



Transcript of the Hearing of

**Date:** January 15, 2015

**Volume:** I

**Case:** SITING COUNCIL - DOCKET 192B - COUNCIL MEETING

Printed On: January 31, 2015

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STATE OF CONNECTICUT  
CONNECTICUT SITING COUNCIL

Docket No. 192B

CPV Towantic, LLC, Motion to Reopen and  
Modify the June 23, 1999,  
Certificate of Environmental Compatibility  
and Public Need Based on Changed Conditions  
Pursuant to Connecticut General Statutes  
4-181a(b) for the Construction, Maintenance  
and Operation of a 785 MW Dual-Fuel Combined  
Cycle Electric Generating Facility  
Located North of the Prokop Road and Towantic  
Hill Road Intersection in the  
Town of Oxford, Connecticut

Council Meeting held at the Oxford High  
School Auditorium, 61 Quaker Farms Road,  
Oxford, Connecticut, Thursday, January 15,  
2015, beginning at 3:05 p.m.

H e l d   B e f o r e:

ROBERT STEIN, Chairman

SITING COUNCIL - DOCKET 192B - COUNCIL MEETING  
January 15, 2015

<p style="text-align: right;">Page 2</p> <p>1       A p p e a r a n c e s: 2        Council Members: 3            SENATOR JAMES J. MURPHY, JR., 4            Vice Chairperson 5            DR. BARBARA C. BELL 6            LARRY LEVESQUE, PURA Designee 7            ROBERT HANNON, DEEP Designee 8            PHILIP ASHTON 9 10        Council Staff: 11            MELANIE BACHMAN, ESQ., 12            Executive Director and 13            Staff Attorney 14            MICHAEL PERRONE 15            Siting Analyst 16            FRED CUNLIFFE 17            Supervising Siting Analyst 18 19        For CPV Towantic, LLC: 20            BROWN RUDNICK, LLP 21            185 Asylum Street 22            Hartford, Connecticut 06103 23            (860) 509-6500 24            By: PHILIP M. SMALL, ESQ. 25            FRANCA L. DeROSA, ESQ.</p>	<p style="text-align: right;">Page 4</p> <p>1        for the construction, maintenance and 2        operation of a 785-megawatt dual fuel 3        combined cycle electric generating facility 4        located north of Prokop Road and Towantic 5        Hill Road intersection in the town of Oxford, 6        Connecticut. 7            On November 13, 2014, the 8        Council, pursuant to a request filed by CPV 9        Towantic and the provision of the Connecticut 10       General Statutes Section 4-181a, Subsection 11       (B), reopened the final decision rendered in 12       this docket. 13            On June 23, 1999, the Council 14       had considered and approved granting a 15       certificate to CPV Towantic, LLC, 16       predecessor, for the construction, 17       maintenance and operation of a 512-megawatt 18       natural gas-fired combined cycle facility at 19       the same location in the Town of Oxford. On 20       March 1st of 2001, the Council considered and 21       approved final site plans for this facility. 22       The certificate for the facility is scheduled 23       to expire on June 1, 2016. 24            As a reminder to all, 25       off-the-record communication with a member of</p>
<p style="text-align: right;">Page 3</p> <p>1            THE CHAIRMAN: Good afternoon, 2       ladies and gentlemen. I'd like to call to 3       order the meeting of the Connecticut Siting 4       Council, today, December -- I'm sorry -- 5       January 15, 2015, approximately 3:05. 6            My name is Robin Stein. I'm 7       Chairman of the Connecticut Siting Council. 8       Other members of the Council president -- 9       present are Senator James Murphy, Vice 10       Chairman; Mr. Hannon, designee from the 11       Department of Energy and Environmental 12       Protection; Mr. Levesque, designee from the 13       Public Utilities Regulatory Agent -- 14       Authority; Dr. Bell; Mr. -- and Mr. Ashton. 15            Members of the staff present 16       are Attorney Bachman, our executive director; 17       Mr. Perone, our siting analyst; and Mr. 18       Cunliffe, our supervising siting analyst. 19            This hearing is held pursuant 20       to the provisions of Title 16 of the 21       Connecticut General Statutes and of the 22       Uniform Administrative Procedure Act upon a 23       motion to reopen the final decision on the 24       certificate of environmental compatibility 25       and public need held by CPV Towantic, LLC,</p>	<p style="text-align: right;">Page 5</p> <p>1       the Council or a member of the Council's 2       staff upon the merits of this application is 3       prohibited by law. 4            The parties and intervenors to 5       the proceedings are as follows: The 6       certificate holder is CPV Towantic, LLC; 7       Party, J. Halperin; Intervenor, the Town of 8       Middlebury; Intervenor, Connecticut Light &amp; 9       Power Company; Party, Town of Oxford; Party, 10       Naugatuck Valley Chapter Trout Unlimited; 11       Intervenor, Town of Southbury; Party, the 12       Pomperaug River Watershed Coalition; and, 13       Intervenor, Raymond Pietrorazio; Intervenor, 14       GE Energy Financial Services; Intervenor, 15       Borough of Naugatuck and the Borough of 16       Naugatuck Water Pollution Control Authority; 17       Intervenor, Wayne McCormack; Intervenor, 18       Naugatuck River Revival Group, Inc; 19       Intervenor, Westover Hills Subdivision 20       Homeowners; Intervenor, Westover School; 21       Intervenor, Marian Larkin and Greenfields, 22       LLC; Intervenor, Lake Quassapaug Association, 23       LLC; Intervenor, Middlebury Land Trust, Inc. 24            We will proceed in accordance 25       with the prepared agenda, copies of which are</p>

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1 available in the back there where those two  
2 people are standing at the moment. Also  
3 available are the copies of the Council's  
4 Citizen Guide to Siting Council Procedures.  
5 At the end of this afternoon's  
6 session, we will recess and resume again at  
7 6:30 p.m. The 6:30 p.m. hearing session, it  
8 will be reserved for public to make brief  
9 oral statements into the record. Please be  
10 advised that pursuant to Section 16-50j-15(b)  
11 of the regulations of the Connecticut state  
12 agencies, any party or intervenor and their  
13 witnesses, including those that are members  
14 of nonprofit corporations or citizens groups  
15 that have attained party status or intervenor  
16 status in the proceedings, are deemed to be  
17 represented in the proceedings and may not  
18 submit oral or written statements into the  
19 record during the public comment session.  
20 That session is for those who are not  
21 represented in the party or intervenor  
22 process.  
23 I also wish to note for those  
24 who are here and for the benefit of your  
25 friends and neighbors who are unable to join

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1 us for the public comment session that you or  
2 they may send written statements to the  
3 Council within 30 days of the close of the  
4 evidentiary hearing record, and such written  
5 statements will be given the same weight as  
6 if spoken at the hearing.  
7 A verbatim transcript will be  
8 made of the hearing and deposited with the  
9 Town Clerks Offices in Oxford and Middlebury  
10 for the convenience of the public.  
11 So first, we'd like to permit  
12 statements by public officials. I'd like to  
13 start with the First Selectman of Oxford,  
14 Mr. Temple.  
15 Please come to the podium.  
16 Thank you.  
17 GEORGE TEMPLE: Good  
18 afternoon, everyone. On behalf of the Town  
19 of Oxford, I'd like to welcome your Council  
20 to our town. Today you are faced with a  
21 decision which will have a profound effect on  
22 our town, our state, and our region for many  
23 years to come.  
24 I have the unique perspective  
25 of having been involved in the approval

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1 process of this facility from the outset. I  
2 was town attorney when the idea of a power  
3 plant was first brought to the Town. When we  
4 met with the developer, it was found that the  
5 Algonquin gas line and the power grid  
6 intersected in Oxford at the site located at  
7 Woodruff Hill, the site that you walked this  
8 afternoon, Woodruff -- Woodruff Hill Road.  
9 This, of course, was  
10 considered an ideal site. It was later  
11 discovered that the Town owned the property  
12 at that location. In order to proceed with  
13 the project, the Town had to sell the land to  
14 Towantic Energy. Under our town charter, we  
15 had to sell the land at a referendum after a  
16 town meeting. The process was not without  
17 controversy, and the issue was hotly debated.  
18 The final result was that the  
19 Town approved the sale and the application  
20 was approved by all town land-use boards, and  
21 of course, Connecticut Siting. The project  
22 was also approved by Connecticut DEP -- at  
23 the time it was DEP -- and the USFAA.  
24 I recite this brief history to  
25 illustrate that the controversial nature of

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1 this application is not new, nor are the  
2 arguments for and against this application.  
3 I have heard them in many forums. I don't  
4 dismiss them, nor do I denigrate the good  
5 people who raised questions as to the wisdom  
6 of approving this application. I just  
7 approach this matter in a wholly pragmatic  
8 manner.  
9 The power plant proposed to  
10 you today is much more efficient than that  
11 which was approved 13 years ago. It will --  
12 it will use less water, take up less space,  
13 produce more electricity, and leave a smaller  
14 carbon footprint. It also has the additional  
15 benefit of adding more tax revenue to the  
16 town and having a greater financial impact on  
17 the region.  
18 I have spent hundreds of hours  
19 in hearings and meetings relative to this  
20 power plant. I have researched environmental  
21 issues and have had discussions with other  
22 mayors and selectmen, both in this region and  
23 in New York and New Jersey, where similar gas  
24 plants, power plants are located.  
25 I visited gas-fired power

3 (Pages 6 to 9)

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1 plants and observed the routine operation. I  
2 have come away with the appreciation of the  
3 professionalism of CPV and the strict safety  
4 restrictions already in place. The plants  
5 are clean, well run, and ever vigilant to  
6 ensure compliance with environmental  
7 requirements.  
8 I want to thank you for this  
9 opportunity that you have given me to address  
10 this Council.  
11 THE CHAIRMAN: Thank you also.  
12 Representative Labriola.  
13 REP. DAVID LABRIOLA: Good  
14 afternoon. My name is David Labriola, and  
15 I'm the State Representative for the 131st  
16 District, which includes Oxford, Naugatuck  
17 and Southbury. Thank you for holding this  
18 public hearing here at Oxford High School.  
19 It's clear that construction  
20 of the power plant will create jobs and will  
21 provide much needed tax revenue to the Town  
22 of Oxford. For the record, I wish to voice  
23 the concerns of numerous constituents, and of  
24 my neighbors, as I live only a few miles away  
25 from the proposed site on Rigg Street here in

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1 Oxford.  
2 The vast majority of people  
3 who have sent me e-mails, letters, and phone  
4 messages have expressed concern for the  
5 effects upon the environment from this  
6 proposed power plant, namely, the detrimental  
7 consequences upon the air and water quality.  
8 Many constituents have also cited the FAA's  
9 warning that the proposed plant could  
10 constitute a danger to aircraft flying to or  
11 from the Oxford Airport.  
12 Over the past several years,  
13 even with respect to the proposed smaller  
14 facility, I have consistently said, and I  
15 repeat today, that this power plant needs to  
16 be safe environmentally and safe physically  
17 with respect to airplane traffic.  
18 As you weigh the economic  
19 benefits for the Town of Oxford and the  
20 region as a whole, I ask that you also take  
21 into consideration the objections regarding  
22 potential environmental and safety hazards  
23 posed by the power plant.  
24 Thank you for your time and  
25 for your attention.

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1 THE CHAIRMAN: Thank you very  
2 much.  
3 Representative Rebimbas. No?  
4 Is there any other -- are  
5 there any other elected officials that would  
6 like to speak at this time?  
7 (No response.)  
8 THE CHAIRMAN: Okay. We have  
9 a series of motions. We have additional  
10 request for an intervenor status. The first  
11 one is from the Quassy Amusement Park that  
12 requests intervenor status.  
13 Do I have a motion?  
14 MR. ASHTON: So moved.  
15 DR. BELL: Second.  
16 THE CHAIRMAN: The motion is  
17 seconded. All those in favor signify by  
18 saying aye.  
19 THE COUNCIL: Aye.  
20 THE CHAIRMAN: Opposed?  
21 Abstentions?  
22 The motion carries.  
23 I also have a request to make  
24 the Middlebury Bridle Land Association an  
25 intervenor.

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1 MR. ASHTON: Move approval.  
2 DR. BELL: Second.  
3 THE CHAIRMAN: Okay.  
4 All those in favor -- and  
5 staff recommends grouping them with the  
6 Pomperaug River Watershed Coalition.  
7 Okay. Motion is seconded.  
8 All those in favor signify by  
9 saying aye.  
10 THE COUNCIL: Aye.  
11 THE CHAIRMAN: Opposed?  
12 Abstentions?  
13 The motion carried.  
14 I have a motion, also a  
15 request to make Dennis Kocyla -- I apologize  
16 if I mispronounced it -- intervenor. And our  
17 staff recommends also grouping him with the  
18 Pomperaug River Watershed Coalition Group.  
19 MR. ASHTON: Move it.  
20 DR. BELL: Second.  
21 THE CHAIRMAN: I have a motion  
22 and second.  
23 All those in favor signify by  
24 saying aye.  
25 THE COUNCIL: Aye.

4 (Pages 10 to 13)

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1 THE CHAIRMAN: Opposed?  
2 Abstentions?  
3 The motion carries.  
4 I have a request to make  
5 Naugatuck Valley Audubon Society an  
6 intervenor in the proceedings. And, again,  
7 staff recommends grouping them with the  
8 Pomperaug River Watershed Coalition.  
9 MR. ASHTON: Move it.  
10 DR. BELL: Second.  
11 THE CHAIRMAN: I have a motion  
12 and second.  
13 All those in favor signify by  
14 saying aye.  
15 THE COUNCIL: Aye.  
16 THE CHAIRMAN: Opposed?  
17 Abstentions?  
18 The motion carries.  
19 And I have a request to make  
20 the Oxford Flying Club an intervenor in the  
21 proceedings. Is there a motion?  
22 MR. ASHTON: So moved.  
23 DR. BELL: Second.  
24 THE CHAIRMAN: A second.  
25 All those in favor signify by

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1 saying aye.  
2 THE COUNCIL: Aye.  
3 THE CHAIRMAN: Opposed?  
4 Abstentions?  
5 The motion carries.  
6 Okay. We -- we have an  
7 objection from CPV Towantic.  
8 On January 13, 2015, CPV  
9 Towantic submitted an objection to the  
10 exhibit filed by Intervenor McCormack of the  
11 Stop Towantic Power Petition on the basis  
12 that Mr. McCormack represents himself and not  
13 the group, Stop Towantic Power, in the  
14 proceedings.  
15 Furthermore, TPV Towantic  
16 objects to the petition being admitted into  
17 the evidentiary record because it contains no  
18 factual information and constitutes comments  
19 by individuals.  
20 CPV Towantic requests the  
21 Council not to admit the petition into the  
22 evidentiary record, but instead treat the  
23 petition as public comment and preclude any  
24 of the of the signatories to the petition  
25 from submitting additional public comment

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1 during the 6:30 p.m. public comment session.  
2 I'll ask our executive  
3 director to comment on this, please.  
4 MS. BACHMAN: Thank you,  
5 Mr. Chairman.  
6 Is Mr. McCormack here?  
7 Would you like to make some  
8 comments, Mr. McCormack, on it? We'd like to  
9 hear your comments on the motion, please.  
10 MR. McCORMACK: Good  
11 afternoon. My name is Ray McCormack, and I  
12 live in Oxford.  
13 I was a little puzzled by the  
14 objection. I don't understand the linkage to  
15 the submission to the Stop Towantic Power. I  
16 did submit it as an individual, and I -- I  
17 don't understand why I can't.  
18 THE CHAIRMAN: Do we have a --  
19 yes.  
20 MR. SMALL: First Rep. hearing  
21 for the petitioner in this case, Philip Small  
22 and Franca DeRosa from Brown & Rudnick.  
23 Just very briefly on this  
24 motion. Mr. McCormack, if we understand it,  
25 is, according to press reports at least, a

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1 leader of the Stop Towantic Power Plant.  
2 The -- that group has been -- and has been,  
3 and the media, again, has been heavily  
4 involved in their activities; however, he  
5 chose to intervene as an individual. As a  
6 result, he can provide individual views. He  
7 doesn't have the right to -- first, he does  
8 have the right to speak on behalf of that  
9 group, which is what filed -- to us, filing  
10 that petition would be.  
11 Secondly, the petition simply  
12 isn't evidence. It's people's views on it,  
13 and it is in the nature of public comment.  
14 It provides no evidentiary information that  
15 belongs in the Council's evidentiary hearing  
16 record. It really is public comment.  
17 And the other piece, it's just  
18 in accord -- the request to -- if -- if it is  
19 admitted into the public comment portion of  
20 the Council's record that, in -- in line with  
21 the Council's long-standing practice, people  
22 only get one bite of the apple in the public  
23 comment session and shouldn't be able to  
24 vote -- comment -- and -- and many of the  
25 people not only sign their names to the

5 (Pages 14 to 17)

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1 petition, they also provided comment as well.  
2 They should not be given two bites of the  
3 apple, so that's why we filed that motion.

4 MR. McCORMACK: I still don't  
5 understand the linkage to the Stop Towantic  
6 Power.

7 THE CHAIRMAN: Again, I'll ask  
8 our executive director to, hopefully, clarify  
9 that for you, sir.

10 MR. McCORMACK: Thank you.

11 MS. BACHMAN: Mr. Rickards  
12 (sic), the petition that was submitted was  
13 signed by Mr. Joshua Rickards. Certainly, if  
14 this were admitted as an evidentiary exhibit  
15 for your case, Mr. Rickards would be required  
16 to appear as the sponsoring witness and  
17 verify that he initiated that petition.

18 Is that the plan, to have him  
19 be a witness for your case?

20 MR. McCORMACK: He would like  
21 to be. He could not be here today because of  
22 his job requirements.

23 MS. BACHMAN: Okay.

24 Considering that Mr. Rickards  
25 would be available as a witness at the time

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1 this will not be the last meeting we'll be  
2 holding, so there will be other  
3 opportunities.

4 SENATOR MURPHY: How about if  
5 I moved to postpone the objection until such  
6 time as he puts on his case, at which time he  
7 can come forward with his witness, and you  
8 can hear it then.

9 MR. ASHTON: I'll second it.

10 SENATOR MURPHY: And if the  
11 witness doesn't show up, it's moot.

12 (Pause.)

13 THE CHAIRMAN: Okay.

14 The question I'm going to ask  
15 our Council -- we have a motion. Did we get  
16 a second?

17 DR. BELL: Yes.

18 THE CHAIRMAN: Oh, okay.

19 The -- the second -- the second part of -- of  
20 this, which is -- I'm sure is very important  
21 to the people who have -- have signed the  
22 petition. We are going to hold a public  
23 hearing this evening. And as I stated  
24 previously, if you are represented by -- as a  
25 part of an intervenor, the intervenor speaks

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1 that Mr. McCormick's case is presented, I  
2 think I may recommend, Mr. Chairman, that  
3 this objection be denied.

4 SENATOR MURPHY: Be denied  
5 temporarily, Mr. Chairman.

6 MR. SMALL: Mr. Chairman.

7 THE CHAIRMAN: Yes?

8 MR. SMALL: And we're -- just  
9 one more -- may I -- just have one -- one  
10 point which is we don't -- when and if Mr.  
11 Rickards appears and he verifies the  
12 petition, we still don't believe it has  
13 evidentiary value. We would like to reserve  
14 the right to object to its admissibility at  
15 that point as, you know, as admissible  
16 evidence, if that's consistent with Council's  
17 ruling.

18 THE CHAIRMAN: Yes. So at the  
19 moment, I'll ask -- I'll ask for a motion to  
20 deny the objection, and we'll take that up --  
21 question at a subsequent meeting.

22 And, of course, if your  
23 witness does not show up, that obviously will  
24 be -- we'll also take that up, but hopefully  
25 since, as I think everybody should be aware,

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1 on behalf of you, which would presumably be  
2 you and your witness, but the people who have  
3 signed the petition, then, would not be able  
4 to speak at the public hearing. Are -- do  
5 you understand that?

6 MR. McCORMACK: I do now. And  
7 under those circumstances, I'd like to  
8 withdraw the petition.

9 THE CHAIRMAN: Okay. So  
10 accept -- do -- do you have any problem with  
11 that?

12 MR. SMALL: No, Mr. Chairman.  
13 That's a reasonable approach.

14 THE CHAIRMAN: Okay.

15 So we -- we accept your  
16 withdrawal of the petition and -- to be  
17 intervenor.

18 MR. McCORMACK: Thank you,  
19 Mr. Chairman.

20 THE CHAIRMAN: Thank you.

21 We also have a motion which,  
22 apparently, we received that -- earlier --  
23 earlier today, from the Town of Middlebury  
24 for a continuance of the hearing. I'm not  
25 sure if they understand that the hearing is

6 (Pages 18 to 21)

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1 not going to be closed by any stretch of  
2 anybody's imagination this -- today. They'll  
3 be -- it will be continued, and we'll talk  
4 about that at the end about our next hearing  
5 date and probably into sometime in the  
6 future, so there will be ample time, plus my  
7 understanding that the Town of Middlebury was  
8 informed from the beginning about this  
9 process. But before I ask for a motion, I'll  
10 ask our -- our counsel and executive director  
11 to comment.

12 MS. BACHMAN: Thank you,  
13 Mr. Chairman.

14 The motion for a continuance  
15 was filed by the Town of Middlebury at 12:45  
16 today. Certainly, the council members  
17 sitting up at this table do not have a hard  
18 copy of that motion.

19 I don't believe that the  
20 applicant or any of the other parties or  
21 intervenors to this proceeding have a hard  
22 copy of that motion at this time; however,  
23 the contents of the motion are that the Town  
24 of Middlebury contends that they would be  
25 prejudiced if we don't continue the hearing

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1 THE COUNCIL: Aye.  
2 THE CHAIRMAN: Opposed?  
3 Abstention?  
4 The motion carries.  
5 I wish to call your attention  
6 to those items shown on the hearing program  
7 marked as Roman Numeral I-D, Items 1 through  
8 70.

9 Does the certificate holder or  
10 any party intervenor have any objection to  
11 the items that the Council has  
12 administratively noticed?

13 MR. SMALL: No objections by  
14 the certificate holder, Mr. Chairman.

15 THE CHAIRMAN: Accordingly,  
16 the Council hereby administratively notices  
17 these existing documents, statements and  
18 comments.

19 We'll now go to the appearance  
20 of the Applicant, CPV Towantic, LLC. Would  
21 you please present your panel.

22 MR. SMALL: Absolutely.  
23 Again, for the record, Philip  
24 Small and Franca DeRosa for the Applicant,  
25 CPV Towantic, LLC.

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1 for 60 days so they will be able to prepare  
2 their case and retain experts.

3 As the Chairman previously  
4 stated, we will be having several public  
5 hearings in this proceeding, and certainly,  
6 we will not get to party and the intervenor  
7 appearances until -- as early as the end of  
8 February. Certainly, we will be scheduling  
9 further public hearings in March and April.  
10 And there doesn't seem to be any prejudice  
11 here considering we will be giving more  
12 deadlines for pre-filed testimony and  
13 interrogatories and responses to  
14 interrogatories as the hearings progress.

15 So therefore, Mr. Chairman, I  
16 would recommend that that motion be denied.

17 SENATOR MURPHY: I'll move to  
18 deny to motion of the continuance for the  
19 Town of Middlebury.

20 MR. ASHTON: Second.

21 THE CHAIRMAN: Okay. I have a  
22 motion and a second.

23 Any additional discussion?

24 All those in favor signify by  
25 saying aye.

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1 Our witness panel, with the  
2 exception of Ms. DeRosa, is to my right, to  
3 my left. They can be sworn, and then I can  
4 have them each identify themselves.

5 THE CHAIRMAN: Can we please  
6 please rise and be sworn -- sworn in.  
7 DANIELLE S. POWERS,  
8 ANDREW J. BAZINET,  
9 D. LYNN GRESOCK,  
10 FREDERICK M. SELLARS,  
11 CURTIS C. JONES,  
12 called as witnesses, being first duly  
13 sworn by the Executive Director, were  
14 examined and testified on their oaths as  
15 follows:

16 MR. SMALL: Now, starting from  
17 my left, Ms. Powers, would each member of the  
18 panel introduce themselves and state their  
19 title and affiliation.

20 THE WITNESS (Powers):  
21 Danielle Powers. I am with Concentric Energy  
22 Advisors.

23 THE WITNESS (Bazinet): Andy  
24 Bazinet, director of development for  
25 Competitive Power Ventures.

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1 THE WITNESS (Gresock): Lynn  
2 Gresock from Tetra Tech. We're the lead  
3 environmental consultants.  
4 MR. SMALL: And your title.  
5 THE WITNESS (Gresock): Vice  
6 president.  
7 THE WITNESS (Sellars):  
8 Frederick Sellars, vice president, Tetra  
9 Tech, environmental consultant.  
10 THE WITNESS (Jones): Curt  
11 Jones, president, Civil 1, site civil  
12 engineers.  
13 MR. SMALL: And starting off  
14 with Mr. Bazinet, are you familiar with the  
15 petition filed by CPV Towantic, LLC, with the  
16 Council entitled "Motion to Reopen and Modify  
17 the Connecticut Siting Council, June 23,  
18 1999, Issuance of Certificate of  
19 Environmental Compatibility and Public Need,"  
20 dated November 3, 2014?  
21 THE WITNESS (Bazinet): Yes, I  
22 am.  
23 MR. SMALL: And with respect  
24 to the petition itself, not the exhibits,  
25 have you reviewed the factual statements in

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1 So what we're going to suggest  
2 is we'll file -- we could file a number of --  
3 either as late-filed exhibits or as  
4 additional exhibits well prior to the next  
5 hearing. What would -- what would your  
6 preference be?  
7 THE CHAIRMAN: Yeah. If you  
8 could file before the next hearing, that will  
9 be acceptable. Thank you.  
10 MR. SMALL: And that will  
11 be -- Mr. Bazinet and others are going to  
12 describe some other changes, and we'll do the  
13 same on the whole set of documents, the whole  
14 set of topics. Thank you.  
15 And, Mr. -- and, Mr. Bazinet,  
16 in addition to the petition, your -- your  
17 name is listed as a witness for a number of  
18 responses to interrogatories, both from the  
19 Connecticut Siting Council and from parties  
20 and intervenors. Is that correct?  
21 THE WITNESS (Bazinet): That  
22 is correct.  
23 MR. SMALL: Do you have any  
24 change -- and those were prepared by you or  
25 under your direction?

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1 that petition?  
2 THE WITNESS (Bazinet): I  
3 have.  
4 MR. SMALL: And do you have  
5 any corrections or changes to the facts or  
6 statements in that petition?  
7 THE WITNESS (Bazinet): I do.  
8 MR. SMALL: Okay. Would you  
9 please state those?  
10 THE WITNESS (Bazinet): In  
11 Section 4A of the petition the value should  
12 be 5.4 percent, page 11.  
13 MR. SMALL: Any other changes?  
14 THE WITNESS (Bazinet):  
15 Section 4D, page 13, there's been a  
16 significant amount of progress on our FAA  
17 review since this was filed, and we'd like to  
18 submit those documents as late-filed  
19 exhibits.  
20 MR. SMALL: All right. There  
21 have been -- just to clarify, not only since  
22 the petition, but even since we filed  
23 interrogatory responses with respect to the  
24 Council interrogatories and the party  
25 interrogatories.

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1 THE WITNESS (Bazinet): Yes.  
2 MR. SMALL: And do have any  
3 changes or corrections to any of those?  
4 THE WITNESS (Bazinet): One  
5 correction to Connecticut Siting Council  
6 Interrogatory Number 10. The footnote  
7 references the air-cooled condenser -- I  
8 believe Footnote Number 2 -- and that should  
9 actually read "Admin building," the one by  
10 Footnote Number 1.  
11 MR. SMALL: So at the -- at  
12 the end of Footnote Number 1, Mr. Bazinet, am  
13 I correct, that air-cooled condenser would be  
14 changed to administration building?  
15 THE WITNESS (Bazinet): That  
16 is correct.  
17 MR. SMALL: Thank you.  
18 And also, as you know,  
19 Mr. Bazinet, Mr. Gustafson, who is one of the  
20 witnesses was not available today. Are you  
21 familiar with his responses to  
22 interrogatories?  
23 THE WITNESS (Bazinet): Yes, I  
24 am.  
25 MR. SMALL: And are those true

8 (Pages 26 to 29)

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1 and correct, to the best of your knowledge  
2 and belief, as well?  
3 THE WITNESS (Bazinet): Yes,  
4 they are.  
5 MR. SMALL: Thank you.  
6 And with respect to each of  
7 the items we discussed, would you adopt those  
8 as your testimony here today?  
9 THE WITNESS (Bazinet): Yes, I  
10 will.  
11 MR. SMALL: Thank you.  
12 Ms. Gresock, am I correct that  
13 you were the -- primarily responsible for  
14 Exhibit 1, to the November 3, 2014, petition.  
15 THE WITNESS (Gresock): Yes,  
16 it was prepared by me and under my direction.  
17 MR. SMALL: Okay. Thank you.  
18 And do you have any changes,  
19 corrections or updates to Exhibit 1?  
20 THE WITNESS (Bazinet): Yes,  
21 there -- there are a number of different  
22 changes.  
23 MR. SMALL: Please walk us  
24 through those.  
25 THE WITNESS (Bazinet): Sure.

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1 In Section 2.1.2, the value  
2 6.5 percent should be 5.4 percent.  
3 In Sections 2.3, 3.5 and  
4 4.1.6, there are, on pages 9, 19 and 37,  
5 there are relevant updates to the FAA process  
6 that the Applicant has undertaken that will  
7 be included in the documents referenced  
8 earlier as an update to the petition.  
9 In Sections 3.2.3, 4.1.2.3 and  
10 4.1.3, there's been progress on our  
11 application for an Army Corps of Engineer  
12 Category 2 application. And the ultimate  
13 disposition of the mitigation for impacts to  
14 wetlands that we also filed as later  
15 exhibits, the -- the nature of the progress  
16 is really to the mitigation of using wet  
17 ponds as opposed to dry storm water ponds and  
18 also using the Connecticut In-Lieu Fee  
19 Program as a mitigation tool.  
20 Additionally, since that time  
21 we've received approval to tie in -- tie  
22 into the town's storm water collection system  
23 and water for industrial parks and we -- we  
24 provide in the letter evidencing that.  
25 In Section 3.4, we've received

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1 a letter related to the wastewater discharge  
2 permit as of yesterday, which we believe is  
3 the final step in the process. There will be  
4 additional changes to the tables in the  
5 permit, but the letter itself will be  
6 submitted.  
7 And then, Section 4.1.2.1, the  
8 values in that paragraph, as well as the  
9 Figure 5 water balance, have been updated.  
10 We should provide the water balance for a  
11 reference, but I'll -- read each of the  
12 letters, and we'll correct the values in  
13 that -- in that paragraph, as well,  
14 consistent with the updated water balance.  
15 Also, the paragraph references  
16 the discussions with Heritage Village Water,  
17 which were still ongoing at that point in  
18 time. Since that time, we've received a  
19 commitment letter from Heritage Village  
20 Water.  
21 MR. SMALL: And that updated  
22 letter, by the way, is in one of our  
23 interrogatory responses to, I believe,  
24 Pomperaug.  
25 THE WITNESS (Bazinet): And

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1 that is it.  
2 MR. SMALL: Okay. Thank you.  
3 And with -- additionally,  
4 Ms. Gresock, there were a number of  
5 interrogatories that you were listed as the  
6 responsible witness for the response.  
7 Do you have any changes or  
8 corrections or updates to those?  
9 THE WITNESS (Gresock): Only  
10 the correction that Andy addressed, that is  
11 to CSE 10.  
12 MR. SMALL: Okay. Thank you.  
13 And with the changes that  
14 you've described and that Mr. Bazinet have  
15 described, do you adopt both Exhibit 1 to the  
16 petition and the interrogatories that list  
17 you as a responsible witness as your  
18 testimony today?  
19 THE WITNESS (Gresock): I do.  
20 MR. SMALL: And they are true  
21 and correct, to the best of your knowledge  
22 and belief?  
23 THE WITNESS (Gresock): They  
24 are.  
25 MR. SMALL: Thank you.

9 (Pages 30 to 33)

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1 Ms. Powers, am I correct that  
2 you were the responsible -- you were the --  
3 primarily responsible for Exhibit 2 to -- to  
4 the petition, the "New England Wholesale  
5 Power Market Changes, 1999 to Present"?  
6 THE WITNESS (Powers): Yes.  
7 MR. SMALL: Do you have any  
8 changes or corrections or updates to that?  
9 THE WITNESS (Powers): A  
10 couple of changes.  
11 Figure 21, on page 42, should  
12 have -- there's a label missing on that. It  
13 should be FO6, in addition to the gas at  
14 Henry Hub coal at Info 2.  
15 Page 44, there's a typo in the  
16 footnote under Figure 23. That should read  
17 6/1/2018.  
18 MR. SMALL: So these seven  
19 should be deleted as before the six. Is that  
20 correct?  
21 THE WITNESS (Powers): Yes,  
22 correct. Yeah.  
23 MR. SMALL: Thank you.  
24 THE WITNESS (Powers): And  
25 page 47, the reserve margin line should be

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1 run at 15 percent. It's shown at 10,  
2 page 47.  
3 MR. SMALL: Thank you.  
4 And --  
5 THE CHAIRMAN: We have --  
6 excuse me -- we have a question from  
7 Dr. Bell.  
8 DR. BELL: I just want to make  
9 sure. You're going to submit all these  
10 corrections as late-files so that we can see  
11 them, because it's --  
12 MR. SMALL: Yeah, we can --  
13 DR. BELL: -- it's -- the  
14 voices are dropping off --  
15 MR. SMALL: Okay.  
16 DR. BELL: -- and there are  
17 quite a few directions -- corrections.  
18 MR. SMALL: We --  
19 DR. BELL: It's hard to flip  
20 through.  
21 MR. SMALL: Well, we could  
22 submit the updated documents, and we could  
23 submit pages showing the corrections for  
24 any -- any time there was a typographical  
25 error or that -- that sort of change. Yes,

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1 we will provide those as well.  
2 DR. BELL: No matter what it  
3 is, the complete corrections.  
4 MR. SMALL: Okay.  
5 DR. BELL: Thank you.  
6 MR. SMALL: Absolutely.  
7 And, Ms. Powers, in addition,  
8 you -- you were listed as a responsible  
9 witness on certain interrogatory requests.  
10 Were those prepared by you or  
11 under your direction?  
12 THE WITNESS (Powers): They  
13 were.  
14 MR. SMALL: And do you have  
15 any changes or corrections to those?  
16 THE WITNESS (Powers): I do  
17 not.  
18 MR. SMALL: Okay.  
19 And with the changes and  
20 corrections you mentioned to Exhibit 2, and  
21 with respect to both Exhibit 2 and the  
22 responses to interrogatories, are those true  
23 and correct, to the best of your knowledge  
24 and belief?  
25 THE WITNESS (Powers): They

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1 are.  
2 MR. SMALL: And do you adopt  
3 them as your testimony here today?  
4 THE WITNESS (Powers): I do.  
5 MR. SMALL: Okay.  
6 Finally, I believe, Mr. Jones,  
7 you were responsible for -- you were listed  
8 as a responsible witness for one  
9 interrogatory response. Is that correct?  
10 THE WITNESS (Jones): Yes,  
11 sir.  
12 MR. SMALL: Okay.  
13 And was that prepared by you  
14 or under your direction?  
15 THE WITNESS (Jones): Yes,  
16 sir.  
17 MR. SMALL: And do you have  
18 any changes, corrections or updates to that?  
19 THE WITNESS (Jones): I do  
20 not.  
21 MR. SMALL: And would you  
22 adopt that as your testimony here today?  
23 THE WITNESS (Jones): Yes,  
24 sir.  
25 MR. SMALL: And it is true and

10 (Pages 34 to 37)

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1 correct, to the best of your knowledge and  
2 belief?  
3 THE WITNESS (Jones): Yes,  
4 sir.  
5 MR. SMALL: Okay. Thank you.  
6 With that, Mr. Chairman, the  
7 witness panel is available for  
8 cross-examination.  
9 THE CHAIRMAN: Okay.  
10 First, with -- with those  
11 corrections and changes, which will be  
12 provided prior to the next hearing to all the  
13 parties and intervenors, does -- do any of  
14 the parties or intervenors object to the  
15 admission of these exhibits?  
16 (No response.)  
17 THE CHAIRMAN: Hearing and  
18 seeing none, these exhibits are admitted.  
19 MR. SMALL: Oh, excuse me.  
20 Thank you. I omitted that. My -- my  
21 apologies.  
22 With the accept -- exhibit --  
23 listed as Exhibit 2 for identification, our  
24 prehearing conference submittal, and  
25 Exhibit 9, which is our letter regarding

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1 witness Mr. Gustafson's unavailability, those  
2 are really -- are factual information.  
3 So what I would propose to do  
4 is request that Exhibit 1 and 3-8 on your  
5 hearing -- I'm sorry -- 3-8 on your hearing  
6 agenda be admitted as full exhibits, and then  
7 witnesses will be available for  
8 cross-examination.  
9 THE CHAIRMAN: Yes. Okay.  
10 Okay. Now, we'll begin the  
11 cross-examination.  
12 Mr. Perrone.  
13 CROSS-EXAMINATION  
14 MR. PERRONE: Thank you,  
15 Mr. Chairman.  
16 Did CPV Towantic fly balloons  
17 today to simulate the height of the proposed  
18 stacks?  
19 THE WITNESS (Bazinet): Yes,  
20 we did.  
21 MR. PERRONE: What were the  
22 hours of the balloon flight?  
23 THE WITNESS (Gresock): We  
24 were -- we were asked by the FAA to not  
25 launch the balloons until 7:30 a.m. because

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1 of sunrise. The first balloon was raised at  
2 7:35. The second balloon was up at 8:05.  
3 We had one balloon that came  
4 down from 11:20 to 11:50 in order to refill  
5 it with helium so that it would loft up to  
6 height. And we're expecting that those  
7 would -- they're -- they're out there  
8 currently, and they'll remain in place  
9 until -- until four o'clock.  
10 MR. PERRONE: What color were  
11 the balloons, and what was the diameter?  
12 THE WITNESS (Gresock): The  
13 balloons are red in color. They were filled  
14 to a diameter -- diameter of approximately  
15 5 feet.  
16 MR. PERRONE: Could you  
17 describe the weather conditions during the  
18 balloon flight?  
19 THE WITNESS (Gresock): The  
20 weather conditions were relatively favorable,  
21 light winds -- lighter winds than originally  
22 predicted, clear visibility.  
23 We've been in contact with the  
24 airport to confirm that from a visibility  
25 standpoint, today would be a good day for

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1 the -- for the balloons.  
2 MR. PERRONE: Did the balloons  
3 reach their full height of 150 feet?  
4 THE WITNESS (Gresock): They  
5 did.  
6 MR. PERRONE: Okay.  
7 THE WITNESS (Gresock): It's  
8 150 feet. That's 980 feet above -- mean sea  
9 level, so it's not 150 feet from the current  
10 ground level, but 150 feet at the future  
11 ground level to simulate the height of the  
12 future stacks.  
13 MR. PERRONE: And did CPV  
14 Towantic comply with -- with all requests of  
15 the Connecticut Airport Authority for the  
16 balloon flight?  
17 THE WITNESS (Gresock): Yes,  
18 we did.  
19 MR. PERRONE: Was a sign in  
20 place to notify the public of the project?  
21 THE WITNESS (Bazinet): Yes,  
22 the sign was in place.  
23 MR. PERRONE: Where was the  
24 sign located?  
25 THE WITNESS (Bazinet): The

11 (Pages 38 to 41)

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1 sign was located at the southwest corner of  
2 the proposed site, at the intersection of  
3 Spectra's access road and Woodruff Hill Road.  
4 MR. PERRONE: What was the  
5 size of the site?  
6 THE WITNESS (Bazinet):  
7 Four-foot-by-6-foot.  
8 MR. PERRONE: And -- and  
9 generally, what information was on it?  
10 THE WITNESS (Bazinet): It had  
11 the fact that it was an electric generating  
12 facility, CPV Towantic, LLC, the applicant;  
13 the contact information of the Connecticut  
14 Siting Council; the public hearing date of  
15 January 15, 2015; the Connecticut Siting  
16 Council contact information, being the  
17 website and phone number; and it had a CPV  
18 Towantic, LLC, logo.  
19 MR. PERRONE: And lastly,  
20 could we get a sign-posting affidavit as a  
21 late-file?  
22 MR. SMALL: Yeah. Yes.  
23 MR. PERRONE: Is the public  
24 benefit for the power plant more regional  
25 than statewide, given significant generator

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1 retirements in the region, such as Vermont  
2 Yankee?  
3 THE WITNESS (Bazinet): The --  
4 the benefits that will accrue to the region  
5 will accrue, effectively on a pro rata basis,  
6 to the state of Connecticut. Regional  
7 impacts to the capacity market affect  
8 Connecticut equally, as they do any other  
9 state in the region.  
10 There are unique instances  
11 where Connecticut being an import constrained  
12 zone could be worse off than the rest of the  
13 region, but it will always be -- if the  
14 region has a problem, Connecticut will also  
15 have a problem, in other words.  
16 MR. PERRONE: But the plant  
17 would help offset some of the projected  
18 shortfall in the regional system plan?  
19 THE WITNESS (Bazinet):  
20 Absolutely.  
21 MR. PERRONE: Okay.  
22 Is it correct to say that  
23 Vermont Yankee, about 604 megawatts, retired  
24 just before year-end, 2014?  
25 THE WITNESS (Bazinet): That

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1 is correct.  
2 MR. PERRONE: I understand we  
3 have the efficiency of the turbines based on  
4 their heat rates, but what is the overall  
5 efficiency of the combined cycle plant  
6 itself?  
7 THE WITNESS (Bazinet): So the  
8 overall efficiency of -- is listed in G  
9 literature as north of 61 percent, the  
10 calculated efficiency.  
11 So on a net plant basis, the  
12 efficiency is 54 and a half percent. The gas  
13 turbine combined cycle efficiency, as listed  
14 by GE, based on -- this is the difference  
15 between higher heating value and lower  
16 heating value, is greater than 61 percent.  
17 MR. PERRONE: Does that  
18 neglect duct firing?  
19 THE WITNESS (Bazinet): That's  
20 without duct firing.  
21 MR. PERRONE: Okay.  
22 THE WITNESS (Bazinet): I'm  
23 sorry. I was corrected. The number is  
24 53.3 percent. And so --  
25 MR. ASHTON: 53.5 percent net

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1 both units full load. Is that correct?  
2 THE WITNESS (Bazinet): That's  
3 correct. Higher heating value, net plant  
4 including both gas turbines and the steam  
5 turbine.  
6 MR. ASHTON: Does it or does  
7 it not include duct firing?  
8 THE WITNESS (Bazinet): It  
9 does not include duct firing.  
10 MR. ASHTON: And what -- what  
11 is the added as for results of duct firing?  
12 (Pause.)  
13 THE WITNESS (Bazinet):  
14 Fifty-one percent.  
15 MR. ASHTON: I'm sorry?  
16 THE WITNESS (Bazinet):  
17 Fifty-one percent.  
18 MR. ASHTON: Fifty-one percent.  
19 THE WITNESS (Bazinet):  
20 That's -- I'm sorry. That's summer fully  
21 fired. We don't have a 59-degree data point  
22 relative to what you're -- the question  
23 you're asking us.  
24 MR. ASHTON: Your voice is  
25 dropping off. I'm having a real problem

12 (Pages 42 to 45)

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1 hearing you. I know I'm getting old and  
2 gray, but my hearing isn't that bad. Can you  
3 talk clearly and into the mic.  
4 THE WITNESS (Bazinet):  
5 Fifty -- 51 percent is the summer fully-fired  
6 efficiency.  
7 MR. ASHTON: What's the winter  
8 figure?  
9 THE WITNESS (Bazinet): We --  
10 we don't have that available. We'd have  
11 to --  
12 MR. ASHTON: Okay. Thank you.  
13 MR. SMALL: We could provide a  
14 read-in on that, if you'd like, or a  
15 late-filed exhibit to provide that  
16 information.  
17 MR. ASHTON: I have -- these  
18 are questions I also have. So --  
19 MR. SMALL: Okay. Would you  
20 rather have that -- we'll provide that as  
21 late-filed exhibit.  
22 MR. ASHTON: Mr. Small, I'm  
23 going to ask a few more questions in the area  
24 when I get my own turn, so be prepared.  
25 THE CHAIRMAN: Yep. So

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1 that the fuel will be turned over  
2 sufficiently such that there wouldn't be any  
3 concerns with respect to that question.  
4 MR. PERRONE: Would the fuel  
5 oil only be used during periods of natural  
6 gas unavailability, or do you foresee  
7 circumstances where it may be more economic  
8 to run on oil?  
9 THE WITNESS (Bazinet): It's  
10 our intention to only use fuel oil during  
11 periods on -- of unavailability on gas.  
12 MR. PERRONE: Okay.  
13 In the response to Naugatuck  
14 Interrogatory Number 3, it talks about  
15 wash-downs, basic -- and, basically, of the  
16 equipment and the floor.  
17 In cases like that, could oil  
18 potentially be introduced into the  
19 wastewater?  
20 THE WITNESS (Bazinet): The --  
21 the plant will be outfitted with an oil/water  
22 separator, and any -- any oils that are mixed  
23 in floor drains will be processed through the  
24 oil/water separator and eventually reduce it  
25 to ten parts per million.

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1 let's -- let Mr. Perone --  
2 MR. ASHTON: Yep.  
3 THE CHAIRMAN: -- continue.  
4 MR. PERRONE: So the duct  
5 firing would increase your megawatts, but  
6 your overall efficiency would drop slightly  
7 because of its higher heat rate?  
8 THE WITNESS (Bazinet): That's  
9 correct.  
10 MR. PERRONE: Now I'd like to  
11 talk about the storage of the fuel oil. As  
12 far as the long-term storage of the fuel oil,  
13 are there any concerns about bacteria or  
14 moisture, or breakdown of the fuel, or  
15 anything like that?  
16 THE WITNESS (Bazinet): Yeah,  
17 we have no concerns at this -- at this time  
18 with respect to that.  
19 MR. PERRONE: So no measures  
20 need to be taken to maintain fuel integrity?  
21 THE WITNESS (Bazinet): There  
22 are certain measures that are taken to  
23 maintain the integrity of the fuel tank, as  
24 well as the inventory stored in the fuel  
25 tank, but on a long-term basis, we expect

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1 MR. PERRONE: Next, I'd like  
2 to turn to the Department of Public Health  
3 comments. Those are dated January 8th.  
4 The DPH has several  
5 recommendations in this letter. Would CPV  
6 Towantic be willing to comply with those  
7 recommendations?  
8 THE WITNESS (Bazinet): Yes,  
9 they would.  
10 MR. PERRONE: And lastly, in  
11 the last bullet point of this document, it  
12 talks about water-saving features. Could you  
13 summarize for us which water saving features  
14 were incorporated into the plant's design?  
15 THE WITNESS (Bazinet): Sure.  
16 The plant recycle -- recycles  
17 all of its processed water, so -- and we make  
18 up to the cycles both on evaporative cooling  
19 and water used in the boiler with  
20 demineralized water, so that has the net  
21 effect of reducing the overall supply that is  
22 required for the plant.  
23 More -- maybe more  
24 significantly is the fact that it's an  
25 air-cooled facility. And compared to a

13 (Pages 46 to 49)

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1 wet-cooled power plant, a wet-cooled facility  
2 would take roughly, you know, 5 to  
3 6 million gallons a day of water based on the  
4 incoming water quality, whereas this plant  
5 requires significantly less.

6 One -- one other measure  
7 relative to the prior application, we  
8 eliminated the wet surface air cooler, which  
9 is used for auxillary plant cooling. So  
10 other equipment on the site that requires  
11 some sort of cooling, we now use thin fan  
12 coolers across the entire site, so that's air  
13 instead of water.

14 MR. PERRONE: And while we're  
15 on the subject of water, how does CPV  
16 Towantic intend to have the quantity of water  
17 required to operate on fuel oil?

18 THE WITNESS (Bazinet): So  
19 it's our intention to use up to the  
20 218,000 gallons a day committed by Heritage  
21 Village. To the extent that there are excess  
22 supplies available, they -- and they're  
23 willing and able to sell those excess  
24 supplies, we'll use those as well.

25 In the event that that's not

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1 airport -- air pilot associations, and folks  
2 like that, to gather comments and feedback.  
3 They'll use that to conduct  
4 initial analysis which could take up to 120  
5 days, as they quote in their letter, and then  
6 they'll conclude their analysis at the end of  
7 that.

8 MR. PERRONE: Regarding the  
9 visibility analysis performed and provided in  
10 the Siting Council Interrogatory 13, I  
11 understand we have a number of homes for  
12 year-round seasonal visibility.

13 Would you happen to have the  
14 acreage, the -- basically, the visibility  
15 areas for seasonal year-round?

16 THE WITNESS (Gresock): We do  
17 not, but we can provide that.

18 MR. PERRONE: Okay. If that  
19 could be a late-file, that would be great.

20 Okay. Onto safety issues.  
21 Would CPV Towantic retain a special inspector  
22 to assist the municipal fire marshal in  
23 reviewing the construction plans and  
24 conducting inspections pursuant to CGS  
25 16-50ii?

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1 the case, we have 1.75 million gallons of  
2 water stored on site that will be used during  
3 periods of oil firing.

4 MR. PERRONE: In response to  
5 Question 10 of the Siting Council  
6 interrogatories, could you explain the  
7 process of the FAA circularizing review of  
8 the process -- of the project?

9 Explain how that process works  
10 and -- if you have a rough timeline on that.

11 THE WITNESS (Bazinet): So the  
12 circularization process commences with some  
13 form of determination by the Federal Aviation  
14 Administration in response to a 70 460  
15 application, which is a notice of proposed  
16 construction or alteration.

17 Once you've received that  
18 determination and you ask the Federal  
19 Aviation Administration to circularize your  
20 application contents, they will reach out to  
21 a number of different stakeholders, including  
22 the Connecticut Airport Authority, the  
23 Connecticut DOT, the Waterbury Oxford  
24 Airport, local government, flying clubs,  
25 airport associate -- airport -- excuse me --

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1 THE WITNESS (Bazinet): Yes,  
2 we will.

3 MR. PERRONE: Will CPV remit a  
4 fee to the co-training fund to be used in the  
5 training of local fire marshals on complex  
6 issues of electric generating facility  
7 construction in accordance with CGS 29-251c?

8 THE WITNESS (Bazinet): Yes,  
9 we will.

10 MR. PERRONE: And now, I'd  
11 like to refer to two safety-related  
12 conditions. One was in Docket 192, and the  
13 decision and order dated June 23, 1999.

14 The certificate holder shall  
15 develop an emergency response plan drafted in  
16 cooperation with all local public safety  
17 officials, Waterbury Oxford -- Oxford Airport  
18 personnel, Department of Public Safety, and  
19 other emergency response officials. And  
20 also, in Docket NT2010, there's a requirement  
21 for an emergency response, slash, safety  
22 plan.

23 When is CPV scheduled to  
24 develop and provide these documents?  
25 (Pause.)

14 (Pages 50 to 53)

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1 THE WITNESS (Bazinet): So  
2 it's our understanding that within 90 days of  
3 the file -- of the certificate being issued,  
4 we would have those plans in place.  
5 MR. PERRONE: Okay.  
6 Both documents -- for both?  
7 THE WITNESS (Bazinet): That's  
8 correct.  
9 MR. PERRONE: Thank you.  
10 That's all I have.  
11 THE CHAIRMAN: We'll now  
12 continue with cross-examination from council  
13 members. Our vice chairman, Senator Murphy.  
14 SENATOR MURPHY: Thank you,  
15 Mr. Chairman. I just have a few questions at  
16 this time.  
17 But with the FAA, I assume you  
18 previously -- this application, when it was  
19 approved, received a green light from the  
20 FAA? Is that --  
21 THE WITNESS (Bazinet): That  
22 is -- that is correct.  
23 SENATOR MURPHY: What -- what  
24 prompted you to reposition the stacks in the  
25 proposal you have before us, when you already

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1 anything suggested by the FAA?  
2 THE WITNESS (Gresock): That's  
3 correct.  
4 And in looking at the updated  
5 project, we went through a lot of discussion  
6 about updates and changes that we could make  
7 that would be beneficial.  
8 SENATOR MURPHY: Okay.  
9 When was the last time the FAA  
10 approved of this, gave the final circulatory  
11 approval to this project? Was it way back  
12 when?  
13 THE WITNESS (Bazinet): March  
14 2009.  
15 SENATOR MURPHY: Way back  
16 when.  
17 THE WITNESS (Gresock): And it  
18 was valid through 2011.  
19 THE WITNESS (Bazinet):  
20 Correct.  
21 SENATOR MURPHY: Okay.  
22 THE WITNESS (Bazinet): I'm  
23 sorry. Maybe I could just add a little more  
24 to that. That was just relative to all  
25 structures on the site. So there were

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1 apparently had approval for what was  
2 theoretically on the drawing board before?  
3 THE WITNESS (Gresock): Even  
4 though the FAA previously approved the stacks  
5 in the -- in the configuration, the -- they  
6 were 150-foot stacks. But they -- and they  
7 went through the same process we're going  
8 through now, where it was circularized and  
9 went out for public comment prior to  
10 determining there was no hazard to  
11 navigation.  
12 But that configuration did  
13 involve more -- more areas at the airport  
14 than we have now. As we were looking at  
15 improvements to the project, we wanted to try  
16 to minimize, to the extent possible, whatever  
17 we could with regard to intrusion on the  
18 airport surfaces. And so, by -- by moving  
19 the stacks a little further away, by reducing  
20 the graded elevation of the site by 1 foot,  
21 we were able to limit the penetrations to  
22 just one single area, the VFR horizontal  
23 surface.  
24 SENATOR MURPHY: So -- so the  
25 motivation was from the applicant, not from

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1 approvals that -- there were approvals that  
2 were received in March of '11, for other  
3 structures on the site, which included the  
4 air-cooled condenser, the main building, the  
5 switchyard towers, which expired in September  
6 of 2012.  
7 SENATOR MURPHY: And as I  
8 understand the configurations of the size of  
9 the buildings, really, none of them are going  
10 up. They're going down and -- but go ahead.  
11 THE WITNESS (Bazinet): In the  
12 updated configuration, that's correct. We've  
13 reduced the height of a number of different  
14 structures.  
15 SENATOR MURPHY: In your  
16 answer to staff's question about the use of  
17 water, you indicated about the purchase. And  
18 I know from reading the material that they  
19 will supply you more than the contract  
20 agreement, if it's available. And your  
21 answer is, if it's not available, you'd use  
22 the -- the storage that you have on hand,  
23 which is somewhat substantial.  
24 So it's your plan, if you  
25 needed more water than the contract was, that

15 (Pages 54 to 57)



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1 you would not use your storage first, but you  
2 would contract for more and keep your storage  
3 on hand. Did I understand your response to  
4 run that way?

5 THE WITNESS (Bazinet): So we  
6 would certainly -- we would use whatever  
7 would be needed first, and we, as a second  
8 resort, to the extent that that -- let me  
9 clarify. The -- the plan is to use the water  
10 storage during oil fire -- or oil firing  
11 conditions as a backup if there is additional  
12 available supplies from Heritage Village.  
13 Above and beyond the commitment of 218, we  
14 would be willing to use those during  
15 oil-fired conditions.

16 SENATOR MURPHY: Prior to  
17 using your storage or you'd use your storage  
18 first? Because I interpreted your answer is  
19 that you'd keep your storage, and you'd use  
20 additional purchases from the water company.

21 THE WITNESS (Bazinet): I  
22 think that would be condition dependent. So  
23 to the extent that a dispatch request was  
24 made by ISO New England that might extend  
25 beyond our existing water storage, and we

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1 duel-fuel -- a duel-fueled resource so that  
2 we can satisfy the reliability criteria that  
3 ISO New England has.

4 SENATOR MURPHY: So your plan,  
5 at least, is you're going to construct it as  
6 duel-fired and if you don't need it later on,  
7 or make a decision that may not be in your  
8 best interests, you'll be back to us some  
9 time, way down the road probably, to change  
10 it?

11 THE WITNESS (Bazinet):  
12 It's -- it's highly unlikely, in today's New  
13 England market environment, that we would  
14 ever get rid of the oil-firing capability,  
15 and that's because it can swing up and down,  
16 you know, based on different cycles.

17 And New England has recently  
18 implemented performance incentives which  
19 require generating units to be available as  
20 much as possible. So if there were no  
21 alternative available, we wouldn't simply say  
22 we haven't dispatched oil in five or -- five  
23 or so years, therefore we're going to ask the  
24 Council to relinquish the obligation.

25 SENATOR MURPHY: I have no

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1 could forecast that, and additional water  
2 supplies were available, we may in fact use  
3 those additional water supplies first, but I  
4 think it would be definitely dependent on the  
5 request size.

6 SENATOR MURPHY: So it's a --  
7 it's a maybe we'll do it this way. It  
8 depends on the circumstances at that given  
9 time. Okay.

10 The application, of course, is  
11 for dual-fired. And your answer was that  
12 you're going to use gas as long as it's  
13 available.

14 Do you anticipate, as many  
15 others have of recent years, come in and ask  
16 to be no longer refired (sic) -- to be  
17 dual-fired at some future time?

18 THE WITNESS (Bazinet): It's  
19 not our expectation at this point.  
20 Certainly, if firm transportation for natural  
21 gas were available to the project, that would  
22 be our preferred alternative.

23 To 8,760 hours a year, we  
24 could operate on natural gas. That's not  
25 currently available, so we're proposing

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1 further questions, Mr. Chairman.

2 THE CHAIRMAN: Okay.  
3 Mr. Ashton.

4 MR. ASHTON: Thank you,  
5 Mr. Chairman.

6 I'd -- I'd like to -- I've got  
7 a wide-ranging bunch of questions. And I'd  
8 like to just pick up where Senator Murphy  
9 left off.

10 I assume you're in discussion  
11 with Algonquin on the gas supply. Is that  
12 fair to say?

13 THE WITNESS (Bazinet): With  
14 respect to gas interconnection, not supply,  
15 that's correct.

16 MR. ASHTON: Have you queried  
17 Algonquin as to how much interruptible  
18 capability they have currently, and then,  
19 also in the near future, since they have an  
20 expansion project underway?

21 THE WITNESS (Bazinet): Yes,  
22 we have.

23 MR. ASHTON: And did you get  
24 answers for both cases?

25 THE WITNESS (Bazinet): Not in

16 (Pages 58 to 61)

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1 the future, but I -- I do know what they  
2 currently have available.  
3 MR. ASHTON: You -- you didn't  
4 get any indication what the capacity might  
5 be -- what capacity might be available in the  
6 future?  
7 THE WITNESS (Bazinet): On an  
8 interruptible basis, no.  
9 MR. ASHTON: I'm sorry?  
10 THE WITNESS (Bazinet): On an  
11 interruptible basis, no.  
12 MR. ASHTON: Did you inquire  
13 about firm capacity being available in the  
14 near future?  
15 THE WITNESS (Bazinet): Yes,  
16 we did.  
17 MR. ASHTON: And what was  
18 their answer?  
19 THE WITNESS (Bazinet): Their  
20 answer was that the projects that they have  
21 currently in the planning phase, both the  
22 Algonquin -- Algonquin Incremental Market  
23 Project and the Atlantic Bridge Project, were  
24 being designed as incremental increases to  
25 the capacity of the system and being sold

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1 rarely flows on Algonquin.  
2 The majority of gas purchased  
3 by power-generating assets in New England, on  
4 Algonquin that is, is firm capacity that's  
5 purchased in the secondary market for  
6 marketers or laid off by LDCs that are not  
7 using capacity.  
8 MR. ASHTON: And is that how  
9 you would get your gas?  
10 THE WITNESS (Bazinet): That's  
11 exactly it.  
12 MR. ASHTON: Isn't that really  
13 a form of interruptible? If the LDCs have  
14 the firm gas and they're laying off excess  
15 supplies, they can call on those excess  
16 supplies at any time, can't they? So your  
17 supply is, in effect, interruptible.  
18 THE WITNESS (Bazinet): That's  
19 correct. I was answering you literally, but  
20 sure, that -- that is correct. They could  
21 call it back.  
22 MR. ASHTON: And have you  
23 worked with any LDCs to try and meet the gas  
24 requirements for this plant if it's built?  
25 My question boils down to: Where are you

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1 primarily to LDC, a local distribution  
2 company, load. So that capacity was  
3 effectively fully spoken for. And it was  
4 their desire to maintain schedule on those  
5 projects. And introducing the load of a  
6 plant like CPV Towantic to their engineering  
7 and design phase puts them in a position  
8 where they wouldn't want to necessarily  
9 include us in the project in the event we  
10 weren't able to move forward.  
11 MR. ASHTON: Do you intend to  
12 ask Algonquin for firm service if this  
13 project is approved?  
14 THE WITNESS (Bazinet): Not  
15 currently.  
16 MR. ASHTON: So you would only  
17 rely on interruptible?  
18 THE WITNESS (Bazinet): We  
19 would.  
20 MR. ASHTON: Or would you rely  
21 on a combination?  
22 THE WITNESS (Bazinet): So  
23 interruptible service is not available today  
24 on Algonquin -- well, it's a -- I'm sorry --  
25 service is available, but interruptible gas

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1 going to get your gas from?  
2 THE WITNESS (Bazinet): We  
3 will likely work with a marketer for this  
4 project. The operation strategy for a  
5 project like this usually entails hiring a  
6 gas manager that can manage --  
7 MR. ASHTON: I would think so  
8 since it's a major component of your cost.  
9 THE WITNESS (Bazinet): Sure.  
10 MR. ASHTON: You are  
11 interested, I'm sure, in maintaining your  
12 costs.  
13 So are you telling, really,  
14 you don't know where your gas is going to  
15 come from if this plant is approved at this  
16 time? You don't know at this time where it's  
17 going to come from?  
18 THE WITNESS (Bazinet): The  
19 physical source of supply comes from either  
20 the Gulf or --  
21 MR. ASHTON: Oh, I understand  
22 that. It comes from Western Canada, or the  
23 Maritimes, Sable Island, what have you, or  
24 Pennsylvania. There's ample gas, is there  
25 not, available at the Henry Hub?

17 (Pages 62 to 65)

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1 THE WITNESS (Bazinet): The  
2 capacity to transport that gas will be  
3 purchased through either --  
4 MR. ASHTON: Right. Well,  
5 let's -- let's go to my question, first off.  
6 Isn't there ample gas at Henry  
7 Hub available?  
8 THE WITNESS (Bazinet): Sure.  
9 MR. ASHTON: And so the issue  
10 boils down to transportation from Henry Hub  
11 into, in this case, Southern New England. Is  
12 that right?  
13 THE WITNESS (Bazinet): Yes,  
14 that's correct.  
15 MR. ASHTON: Okay.  
16 And what have you done to be  
17 reasonably assured that capacity would be  
18 available were this plant approved?  
19 THE WITNESS (Bazinet): So on  
20 the worst -- in the worst winter in the  
21 last -- or one of the two harshest winters in  
22 the last 25 years, the -- the amount of gas  
23 that we're -- I'm sorry -- the -- the  
24 frequency of gas unavailability was de  
25 minimis even last year. And in those

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1 Not even any of the  
2 Connecticut LDCs which might have capacity  
3 available?  
4 THE WITNESS (Bazinet): No,  
5 sir.  
6 MR. ASHTON: Okay.  
7 We use the term "duct firing."  
8 What exactly is duct firing? It's not a  
9 misspelling of d-u-c-k. I understand that.  
10 THE WITNESS (Bazinet): So  
11 duct firing is the introduction of fuel in  
12 the heat recovery steam generator, d-u-c-t,  
13 duct firing. And it's a form of power  
14 augmentation.  
15 MR. ASHTON: It's a  
16 regenerative, a reheat, if you will, a reheat  
17 cycle.  
18 THE WITNESS (Bazinet): It's  
19 a -- addition -- that -- that's correct.  
20 MR. ASHTON: Which is? It is  
21 a reheat cycle?  
22 THE WITNESS (Bazinet): That  
23 is, you're reheating --  
24 MR. ASHTON: Okay. That's  
25 fine.

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1 instances we would have dual fuel to -- to  
2 rely on --  
3 MR. ASHTON: Okay.  
4 THE WITNESS (Bazinet): -- for  
5 those periods.  
6 Three hundred thirty-five days  
7 of the year, there's significant amounts of  
8 gas available such that we're confident that  
9 between capacity currently contracted for by  
10 marketers and capacity currently contracted  
11 for by local distribution companies -- it's  
12 released quite frequently -- will be  
13 available such that we're able to operate.  
14 MR. ASHTON: But as I  
15 understand what you're telling me, you have  
16 had no conversations telling a LDC or a  
17 marketer that, look, we're building an  
18 800-megawatt nominal plant in Oxford, at  
19 least intending to, what can you do to  
20 reassure us that we'll have a gas supply?  
21 You haven't had that kind of conversation.  
22 THE WITNESS (Bazinet): We  
23 haven't entered into that dialogue yet.  
24 MR. ASHTON: Now, that's very  
25 interesting. Okay.

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1 Let me go back to the very  
2 beginning of this thing. The premise that's  
3 before the Council is that conditions have  
4 changed sufficiently since Towantic was  
5 approved in 1999 or reopening of  
6 reconsideration of a new plan.  
7 You submitted data, which I  
8 read with interest, indicating that, in  
9 Connecticut, the Norwalk Harbor Plants are  
10 scheduled for being closed, which breaks my  
11 heart because they were considered state of  
12 the art when I started. And it was a  
13 good-looking plant, too. But those are  
14 critical in southwest Connecticut, in the  
15 narrow sense of the Norwalk Stamford area and  
16 also the larger southwest Connecticut, as ISO  
17 defines it.  
18 Were there any other plant  
19 closings since 1999 that you're aware of?  
20 MR. SMALL: Just to clarify,  
21 in southwest Connecticut, you mean,  
22 Mr. Ashton?  
23 MR. ASHTON: No, in  
24 Connecticut. Ms. Powers, I'm sure, has got a  
25 good answer.

18 (Pages 66 to 69)

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1 THE WITNESS (Powers): I hope  
2 so. I think it was just -- just Millstone 1  
3 and -- oh, and AES Thames. That's right. So  
4 there were two.  
5 MR. ASHTON: I was going to  
6 say AES Thames. How about Devon 7 and 8?  
7 THE WITNESS (Powers): I don't  
8 know if it was -- I don't what the time frame  
9 was of seven and eight.  
10 MR. ASHTON: We can find that  
11 out.  
12 THE WITNESS (Powers): Yeah.  
13 MR. ASHTON: Let's -- we may  
14 add to the list of exhibits that the Council  
15 sponsors which will help enlighten us on  
16 that.  
17 Outside of Connecticut, there  
18 have -- generation changes, too, and there  
19 are more proposed. Is -- is it your  
20 understanding that Connecticut is part of a  
21 power-pooling arrangement and its --  
22 Connecticut does not plan its generation in  
23 isolation with the rest of New England, but  
24 rather in combination with the rest of New  
25 England?

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1 THE WITNESS (Powers): That's  
2 correct. It's part of an interconnected  
3 power pool.  
4 MR. ASHTON: And that  
5 interconnected power pool is controlled by an  
6 entity called "ISO New England." And they do  
7 the -- they're responsible for the long-range  
8 gross system planning. Is that fair to say?  
9 THE WITNESS (Powers): They're  
10 responsible for -- for transmission planning.  
11 One of the -- one of the consequences of  
12 deregulating the markets is that, aside from  
13 transmission for generation purposes,  
14 generation entry and exit is left up to  
15 market forces.  
16 MR. ASHTON: Okay.  
17 And so the market forces are  
18 manifesting themselves all over New England.  
19 And they market -- additions to market  
20 generation would be approved by the -- in  
21 Connecticut, we call it now PURA, P-U-R --  
22 Public Utilities Regulatory Authority. Is  
23 that correct?  
24 THE WITNESS (Powers): I just  
25 wanted to -- I just want to make sure I

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1 understand your question. Are you asking if  
2 PURA --  
3 MR. ASHTON: Yeah. They're  
4 the ones that are --  
5 THE WITNESS (Powers): --  
6 approves generation additions?  
7 MR. ASHTON: -- they're the  
8 God in Connecticut, that if you want to bring  
9 a generator on, you've got to work your way  
10 through PURA and the market.  
11 THE WITNESS (Powers): My  
12 understanding, in terms of their role, is  
13 when they're seeking -- they're seeking  
14 specific power from -- from resources under  
15 mandates, like they did with some of the --  
16 the programs back in the late 2000s, that  
17 Connecticut, specifically, went out and  
18 sought particular types of generation, like  
19 peaking generation.  
20 MR. ASHTON: Okay.  
21 And in this -- in this case  
22 we're talking, are we not, a baseload-type of  
23 generator, one that would run 24-7-365 if  
24 they could?  
25 THE WITNESS (Powers): This --

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1 for this type -- particular type of  
2 generator, because it wasn't a solicitation  
3 by PURA, they don't have to approve it.  
4 MR. ASHTON: Okay. But it's  
5 that nature of -- the nature of the design of  
6 this generator is for the long-term,  
7 round-the-clock operation?  
8 THE WITNESS (Bazinet):  
9 That's -- that's correct. Our projections,  
10 as included in Exhibit 2, don't show it  
11 running 100 percent of the year, but yes,  
12 it's closer to a baseload facility than it is  
13 an intermediate facility.  
14 MR. ASHTON: If Towantic comes  
15 online, what generation is it likely to  
16 displace; in other words, if you come in --  
17 if the unit is not available today but it  
18 comes online tomorrow, it's going to have an  
19 effect on the dispatch of generation, is it  
20 not?  
21 THE WITNESS (Bazinet):  
22 That's -- that's correct. A generating unit  
23 like Towantic would be inserted at a  
24 relatively low point on the supply stack.  
25 MR. ASHTON: What does that

19 (Pages 70 to 73)

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1 mean?  
2 THE WITNESS (Bazinet): So  
3 there are a number of different units, hydro  
4 for example, renewable and nuclear, that are  
5 very low cost, marginal cost units. And  
6 directly after that comes highly-efficient,  
7 combined-cycle generating units.  
8 MR. ASHTON: And so, just to  
9 make sure we all understand, units such as  
10 hydro and nuclear are the ones that really  
11 supply all the electricity they can, assuming  
12 that water, in the case of hydro, is  
13 available, and the unit nuclear fuel is  
14 available in the nuclear unit. Is that fair  
15 to say?  
16 THE WITNESS (Bazinet): That  
17 is.  
18 MR. ASHTON: Okay. And so,  
19 after that has met the load duration  
20 occurring at the bottom, if you will, units  
21 like a combined-cycle plant would be  
22 dispatched, would they not?  
23 THE WITNESS (Bazinet): That  
24 is correct.  
25 MR. ASHTON: So a Towantic

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1 MR. ASHTON: Okay. So we're  
2 operating -- we're discussing here a theory  
3 of stacking economic efficiency. The highest  
4 cost units are the old dogs. They, you  
5 know -- but it breaks my heart to say it --  
6 but the Norwalk Harbor, and that type of  
7 unit. Isn't that fair to say?  
8 THE WITNESS (Bazinet): That's  
9 correct.  
10 MR. ASHTON: Okay. So if  
11 Towantic comes into the load duration curve,  
12 the capacity duration curve, what units is it  
13 likely to push off-line?  
14 THE WITNESS (Bazinet): It's  
15 likely to push off-line the, quote/unquote,  
16 old dogs, as you referred to them.  
17 MR. ASHTON: And what are  
18 those old dogs? Do you know?  
19 THE WITNESS (Bazinet):  
20 Examples of those units would be -- the State  
21 of Connecticut is probably intimately  
22 familiar -- the Sooty Six, or units like  
23 Montville, Middletown, Norwalk, where it  
24 would still be existing, Devon.  
25 MR. ASHTON: Well, we've got a

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1 would be in there. A Lake Road up in the  
2 Danielson area would be in there. A Milford  
3 would be in there. That type of thing. Fair  
4 to say?  
5 THE WITNESS (Bazinet): Fair  
6 to say. And it's -- I would also add that  
7 CPV Towantic would be at the front of that  
8 line as probably the most efficient  
9 combined-cycle plant.  
10 MR. ASHTON: It depends on how  
11 hungry you are for revenue. Is that true?  
12 THE WITNESS (Bazinet): Well,  
13 on a money marginal cost basis, CPV would be  
14 the most efficient, and therefore --  
15 MR. ASHTON: Right. But you  
16 have to bid that marginal cost. Is that  
17 correct?  
18 THE WITNESS (Bazinet):  
19 Absolutely.  
20 MR. ASHTON: So if you bid 50  
21 cents a kilowatt hour as your marginal cost,  
22 what's the chances you're going to run at  
23 all?  
24 THE WITNESS (Bazinet): Not a  
25 lot.

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1 lot to -- let's be a little more specific  
2 here. We've got a lot of old units. The  
3 units one through five at Montville do not  
4 run. Unit six, 400 megawatts, as I recall  
5 now, I believe, is a -- is a peaking unit  
6 that does run. And it was deliberately  
7 designed to serve the top chunk of that load  
8 duration curve, starting up and shutting down  
9 each day.  
10 Middletown 4 is a similar  
11 unit. Middletown 3 was designed as a  
12 baseload unit and is now moving into that  
13 fuzzy old past. Bridgeport 3 is a coal-fired  
14 unit of about 235 megawatts, I think, and so  
15 on.  
16 Which of these units are  
17 likely to get booted out? Do you have any  
18 feeling?  
19 THE WITNESS (Bazinet): So the  
20 term "booted out" --  
21 MR. ASHTON: They're moved  
22 into a noneconomic status, a nonoperational  
23 status, assuming we don't go into a disaster  
24 where generations units collectively fail all  
25 at once.

20 (Pages 74 to 77)

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1 THE WITNESS (Bazinet): The  
2 addition of Towantic would have the effect of  
3 moving all units that are less efficient,  
4 assuming we're bidding our marginal cost,  
5 further down that --  
6 MR. ASHTON: Okay.  
7 THE WITNESS (Bazinet): --  
8 noneconomic path.  
9 MR. ASHTON: And let me -- I  
10 mentioned a number of units. Would it be  
11 your opinion that those are all less  
12 economically efficient?  
13 THE WITNESS (Bazinet): Yes.  
14 MR. ASHTON: Okay. How about  
15 the single-cycle -- single-cycle gas turbines  
16 at Devon -- which I think there's  
17 250 megawatts or 300 -- I can't remember --  
18 250 or 300 megawatts. What about that kind  
19 of unit?  
20 THE WITNESS (Bazinet): So  
21 all -- all simple cycle technology is, by  
22 nature, less efficient than combined cycle,  
23 but those particular units are GE's LM6000  
24 units, which operate at a, roughly, 10,000  
25 heat rate.

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1 MR. ASHTON: About 40 percent,  
2 somewhere around that.  
3 THE WITNESS (Bazinet): We're  
4 at about six -- six four, 64 on that.  
5 MR. ASHTON: Okay. Let me see  
6 if I could get a conclusion out of this line  
7 of questions.  
8 Insofar as an efficient  
9 combined-cycle unit is generating and  
10 replacing an oil-fired plant, would that mean  
11 that there is going to be less air emissions?  
12 THE WITNESS (Bazinet): That  
13 is correct.  
14 MR. ASHTON: Suppose it was a  
15 coal-fired plant, what's the result there?  
16 THE WITNESS (Bazinet):  
17 That -- that -- it would also be the case,  
18 that there would be less air emissions as a  
19 result.  
20 MR. ASHTON: So is this a  
21 situation where the Lord giveth and the Lord  
22 taketh away, insofar as a plant gets built,  
23 it may be new, but it also may have benefits  
24 by knocking out more polluting plants  
25 currently serving one. Is that fair to say?

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1 THE WITNESS (Bazinet): I'm  
2 sorry. Could you repeat the question,  
3 please?  
4 MR. ASHTON: Insofar as a --  
5 no, you've got another year -- insofar as a  
6 new, efficient, less polluting,  
7 combined-cycle plant is built, a Lake Road, a  
8 Milford, a Clean Energy, a Towantic, insofar  
9 as a plant of that type is built and knocks  
10 out an oil-fired or coal-fired plant less --  
11 with a higher rate, does that have a net  
12 environmental benefit as far as air emissions  
13 go?  
14 THE WITNESS (Bazinet): Yes,  
15 it does. We've attempted to quantify that in  
16 Section 6 of Exhibit 2.  
17 MR. ASHTON: Okay.  
18 Can this plant -- well, first  
19 of all, the plant consists of two units.  
20 Correct? And is the rating, is it 785 or  
21 805, which is it, net or what?  
22 You know, I got a little  
23 confused -- dazzled by the footwork. Which  
24 is the net rating after station service?  
25 THE WITNESS (Bazinet): Two --

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1 two gas turbine units, that's correct. One  
2 steam turbine. And the net plant rating is  
3 785 megawatts.  
4 MR. ASHTON: Net, okay. That  
5 allows, roughly, 20 megawatts of station  
6 service electricity to drive the plant?  
7 THE WITNESS (Bazinet): That's  
8 correct.  
9 MR. ASHTON: Can the plant be  
10 operated with one gas turbine and a -- the  
11 steam second cycle?  
12 THE WITNESS (Bazinet): Yes.  
13 MR. ASHTON: Can the plant be  
14 operated with both gas turbines and no steam  
15 backup as a simple cycle -- single-cycle  
16 plant?  
17 THE WITNESS (Bazinet): Yes,  
18 it can.  
19 MR. ASHTON: Does the plant  
20 have black start capability? And by black  
21 start, I mean, after a total interruption of  
22 incoming power, it has the ability to start  
23 itself with a small, on-site generator, or  
24 what have you.  
25 THE WITNESS (Bazinet): The

21 (Pages 78 to 81)

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1 plant is not designed with black start  
2 capability.  
3 MR. ASHTON: What would be  
4 required to make a black start capability?  
5 You don't require full station service, I  
6 don't believe.  
7 THE WITNESS (Bazinet): You  
8 would need an on-site generator, roughly 10  
9 megawatts in size, to make that happen.  
10 MR. ASHTON: Ten megawatts.  
11 And that would be able to start both a gas  
12 turbine and the steam generator or just a  
13 gas -- a gas turbine?  
14 THE WITNESS (Bazinet): You  
15 would just start the gas turbine first, and  
16 then, once the plant is creating power,  
17 the --  
18 MR. ASHTON: What -- I'm going  
19 to bore in on this because one of the  
20 benefits of some of the older units was they  
21 had black start capability, and in blackout  
22 conditions that was very desirable. I can  
23 personally attest to that.  
24 How do you get the  
25 10 megawatts? Can it be less than that?

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1 And I'm willing to take that  
2 as a late-file, because you're basically  
3 looking to cranking power for a gas turbine  
4 of a few pumps, and so forth.  
5 MR. SMALL: We'll take  
6 late-files on that.  
7 MR. ASHTON: Okay.  
8 Give me a minute here.  
9 Are you -- are you capable of  
10 speaking on the transmission interconnection,  
11 or should I defer my questions to my -- to  
12 our local utility, Connecticut Light & Power,  
13 slash, NU?  
14 THE WITNESS (Bazinet): I can  
15 do my best.  
16 MR. ASHTON: Okay.  
17 Did you consider, first of  
18 all, a different type of switchyard  
19 configuration since it's a gas insulated bus?  
20 THE WITNESS (Bazinet): ISO  
21 New England has interconnection standards.  
22 MR. ASHTON: I'm sorry?  
23 THE WITNESS (Bazinet): ISO  
24 New England has interconnection standards  
25 that need to be met, that dictate a breaker

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1 and a half configuration or -- well -- and  
2 so, as this plan has been developed all  
3 along, it's been developed --  
4 MR. ASHTON: If it's an open  
5 switchyard and a breaker and a half, I don't  
6 have any -- any fault with. But did you  
7 consider an insulated gas switchyard. Yes or  
8 no?  
9 THE WITNESS (Bazinet): No --  
10 no, we haven't.  
11 MR. ASHTON: My question is:  
12 Why not?  
13 Clean Energy found it to be  
14 cheaper. It's something they found to be  
15 cheaper and occupy less space and save --  
16 they had big savings on civil engineering.  
17 I'd like a late-file on your review of that.  
18 MR. SMALL: We'll do a  
19 late-file on that.  
20 MR. ASHTON: Yeah.  
21 Could the unit be partially  
22 fired by gas and partially fired by oil, or  
23 is it all or nothing?  
24 THE WITNESS (Bazinet): It's  
25 one fuel or the other.

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1 MR. ASHTON: Could you fire  
2 gas in one combustion turbine and oil in the  
3 other?  
4 THE WITNESS (Bazinet): Yes,  
5 theoretically.  
6 MR. ASHTON: So you could get  
7 partial firing?  
8 THE WITNESS (Bazinet): I'm  
9 sorry. I misunderstood the question. I  
10 thought you meant in one gas turbine. So --  
11 MR. ASHTON: Well, you --  
12 you've told me you can operate with one or  
13 two combustion turbines exhausting into a  
14 waste heat boiler. Now, you're telling me,  
15 or I hope or I think, that you could fire one  
16 combustion turbine on gas or the other on oil  
17 if that was for a reason, economical or  
18 practical.  
19 THE WITNESS (Bazinet): So we  
20 could fire one gas turbine on gas and one gas  
21 turbine on oil. The intent is to only use  
22 ultralow sulfur distillate as a backup fuel  
23 when gas is unavailable, so not for economic  
24 reasons.  
25 MR. ASHTON: Well, suppose

22 (Pages 82 to 85)

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1 there's some available, but not all of it?  
2 THE WITNESS (Bazinet): Well,  
3 then that would be unavailability of gas.  
4 And to extent that ISO New England would ask  
5 for the dispatch on oil on one unit and one  
6 on gas, then we would be happy to accommodate  
7 that.  
8 MR. ASHTON: And you would be  
9 able to do that?  
10 THE WITNESS (Bazinet): Yes.  
11 MR. ASHTON: Okay. Now, we're  
12 getting at it.  
13 No black start capability.  
14 Do you have a cross-sectional  
15 drawing of a plant, transverse and  
16 longitudinal? You've got plan views, but I  
17 didn't see a cross section of the plant.  
18 THE WITNESS (Bazinet): No, we  
19 don't have any cross section drawings.  
20 MR. ASHTON: They're not  
21 available?  
22 THE WITNESS (Bazinet): We  
23 have elevation drawings, but not  
24 cross-sectional.  
25 MR. ASHTON: Okay. Let me

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1 so that a lot of the -- the -- a lot of the  
2 sound is attenuated. And so the result is --  
3 is that --  
4 MR. ASHTON: Well, I'm happy  
5 to hear it, and I'm sure that's the case.  
6 But I'm trying to get at some of the  
7 specifics.  
8 Transformers have some noise.  
9 Usually it doesn't appear beyond the property  
10 lines, and it can be attenuated by sound  
11 barriers. Is that not correct?  
12 THE WITNESS (Gresock): That's  
13 correct. There are a variety of barriers --  
14 MR. ASHTON: Okay. So air  
15 handling is probably the largest component of  
16 noise, the intakes and the air-cool fans.  
17 Will you not agree on that?  
18 THE WITNESS (Gresock):  
19 Certainly the air inlets are -- are among the  
20 loudest. The air-cooled condenser is also  
21 fairly loud.  
22 MR. ASHTON: Okay.  
23 What have you done to  
24 attenuate or reduce the noise from the  
25 air-cooled inlets?

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1 then move into the area I was very interested  
2 in, and that's the ACC air -- air fans.  
3 That, I suspect, is the largest contributor  
4 of noise of the plant. Is that correct?  
5 THE WITNESS (Gresock): It is.  
6 It is one of the major contributors of noise.  
7 MR. ASHTON: Is it the  
8 largest?  
9 THE WITNESS (Gresock):  
10 Because we're incorporating a low noise ACC  
11 into the project design, it isn't the -- the  
12 most significant contributor.  
13 MR. ASHTON: Which is the  
14 noisiest part of the plant, or component of  
15 the plant?  
16 THE WITNESS (Gresock): The  
17 air inlets. The ACC is -- is up there. It's  
18 not the loudest. The transformers also  
19 contribute noise.  
20 MR. ASHTON: Well, they  
21 contribute noise, but they're not the  
22 noisiest on this plant. I'm sure of that.  
23 THE WITNESS (Gresock):  
24 There's been various mitigation measures  
25 incorporated into the design of the facility

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1 THE WITNESS (Gresock): The --  
2 the inlets are assuming the use of 8 foot  
3 silencers in the design.  
4 MR. ASHTON: Uh-huh.  
5 Would you agree that the  
6 orientation of the air inlet would have a  
7 great deal to do with noise dissemination?  
8 THE WITNESS (Gresock):  
9 Orientation is always a factor in noise  
10 dissemination, absolutely.  
11 MR. ASHTON: What -- have you  
12 considered that in proposing the design of  
13 the air inlets?  
14 THE WITNESS (Gresock): Yes.  
15 Yes, we have.  
16 MR. ASHTON: And so the  
17 positioning of the air inlet would give the  
18 lowest noise broadcast?  
19 THE WITNESS (Gresock): We  
20 haven't adjusted the location of the air  
21 inlet for noise attenuation. There's a  
22 balancing that occurs, of course, throughout  
23 all of this --  
24 MR. ASHTON: Okay. What's the  
25 balancing?

23 (Pages 86 to 89)



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1 THE WITNESS (Gresock): There  
2 are different elements of the project located  
3 at different locations on the site. The air  
4 inlets are towards the north. The air-cooled  
5 condenser is towards the south.  
6 MR. ASHTON: Right. Right.  
7 And -- but even at the north  
8 end, positioning does have an influence on  
9 sound transmission, doesn't it?  
10 THE WITNESS (Gresock): The --  
11 the position in which a sound -- a sound is  
12 emitted does have -- does have an effect on  
13 that.  
14 MR. ASHTON: Yeah.  
15 Let me ask the same question  
16 and repeat it. Have you optimized that  
17 orientation of the air inlets --  
18 THE WITNESS (Gresock): What  
19 we've done --  
20 MR. ASHTON: -- at the north  
21 end of the plant?  
22 THE WITNESS (Gresock): Yeah,  
23 I mean, what we've done in the analysis we've  
24 presented here is we have integrated design  
25 conditions and mitigation measures that

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1 demonstrate the project can meet 51 dBs at --  
2 at the nearest residentially-zoned property  
3 line.  
4 What will happen is when the  
5 project's final design is undertaken, there  
6 will be some additional optimization that  
7 occurs with the construction contractor.  
8 That same commitment will be met, but some of  
9 the ways in which that occurs may be  
10 adjusted, and -- and that would all be  
11 information that would be updated and  
12 provided at that time.  
13 MR. ASHTON: Well, I hope we  
14 get smarter as we get older. I mean,  
15 that's -- that's true with every project  
16 design I've been involved with.  
17 But I'm a little concerned  
18 that -- well, let me ask another question:  
19 What is the maximum sound level at the  
20 property boundary that you've heard?  
21 THE WITNESS (Gresock): It's  
22 70 dBA.  
23 MR. ASHTON: 70 dBA, and  
24 that's at the Towantic property line. And  
25 that would be, in this case, at the road

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1 right outside the plant?  
2 THE WITNESS (Bazinet): It's  
3 along the eastern border of the site near the  
4 compressor station.  
5 MR. ASHTON: Okay.  
6 THE WITNESS (Gresock): Right.  
7 If you refer to Figure 12 of Appendix D --  
8 MR. ASHTON: Okay.  
9 THE WITNESS (Gresock): --  
10 there's -- there are contours in there that  
11 show that boundary.  
12 MR. ASHTON: I want to come  
13 back to the sound, but I want to push on to  
14 another area in -- related to sound also.  
15 The next major component is  
16 the air handling system. The fans are up off  
17 the ground, and my desire for a cross section  
18 was to try and figure out how far off the  
19 ground they are, quite frankly.  
20 How far off the ground is the  
21 axis of those fans? The horizontal axis, not  
22 the vertical axis. Approximately. I'm not  
23 looking for the inch.  
24 THE WITNESS (Bazinet): So  
25 the -- the air-cooled condenser is 85 feet

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1 from grade. And the fans are just below the  
2 top of the --  
3 MR. ASHTON: Okay. So the top  
4 of it is 85 feet and the fans are just below  
5 that. I can well visualize it.  
6 Have been -- have there been  
7 any studies that you made regarding the  
8 height of that box -- oh, forgive me, for  
9 calling it a box, it really is -- that relate  
10 directly to the noise output of the -- of the  
11 box?  
12 THE WITNESS (Bazinet): So  
13 "study" may -- may not be the word I would  
14 use, but we -- what we've done is we've  
15 researched the market, if you will, and a  
16 number of different vendors and equipment  
17 options that would -- could be made available  
18 for a facility like this.  
19 And what we've done is we've  
20 gone with a design that is both a lower noise  
21 level design as well as a lower height  
22 design, seeking to --  
23 MR. ASHTON: Well, I think  
24 that's very commendable. I'm poking away at  
25 this pinata.

24 (Pages 90 to 93)

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1 The top of the box at 85 feet,  
2 it comes down and it's open at the bottom.  
3 Is that not correct?  
4 THE WITNESS (Bazinet): That's  
5 correct.  
6 MR. ASHTON: How big is that  
7 opening? How high is that opening?  
8 THE WITNESS (Bazinet): So  
9 the -- the start of the fan deck is at  
10 69 feet.  
11 MR. ASHTON: So the -- the  
12 fans really are boxed in from 69 feet for  
13 16 feet going up to 85. Is that right?  
14 THE WITNESS (Bazinet): That's  
15 correct.  
16 MR. ASHTON: So is it fair to  
17 say that there would be a fair amount of  
18 noise that would come out of the bottom of  
19 this -- of the box?  
20 THE WITNESS (Gresock): There  
21 is sound that comes out the top, out the  
22 bottom and the sides, yes.  
23 MR. ASHTON: Okay.  
24 The sides can be soundproofed  
25 practically or theoretically by adding

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1 limit.  
2 MR. ASHTON: Does -- does fan  
3 speed drive noise?  
4 THE WITNESS (Gresock): The  
5 diameter and the speed contribute to the  
6 noise generation.  
7 MR. ASHTON: And the larger  
8 the diameter and the lower the speed, I  
9 assume, it tends to diminish the noise?  
10 THE WITNESS (Gresock): That's  
11 right.  
12 MR. ASHTON: Has that kind of  
13 trade-off been examined in designing the  
14 facility?  
15 THE WITNESS (Gresock): For  
16 this design, we're using the manufacturer's  
17 specifications from the vendor for this  
18 particular technology that was selected. In  
19 the final design of the project there may be  
20 other considerations.  
21 MR. ASHTON: I appreciate  
22 that, and I appreciate looking at it off the  
23 shelf, but I also appreciate, from my own  
24 experience, that you get remarkable results  
25 if you push the manufacturer. Have you

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1 concrete walls or whatever you want that make  
2 it virtually impossible to hear anything  
3 through it.  
4 But there is a problem with  
5 the top and the bottom in that you have to  
6 have a free flow of air. Fair to say?  
7 What can be done at the bottom  
8 to try and mask some of that noise? Can you  
9 use some sound barrier type of wall with,  
10 maybe, staggered openings so you get good air  
11 flow through but it tends to minimize sound  
12 off the site?  
13 This is a concern that people  
14 in Oxford have vocally expressed. They're  
15 concerned about noise. Fair question.  
16 What can we do about it?  
17 THE WITNESS (Bazinet): So  
18 we've designed a gravel stone at the bottom,  
19 as well, which also helps to mitigate the  
20 noise from the air-cooled condenser.  
21 Sure, what you're suggesting  
22 is -- is a possibility we haven't  
23 contemplated in what we've proposed. We  
24 found a different set of mitigation measures  
25 that contain compliance with the 51 dBA noise

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1 pushed?  
2 THE WITNESS (Bazinet): We're  
3 not yet in that phase of the project where  
4 we'd be procuring equipment from the  
5 manufacturer, so no.  
6 MR. ASHTON: Let me move on  
7 into another area. What is the cut and fill  
8 ratio on the site? What kinds of cuts and  
9 fills are you going to have to make here?  
10 Volumetric. I'm not looking for the nearest  
11 cubic inch. I'm looking for some broad --  
12 broadbrush figures.  
13 MR. SMALL: We will provide  
14 that in a late-file. We don't have that  
15 information at present.  
16 MR. ASHTON: Okay. Let me  
17 back off a little bit. Is there extensive  
18 cutting in the project? Are you removing all  
19 the topsoil and you're going to dispose of it  
20 in some fashion?  
21 THE WITNESS (Bazinet):  
22 That -- there is --  
23 MR. ASHTON: And are you  
24 removing some of the subsoil?  
25 THE WITNESS (Bazinet): Yes.

25 (Pages 94 to 97)

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1 MR. ASHTON: What is the  
2 intent of disposition of that material? What  
3 are you going to do with it?  
4 THE WITNESS (Bazinet): We --  
5 we would cut in and then use the soils that  
6 we removed for filler.  
7 MR. ASHTON: You would cut in.  
8 Where would you cut in?  
9 THE WITNESS (Bazinet): To --  
10 to the -- the slope of the site that is  
11 not -- that is above the finished grade  
12 elevation of 830.  
13 MR. ASHTON: Are you then --  
14 are you telling me, and to be sure I  
15 understand, that you are going to cut the --  
16 the -- let's assume the site is rounded.  
17 You're going to knock the crown off that site  
18 and then use this material to fill in the  
19 downslope. Is that the idea?  
20 THE WITNESS (Bazinet): That's  
21 correct.  
22 MR. ASHTON: Have you thought  
23 about using any of the -- would -- do you  
24 plan to use any material and take it off  
25 site?

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1 THE WITNESS (Bazinet): To the  
2 extent that the fill -- excuse me -- the  
3 amount of soil that was removed exceeded the  
4 amount of fill required to balance the site  
5 at a finish grade of 830, yes, that -- that  
6 would be needed.  
7 MR. ASHTON: Well, my converts  
8 here have heard this sermon before, so  
9 they're going to have to suffer with me, but  
10 have you thought about using any of the fill  
11 to build a berm around the part of the plant  
12 and -- which would be served for noise  
13 attenuation and visibility attenuation, and  
14 save you some money if it's -- assuming the  
15 plant is built?  
16 THE WITNESS (Bazinet): We  
17 hadn't contemplated that yet. We could.  
18 MR. ASHTON: I missed the  
19 last?  
20 THE WITNESS (Bazinet): We  
21 could contemplate that.  
22 MR. ASHTON: Do you think it  
23 might be nice idea?  
24 THE CHAIRMAN: You understand  
25 you're getting, gratis, engineering advice?

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1 THE WITNESS (Bazinet): We --  
2 we could definitely take a look at it, but  
3 it's our thought that, based on the current  
4 site plan, the space that would be required  
5 for such a berm is not currently available.  
6 MR. ASHTON: Huh. Well, let's  
7 see.  
8 MR. SMALL: You want us to  
9 provide that as a late-file?  
10 MR. ASHTON: Well, I think it  
11 may be worth thinking about over dinner or  
12 something like that, Mr. Small. I don't  
13 expect you to rework the whole site tonight.  
14 You know, this -- okay.  
15 Let me just cross a few things  
16 out.  
17 Would you explain to me what  
18 your water use is -- why it goes so sky high  
19 when you're on oil? Is that because you're  
20 using co-firing, or you're checking water in  
21 the well stream for the fuel?  
22 THE WITNESS (Bazinet): That's  
23 correct. You inject water into the combustor  
24 to control emissions.  
25 MR. ASHTON: And why do you do

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1 that?  
2 THE WITNESS (Bazinet): To  
3 control nitrogen oxide emissions.  
4 MR. ASHTON: I can't --  
5 couldn't hear you. I'm sorry.  
6 THE WITNESS (Bazinet): To  
7 control NOx, nitrogen oxide emissions.  
8 MR. PERRONE: Okay. So is it  
9 to reduce the pollutants coming off the unit  
10 when it's on oil?  
11 THE WITNESS (Bazinet): Yes.  
12 MR. ASHTON: Have you thought  
13 of any unconventional sources of water?  
14 I have to be honest with you.  
15 I'm thinking -- I'm going to go to Bermuda in  
16 a few weeks. And in Bermuda, they have no  
17 reservoirs, but they have -- every roof forms  
18 a reservoir. And they're required to put in  
19 a tank, to run their roof drains into the  
20 tank, and that's what you drink, or brush  
21 your teeth with, or otherwise.  
22 Have you thought of  
23 anything -- now, I know this is not Bermuda  
24 and there is water available, but rather than  
25 stress the Pomperaug, have you thought of

26 (Pages 98 to 101)

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1 anything like that as a possibility?  
2 Your rooftop, though, is going  
3 to be a flat roof, I'm pretty certain.  
4 THE WITNESS (Bazinet): So  
5 we've done a number of different things to  
6 minimize the amount of water consumption at  
7 this facility. Your particular suggestion  
8 has -- hasn't been considered.  
9 MR. ASHTON: It's not the  
10 answer of a maiden's prayer, but I don't know  
11 whether it's something or not.  
12 Is the unit going to be  
13 operated following the load? Do you  
14 understand that question?  
15 It's a baseload unit that  
16 can -- does it have full capability to follow  
17 load? As the load goes up and down, can you  
18 adjust your generation?  
19 THE WITNESS (Bazinet): We can  
20 within limitations.  
21 MR. ASHTON: With what?  
22 THE WITNESS (Bazinet): We can  
23 within certain limitations.  
24 MR. ASHTON: And what are the  
25 limits?

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1 (Pause.)  
2 THE WITNESS (Bazinet): Thirty  
3 percent of total plant load.  
4 MR. ASHTON: Thirty percent.  
5 You vary the load output by 30 percent. So  
6 taking out --  
7 THE WITNESS (Bazinet): Sorry.  
8 Minimum emissions compliance load is  
9 30 percent.  
10 MR. ASHTON: And that's over a  
11 period of time?  
12 For example, you're -- if  
13 you're an 800 nominal plant, 30 percent is  
14 240 megawatts. Is that the limit you can  
15 vary the load on the -- on machines? And if  
16 so, over what period of time?  
17 THE WITNESS (Bazinet): Yes.  
18 So between 240 megawatts and 785 megawatts,  
19 or --  
20 MR. ASHTON: Yeah.  
21 THE WITNESS (Bazinet): -- in  
22 round numbers.  
23 MR. ASHTON: 800, it's  
24 easier --  
25 THE WITNESS (Bazinet): Sure.

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1 MR. ASHTON: -- for an old  
2 man.  
3 THE WITNESS (Bazinet): We --  
4 we have no restrictions between those levels.  
5 MR. ASHTON: I'm sorry?  
6 THE WITNESS (Bazinet): We  
7 have no operating restrictions between those  
8 levels.  
9 MR. ASHTON: So you can vary  
10 that pretty quickly. Is that what you're  
11 saying?  
12 I see a head nodding over  
13 here. So is that -- that correct?  
14 THE WITNESS (Bazinet): At 40  
15 megawatts per minute.  
16 MR. ASHTON: Forty megawatts a  
17 minute. That's a pretty good -- pretty rapid  
18 response. Six minutes you could do the whole  
19 thing.  
20 THE WITNESS (Bazinet): I'm  
21 sorry. That's actually per turbine as well.  
22 That's -- so it would be --  
23 MR. ASHTON: I'm sorry?  
24 THE WITNESS (Bazinet): The  
25 40 megawatts per minute is per turbine. So

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1 it would be --  
2 MR. ASHTON: Oh, 80 megawatts  
3 at least?  
4 THE WITNESS (Bazinet): 80  
5 megawatts.  
6 MR. ASHTON: Oh, that's really  
7 fast. Very good.  
8 Does the transmission system  
9 become stressed to the point where you're  
10 limited in your plant output at light loads;  
11 in other words, could you go full load when  
12 you hit the 1 a.m. to 5 a.m. period on a  
13 spring day where there's nothing going on and  
14 a little hydro available, and so forth, or do  
15 you have to back down?  
16 THE WITNESS (Bazinet):  
17 The -- the studies conducted  
18 by ISO New England and the transmission  
19 owner, Connecticut Light & Power, consider a  
20 wide range of scenarios. And it's not  
21 anticipated that ramping up or down would  
22 stress the transmission system in any way.  
23 MR. ASHTON: So you could be  
24 full load at the minimum system load?  
25 THE WITNESS (Bazinet): Yeah.

27 (Pages 102 to 105)

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1 If -- if we're dispatched, yes, that's  
2 correct.  
3 MR. ASHTON: Right. Assuming  
4 you're dispatched, obviously, which may or  
5 may not be the case, but I understand.  
6 What kind of fencing do you  
7 have around the plant?  
8 THE WITNESS (Bazinet): A  
9 7-foot chain-link fence with 1 foot of barbed  
10 wire above it.  
11 MR. ASHTON: Would you  
12 consider 7 foot with inch and a quarter or  
13 inch and a half mesh, rather than a two-inch  
14 mesh which can be climbed?  
15 THE WITNESS (Bazinet): Yes.  
16 MR. ASHTON: Okay.  
17 Last question: What kind of  
18 employment would this plant involve during  
19 construction A and B, after construction in a  
20 normal operating mode?  
21 THE WITNESS (Bazinet): So  
22 during -- during construction, manpower will  
23 ebb and flow, of course, during that period,  
24 but it's expected to peak at around 500 jobs  
25 during construction but be ranged somewhere

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1 between three and five hundred during the  
2 entire construction period, which is expected  
3 to span two and a half years.  
4 MR. ASHTON: Keep your voice  
5 up.  
6 THE WITNESS (Bazinet):  
7 After -- after construction is complete, the  
8 plant will employ 21 to 25 full-time workers.  
9 MR. ASHTON: Okay. Thank you  
10 very much.  
11 That will do it for now,  
12 Mr. Chairman.  
13 THE CHAIRMAN: Thank you. The  
14 Council will now recess until 6:30 p.m., at  
15 which time we will commence the public  
16 session.  
17 (Whereupon, the witnesses were  
18 excused, and the above proceedings were  
19 adjourned at 4:55 p.m.)  
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22  
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1 CERTIFICATE  
2 I hereby certify that the foregoing 107  
3 pages are a complete and accurate  
4 computer-aided transcription of my original  
5 verbatim notes taken of the Council Meeting  
6 in Re: DOCKET NO. 192B, CPV TOWANTIC, LLC,  
7 MOTION TO REOPEN AND MODIFY THE JUNE 23, 1999  
8 CERTIFICATE OF ENVIRONMENTAL COMPATIBILITY  
9 AND PUBLIC NEED BASED ON CHANGED CONDITIONS  
10 PURSUANT TO CONNECTICUT GENERAL STATUTES  
11 §4-181A(B) FOR THE CONSTRUCTION, MAINTENANCE  
12 AND OPERATION OF A 785 MW DUAL-FUEL COMBINED  
13 CYCLE ELECTRIC GENERATING FACILITY LOCATED  
14 NORTH OF THE PROKOP ROAD AND TOWANTIC HILL  
15 ROAD INTERSECTION IN THE TOWN OF OXFORD,  
16 CONNECTICUT, which was held before ROBERT  
17 STEIN, Chairperson, at the Oxford High School  
18 Auditorium, 61 Quaker Farms Road, Oxford,  
19 Connecticut, on January 15, 2015.  
20  
21  
22  
23  
24  
25  

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26 Robert G. Dixon, CVR-M 857  
27 Court Reporter  
28 UNITED REPORTERS, INC.  
29 90 Brainard Road, Suite 103  
30 Hartford, Connecticut 06114

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1 I N D E X  
2 WITNESSES DANIELLE S. POWERS  
3 ANDREW J. BAZINET  
4 D. LYNN GRESOCK  
5 FREDERICK M. SELLARS  
6 CURTIS C. JONES Page 25  
7 EXAMINERS:  
8 Mr. Perrone Page 39  
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28 (Pages 106 to 109)