction and maintenance of that
10 wall and whether or not it could be constructed
11 without actually having activity within the
12 wetlands itself. And also there was concern about
13 the potential stability of the wall just due to
14 the types of soils that are in the area. There
15 are a lot of organic soils in that area. And just
16 by that virtue, having a wall that high, it could
17 have potentially created some maintenance issues
18 and some constructability issues.

19 What we did in that area was to
20 relocate some of the equipment and shift the road
21 a little further to the west. And in that one
22 area adjacent to the wetland X, which I certainly
23 don't want to diminish the functionality of the
24 quality of the wetlands, but I think, looking at
25 it in the big picture, it probably has the least

1 potential of providing any kind of habitat value
2 or anything of that nature.

3 So that's the one wetland which I
4 believe we are at one point within 26 feet of.
5 But having said that, we were as close as about 12
6 feet previously with the retaining wall. We've
7 moved it out to 26 feet. We've got the 1 to 1
8 slope stabilized with rock in that area, and we
9 just feel as though it's a much better solution
10 than having this large structure so close to the
11 wetlands that was shown previously --

12 MR. HENDRICKS: Can you just as a
13 follow-up -- obviously in that particular area of
14 the slope you're obviously using riprap to
15 stabilize that particular area. What's underneath
16 that? Like what's that particular slope, not just
17 on the surface, but what's that slope going to be
18 composed of? Do you have a more detailed --

19 THE WITNESS (Thibeault): It will be
20 composed of compacted structural fill. There will
21 be a fabric, a geotextile installed on top of
22 that, and then the rock will be placed on top of
23 the geotextile.

24 MR. HENDRICKS: I'm sorry. Did you
25 have more about my initial question? Sorry, I

1 didn't mean to interrupt.

2 THE WITNESS (Thibeault): I just want
3 to say in general we talked about -- I think there
4 was the discussion about trying to keep everything
5 75 feet away from the wetlands. And we really
6 tried to do that everywhere we could. In fact,
7 more than half of the slopes are 75 feet or
8 beyond, and then the remaining 50 percent of that,
9 an additional 75 percent of that half is greater
10 than 50 feet from the wetlands. So we've got a
11 very small percentage that actually falls within
12 this 25 to 50 feet, and it was only in the
13 specified areas where it was required to do so.

14 I think there was also a lot of
15 discussion about, well, why can't you just move
16 everything 75 feet away and pull it 75 feet in the
17 other direction. And it is kind of an iterative
18 process between protecting the wetlands and
19 dealing with the noise issues and the visibility
20 issues on the site. So the design tries to
21 balance all three of those concerns, and hopefully
22 come up with the best design that protects the
23 wetlands, assists in the abatement of noise and
24 screens the facility as much as we can from the
25 road.

1 MR. HENDRICKS: Thank you. My next
2 question, I think --

3 THE WITNESS (Gresock): Could you
4 clarify what the question or concern is relative
5 to the pond and the slopes? I'm not sure I
6 understand the question.

7 MR. HENDRICKS: Well -- and Carl can
8 correct me if I'm wrong -- I think there was some
9 discussion or worry about if -- just I think
10 because of the particular slope right there, that
11 there was the potential that a vernal pool,
12 whether it might be created; and if so --

13 MR. STOPPER: It actually had to do
14 with the sediment or the stormwater management
15 basin, the larger basin that's located in the
16 center at the rear of the grading. Our concern
17 was that the original design included a wet pool,
18 and that that would be an attractant for species
19 that would want to use it as a decoy pool, and
20 it's not really suitable as a habitat for
21 salamander and other concerned species that might
22 use it. And we had some dialogue back and forth
23 with the applicant concerning that. Our
24 recommendation was to completely eliminate the wet
25 pool portion completely.

1 THE WITNESS (Gresock): Okay. So not
2 to do with the slope, but to do with the basin
3 issue. Yes. And I know that there was redesign
4 consideration to that.

5 George, do you want to speak to that?

6 THE WITNESS (Logan): And I think
7 Mr. Thibeault can speak to this, too, or George
8 Logan, that as we heard the concerns from the
9 town, we did eliminate in that area the wet pool.
10 And so we actually turned it into an area which
11 will allow for additional infiltration in that
12 section. So at this point I don't think there
13 should be any concern about that.

14 MR. STOPPER: I agree.

15 MR. HENDRICKS: Mr. Hannon has a
16 follow-up question.

17 MR. HANNON: Thank you. I think this
18 goes to the question about bank stabilization,
19 things of that nature. Over the years when you
20 start seeing some relatively high embankments, 2
21 to 1 slope, 3 to 1 slope, can you please explain
22 to me why you're not proposing to use any reverse
23 slope benches on the site?

24 THE WITNESS (Thibeault): I believe
25 that we discussed this at the previous hearing.

1 And we're certainly amenable to including reverse
2 benches in the design. However, I think, as I
3 stated for the record, the stormwater quality
4 guidelines specify reverse benches or adequately
5 engineered slope protection, and we have specified
6 a very durable and efficient slope stabilization
7 fabric; a two to three-year fabric that will
8 stabilize the slope. That, combined with the fact
9 that there's really no run-on to these slopes.
10 The only water that actually hits these slopes is
11 what directly falls upon them. We feel as though
12 it's sufficient in what we've designed. But as
13 I've said, if there is -- if you feel very
14 strongly that we need to incorporate reverse
15 benches into that, it certainly can be done.

16 MR. HANNON: The premise with even
17 using the stabilization material is that the soils
18 that are being compressed on the site to create
19 those embankments are installed properly, and that
20 unfortunately doesn't always happen.

21 THE WITNESS (Thibeault): Right.

22 MR. HANNON: So because you are so
23 close to the wetlands, and should any of these
24 slopes blow out, it creates more of a problem. So
25 I'm just raising that as an issue. Because it may

1 be something that in the long run is better for
2 everybody as consideration.

3 THE WITNESS (Thibeault): Understood.

4 MR. HANNON: Thank you.

5 MR. HENDRICKS: Thank you. And I
6 appreciate the clarification. I'm going to
7 misspeak on occasion here. So all of you are a
8 lot smarter than I am, at least in this particular
9 area. So I appreciate your indulgence at my lack
10 of technical expertise.

11 My next question, I think, actually for
12 your notes I think will sort of -- it will be a
13 single question, I think, that will answer a few
14 of the conditions. The first one is inland
15 wetlands condition number 7 on page 13. Planning
16 and zoning utility's question numbers 1 on 2 on
17 page 18 and 19.

18 Generally speaking, all of those
19 conditions sort of involved the desire of the town
20 to make sure that there's no work going on on the
21 site while you're gaining permits for the various
22 utilities for the water improvements. And so
23 clearly the town is concerned about what kind of
24 work happens while the permitting process is going
25 on. And then what happens in the event that

1 certain permits aren't granted that somehow
2 endangers the project and now we end up with a
3 piece of land that has been substantially altered?

4 So can you sort of answer that question
5 in general in terms of a level of -- or what you
6 view as an appropriate level of work that you
7 could see accomplishing prior to permitting that
8 isn't going to necessarily -- bearing in mind the
9 worst case scenario in that your permits -- worst
10 case scenario for you in that the permits aren't
11 granted?

12 THE WITNESS (Mirabito): I'm happy to
13 tackle that one. And as you recognize, there's a
14 number of orders and recommendations that are
15 pretty similar here, and our response, our partial
16 appeal, was similar in all cases. So ultimately
17 the execution of a construction schedule requires
18 some flexibility in the timing and the sequencing
19 of the construction activities. We can certainly
20 work with the town, with Connecticut Water, with
21 Yankee Gas, in making sure that we had all the
22 required approvals and permits associated with
23 those various utility interconnects. But there
24 may be some certain unrelated construction
25 activities that would need, and can begin, before

1 necessarily the processes for those other
2 ancillary components were complete.

3 MR. HENDRICKS: If I can interrupt you,
4 I think the obvious -- I think to the town, one of
5 the obvious parts of construction that could start
6 without all these things is certainly clearing the
7 land, trees or whatever.

8 THE WITNESS (Mirabito): Exactly. And
9 that was the example that I was going to give. So
10 there is that scenario where we aren't quite done
11 with the last approval for the lateral or the
12 Connecticut Water main. So we wanted to, at
13 least, maintain that flexibility. But the
14 absolute nature of any construction activity was
15 really our only reluctance with the
16 recommendation.

17 I think you could take further comfort
18 that NTE wouldn't initiate any activity with any
19 significant cost unless we felt confident that
20 those approvals were eminent or certain. So you
21 do have that piece of it as well. But we
22 certainly wouldn't conduct any activities that
23 weren't permitted in their own right, but there
24 may be a few that need to begin before the full
25 package of all the ancillary utility requirements

1 is also permitted.

2 MR. HENDRICKS: How about the road
3 widening or reconstruction, in particular? I
4 mean, obviously you're going to need -- or it's
5 going to be advantageous to you to complete some
6 of those road improvements in order to gain access
7 to the site with your larger construction
8 vehicles.

9 THE WITNESS (Mirabito): Correct. But
10 the larger vehicles really aren't needed until
11 later on in the process, certainly not in those
12 first several months. And so our feeling is that
13 that could certainly take place beyond the start
14 of other initial activities like tree clearing.
15 And, frankly, those road improvements wouldn't be
16 fully completed until the project is done, because
17 there would be a final correction or improvement
18 of the road to anything that might have been
19 disrupted by our activity. So really that
20 activity will take place over the course of the
21 project.

22 MR. HENDRICKS: Okay. Is the tree
23 clearing operation itself, is it phased?

24 THE WITNESS (Mirabito): We don't
25 expect it to be.

1 MR. HENDRICKS: And, again, just to
2 sort of shine a spotlight on the specific concern.
3 If the permitting process ends up taking a long
4 time, obviously you're not digging trenches for
5 water or gas or any of that kind of stuff, but
6 you're clearing a lot of land. So let's say you
7 have the majority of the property cleared or half
8 the property -- I understand you're only going to
9 go down the road so far from a financial
10 perspective. But in the event that this project
11 is sidelined for any of those permitting concerns,
12 so the town, in theory, could end up with a piece
13 of land -- or not the town, whatever. I'll call
14 it the town because it's in the town. The town
15 doesn't own the property -- the area could be left
16 with a piece of property that KEC isn't on because
17 the property -- because the project was waylaid,
18 for whatever reason, but the parcel of land
19 looks -- you know, the quality or the character of
20 the land has been substantially altered.

21 THE WITNESS (Mirabito): Yes. We
22 certainly understand that concern. Again, we
23 really wouldn't begin that activity unless we were
24 certain the other approvals were coming and we
25 were to begin full construction. But if there was

1 some interest in a commitment to revegetating or
2 replanting that property, if for some reason we
3 cleared it and the project didn't proceed, I think
4 that's something we would consider.

5 MR. HENDRICKS: Right. I think the
6 town would be interested in that, yes, some sort
7 of plan for revegetation in the event that things
8 don't work out. And also, just to, I think, in
9 general, sort of informing the town on a fairly
10 regular basis, whether it's weekly or whatever, as
11 far as where you're at in the process --

12 THE WITNESS (Mirabito): Absolutely.

13 MR. HENDRICKS: -- specifically during
14 the permitting.

15 THE WITNESS (Mirabito): Sure.
16 Absolutely.

17 MR. HENDRICKS: Thank you.

18 THE CHAIRMAN: Mr. Silvestri has a
19 follow-up question.

20 MR. SILVESTRI: Thank you,
21 Mr. Chairman.

22 Aside from potential Siting Council
23 approval, what do you envision as a receipt of
24 permit or permits that would give you the green
25 light to actually start construction?

1 THE WITNESS (Mirabito): I guess it's
2 related to what specific construction activity
3 we're discussing. If it's in terms of just simple
4 tree clearing, I think it's the Siting Council
5 certificate, and the approval of a D&M plan
6 related to that.

7 MR. SILVESTRI: My understanding of
8 Connecticut DEEP's regulation for air is that no
9 construction could go on unless that air permit
10 was in hand.

11 THE WITNESS (Sellars): I'll address
12 that. In DEEP's regulations they have a clear
13 delineation of what constitutes a start
14 construction with respect to its air regulations.
15 And any excavation or movement of dirt, or removal
16 or import of fill, would constitute start
17 construction, but site clearing, including tree
18 clearing, would not constitute starting
19 construction under DEEP's regulations.

20 MR. SILVESTRI: Thank you.

21 MR. HENDRICKS: Thank you. I believe
22 my next question -- we're moving on to page 19,
23 widening of Lake Road and the traffic. Although,
24 I don't have a specific traffic question, I think
25 there's been a lot of discussion about the fact

1 that you're siting the switchyard on a different
2 parcel or across the street from where the main
3 operation is going to be.

4 Last week I think we received some
5 opinions or testimony specifically from
6 Mr. Paterno who's very detailed in his responses
7 in terms of -- NTE's responses about, if I'm not
8 mixing my reports, as far as your investigation of
9 alternatives to the two sites. Can you just sort
10 of explain, again, sort of for my edification as
11 well, why NTE or why Killingly Energy Center
12 really needs to be split -- why the switchyard
13 needs to be separate from the operation?

14 THE WITNESS (Rega): Chris Rega with
15 NTE Energy. There are a couple of reasons. One
16 certainly is the connection to Eversource. And
17 the connection to Eversource and their
18 transmission lines, just east of the generating
19 facility site, if you will, the parcel to the
20 north side of Lake Road, would be very difficult
21 because of the topography in that area. If you
22 would sort of look of those transmission lines,
23 there are four corridors. There's two 115 kV
24 lines. There's also two 345 kV lines. The line
25 that we're tapping into is a 345 kV line. So in

1 order to access that line, we have to go over the
2 first two 115 kV circuits.

3 And in that area just east of the
4 generating facility site, the 115 kV lines are
5 much higher than the 345 kV lines. So it becomes
6 very difficult to access that 345 kV line. It
7 requires very tall structures which would be very
8 visible on the site. So the much easier access to
9 the transmission lines was on the south parcel, or
10 as we call it, the switchyard parcel. In that
11 area the 115 kV line, the 345 kV lines are all
12 about the same elevation. In addition to that,
13 there's a sag in the 115 kV lines because of the
14 distance between the towers there. That allows us
15 to cross those lines much easier in that location
16 and keep the tower heights lower.

17 The second primary reason for not
18 putting everything on one site is simply space on
19 the site. We really need that space on the site
20 to be able to construct the facility for parking
21 and lay down during construction.

22 MR. HENDRICKS: Thank you. So just a
23 sag in the lines is bad, generally. Less sag is
24 more desirable, or more sag is more desirable?

25 THE WITNESS (Rega): From a crossing

1 perspective, more sag is desirable because it
2 lowers -- in the 115 kV lines, it lower those
3 lines. So it allows us to maintain adequate
4 clearances over those lines as we cross them to
5 get to the 345 kV circuit.

6 MR. HENDRICKS: Okay. That was unclear
7 to me, as I was reading through the report. I
8 would think it's counterintuitive. I would think
9 that less sag is better, but you characterized, I
10 think it was 50, whatever, 50 and 80, I think, or
11 the span was greater.

12 THE WITNESS (Rega): 500 feet and 800
13 feet.

14 MR. HENDRICKS: So the sag was greater,
15 which you characterized as a positive thing, so I
16 was trying to get some clarification on it.

17 THE WITNESS (Rega): It is. There's a
18 lot of technical detail. Sorry for that.

19 MR. HENDRICKS: Okay. So you feel as
20 though -- NTE feels as though it's put forth its
21 best effort in terms of -- I mean, are your
22 concerns in terms of colocation primarily
23 economic? I mean, in the reports there was
24 mention of actual control over the site as well,
25 coordination with Eversource regarding the

1 switches themselves. I mean, is it convenience,
2 economics, a lot of both?

3 THE WITNESS (Rega): There are a lot of
4 reasons. In terms of the question you asked, in
5 collocating, keeping all the electrical on one
6 site, it was, as I mentioned, there was a question
7 that was asked last time about a combined
8 switchyard, and that really had to do with
9 coordination with Eversource. You could still
10 have two separate switchyards on the same site,
11 but, again, that takes up a lot of space. The
12 connection problems are still there. In terms of
13 one combined switchyard, you know, not having two,
14 it didn't save a whole lot of space, and then that
15 brings up all sorts of other reliability and
16 interface issues, and safety issues with
17 Eversource.

18 MR. HENDRICKS: Thanks.

19 MR. ASHTON: In that same regard, when
20 you say you've got to coordinate with Eversource,
21 isn't it true that Eversource has to coordinate
22 with CONVEX and NEPEX, and so there is an agency
23 overview of the whole thing?

24 THE WITNESS (Rega): I'm not familiar
25 with those organizations. There may be. My

1 response is more with regard to coordination of
2 taking our units online and off line, as well as
3 isolating them for maintenance.

4 MR. ASHTON: Well, that goes on all the
5 time in generating stations. Eversource doesn't
6 own a single unit in Connecticut, to my knowledge.
7 And so the owner of the unit, or units, has to
8 coordinate with a local transmission utility, and
9 they, in turn, coordinate through CONVEX, which is
10 a coordinating agency, and NEPEX, which is an all
11 New England agency. Is that not a fair statement?
12 Or if you don't know, say so.

13 THE WITNESS (Rega): I would only add
14 that the coordination would have to be there. But
15 from a control perspective, if we have our own
16 breakers that we can isolate from the system, we
17 can isolate those breakers and keep our system
18 safe, and keep it isolated, and the Eversource
19 breakers can isolate and maintain safety on their
20 system.

21 MR. ASHTON: I think we've got to go
22 through a little bit of electrical engineering
23 here, because you're not understanding me. When
24 you have a breaker or a transformer, are there not
25 disconnect switches on either side of those?

1 THE WITNESS (Rega): Yes, there are.

2 MR. ASHTON: And what is the purpose of
3 the disconnect switch?

4 THE WITNESS (Rega): The purpose of the
5 disconnect switch is to isolate the facility, or
6 that transformer or breaker, whatever you happen
7 to be referring to, for safety reasons.

8 MR. ASHTON: Okay. So if Killingly
9 decides they want to take their step-up
10 transformer out of service, what do they do? Do
11 they just go out there and pull a breaker and then
12 pull the disconnect switches or what?

13 THE WITNESS (Rega): No. It would be
14 coordinated with Eversource, of course. But then
15 at that point we would open our breakers; we would
16 open our disconnect switches; we would use our own
17 lockout/tagout procedures.

18 MR. ASHTON: Oh, that's true. But that
19 lockout/tagout procedure has to conform to what
20 goes on in New England; does it not? You can't on
21 your own volition do a damn thing.

22 THE WITNESS (Rega): Correct. We would
23 absolutely coordinate that and communicate --

24 MR. ASHTON: You can't -- it's more
25 than coordination. It has to be getting the

1 approval of these agencies. A circuit breaker is
2 required for system, system protection. And
3 insofar as the system control is through NEPEX,
4 they are the ones that are in the driver's seat.
5 You just can't go out there and pull that breaker
6 open.

7 THE WITNESS (Rega): Agreed.

8 MR. ASHTON: Okay. Now we're getting
9 somewhere. So that the idea of a mixture of
10 Eversource and other property is not necessarily a
11 fatal flaw, is it?

12 THE WITNESS (Rega): It is not a fatal
13 flaw. We just feel that the system that we have
14 designed for this project is the best system.

15 MR. ASHTON: Again, that system, or
16 where it's separate or combined, can only, only
17 work through, I'm going to say, NEPEX. CONVEX is
18 really a section of NEPEX. But CONVEX and NEPEX
19 is the controlling entity for the entire power
20 pool. Is that fair to say?

21 THE WITNESS (Rega): I'm not familiar,
22 but I will take your word for it.

23 MR. ASHTON: Okay. So if you want to
24 take a transformer out of service or a breaker out
25 of service, you do it through the approval of an

1 attacking procedure ascribed by NEPEX, and then
2 you isolate the equipment by using disconnects.
3 Is that fair to say?

4 THE WITNESS (Rega): Yes.

5 MR. ASHTON: And again, that is all
6 controlled by NEPEX.

7 THE WITNESS (Rega): Okay. Again, I'm
8 not familiar with NEPEX, but those breakers and
9 disconnects in our system would be in our
10 switchyard in our facility.

11 MR. ASHTON: That's not where I'm
12 going. I asked a question, is it controlled by
13 NEPEX; yes or no?

14 THE WITNESS (Rega): I do not know that
15 answer.

16 MR. ASHTON: It may be nice to find
17 out. That's a critical facility. No one, no one
18 entity, Eversource or anybody else, can simply
19 play with the facilities without getting NEPEX
20 approval. And so that means all the facilities,
21 all, A-L-L, must conform to the requirements of
22 NEPEX. And whether you want it on a separate
23 parcel or not, or whether you want it on three
24 parcels, that's something you can ask for, but
25 there's good reasons not to do it, I think. I

1 want to be careful here. But I want you to
2 acknowledge that the final judgment in operating a
3 system does not rest with the applicant, be it
4 Eversource or whoever; it rests with NEPEX.

5 MR. BALDWIN: I think, perhaps,
6 Mr. Ashton, we can take that as one of our classic
7 homework assignments and just confirm that point.

8 MR. ASHTON: Thank you. I'm going to
9 turn it back to you, but I think this directly
10 relates.

11 MR. HENDRICKS: Thanks. I appreciate
12 it.

13 Moving onto pages 22 and 23. In
14 conditions 6 and 7, the planning & zoning
15 commission is concerned about annual traffic
16 control support, as well as the ability to oversee
17 actual construction of the road to make sure that
18 generally accepted construction principles are
19 being used. And in the event there was
20 noncompliance, they wanted to see the project shut
21 down until there was compliance. Not
22 surprisingly, you appealed that particular
23 portion.

24 I don't know if there's a question
25 here, more a comment, I guess. I feel as though

1 one of the issues towns typically run into is
2 repeated noncompliance, especially in an area of
3 town that's more rural that we're looking at here.
4 Because a lot of times contractors will make it
5 sort of out of sight, out of mind, the town came
6 and looked at us today, and they're not going to
7 come back for a while, so we'll just kind of do
8 our thing. I mean, the Town of Killingly is
9 concerned about making sure that the traffic flow
10 goes in the direction that it needs to go to. It
11 needs to stay away from Cotton Bridge Road. It
12 needs to stay away from the westerly end of Lake
13 Road.

14 So what kind of controls, I guess, does
15 NTE have, or do you empower your GC, or something
16 like that, in terms of ensuring that all the
17 contractors and subs sort of play ball with the
18 town on a regular basis, and don't just sort of
19 say, okay, sorry, and wait for the next time?

20 THE WITNESS (Mirabito): I'll certainly
21 let Chris or Scott respond to the specific
22 controls. But just to clarify, the only
23 reluctance, again, with this order was the
24 finality of any issue resulting in a stop work.
25 We're certainly going to coordinate carefully with

1 the town on a very frequent basis about those
2 activities. If issues arise, we'll work together
3 to find a resolution. And maybe stop work is the
4 right solution for a certain issue, but we just
5 didn't want to commit that it was going to always
6 be the action taken. So that's just to clarify
7 our response here. Certainly no reluctance in
8 coordinating with the town on all those activities
9 on an ongoing basis.

10 In terms of specific controls, I don't
11 know if, Chris or Scott, you guys want to talk to
12 that.

13 THE WITNESS (Rega): I would only say
14 that there certainly will be signage that would
15 require any of the trucks to not be able to take a
16 right turn out of the facility. We would also be
17 discussing that with the contractor, and have that
18 as part of our contract with them, and require
19 that they have that as part of their contract and
20 purchase orders with their vendors and
21 subcontractors.

22 MR. HENDRICKS: It's a very sensitive
23 issue out there. I mean, the day that this
24 Council came out to visit the site, I was
25 directing people where to park, and a truck -- it

1 has nothing to do with NTE -- but it came down
2 that road going the wrong direction. And I
3 neglected to yell at him and show him the error of
4 his ways. But it's not -- it's easy to sort of
5 sit here and make light of it. I think it's very,
6 very important.

7 And the town is very concerned that
8 while this work is going on that these controls
9 are actually put into place. It may take more
10 than signage. Clearly, signs don't always work.
11 People ignore signs. As an industrial park, a lot
12 of -- we understand mistakes happen. Sometimes a
13 driver who's unfamiliar with the area comes in
14 from the wrong direction. I think the town really
15 hopes that there is some real diligence in terms
16 of monitoring and making sure that the controls
17 actually work.

18 THE WITNESS (Mirabito): And we
19 appreciate that there's some history there. We'll
20 make sure that we start that coordination early
21 enough that we can incorporate those specific
22 concerns into the plan from the start.

23 MR. HENDRICKS: Thank you. Moving on
24 to page 24, condition number 8. The Town of
25 Killingly will require that the road widening of

1 Lake Road is completed prior to the commencement
2 of site construction activities, and ask that NTE
3 provide the town with a plan on property
4 acquisition and actual sort of plan for the
5 widening. What's your timetable in terms of --
6 the word "prior" is used a couple of times.

7 So, obviously, we've already had the
8 discussion that some certain limited construction
9 activity may occur on the site prior to some of
10 this work being completed. But what kind of
11 notice -- can you define "prior"? I understand
12 that you may not be able to define it precisely,
13 but is this something that, you know, in terms of
14 prior notice of the plans and what things are
15 going to look like, do you have an idea of what
16 kind of notice the town and the residents can
17 expect?

18 THE WITNESS (Mirabito): I'll ask Scott
19 to elaborate on his process. But we've begun the
20 design of that work. We've reviewed the initial
21 design with the town engineer. We now have to
22 turn that into a more detailed design that will
23 define the extent of any property acquisition
24 requirements. And ultimately it will be a
25 sufficient design that we can present to the town

1 for approval.

2 Scott, is there anything you want to
3 add to that in terms of the specific activities
4 you've got underway?

5 THE WITNESS (Hesketh): Scott Hesketh,
6 for the record. We are in the process now of
7 preparing the construction documents. As
8 indicated, we did provide some preliminary plans,
9 general layouts to the town staff, which were
10 deemed acceptable to move forward with. We're now
11 working on a detailed design to try to identify
12 any impediments or obstacles we need to overcome.
13 And then we'll go back and meet with town staff,
14 again, let them know what we found, and then
15 proceed to the final design. We should be able to
16 have that done within a couple of months. And if
17 the town reviews and accepts the plans, we'd be
18 ready to go to construction probably in the
19 springtime, depending on whatever approvals are
20 necessary and obtained from other agencies.

21 The widening of the roadway or
22 softening of the curbature is needed at the time
23 the large industrial type items to be delivered.
24 But I believe it's the intent of the applicant to
25 move forward with the initial construction to get

1 the roadway widened, get it to a base level, and
2 then finish the final completion of the final
3 pavement, and striping, and signage of the roadway
4 as the last portion of the project as they leave.

5 MR. HENDRICKS: Thank you. Just as
6 kind of an ancillary question, in terms of
7 clearing, not just for the parcel itself, but for
8 the road, the widening, what's going to happen to
9 all the timber and stumps, specifically, right?
10 Stumps are a big issue in small towns, and people
11 tend to bury them and dig holes on the property.
12 Can you tell us where that stuff is going, or what
13 your plan is for disposal of the cleared
14 materials?

15 THE WITNESS (Rega): I don't know if I
16 can give you specifics. It will certainly be
17 taken off site. We will not be burying anything
18 on the site. But yes, trees, all the timber, and
19 the stumps, and roots, and that will all be sort
20 of pulled out and taken off site.

21 MR. HENDRICKS: Off site. Good. Thank
22 you.

23 Page 27. Planning and zoning was
24 requesting a fairly rigorous third-party
25 inspection in terms of -- "rigorous" in terms of

1 frequency, I think it was, they requested daily.
2 And I think it was that inspection frequency, NTE,
3 that you specifically appealed in this. What do
4 you think is a reasonable inspection frequency in
5 terms of the work going on here from the town's
6 perspective or the town's agent?

7 THE WITNESS (Mirabito): Yes. Again,
8 we don't object to the use of a third-party
9 inspector. This was really appealed simply
10 because we know the Council typically makes that
11 recommendation as well, and we were deferring to
12 them to help define the scope and the frequency of
13 that. In terms of what that potential frequency
14 might be, I'd defer to either Chris or Norm and
15 their experience on that --

16 MR. HENDRICKS: I understand that
17 you --

18 THE WITNESS (Mirabito): Or Lynn.

19 MR. HENDRICKS: The appeal was clear in
20 that you -- I think you were looking for guidance
21 from this Council. I think I need to ask the
22 question why the resistance to an inspection
23 frequency that was imposed by the town?

24 THE WITNESS (Gresock): And I think
25 there will be periods of time where daily

1 inspection will very much be appropriate,
2 certainly, any time there are activities in close
3 proximity to wetlands, any time any of the steep
4 grades are underway. But I think there will be a
5 period of time where the initial grading is
6 completed. There is stabilization of all the
7 slopes, daily checks. You know, we'll continue at
8 that point to verify that there are no issues
9 relative to stabilization.

10 And at that point in time, the
11 frequency of the field visits can likely decrease,
12 you know, being triggered by some regular
13 frequency following rain events and such, because
14 at that point in time if all of the perimeter
15 areas near sensitive resources have been
16 established, have been stabilized or vegetated or
17 whatever, there's not that much to see as the
18 interior portions of the site progress. I think
19 that regular visits will still be expected, and
20 they will still occur, but I think over the entire
21 construction period you'll get to a point fairly
22 early where the grades are established and
23 stabilized, and daily visits wouldn't necessarily
24 be meaningful.

25 THE CHAIRMAN: Mr. Hannon has a

1 follow-up.

2 MR. HANNON: Thank you. One of the
3 things I'm kind of surprised that you did not
4 respond to in this question is the third-party
5 having the authority to direct the contractor to
6 cure deficiencies. Because to me it looks like
7 it's sort of wide open. I just want to make sure
8 that you are fine with that request

9 THE WITNESS (Gresock): Oh, absolutely.
10 We absolutely expect and assume that that party
11 will have ability to correct and to address
12 issues. And even to the degree that there are
13 activities that will occur, there will be the
14 flexibility for some stop work in certain areas
15 until such deficiencies are corrected. It's an
16 important role for that third-party, and there are
17 definitely times while those measures are being
18 put into place, and prior to stabilization
19 occurring, where it will be critical for them to
20 be engaged very, very actively and all the time.

21 But I think our appeal is simply,
22 again, just not focused on the spirit of what was
23 said, but focused on the fact that every day for
24 three years there probably doesn't need to be
25 somebody there. And I think it will be something

1 that can be managed between DEEP and the town and
2 NTE, as that continues, and certainly well
3 communicated in terms of what the schedule is
4 intended to be and adjusted, as appropriate.

5 MR. HANNON: I just wanted to make sure
6 that was okay, because you did not specifically
7 address it in your response. Thank you.

8 THE WITNESS (Gresock): Sometimes we
9 forget that things that go without saying ought to
10 be said.

11 MR. HENDRICKS: But I appreciate Mr.
12 Hannon's clarification because, again, that's one
13 of the reasons that I'm here. Obviously, these
14 responses can be interpreted by different minds.
15 Right. And part of my job is to make sure that
16 I've got solid answers, so that when residents
17 come and town counselors ask me specifically,
18 right -- I mean, my job, the town's job is to
19 advocate for the citizens, the residents, and to
20 make sure that in the event this thing lands in
21 Killingly, that we've asked all the questions that
22 we could ask; we've exercised our due diligence.
23 So not in deference to you, sir, I interpreted
24 NTE's response as being as it was okay with the
25 third-party discretion there, but clearly

1 reasonable minds can differ. So I appreciate
2 that.

3 My next question, I think we're moving
4 on to page 29 and 30. It's a noise abatement
5 question. I'm going to defer to Mr. Stopper here
6 to word the question properly. I think it needs
7 to be noted that, obviously, there are a lot of
8 concerns on the parts of the residents,
9 specifically the folks that live close in that
10 neighborhood and the town in general. Clearly,
11 noise is one of our primary concerns, specifically
12 because there is already a power plant in that
13 area. And so I think the attenuation of noise,
14 whether in general, whether it's generated by
15 construction, or simply the everyday operation of
16 the plant, is something that the town really would
17 like to see.

18 So Carl, would you mind referring to
19 that particular --

20 MR. ASHTON: You use the expression of
21 "another power plant in that area." I think those
22 are your exact words. Do you know exactly what
23 the distance is between the two plants .

24 MR. HENDRICKS: It's about a mile, as
25 the crow flies.

1 MR. ASHTON: That's fine. Normally we
2 measure distances in a straight line, unless you
3 choose to follow an arc or something like that.
4 So you're talking a mile in there. Do you know if
5 there's any discernable noise from the existing
6 plant at the site?

7 MR. HENDRICKS: At the site?

8 MR. ASHTON: At the site in question
9 here.

10 MR. HENDRICKS: Yes. I mean, there is
11 discernable noise from the existing power plant
12 obviously miles away. There happens to be a lake
13 community that's fairly close by.

14 MR. ASHTON: I'm asking, you're saying
15 "obviously."

16 MR. HENDRICKS: Oh, I'm sorry.

17 MR. ASHTON: Has the town measured the
18 noise level of the existing plant at the site in
19 question today; yes or no?

20 MR. HENDRICKS: Yes, sir.

21 MR. ASHTON: What is that level?

22 MR. HENDRICKS: I don't have those
23 numbers in front of me. I know my zoning
24 enforcement officer has those numbers.

25 MR. ASHTON: I'd like to know what they

1 are, if you could submit them sometime?

2 MR. HENDRICKS: Yes, sir. I can tell
3 you that they are in compliance with the town's
4 noise ordinance which --

5 THE WITNESS (Gresock): And certainly,
6 you know, we can offer that when our ambient
7 measurement team was out at the site, we did not
8 notice any sounds, in particular, from the Lake
9 Road generating facility. And with the L90
10 ambient measurements during the day ranging in
11 pretty low levels, it was, you know, in the 30s to
12 40 level, both day and nighttime for the ambient
13 levels. I would expect that there might be times
14 where people in the community might hear something
15 from the Lake Road generating facility that might
16 be outside of its normal operation, but we did not
17 observe that there was any contribution to the
18 typical background noise.

19 MR. ASHTON: Thank you. That's what
20 I'm looking at for the town to say what it did
21 observe, because there seems to be an intrinsic
22 conflict here.

23 MR. HENDRICKS: Well, I don't know that
24 anyone is saying that there's isn't any noise
25 generated. It certainly isn't consistent. Right.

1 It depends on --

2 MR. ASHTON: Your statement to me said
3 that you were concerned about noise for an
4 existing power plant at this site, and I'm trying
5 to find out what is your concern, how much is it.
6 And you said you'd get it for me.

7 MR. HENDRICKS: Let me clarify. I'm
8 not concerned about the noise from the current
9 power plant at Killingly Energy Center. I'm
10 concerned about any increase in ambient noise in
11 that general area, combined, and any noise that
12 Killingly Energy Center may add to the existing
13 ambient noise.

14 MR. ASHTON: That's different from
15 where we started. Thank you.

16 MR. STOPPER: I hope you can hear me.

17 MR. ASHTON: Get a microphone.

18 MR. STOPPER: My questions begin on
19 page 29 of the same document. There were comments
20 raised through the planning and zoning commission
21 regarding noise measurements, noise calculations,
22 that were prepared and submitted to that
23 Commission by TRC's noise expert. And, in
24 particular, a lot of our concerns and comments
25 with regard to noise have to do with the standard

1 by which the noise measurements are being used to
2 calculate the impact. And, in particular, there
3 are representations in the documents that indicate
4 that there will not be any noise impact to certain
5 portions of the town, in particular, the area near
6 Alexander Lake.

7 And noise is kind of a tricky subject,
8 because there's a lot of numbers being thrown
9 around; different standards that are used for
10 assessing the impact that noise has. And our
11 noise expert feels very strongly that there are
12 calculations that have not been provided and
13 furnished by the applicant that would support the
14 conclusions made in their document that there
15 would be no impact.

16 MR. BALDWIN: Mr. Stopper, excuse me.
17 I'm sorry. I'm sorry, Mr. Chairman. Can we just
18 get a question.

19 THE CHAIRMAN: We need questions.

20 MR. STOPPER: Okay. So the questions
21 that we have, have to do with the means and
22 methods used for measuring that impact. In
23 particular, it appears that the applicant has
24 stated that they are in compliance with the
25 Connecticut regulations, but they are also

1 implying that there is no measurable impact to the
2 residents in --

3 MR. BALDWIN: I think we heard a
4 question. So maybe we can respond to that
5 question and then move on. I don't mean to cut
6 you off, but I want to make sure we get to your
7 question.

8 THE WITNESS (Gresock): So we have a
9 lot of information that has been submitted in the
10 report and in the application, and we do provide
11 information associated with the ambient
12 background. But our compliance demonstration is
13 based upon the requirements that are outlined in
14 state regulations and also the local noise
15 ordinance, which pertain specifically to the sound
16 generated by the facility itself at certain
17 property boundaries.

18 We have collected the ambient
19 background levels in the original appendix
20 document. We had reported the LEQ. We
21 additionally reported in the application itself
22 that L90 levels, also, all of that was collected.
23 In both of the rules that ambient background is
24 utilized to determine what the appropriate
25 standards are that need to applied to demonstrate

1 compliance. For example, if those ambient levels
2 had been higher than the required levels that are
3 specified in the rules, then the area might be
4 determined to be a high background noise area, and
5 then a different standard would apply in terms of
6 demonstrating compliance.

7 In this instance, the L90 levels that
8 were collected demonstrated that it's not a
9 particularly high background noise area. It has
10 levels that are very consistent with its current
11 zoning and use. And so, according to both the
12 state and the local regulations, we have
13 demonstrated compliance in accordance with the
14 levels that are specified for sound level of an
15 industrial source at the nearest residential
16 property lines at both day and night.

17 MR. STOPPER: Okay. And I think the
18 question I'm getting to here is not that you
19 haven't demonstrated compliance with the noise
20 regulation, per se, but the thing that we take
21 exception to is the statement that there is no
22 demonstrated impact to those residents in the
23 vicinity of Lake Road Generating. And, in
24 particular, the basis for providing that
25 information has to do with the measurement of

1 background noise level using the L90 standard, and
2 comparing those to the increase in noise levels
3 that would be generated from the facility.

4 And the information that was provided
5 in the application, when we looked at the graphs
6 that were presented that showed the noise levels,
7 and what was reported is that the increase would
8 be greater than 3 decibels, which would be
9 something that, by standard, would be noticeable.
10 And what we're taking exception to is that that
11 information --

12 MR. BALDWIN: I'm sorry, Mr. Chairman,
13 the town is going to have their opportunity. I'm
14 just trying to get through this session with the
15 question. I don't want to be disruptive, but I
16 just want to get to the question.

17 MR. STOPPER: So the question is why
18 the applicant hasn't furnished the information
19 that we've requested with regard to those
20 calculations. They've provided the information
21 that was required in order to demonstrate
22 compliance with the regulation, but have not
23 provided the information that was requested to
24 show what these comparisons would be and the
25 impact as a result.

1 THE WITNESS (Gresock): And it's our
2 assumption that in developing the regulations and
3 in developing the ordinance that establishes a 51
4 dBA limit for industrial sources at residential
5 property lines, that the town and the state have
6 determined that those are acceptable levels for
7 this type of use. We had provided some color
8 around comparing what the project's sound levels
9 were to some of the existing ambient numbers, but
10 in no way were we intending to reflect that we
11 were providing a detailed analysis of impacts. To
12 our mind, what we need to demonstrate is that
13 we're meeting the required standards.

14 I think you can appreciate that noise
15 and noise impact is oftentimes a very subjective
16 thing. And everyone experiences the potential for
17 disruption and sound influence in a different way,
18 depending on specifically where they are, what
19 their conditions are, what happens to be going on
20 in the rest of the world around them.

21 MR. STOPPER: So the position of the
22 applicant is that just demonstrating compliance
23 with the regulation is sufficient, that showing
24 the potential impact from the project using the
25 L90 ambient readings at nighttime levels and

1 showing what that impact is, is not required?

2 THE WITNESS (Gresock): Our goal is to
3 demonstrate compliance with the standards,
4 correct.

5 THE CHAIRMAN: Mr. Silvestri has a
6 follow-up.

7 MR. SILVESTRI: Thank you,
8 Mr. Chairman. I was just kind of looking for
9 clarification as to where we're going with this
10 one. And I'm not sure if we have a difference
11 between compliance with the noise standard as
12 opposed to what type of impact might be to the
13 resident.

14 MR. STOPPER: Correct.

15 MR. SILVESTRI: So while it seems that
16 they're demonstrating compliance with the
17 standard, you're looking for what would be the
18 impact --

19 MR. STOPPER: Correct.

20 MR. SILVESTRI: Beyond whatever the
21 noise level would be at that property?

22 MR. STOPPER: Correct.

23 MR. SILVESTRI: Did you get an answer
24 to your question?

25 MR. STOPPER: The applicant has, I

1 believe, stated that they only feel they need to
2 comply with the noise standard, and that
3 demonstrating what that impact is, or potential
4 impact is, is not required is what I'm hearing.

5 THE WITNESS (Gresock): Right. And we
6 have provided in figure 7-5, in revised figure
7 7-5, the manner in which the sound level from the
8 facility decreases as it moves away from the
9 project itself. That drawing does show in
10 different color bands the compliance level in
11 terms of keeping the sound where it needs to be at
12 the property boundaries, but also the manner in
13 which the project's sound contribution extends in
14 the surrounding area. And that figure certainly
15 shows that it's a fairly short distance away
16 before the sound level from the project is at
17 around the 30 dB range.

18 MR. BALDWIN: And just for my benefit
19 as the one who will be working on the brief,
20 that's found in Exhibit 4 of our regulate and
21 restrict order appeals that are in the record.

22 THE WITNESS (Gresock): Thank you, Ken.

23 MR. BALDWIN: Thank you.

24 THE CHAIRMAN: And I think from the
25 Council's standpoint, although, obviously, issues

1 such as impact of any additional noise is, I
2 guess, of interest, but our concern is will this
3 meet the appropriate state and local ordinances
4 regarding sound? And I don't really think that as
5 a Council that we can go beyond that.

6 So, unless you can give us a reason why
7 we should be addressing impacts that would still
8 be below the state and local ordinances on sound,
9 I'm not sure there's any point in continuing this
10 discussion.

11 MR. STOPPER: I just wanted to clarify
12 that. Thank you.

13 MR. HENDRICKS: Thank you, Mr. Chair.
14 I think that's kind of the road the town was kind
15 of going down. I think that our concern over the
16 difference between simple compliance versus actual
17 impact, if that's not appropriate, that's all well
18 and good.

19 I'm moving on to page -- we're almost
20 done, I think. We're getting down to page 33,
21 actually 32 and 33. Condition number 5, it stated
22 the construction may occur seven days per week;
23 construction could last for three years. Again,
24 sort of the discussion of impact. Can the
25 potential impact of construction, you know, noise,

1 or whatever, be sort of evaluated prior to the
2 start of the project, and remediation, I guess,
3 too?

4 THE WITNESS (Gresock): So we did not
5 provide a detailed analysis of construction noise
6 because both the state and the local ordinances
7 exempt from regulation noise that's generated by
8 construction that occurs during daytime hours,
9 including noise created by blasting and such
10 activities during the day.

11 That said, I know that there are
12 certain types of construction measures, like steam
13 blows, for example, where we are anticipating that
14 mitigation measures will be employed to keep those
15 sound levels down as much as possible. One of the
16 challenges of producing impact analyses associated
17 with construction is the very dynamic and changing
18 nature of that construction. And when we provide
19 those kinds of analyses for projects by their very
20 nature they are somewhat generalized in terms of
21 the potential impact associated with phasing. And
22 you just have to kind of make some assumptions in
23 terms of how many pieces of equipment are doing
24 what. And it typically isn't a terribly
25 satisfying analysis, simply because it does change

1 over time.

2 MR. HENDRICKS: Thank you. Page 34 and
3 35, air quality. So this was a difficult question
4 for me to address here. But I think your response
5 to air quality condition number 1 could sort of be
6 interpreted that you didn't feel as though you
7 needed to address or it wasn't necessarily --
8 because you were complying with the state and
9 federal air quality standards, that you didn't
10 necessarily need to address those particular
11 points that P&Z had brought up.

12 And so I think the question I had was
13 sort of like a "why not" question. Do you know
14 what I mean? These were, as was stated somewhere,
15 you know, unfortunately, Wyndham County, the
16 county in which Killingly is in, has historically
17 state high rates of respiratory illness. So
18 obviously -- and so the populations that tend to
19 be most affected by those illnesses, and by
20 extension, the potential effects of the energy
21 center on that population is very important to the
22 local groups.

23 THE WITNESS (Sellars): Yes. And we
24 share -- obviously I've been working on air
25 pollution for close to 40 years now, and so it's

1 very important to me as well.

2 The National Ambient Air Quality
3 Standards are established by the Environmental
4 Protection Agency, and they've been adopted by the
5 Connecticut Department and Energy and
6 Environmental Protection. And when US EPA
7 establishes those Ambient Air Quality Standards,
8 they do so with input from a number of
9 epidemiological organizations, as well as
10 institutes like the National Institute of Health,
11 the National Academy of Sciences. And the target
12 of those Ambient Air Quality Standards is
13 precisely those populations, is the most sensitive
14 and most susceptible populations that the
15 standards are set to protect with an adequate
16 margin of safety.

17 So those Ambient Air Quality Standards
18 are established to protect chronic asthmatics and
19 emphysemics, primarily. And this facility, using
20 modeling, very, very conservative assumptions,
21 assuming, for example, ultra low sulfur distillate
22 use year round, even though that's not going to be
23 allowed by our air permit, results in ambient
24 concentrations, at places like the nearest school,
25 somewhere in the order of less than 1 percent of

1 those Ambient Air Quality Standards.

2 So we feel very, very strongly that the
3 emissions controls have been placed on this
4 facility, it's very clean. The inherent nature
5 itself is very very protective of those Ambient
6 Air Quality Standards that have been established
7 specifically to protect the health of those very
8 very sensitive populations. So we didn't feel
9 that an additional epidemiological study is really
10 appropriate or warranted.

11 MR. HENDRICKS: So you feel as though
12 the plan to meet those minimum compliance
13 standards, or whatever, is sufficient enough to
14 protect that population?

15 THE WITNESS (Sellars): Not just
16 meeting those standards, but the fact that our
17 maximum impacts are a small fraction of those
18 standards.

19 MR. HENDRICKS: Thank you. Page 35,
20 number 2. I may defer to Mr. Stopper on this.
21 Again, I just sort of had a simple question.
22 Based on my consultation with Mr. Stopper, it
23 sounds as though, in reading the response here,
24 you're going to use a tier 2 emergency generator.
25 And it would seem as though under the BACT or

1 whatever, that combined with the availability of
2 emergency generators that satisfy your needs, that
3 tier 3 generators are available.

4 Why could you not, or will you or will
5 you not, maybe, incorporate an emergency generator
6 that complies with a tier 3 generator as opposed
7 to a tier 2?

8 THE WITNESS (Sellars): I think, as we
9 said in our response, EPA has not established tier
10 3 standards for generators larger than 560
11 kilowatts, and our generator is 1.5 megawatts. So
12 there are no tier 3 standards with which to comply
13 for generators of that size.

14 Now, that said, we still have to do a
15 best available control technology demonstration.
16 And we've submitted our BACT analysis to the
17 Department of Energy and Environmental Protection,
18 and they will determine whether we've applied BACT
19 or not. Those are the levels that we've proposed
20 are the same ones that the department has
21 determined was best available control technology
22 in its most recent air permit application for a
23 facility of this type in Connecticut, which was
24 the Towantic Energy Center.

25 That said, Mr. James Grillo from the

1 Department of Energy and Environmental Protection
2 will be reviewing that information, and he will
3 determine what BACT is.

4 MR. ASHTON: May I inquire? What
5 specifically is the town concern about the
6 emergency generator situation?

7 MR. HENDRICKS: I don't know that
8 there's a specific concern. I think it's just a
9 use of best available control technologies. I
10 understand, I was just about to sort of address
11 your question.

12 So I think the fact that the Commission
13 was looking at it from a standpoint of I don't
14 think, maybe, they understood that generators of
15 that size, that there were no tier 3 standards.
16 But they were looking at the use of innovative
17 technology, sort of standards of BACT, and saying,
18 okay, we understand your belief anyway that there
19 are generators out there on the market that do
20 comply with tier 3 standards or R tier 3.

21 MR. ASHTON: For what purpose, though?
22 I can give you a dozen different scenarios of
23 emergency generators, and I'm trying to understand
24 which one the town really is after. Is it for
25 total operation of the plant in the event of loss

1 of external power?

2 MR. HENDRICKS: Carl, do you want to
3 field that? I think there's a technical answer
4 maybe better given by --

5 MR. STOPPER: Well, I can't say the
6 entire purpose of the electrical generating
7 equipment that's being proposed. The applicant
8 would have to address that.

9 MR. ASHTON: Do you understand that the
10 equipment proposed now takes its station service,
11 that is, its local power demand, off the
12 transmission system? That's question one.

13 THE CHAIRMAN: Excuse me, Mr. Ashton.
14 They're not sworn.

15 MR. ASHTON: No, I know that. But I'm
16 just trying to get a definition here.

17 THE CHAIRMAN: You're asking the town
18 the question. You really have to go to --

19 MR. ASHTON: I understand that. I'm
20 trying to get a definition out of them, and I'm
21 not sure they understand it. When you say
22 "emergency generator," it could be an emergency
23 generator to back up the potable water well on
24 site. And so there's all kinds of gradients here.
25 And I don't know whether the town understands that

1 as to what they are.

2 MR. STOPPER: The question is not about
3 what the equipment is necessarily being used for.
4 The question pertains to the emissions being
5 generated from the equipment.

6 MR. ASHTON: Oh, it's emissions. Okay.

7 MR. STOPPER: Air emissions, and the
8 use of best available control technology.

9 MR. ASHTON: For the emergency
10 generator?

11 MR. STOPPER: For the emergency
12 generator.

13 MR. ASHTON: I'm sorry, I did not
14 understand that.

15 MR. STOPPER: Okay.

16 MR. HENDRICKS: I'm sorry if I was
17 unclear. Do you see a pattern for me here?

18 MR. ASHTON: Keep going. We're having
19 fun.

20 MR. HENDRICKS: I'm glad you are.

21 (Laughter.)

22 SENATOR MURPHY: It's a good day
23 anyhow.

24 MR. ASHTON: Too cold to go out.

25 MR. HENDRICKS: Page 36 -- 35 and 36, I

1 guess, talking about the formaldehyde. So I
2 gleaned it. I don't know that I really ran this
3 by Mr. Stopper. But it struck me there was no
4 evaluation of what the formaldehyde levels are
5 actually going to be?

6 THE WITNESS (Sellars): No, that's not
7 correct. We've quantified the formaldehyde
8 emissions from all of our equipment in our air
9 permit application. I think the question in your
10 regulate and restrict order was the use of which
11 emission factor, and they specifically pointed to
12 something called AP-42, which is US EPA's
13 compilation of emission factors.

14 MR. HENDRICKS: Which you've sort of
15 characterized as not obsolete, certainly archaic
16 or old standards or --

17 THE WITNESS (Sellars): The AP-42
18 emission factor for formaldehyde is obsolete.
19 It's based on older combustion turbine technology
20 in excess of -- the emission factor itself is in
21 excess of 20 years old. It routinely, in air
22 permit applications for equipment of this sort for
23 the formaldehyde emission factor, the applicants
24 and engineers will rely on a different database
25 than AP-42, since recognizing that the AP-42

1 factor is not based on the type of combustion
2 turbine and certainly the presence of an oxidation
3 catalyst is emissions controls.

4 So there are essentially two different
5 emission factors that most applicants rely on.
6 One is an emission factor pushed by the California
7 Air Resources Board. And, in fact, there's a
8 couple of recent permit applications by your
9 consultant, by TRC, one for the 630-megawatt
10 combined cycle combustion turbine project in
11 Wawayanda, New York, the CPV Valley project, and
12 another for a similar project in Jordan Cove in
13 Oregon.

14 And I'll just basically read right from
15 the BACT analysis from those applications.
16 Potential emissions of hazardous air pollutants
17 have been based on and quantified based on AP-42
18 emission factors, with the exception of
19 formaldehyde, which is based on the California Air
20 Resources Board emission testing and it is more
21 appropriate for advanced technology dry low-NOx
22 model units, such as that proposed.

23 The EPA has recently done additional
24 testing on combustion turbines of this sort when
25 they were trying to establish under maximum

1 available control technology standards, or what's
2 called the the MACT 4 document. They did testing
3 on a number of more modern combustion turbines
4 that are these low NOx designs that have oxidation
5 catalysts. And they published a dataset and have
6 established what they consider the MACT 4 level to
7 be. So we're faced with, should we use the
8 California Air Resources Board Emission Factor,
9 which is pretty commonly used, as TRC has done in
10 their applications, or the MACT 4 document.

11 Now, we're not subject to MACT for
12 this, as you correctly pointed out, but we weren't
13 insinuating that we were, but rather pointing to
14 that as the most appropriate database.

15 The California Air Resources Board
16 Emission Factor for formaldehyde is exactly
17 one-half of the level that we used. So we thought
18 it was more conservative to use the MACT 4 level
19 than the California Air Resources Board level,
20 which we could also defend as an appropriate
21 factor.

22 MR. HENDRICKS: So you feel that the
23 analysis was done using a much more conservative
24 standard?

25 THE WITNESS (Sellars): More

1 conservative than the California Air Resources
2 Board factor, but the AP-42 factor was, in our
3 professional opinion, is not applicable to this
4 type of permit.

5 MR. HENDRICKS: So it just kind of
6 boils down to a professional disagreement over a
7 particular standard or the appropriateness of the
8 standard.

9 THE WITNESS (Sellars): We were
10 confused about the disagreement in that a much
11 lower factor is routinely used elsewhere,
12 including in TRC's applications.

13 THE WITNESS (Gresock): And at the end
14 of the day DEEP will conduct their review on this
15 basis and will also render their own opinion. So
16 that will certainly be a part of the ongoing
17 review of the air permit application.

18 MR. HENDRICKS: Thank you. I only have
19 a couple more questions. Moving on to page 41,
20 number 2. There's a town requirement for setback,
21 or, you know, the buffers to be doubled. In your
22 response to this particular order the applicant
23 stated it wasn't able to commit. So I guess the
24 easy question is why not, or what's standing in
25 your way of being able to double the vegetation

1 there?

2 THE WITNESS (Mirabito): Norm might
3 want to weigh in here as well, but I think, again,
4 it gets just to the absolute nature of the
5 request. Right. We'll certainly extend those
6 buffers, to the extent we can, and in some cases
7 double what's in the town regs, but we can't
8 commit to that unilaterally across the site.

9 THE WITNESS (Thibeault): I think I
10 could add to that, too. I think in some of the
11 areas where we're doing some grading, those are
12 really the -- it's really the issue that kind of
13 drives whether or not the area is going to remain
14 vegetated. I think there's certainly some
15 opportunity to revegetate in some of the areas
16 after the grading is completed adjacent to the
17 property lines.

18 And I think for the most part the 75
19 feet is met, or can be met, throughout most of the
20 site. There's a lot of opportunity, I think,
21 along Lake Road to provide some greater buffering,
22 and certainly to the eastern side as well. The
23 western side where we've got the storage tank and
24 things of that nature, there's also access to the
25 basins on that side. That's where, I think,

1 probably the minimal of the 75 feet could be
2 achieved, but I think it would be difficult to get
3 any larger than that in that area.

4 MR. HENDRICKS: Thank you. I just
5 have, I think, two more questions that are not
6 related to this report. In terms of -- and this
7 is probably contained in your application
8 someplace, but either I missed it or it just
9 blurred on me. So exactly how much in terms of
10 moving material, right, in terms of cut and fill,
11 how much material is actually going to be removed
12 from the property and/or brought into the property
13 onto the parcel for the project?

14 THE WITNESS (Rega): Our calculations
15 estimate that we'll be able to do a neutral cut
16 and fill, so no net import or export. Of course,
17 we'll have to see what we find, you know. And if
18 there's maybe, perhaps, some structural fill that
19 might need to be brought in, because suitable
20 structural fill is not available on site, we may
21 have to import a little bit for that. But, again,
22 we've done calculations, and those show neutral
23 cut and fill, so zero net import/export.

24 MR. HENDRICKS: I think the removal
25 tends to be the larger concern, obviously.

1 Can you tell me where you're at in
2 terms of investigation of alternative water
3 sources? As you know, the other large issue,
4 especially, it's probably the largest issue on the
5 part of the town council, as most of you read in
6 the letter that I sent to you from the town
7 council, the fairly high amount of potable water
8 used in the operation of this plant is of concern,
9 not just in the near term, but in terms of the
10 town's ability to grow economically,
11 residentially, everything. So can you give me an
12 idea, something I can report back, as far as where
13 you are with that analysis of specifically the
14 gray water? I think that was the latest thing.

15 THE WITNESS (Rega): I guess probably
16 the easiest thing to do is, obviously, refer you
17 to what we submitted in the gray water analysis.
18 So certainly a lot of the details are in there.
19 We continue to do water analyses with the
20 wastewater treatment plant, and those are
21 scheduled about monthly. We continue to sort of
22 pick up analyses just to continue our knowledge of
23 what the quality of that water looks like coming
24 out of the Killingly wastewater treatment plant.

25 MR. HENDRICKS: Given the now existence

1 of, what was it, 28 or 29, the letter from
2 Connecticut Water, sort of being -- coming out
3 into much more concrete terms addressing the
4 future availability of water, which is something
5 we hadn't really seen before, has that affected
6 your analysis or your pursuit of the gray water
7 solution? Whereas, in my quick perusal of
8 Connecticut Water's letter, it looked as though
9 Connecticut Water was saying that, you know, a
10 project of this nature wasn't going to pose a
11 problem in terms of future water availability to
12 the area.

13 THE WITNESS (Mirabito): That's
14 correct. We've only recently got the letter
15 ourselves. We're still evaluating it. We might
16 have some questions for Connecticut Water. But it
17 does support the feedback we got previously, which
18 is that there's adequate supply.

19 MR. HENDRICKS: So your preference
20 would still be to use potable water as opposed
21 to --

22 THE WITNESS (Mirabito): Correct. We
23 still think that that's the preferable choice for
24 a number reasons that we outlined in that memo,
25 including benefits to the town, not just the

1 project. We think that there is, by connecting
2 those two systems, there's an increase in the
3 reliability of the overall system, and more
4 volume, more capacity, for future development; the
5 exact same concerns that were expressed in the
6 letter from the town council.

7 MR. HENDRICKS: So not the gray water,
8 but the interconnection of the Plainfield and
9 Killingly systems is still something that's --

10 THE WITNESS (Mirabito): Yes. We still
11 understand that that's going to be required, and
12 we're committing to, if that's the path forward,
13 we'll be proceeding with that and paying for that.

14 MR. HENDRICKS: I believe that's all I
15 have, sir.

16 THE CHAIRMAN: Thank you.

17 We still have another 15 minutes. So,
18 Sierra Club, will the grouped parties please come
19 up?

20 MR. BERMAN: Good afternoon. Josh
21 Berman on behalf of the Sierra Club. I think I
22 can get through my questions for the open session
23 in the 15 minutes we have before lunch.

24 My questions are largely directed to
25 Mr. Paterno. Good afternoon, Mr. Paterno. Do you

1 have a copy of your rebuttal testimony in front of
2 you?

3 THE WITNESS (Paterno): I do indeed.

4 MR. BERMAN: Great. Can you turn to
5 page 6 of your rebuttal testimony?

6 MR. BALDWIN: We are talking about the
7 redacted portion?

8 MR. BERMAN: Yes. The questions are
9 not confidential. There's no page numbering in
10 the unredacted version. I believe it's on page 6
11 of both, though.

12 THE WITNESS (Paterno): Okay.

13 MR. BERMAN: In particular, I'm looking
14 at the response to the question about how the
15 sloped demand curve differs from the vertical
16 demand curve. Is that on page 6 of the version
17 that you're looking at?

18 THE WITNESS (Paterno): Yes, I believe
19 on line 6 on that page.

20 MR. BERMAN: And you state that "ISO
21 New England transitioned away from the antiquated
22 vertical demand curve to the sloped demand curve
23 in recommendation that procuring capacity greater
24 than the net installed capacity requirement has
25 value, and improves the reliability of the

1 electric system while simultaneously decreasing
2 capacity clearing prices." Correct?

3 THE WITNESS (Paterno): Yes, that's
4 correct.

5 MR. BERMAN: Okay. And does the
6 transition from the vertical demand curve to the
7 sloped demand curve change the supply curve for
8 capacity?

9 THE WITNESS (Paterno): It could change
10 how much capacity clears, but does not change the
11 shape of that supply curve.

12 MR. BERMAN: Thank you. I'm hoping
13 that counsel and Mr. Paterno will humor me for a
14 second. I was hoping he could illustrate the
15 point that he articulated in that sentence. And I
16 brought an easel today so we can see it.

17 THE WITNESS (Paterno): I defer to you.
18 I've never had to illustrate this before in this
19 type of setting, but I certainly am able to.

20 MR. BERMAN: Sure. And this would be
21 largely combining figures 1 and 2, but adding the
22 supply curve. And I'm looking at the next page of
23 your testimony.

24 THE WITNESS (Paterno): You know,
25 without knowing the shape of the actual supply

1 curves in FCA 8 and 10, I don't know what we would
2 hope to accomplish with that exercise. Because
3 clearly the actual shapes used in the supply
4 curves in FCA 8 and 10 differ.

5 MR. BERMAN: Sure. Not to literally
6 layer these, but to put the net installed capacity
7 requirement on top of the downward sloping demand
8 curve that you illustrate in figure 1, and then to
9 illustrate with your preference of a supply curve
10 that clears capacity in excess of the net
11 installed capacity reserve. I'm just trying to
12 understand how it's possible that you can, by
13 procuring capacity in excess, actually lower
14 capacity prices. And so that's what I'm hoping
15 you'll illustrate.

16 MR. BALDWIN: I think we probably can
17 do that through a response to that question rather
18 than --

19 THE CHAIRMAN: Maybe we can, and maybe
20 we can't. Let's go ahead.

21 SENATOR MURPHY: Let's find out.

22 THE WITNESS (Paterno): Sure.

23 Absolutely.

24 MR. BERMAN: Thank you, Mr. Paterno.

25 THE WITNESS (Paterno): It's going to

1 be easiest if I just draw it.

2 MR. BERMAN: Okay. Is this an
3 appropriate location?

4 THE WITNESS (Paterno): Do you have a
5 couple of different colors of these?

6 THE CHAIRMAN: Get out your smartphones
7 and --

8 MR. BERMAN: Thank you, Mr. Paterno,
9 for humoring me.

10 MR. BALDWIN: Make sure we can hear
11 you.

12 THE WITNESS (Paterno): I'll do my
13 best. I failed art class. So if this looks bad,
14 I do apologize.

15 MR. BERMAN: We can work from your
16 figure 1.

17 MR. ASHTON: Just remember, we have a
18 stenotypist who's trying to make sense out of what
19 appears to be heading to the irrational because
20 there's no transcription available of it. I don't
21 know. Council, how nervous are you about this?

22 THE CHAIRMAN: I hope you're going to
23 be explaining what you're drawing.

24 MR. BALDWIN: I think we'll get enough
25 explanation. Then ultimately whatever is drawn

1 would have to be an exhibit in the record.

2 THE CHAIRMAN: Thank you.

3 MR. BERMAN: So thank you, Mr. Paterno.
4 So, Mr. Paterno, can you draw a downward sloping
5 demand curve?

6 THE WITNESS (Paterno): Sure. And I'll
7 use my example from figure 1 in my testimony,
8 which is the demand curve from FCA 10. I will
9 note, I'm likely not going to draw this exactly to
10 scale, so I would couch this as being illustrative
11 and not actual.

12 THE CHAIRMAN: Thank you.

13 THE WITNESS (Paterno): So I'm going to
14 start drawing the demand curve now. I've drawn
15 the y-axis; I've drawn the x-axis. The y-axis is
16 denoted by price, and dollars per kW month. The
17 x-axis is denoted by quantity in megawatts -- I'm
18 sorry, gigawatts.

19 MR. ASHTON: Are these the same curves
20 that are appearing on page 7 of the testimony?

21 THE WITNESS (Paterno): Yes, Mr.
22 Ashton. They are.

23 MR. ASHTON: Thank you.

24 MR. BERMAN: Thank you. And can you
25 please layer on top of that a vertical line at the

1 level of the net installed capacity requirement?

2 THE WITNESS (Paterno): From which
3 particular FCA would you like?

4 MR. BERMAN: For the same FCA that you
5 were -- so for FCA 10, if this is a curve that
6 represents FCA 10.

7 THE WITNESS (Paterno): Understood.

8 MR. BERMAN: Okay. And can you please
9 draw a supply curve -- you know, I recognize that
10 you don't know exactly, necessarily, what the
11 supply curve for FCA 10 may look like, but
12 something that you believe would be an appropriate
13 approximation of the supply curve for FCA 10. And
14 again, this is one that would, since FCA 10 did
15 clear capacity in excess of the net installed
16 capacity requirement, one that is going to clear
17 capacity greater than the net installed capacity
18 requirement.

19 MR. BALDWIN: And if you can't, say
20 that also.

21 THE WITNESS (Paterno): So it would be,
22 as I think about how to draw the supply curve and
23 superimpose it, what I pause at is that it wasn't
24 the way FCA 8 versus FCA 10 was conducted at the
25 end of the day. So, all else equal, as we think

1 about the FCA 10 pricing, it procured capacity in
2 excess of the NICR value here somewhere in this
3 range at the end of the day. That led to more
4 capacity being cleared, and all else equal, at a
5 lower price, because you have moved down on the
6 demand curve, all else equal.

7 MR. BERMAN: At a lower price than
8 what?

9 THE WITNESS (Paterno): Than what would
10 have been achieved if we had just cleared capacity
11 exactly equal to the NICR.

12 MR. BERMAN: Can you draw a supply
13 curve that would make that true, any supply curve
14 that has to meet the requirements of a supply
15 curve, and that it can't be downward sloping?

16 THE WITNESS (Paterno): The way that we
17 think about FCA 8, though, is if procuring a
18 single amount of capacity equal to the NICR based
19 on the vertical demand curve. As we transitioned
20 to FCA 10, there was an allowance for more
21 capacity to be cleared at a lower capacity price
22 and more megawatts.

23 MR. BERMAN: What I'm getting at is
24 lower than what? If --

25 THE WITNESS (Paterno): I'm sorry, yes.

1 My apologies, Mr. Berman. I didn't mean to cut
2 you off.

3 MR. BERMAN: I do believe it would be
4 helpful, and again, I'm happy to have it be any
5 supply curve you want, but I do believe it would
6 be helpful to draw a supply curve on top of these
7 two different -- on top of your demand curve and
8 on top of the line with the net installed capacity
9 requirement, because I am still not understanding
10 how installing capacity above the net installed
11 capacity requirement lowers capacity prices.

12 THE WITNESS (Paterno): Well, it's
13 simple. As we shift down the demand curve, we
14 procure more capacity, and economics tells us, as
15 we procure more of a particular resource, the
16 price decreases across that demand curve.

17 MR. BERMAN: Right. But as you
18 testified right at the beginning, my first
19 question, the supply curve is the supply curve.
20 The supply curve didn't change, correct?

21 THE WITNESS (Paterno): That's not what
22 I said. The supply curve was different between
23 FCAs 8 and 10.

24 MR. BERMAN: Sorry. The supply curve
25 for a given auction is what it is, correct, it's

1 not dependent on whether or not ISO New England
2 for that auction is using a vertical or a sloped
3 demand curve. Correct?

4 THE WITNESS (Paterno): That is
5 correct. But the amount of capacity that the ISO
6 is looking to purchase within a particular FCA is
7 dependent on the shape of that demand curve. And,
8 in particular, under the vertical demand curve,
9 all else equal, it is looking to purchase capacity
10 equal to the NICR.

11 MR. BERMAN: Right. And if, based on
12 what you've drawn, if ISO New England were to
13 procure capacity at the level of the net installed
14 capacity requirement, it would be at a price that
15 is less than, or equal to, the price that is going
16 to be the clearing price for capacity by clearing
17 a level above the net installed capacity
18 requirement. Correct?

19 THE WITNESS (Paterno): I don't think I
20 understood the question. Would you please repeat
21 it?

22 MR. BERMAN: Yes. I mean, it's up to
23 the Council to make him draw a supply curve. But
24 without the supply curve, I think it's a little
25 hard.

1 If the clearing price for capacity must
2 necessarily be at least as high -- if ISO New
3 England is clearing capacity in excess of the net
4 installed capacity requirement, then it's simply
5 clearing capacity at the level of the net
6 installed capacity requirement. Correct?

7 THE WITNESS (Paterno): I'm still not
8 following you.

9 MR. BERMAN: The shape of the supply
10 curve must be either flat or upward sloping in the
11 range of the demand curve that we are looking at.
12 Correct?

13 THE WITNESS (Paterno): Yes, yes. The
14 indicative supply curve in FCA 10, yes, should be
15 flat or upward sloping. Economics 101 tells you
16 you shouldn't have a downward sloping supply
17 curve.

18 MR. BERMAN: It would be a complicated
19 auction if that were the case.

20 The clearing price for capacity in this
21 hypothetical, which is clearing, we've
22 acknowledged, above the net installed capacity
23 requirement, must necessarily be -- the supply
24 curve must cross the downward sloping demand curve
25 at a level that is at least as high as where it

1 crosses the vertical line you drew at the net
2 installed capacity requirement. Correct?

3 THE WITNESS (Paterno): All else equal,
4 yes. However, my testimony, what I was trying to
5 illustrate, was the following. And if I could
6 humor the Council a little more with arts and
7 crafts for a second.

8 This is FCA 10 demand curves. Let's
9 say that's NICR. It's really not, but for
10 hypothetical purposes. The old way they looked at
11 the vertical demand curve is they basically said,
12 we need the NICR value, because that's the minimum
13 amount of reliability capacity we need to operate
14 the system. That results in this price. Let's
15 call it P1. You shift to the downward sloping
16 demand curve, and it enables you to procure
17 capacity in excess of the NICR because you have a
18 downward sloping curve.

19 Let's say in FCA 10 I believe we
20 cleared excess capacity above the NICR of
21 approximately 1,400 megawatts, give or take. So
22 let's say it's about that. Let's call that P2.
23 All my testimony was supposed to be saying is
24 basically that P1 is greater than P2, and that
25 there are lower capacity costs achievable with the

1 sloped demand curve, which did two things. One,
2 they lower wholesale electricity costs, because
3 you're lowering wholesale capacity prices; and
4 two, they're procuring incrementally more
5 megawatts than the NICR, which is making the
6 system more reliable because the LOLE, which is
7 the loss of load expectation, actually decreases
8 as you move further out from the NICR to the end
9 of the demand curve. In particular, the NICR is
10 about a 1-in-10 concept; LOLE is about 1-in-87 at
11 the end of the day.

12 MR. BERMAN: Just to be clear, it would
13 require two different supply curves to intersect
14 the demand curve in the two places that you've
15 drawn, correct?

16 THE WITNESS (Paterno): Well,
17 obviously, there is only one supply curve in the
18 auction.

19 MR. BERMAN: Correct. And that supply
20 curve must necessarily hit the net installed
21 capacity requirement vertical line at a level, at
22 a price that is lower than -- less than or equal
23 to the price that it hits the downward sloping
24 demand curve, if that auction clears more capacity
25 than is required, or more capacity than the net

1 installed capacity requirement. Correct?

2 THE WITNESS (Paterno): Could you draw
3 it? I'm having trouble visualizing?

4 MR. BERMAN: So the supply curve is
5 necessarily a -- it's a stepwise increasing curve.
6 Correct?

7 THE WITNESS (Paterno): In broad terms,
8 yes.

9 MR. BERMAN: And where it crosses the
10 antiquated vertical demand curve is necessary --
11 if you are clearing more capacity than the net
12 installed capacity requirement, where it crosses
13 the antiquated vertical demand curve is
14 necessarily at a price that is less than, or equal
15 to, the price that it is crossing the downward
16 sloping demand curve. Correct?

17 THE WITNESS (Paterno): Or it could be
18 at the same value, if this curve here was to
19 extend --

20 MR. BERMAN: Right. And I said "less
21 than or equal to," correct?

22 THE WITNESS (Paterno): That is
23 correct.

24 MR. BERMAN: Thank you. So by clearing
25 capacity in excess of a net installed capacity

1 requirement, the actual price per kilowatt month
2 is necessarily the same or higher than it would
3 have been if they had cleared capacity at exactly
4 the level of the net installed capacity
5 requirement. Correct?

6 THE WITNESS (Paterno): Assuming the
7 same supply curves, yes.

8 MR. BERMAN: Thank you, Mr. Paterno.

9 And under the downward sloped demand
10 curve, can ISO New England clear capacity in the
11 amount less than the net installed capacity
12 requirement?

13 THE WITNESS (Paterno): In theory, yes.

14 MR. BERMAN: Okay. And to date, that
15 has not happened?

16 THE WITNESS (Paterno): Under the
17 downward sloping demand curve, no. Under the
18 vertical supply curve -- demand curve, yes.

19 MR. BERMAN: Okay. I just have a
20 couple questions. Can you turn to page 3 of your
21 rebuttal testimony?

22 THE WITNESS (Paterno): Yes.

23 MR. BERMAN: Okay. This is kind of in
24 the summary section. I believe in the version I
25 have, lines 12 through 15, you state that

1 "Projects that enter the market with a power
2 purchase agreement, like most renewable
3 generation, transfer nearly all of the financial
4 risk to ratepayers, since the cost of the PPA is
5 typically passed onto ratepayers in their retail
6 electric rates." Is that correct?

7 THE WITNESS (Paterno): That is
8 correct.

9 MR. BERMAN: And renewables, like wind
10 and solar, have no fuel costs, correct?

11 THE WITNESS (Paterno): That is
12 correct, but they do sometimes have a variable
13 cost of operations.

14 MR. BERMAN: Sure. But there are fixed
15 price PPAs for wind and solar, correct?

16 THE WITNESS (Paterno): There are, and
17 I believe there's variable price PPAs as well. So
18 it's a little of both at the end of the day.

19 MR. BERMAN: And a fixed price
20 renewable PPA could actually serve as a hedge
21 against future energy price fluctuations. Is that
22 correct?

23 THE WITNESS (Paterno): Yes, it could.
24 And I would say that same benefit is not exclusive
25 to renewables with fixed price PPAs. It could

1 also be thermal generation with fixed price PPAs.

2 MR. BERMAN: Sure. Generally fixed
3 price PPAs could serve as a hedge against future
4 energy price fluctuations. Correct?

5 THE WITNESS (Paterno): It could serve
6 as a hedge; that's correct.

7 MR. BERMAN: And for a fixed price PPA,
8 the risk that is passed along to ratepayers is the
9 risk that the PPA price is above the price of
10 energy during the time frame of the PPA. Is that
11 correct?

12 THE WITNESS (Paterno): There are
13 several risks, but obviously that would be a key
14 one, yes.

15 MR. BERMAN: Okay. But it's possible
16 that the fixed price of the PPA is actually lower
17 than energy prices during some portion of the time
18 frame of the PPA. Correct?

19 THE WITNESS (Paterno): Yes. And
20 there's also a chance it could be higher as well.

21 MR. BERMAN: Correct. So it could be
22 lower or higher?

23 THE WITNESS (Paterno): It could be
24 lower or it could be higher. And depending on the
25 fixed price of that PPA and outlook as to future

1 electricity prices, that risk of higher or lower
2 is not symmetric; it could be asymmetric.

3 MR. BERMAN: Sure. In a grid that is
4 dominated by generation powered by a single fuel
5 type, which sets the marginal price the large
6 majority of the time, ratepayers bear the risk of
7 that fuel type increasing in price. Do they not?

8 THE WITNESS (Paterno): They do, that's
9 correct. But they also enjoy the benefits to the
10 extent that the fuel price decreases over time.

11 MR. BERMAN: Sure. And this may be a
12 little aside, but NTE's firm gas contract, does it
13 establish a fixed price for the gas during the
14 duration of the contract?

15 THE WITNESS (Paterno): I would defer
16 to Mr. Bradley.

17 THE WITNESS (Bradley): No, it does
18 not. It's a daily index price.

19 MR. BERMAN: Thank you. That's all I
20 wanted to ask until the closed session.

21 THE CHAIRMAN: Okay. We're going to
22 end this morning's open session, and that will be
23 continued on January -- the open cross-examination
24 will be continued, Tuesday, January 10th,
25 obviously, 2017, at 11 a.m. in this hearing room.

1 We're now going to break for lunch.
2 We're going to resume at 2, but 2 p.m. will be a
3 closed session for only those who have signed the
4 nondisclosure agreement. And the rest of you, I
5 guess, best wishes for the holidays.

6 (Whereupon, the witnesses were excused,
7 and the above proceedings adjourned at 1:05 p.m.)

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CERTIFICATE

I hereby certify that the foregoing 101 pages are a complete and accurate computer-aided transcription of my original stenotype notes taken of the Council Meeting in Re: DOCKET NO. 470, APPLICATION OF NTE CONNECTICUT, LLC FOR A CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY AND PUBLIC NEED FOR THE CONSTRUCTION, MAINTENANCE AND OPERATION OF A 550-MEGAWATT DUAL-FUEL COMBINED CYCLE ELECTRIC GENERATING FACILITY AND ASSOCIATED ELECTRICAL INTERCONNECTION SWITCHYARD LOCATED AT 180 AND 189 LAKE ROAD, KILLINGLY, CONNECTICUT, which was held before ROBERT STEIN, Chairman, at Ten Franklin Square, New Britain, Connecticut, on December 15, 2016.

Lisa L. Warner, L.S.R., 061
Court Reporter

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I N D E X

WITNESSES MARK MIRABITO

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TIM EVES

MICHAEL BRADLEY

CHRIS REGA

LYNN GRESOCK

FREDERICK SELLARS

NORM THIBEAULT

GEORGE LOGAN

ETHAN PATERNO

MASON SMITH

SCOTT HESKETH

JAMES WALSH

KEVIN FOWLER

EXAMINERS:

Mr. Baldwin

Mr. Hendricks

Mr. Stopper

Mr. Hannon

Mr. Silvestri

Mr. Ashton

Mr. Berman

1 I N D E X (Cont'd)

2

3

APPLICANT'S EXHIBITS

4

(Received in evidence)

5

EXHIBIT DESCRIPTION PAGE

6

21 NTE's response to Council's 597

7

November 7, 2016 memorandum regarding

8

Late-Filed exhibits, dated

9

November 28, 2016

10

22 NTE's response to Council's 597

11

November 7, 2016 memorandum regarding

12

Late-Filed exhibit Gray Water Usage,

13

dated December 1, 2016

14

23 NTE's supplemental response to 597

15

Council's November 16, 2016 memorandum

16

regarding Late-Filed exhibits, dated

17

December 8, 2016

18

24 NTE's redacted rebuttal testimony 597

19

of Ethan Paterno, dated December 8, 2016

20

25 NTE's unredacted rebuttal testimony 597

21

of Ethan Paterno (subject to protective

22

order, dated November 3, 2016), dated

23

December 8, 2016

24

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1 I N D E X (Cont'd)

2

3 26 NTE's rebuttal testimony of Michael 597
4 Bradley, dated December 8, 2016

5 27 NTE's supplemental response to CSC 597
6 interrogatory 59, dated December 8, 2016

7 28 Letter from CWC, dated December 597
8 14, 2016

9 29 Final environmental justice summary 597
10 report submitted to Edith

11 Pestana at DEEP

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