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1	state OF NEW HAMPSHIRE	
2	SITE EVALUATION COMMITTEE	
3		
4	December 21, 2017 - 9:08 a.m. DAY 70	
5	49 Donovan Street MORNING SESSION Concord, New Hampshire	
6	{Electronically filed with SEC 1-2-2018}	
7	IN RE: SEC DOCKET NO. 2015-06	
8	Joint Application of Northern Pass Transmission, LLC, and	
9	Public Service Company of New Hampshire d/b/a Eversource	
10	Energy for a Certificate of Site and Facility.	
11	(Hearing on the merits)	
12	PRESENT FOR SUBCOMMITTEE/SITE EVALUATION COMMITTEE: Chrmn. Martin P. Honigberg Public Utilities Comm.	
13	(Presiding as Presiding Officer)	
14	Cmsr. Kathryn M. Bailey Public Utilities Comm. Dir. Craig Wright, Designee Dept. of Environ. Serv.	
15	Christopher Way, Designee Dept. of Resources & Economic Development	
16	William Oldenburg, Designee Dept. of Transportation Patricia Weathersby Public Member	
17	racricia weathersby rabite nember	
18	ALSO PRESENT FOR THE SEC:	
19	Michael J. Iacopino, Esq., Counsel to the SEC Iryna Dore, Esq.	
20	(Brennan, Lenehan, Iacopino & Hickey)	
21	Pamela G. Monroe, SEC Administrator	
22	(No Appearances Taken)	
23	COURT REPORTER: Susan J. Robidas, NH LCR No. 44	
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{SEC 2015-06} [DAY 70 MORNING ONLY SESSION]{12-21-17}

1	PROCEEDINGS		
2	(Hearing opened at 9:08 a.m.)		
3	CHAIRMAN HONIGBERG: Good		
4	morning, everyone. It's Day 70. And unless we		
5	have problems, this will be the last day we hear		
6	from witnesses in this proceeding.		
7	We have Dr. Van de Poll back		
8	to complete his testimony. He was sworn		
9	earlier, so we don't need to redo that. And		
10	what we are up for right now are questions		
11	from the Applicant. Mr. Walker, whenever		
12	you're ready.		
13	CROSS-EXAMINATION		
14	BY MR. WALKER:		
15	Q. Good morning, Dr. Van de Poll.		
16	A. Good morning, Mr. Walker.		
17	Q. My name's Jeremy Walker. We've met before.		
18	I'm counsel for the Applicant. And to remind		
19	the Committee, your work in this matter was		
20	limited to potential impacts of the proposed		
21	project within the city of Concord; correct?		
22	A. That is correct.		
23	Q. And I want to walk you briefly through your		
24	methodology. So, I understand from your		

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prefiled testimony you reviewed the report of
the wetlands assessment done by Normandeau
Associates for Concord; correct?
```

- 4 A. Yes.
- Q. When you filed your original prefiled testimony in December, 2016, prior to filing that you had not gone out in the field and done any field work; right?
- 9 A. That is correct.
- Q. And you opined in that prefiled testimony,
 prior to going out into the field, that
 Normandeau had underestimated some of the
 temporary and permanent impacts to the
 wetlands within Concord; right?
- 15 A. That is correct.
- Q. And you provided your spreadsheet in your supplemental testimony that showed approximately 38 areas where you feel there were errors by Normandeau; right?
- 20 A. Yes.

MR. WALKER: Dawn, if you could pull up Joint Muni 06363, please. And that's the spreadsheet. Sorry, 006363.

- 1 BY MR. WALKER:
- Q. And Dr. Van de Poll, do you have on your
- 3 screen, the spreadsheet?
- 4 A. I do.
- 5 Q. We've seen it before. We've talked about it
- 6 before this Committee. This is the
- 7 spreadsheet of the list of your areas where
- you feel there were errors. And you created
- 9 this using your review of infrared aerial
- 10 photography from 2015; is that right?
- 11 A. I used both 2015 and 2010.
- 12 Q. Okay. And then what you did was you had the
- 13 aerial infrared photographs, and you compared
- that to the wetland map submitted by
- Normandeau, and then you reached your
- 16 conclusion as to where there were
- 17 differences; is that right?
- 18 A. That is correct.
- 19 Q. Now, the infrared aerial photographs that you
- 20 reviewed, they show essentially where certain
- 21 areas were wet on the one day that they were
- 22 taken; right?
- 23 A. Yeah, the flight time was April of 2010. DOT
- released the infrared photographs in June of

- So there was a little bit of a 1 2 processing time. And what those infrared photographs show are effectively areas where 3 the soils are cool, or I should say the cover 4 5 types are cool. And that is in an open area such as a scrub-shrub emergent wetland, 6 7 generally shown in gray or dark if it's 8 water, black shades. As the soil temperature increases, there's more of a pink coloration 9 to where, for example, if you're looking at a 10 11 pine tree, it's pretty bright red on that infrared photograph. 12
- 13 Q. Now, as you explained to me at your technical
 14 session, you would agree with me that a
 15 review of infrared photographs, that's not an
 16 adequate substitute for field delineations of
 17 a wetlands; correct?
- 18 A. Absolutely.
- Q. And the standard for a wetland delineation is
 the U.S. Army Corps Wetland Delineation
 Manual; is that right?
- 22 A. Plus the supplement.
- Q. Plus the supplement. So it's the 1987 manual plus the supplement?

- 1 A. Yeah, and that's 2012, Version 2.
- 2 Q. And field delineation is typically the
- 3 process that's used for delineating
- 4 boundaries pursuant to that manual.
- 5 A. That's correct.
- 6 Q. In fact, in your experience, you've never
- 7 been involved in wetlands permit process
- 8 where delineation is done by using just
- 9 infrared photographs; correct?
- 10 A. Correct.
- 11 Q. And you're aware that the delineations done
- by Normandeau in this case were done in the
- field; right?
- 14 A. Yes.
- 15 Q. So you're not suggesting in any way that the
- infrared aerial photographs be used as a
- 17 substitute for delineation in the field.
- 18 A. Absolutely not.
- 19 Q. Now, at the tech session you explained that
- the infrared photographs that you used have
- an accuracy level of approximately 10 meters;
- is that right?
- 23 A. Yeah, roughly. I mean, it depends on the
- type of wetland resource. If it's the edge

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of a pond, it could be less than a meter. If

it's a forested swamp with a softwood cover,

it could be as much as 10 meters. That's

correct.
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- 5 Q. Which is approximately 30 feet, a little more 6 than 30 feet?
- 7 A. Yes.

15

16

17

18

19

20

21

22

23

- 9 You then took those photos, and you compared them to the wetlands maps that Normandeau prepared, and you explained in your prefiled testimony you looked at the proximate differences between the photos and Normandeau's wetland maps; right?
- 14 A. That is correct.
 - Q. But the infrared photographs had a different scale than the Normandeau maps, and you had to estimate sort of the difference in scale and how those appeared in the photos versus the maps; right?
 - A. The infrared photographs are adjustable according to the viewer. So I can zoom in to a much greater scale than the maps that I was looking at that were provided by Normandeau.

 Typically, when I map wetlands using

- infrareds, I'll have it at a 1 to 1,000

 scale. The maps that were provided were a

 little bit smaller than that -- that is, the

 maps from Normandeau.
- 5 Q. It's not perfect science; right?
- A. It's not a perfect science. But it served the purpose of flagging areas that looked like they could potentially be inaccurately mapped.
- 10 Q. You were aware that there were multiple site
 11 visits that were done by the Army Corps to
 12 field-check the delineations done by
 13 Normandeau in this case?
- 14 A. I read that on the basis of testimony that
 15 Lee Carbonneau provided.
- Q. Did you also look in the wetlands report that
 was provided by Normandeau where there are
 indications as to which wetlands were
 field-checked by Army Corps?
- 20 A. I did not see any details about exactly which
 21 wetlands were checked. So I'd have to say in
 22 the negative, I did not see those details.

23

24

Q. Okay. And I will represent to you and for this Committee, on the wetlands applications,

```
plans and maps, there are a list of the
1
2
        different wetlands in each map, and there is
        an indication as to whether each wetland was
3
        checked by the Army Corps. And I realize you
4
        haven't seen that, but I'm making that
5
        representation. I will also represent that
6
7
        the Army Corps checked some of the wetlands
8
        that were delineated in Concord. Are you
        aware of that?
9
```

- I am not aware of that. But I'm also not 10 Α. 11 aware of what method they used to check those wetlands, and that was one of my specific 12 concerns. I do not believe that the Army 13 14 Corps goes out and does an independent review 15 using their own method to delineate the 16 wetland. So that is some cause for concern 17 if the science is not being adhered to.
- 18 Q. But you don't know how they checked in the field.
- 20 A. No, I do not.
- Q. Okay. I want to turn to the spreadsheet
 that's on the screen, Dr. Van de Poll. I
 realize it's small print here.

MR. WALKER: But Dawn, if you

- could zoom in on Line 6 through 10, please, and blow that up.
- 3 BY MR. WALKER:
- Q. And I don't want to go through all of these,
 Dr. Van de Poll, but I just want to provide
 an example so we are sure as to what you're
 showing here. And particularly if you look
 at Lines 8 and 9, you see it deals with a
 wetland that's been coded as CD42. Do you
 see that?
- 11 A. Yes.
- 12 Q. And you note that -- and I realize we don't

 13 have the headings here, but there are

 14 additional temporary impacts of 2600 square

 15 feet in Line 8. Do you see that?
- 16 A. Yes.
- Q. And then on Line 9, also another 900 feet.
- 18 You see that?
- 19 A. Yes.
- Q. So when you -- you base that on the comparison of the infrared and the Normandeau maps; right?
- 23 A. That's correct.
- Q. And you're saying Normandeau missed 2600 and

```
1 900 square feet --
```

- 2 A. Yes.
- 3 Q. -- based on their wetland maps?
- 4 A. Yeah.
- Q. Is it your position that the aerial
 photographs are more accurate than a field
 check done by Normandeau? I mean, at this
 point you hadn't gone out in the field;
- 9 correct?

15

16

17

18

19

20

21

22

23

- 10 A. Right. And if you're trying to ascertain why
 11 I'm standing by that data as firm, I believe
 12 my prior testimony indicated that only field
 13 checks will provide the verification of the
 14 data that I estimated in the spreadsheet.
 - Q. Okay. And when I see, for instance,

 900 square feet, we talked about the infrared
 photographs and the fact that they are
 accurate in some cases up to 30 feet,

 10 meters. If you're off one dimension by 30
 feet and another dimension by 30 feet, that's
 about 900 square feet. I mean, it can make a
 significant difference; correct?
 - A. If that is, as I mentioned before, a softwood-dominated forest swamp, which a

- 1 pasture is not.
- 2 Q. Now, when you looked at the aerial
- photographs -- you haven't provided any
- 4 copies of the photographs that you reviewed
- for purposes of this; right?
- A. They're available online, and I cited them in my report.
- 8 Q. But you haven't provided the aerial
- 9 photographs and a comparison of what you saw
- in those photographs versus what the wetlands
- map shows by Normandeau; right?
- 12 A. No. That would involve quite a bit more of,
- how shall I say, detail, and what I was not
- necessarily authorized to do, nor would it
- 15 serve the purpose of checking the accuracy
- since that had to be done in the field.
- 17 Q. But if you look at the 38 reported errors
- 18 that you have on this spreadsheet, you only
- 19 went out to 5 spots in the field; correct?
- 20 A. Six, actually.
- 21 Q. Okay. Six, that's right. And you went back
- 22 out.
- 23 A. Went back out.
- Q. But for the other 32 or 33 of those, we're

- 1 left with what you provided in your
 2 description of the aerial photographs; right?
- A. Right, which is why I focused my June report on just where I did the field delineation.
- 5 Q. But as far as the ones where you didn't go,
 6 this Committee doesn't have the photographs
 7 in front of them and any comparison with the
 8 wetland maps to check to see what the
 9 difference is.
- 10 A. No. All they have are the results of my
 11 field survey, which seem to indicate that
 12 five out of the six initial sites that I
 13 thought were wrong were in fact wrong.
- Q. I understand that. I'm talking about the
 other ones that you have on your spreadsheet.

 There's no way that this Committee or we can
 look at your work to see how they line up and
 match up; right?
- 19 A. That is correct.

- 20 Q. So we're essentially left, and this Committee
 21 is left to take your word for it based on
 22 your description from your review of the
 23 aerial photographs.
 - A. And the technical data that I provided in the

- 1 June report.
- 2 Q. For the sites that you went to look at.
- 3 A. Absolutely. I mean, I believe, Mr. Walker,
- 4 that my purpose of doing the field work was
- 5 not to re-delineate all of the wetlands
- 6 Normandeau delineated, nor the ones that the
- Army Corps checked, but to demonstrate that
- there's a reasonable doubt about the accuracy
- 9 of the wetlands.
- 10 Q. I understand your point. I was asking about
- the ones that you did not go out to, and
- 12 you've made that clear.
- I want to talk about the field work. So
- when you first went out, you went out in
- 15 March of 2017.
- 16 A. That's correct.
- 17 Q. That's not in the growing season in Concord;
- is that right?
- 19 A. That is not the growing season.
- 20 Q. Is there a generally accepted --
- 21 A. May 1st.
- 22 Q. May 1st? Through what time?
- 23 A. I believe in Concord be October, I want to
- say 24th, perhaps. I think it's the third or

- 1 fourth week of October.
- 2 Q. Considered to be the growing season?
- 3 A. Roughly.
- 4 Q. And preferably, that's when you would do your
- field work for wetlands delineation.
- 6 A. Preferably.
- 7 Q. Now, in your --
- MR. WALKER: Dawn, if you could
- 9 pull up Dr. Van de Poll's March prefiled
- testimony, which is Joint Muni 142, 006365.
- 11 BY MR. WALKER:
- 12 Q. And this is the first page, Dr. Van de Poll,
- of your March report. And you note that in
- 14 the field you used a Garmin 12XL handheld GPS
- unit.
- 16 A. That's correct.
- 17 O. And we've reviewed the manual for that. That
- has an accuracy level of about 15 meters.
- 19 Does that sound right to you?
- 20 A. No, it does not.
- 21 Q. What's your understanding of the accuracy?
- 22 A. The precision is variable on the number of
- satellites at any one time. The satellites
- as viewable on the unit itself provides an

```
averaging precision function which records
1
2
         the moving precision at the moment the point
         is taken, which is what I recorded for my
3
         data and from which I used the variable, I
4
         believe it was 3.3 to 7.7 meters. This is,
5
         of course, when I uploaded to the color
6
7
         aerial photographs, checked on the basis of
         known points that are visible on the
8
         photograph. So that provides me with a
9
         backup to what precision I was actually
10
11
         getting on the handheld.
         And are you aware of the equipment that
12
    Q.
         Normandeau used when it did its work --
13
14
    Α.
         Yes.
15
         -- which had a submeter accuracy?
    0.
16
         Yes.
    Α.
17
    Q.
         You would agree with that equipment being
```

19 A. Much more accurate.

18

more accurate than --

Q. Now, you also note in your report that you
went out to the field and you had the
Alteration of Terrain maps with you. I take
it you were using those maps in the field to
make the comparisons and determine where

- 1 Normandeau had delineated boundaries?
- 2 A. Yes.

9

- Q. I'm curious why you had the AOT maps which
 have a much larger scale, one inch to -- I'm
 sorry -- a smaller scale -- no, one inch to
 the 200 feet in the AOT maps. Why didn't you
 bring the wetlands map which actually have a
 much smaller scale at one inch equals
- 10 A. The resolution on the AOT maps was better.
- 11 There was actually a greater -- the
- reproduction of the maps, short of having it
- on a computer screen, appeared to be better
- 14 than the actual aerial photograph-based
- 15 wetland delineation maps, which I also used
- as well, but not in March.

100 feet?

- 17 Q. Okay. But you'd agree with me that the
- 18 wetlands map have a much larger scale.
- 19 A. Yes.
- 20 Q. So when you were out there in the field, how
- 21 did you determine where Normandeau had
- delineated the boundaries for the wetlands?
- 23 Did you see flagging out there?
- 24 A. There was no flagging visible on any of the

- 1 sites that I went to.
- Q. These are rights-of-way that are maintained
- and mowed at times; correct?
- 4 A. That is correct.
- 5 Q. And your conclusion was that four of the five
- 6 sites you visited had unmapped wetlands --
- 7 A. That's correct.
- 8 Q. -- that Normandeau didn't pick up.
- 9 So you went out in March. That was not
- during the growing season. So you opted to
- go back out in June of 2017 for one day;
- 12 right?
- 13 A. Right.
- 14 O. June 14th?
- 15 A. Yes.
- 16 Q. So now you're in the growing season. And you
- 17 bring out the same equipment, the same Garmin
- 18 unit --
- 19 A. Yes.
- 20 Q. -- and AOT maps as well?
- 21 BY MR. WALKER:
- 22 Q. I don't want to look at all of the five
- sites, but I want to look at a couple to be
- sure I understand how you did this.

```
23
1
                         MR. WALKER:
                                      And Dawn, if you
2
         could pull up -- let's look at the Sanborn Road
         site, please.
3
    BY MR. WALKER:
4
         And Page 3 of your March report --
5
                         MR. WALKER: Which is 6367, Dawn,
6
7
         if you can see at the bottom, and if you can
8
         blow that up, please.
    BY MR. WALKER:
9
         It's talking about Sanborn Road. And you're
10
11
         checking that site because you note that
         there may be or there's a likelihood of a
12
         direct wetland connection between two
13
         different wetlands, CD 4 and 48?
14
15
        That's correct.
    Α.
16
         And I don't want to make this confusing.
    Q.
17
                         MR. WALKER:
                                      But Dawn, if you
         could pull up the wetlands map that shows those
18
         two wetlands. You're going to have to blow up
19
20
         that screen where you can see CD44 and CD48 in
21
         green, Dawn. All right. Actually, if you go
22
         back out, and a little to the left is CD48 and
23
         all the way across. There you go.
```

BY MR. WALKER:

- 1 Q. So you see the green outline of the wetlands
- 2 CD48 on the left and CD44 on the right;
- 3 correct?
- 4 A. Yes.
- 5 Q. And you went out there suggesting that there
- 6 was a likelihood of a connection between
- 7 those two wetlands that was unmapped by
- 8 Normandeau; right?
- 9 A. That appeared to be the case.
- 10 Q. And your position was that it actually
- 11 extended to the proposed temporary
- 12 construction pad which you can see below,
- 13 313-291; right?
- 14 A. Yes.
- 15 Q. And so you determined in March that there was
- 16 a connection --
- 17 A. I determined there could be a connection
- 18 based on the March growing season -- non-
- 19 growing season assessment.
- 20 MR. WALKER: Dawn, if you could
- go back to Dr. Van de Poll's report, and 6367,
- 22 please.
- 23 BY MR. WALKER:
- 24 Q. And the sentence that's the third sentence,

```
1
         it says, "The edge of wet was determined to
2
         extend from Sanborn Road through the proposed
         temporary construction pad and pole removal
3
         area, neither of which mapped for wetland
4
5
         impacts." So at that point you're
         determining that there was a connection.
6
7
         That's correct.
    Α.
8
    0.
         And Normandeau didn't map it --
         That's correct.
9
    Α.
         -- and therefore didn't correct for temporary
10
    0.
11
         impact or any impact; right?
12
         Right.
    Α.
         So when you went back out there in June, and
13
    Q.
14
         I want to pull up your June report --
15
                         MR. WALKER: And that's Joint
16
         Muni 309, Dawn, please. And it's actually Page
17
         9 of that report. I don't think there's a Bates
18
         Stamp.
19
                         MS. GAGNON: What page?
20
                         MR. WALKER: It's Joint Muni 309,
21
         and it's Page 9 of the report --
22
    BY MR. WALKER:
23
         So this paragraph that starts with, "In
         sum..." you're dealing with Sanborn Road.
24
```

- 1 you have that, Dr. Van de Poll?
- 2 A. Yes, I do.
- And you note that while the wetland CD44 was 3 Q. not accurately delineated in your opinion and 4 5 appears to extend to the north of where it was mapped, it does not connect to CD48, nor 6 7 does it extend into the proposed temporary 8 pad area proposed for that particular pole. 9 And then you go on to say it appears that 10 there will be no further temporary or
- permanent impacts to wetlands beyond what has already been reported for 48; correct?
- 13 A. That's correct.
- Q. So you've gone out in June and you corrected your findings in March.
- 16 A. That's correct.
- Q. So Normandeau had it right, as far as any potential impact in that area.
- 19 A. In terms of impacts, yes.
- Q. For all of the field work that you did,
 whether it's in March or in June, you have
 not provided maps or drawings showing where
 you actually marked the boundaries of the
 wetlands; right?

- 1 A. I was not hired to mark boundaries of wetlands in the right-of-way.
- Q. No, I understand you weren't out there flagging boundaries or anything like that.
- 5 A. No. I thought that would be inappropriate.
- Q. But you measured and you provided to this
 Committee some measurement of square footage
 of wetlands that you feel that Normandeau
 missed.
- 10 A. Yes. Absolutely.

22

23

- 11 Q. But you have not provided to us or this
 12 Committee your maps when you went out there
 13 and show where, you know, where the
 14 boundaries were so we can make a comparison.
- 15 I provided GPS data. That should be Α. 16 sufficient to get people to the field. 17 described it very well, including the vernal If you want, or if the Committee would 18 pool. 19 like to see maps of where I went, I'd be 20 happy to provide them. I have them right 21 here, actually.
 - Q. Well, Dr. Van de Poll, I can pull up those
 maps because you provided maps in your Joint
 Muni 309 -- so, your June field report. And

- we're talking about Sanborn Road, so let's look at the map you provided.
- MR. WALKER: Dawn, that's the very last page of 309.
- 5 BY MR. WALKER:
- Q. And you have provided what you call
 "observation points," so where you collected
 data; correct?
- 9 A. Yes.
- Q. And this is the map that you provided for Sanborn Road.
- MR. WALKER: And if you could
 zoom up a little bit where generally that
 observation point is marked, Observation No. 7.
- 15 BY MR. WALKER:
- Q. And you'll see that your point is marked with that blue circle in the triangle; correct?
- 18 A. Correct.
- 19 Q. And the right-of-way is right in the
 20 right-of-way. But based on the scale of this
 21 map, I will represent to you that our
 22 consultant could not determine exactly where
 23 you were. Your mark here is the entire width
 24 of the right-of-way. Do you know how wide

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that right-of-way is there?
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- 2 A. Yes.
- 3 Q. It's about 150 feet?
- 4 A. That's about right.
- Q. So you would agree with me that, based on this map you provided, it's not entirely clear where that observation point is within the right-of-way.
- 9 A. So, Mr. Walker, if I might, are you

 10 attempting to illustrate or show that, A, I

 11 don't know what I'm talking about relative to

 12 wetland delineation, or, B, don't know where

 13 these places are located, or, C, cannot

 14 communicate the location of these unmapped

 15 wetlands to the Committee?
- 16 Q. None of those three.
- 17 A. Okay. Just want to be clear.
- 18 Q. No, I am not, Dr. Van de Poll.

What I am saying is that, based on what
you provided to this Committee and what you
provided to us, and at this scale, we cannot
determine where that observation point is
within the right-of-way precisely or how you
determined the difference between where

- Normandeau delineated its boundaries and
 where you determined the boundaries to be.
 Nothing that you provided shows that;
 correct?
- I disagree. You could use the observation 5 Α. point which has a GPS lat/long attached to it 6 with six decimal places and go out in the 7 8 field and actually check to see if my delineation was incorrect, which clearly the 9 counsel for the City of Concord invited Lee 10 11 Carbonneau to do, but it appears that Normandeau chose not to check where I had 12 some issues based on the March report and did 13 14 not provide any substantive denial or verification on their own that their wetlands 15 were correctly or incorrectly mapped. 16
 - Q. And let me ask you about that, Dr. Van de
 Poll, because you did this field work in
 June 14 of 2017 and you provided the map with
 this observation point. And you provided
 some field notes, which I presume you took on
 the day you were out at the site; correct?
- 23 A. That's correct.

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Q. Your report, your June report, was provided

- to us on the evening of November 15, 2017.
- Now, that's after the growing season;
- 3 correct?
- 4 A. The March report was provided to you in
- 5 April.
- 6 Q. No, I understand that. I'm talking about --
- 7 A. So why didn't Normandeau check those sites
- 8 that I had issues with during the growing
- 9 season in 2017?
- 10 Q. Dr. Van de Poll, this report which does
- detail your conclusions in the growing season
- was provided to us after the growing season;
- 13 correct?
- 14 A. That's correct.
- 15 Q. Yeah. Do you know who Elise Lawson is?
- 16 A. I do.
- 17 Q. And do you know who John Severance is?
- 18 A. I do.
- 19 Q. They're both certified wetlands scientist?
- 20 A. As far as I know.
- 21 Q. Are you aware that they were retained by
- other municipalities in this case to look at
- the wetland delineations done by Normandeau
- 24 and give their opinion?

- 1 A. I'm not aware of that.
- Q. Okay. Including municipalities of Bethlehem
- and Northumberland, I realize you're not
- aware of it, but those reports are part of
- 5 this record. And I will represent to you
- that they concluded in both of those reports
- that the wetlands delineations done for those
- 8 municipalities were accurately delineated and
- 9 documented by Normandeau. You have not
- 10 reviewed those reports?
- 11 A. No, I have not.
- 12 Q. Dr. Van de Poll, I know you've reviewed the
- 13 March 1, 2017 DES decision with the four
- 14 permits, including the wetlands permit;
- 15 correct?
- 16 A. That's correct.
- 17 O. And you are aware that Condition 12 of that
- 18 permit requires that, prior to construction,
- 19 the Applicant must ensure that all wetland
- and surface water boundaries be clearly
- 21 marked in the field?
- 22 A. I'm aware of that condition.
- 23 Q. Now, during your testimony earlier in this
- 24 matter, you expressed some concern about

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whether there will be sufficient monitoring
and enforcement of the Project to ensure
adequate restoration of any temporary wetland
impacts; is that right?
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- 5 A. That's correct.
- Q. But I want to go through just quickly acouple of the conditions in the permit.

MR. WALKER: And Dawn, if you
could pull up Exhibit 75, please, and
particularly Page 4447.

- 11 BY MR. WALKER:
- Q. I'll focus you on a couple of these, Dr. Van de Poll, and I want to just ask you a few questions on these.

Condition No. 2, you realize that all of
the work that is to be performed has to
follow the different plan notes sheets which
include BMPs, avoidance and minimization
measures; correct?

- 20 A. Correct.
- Q. Have you reviewed those plan notes or plan sheets?
- 23 A. Yes, I have.
- 24 Q. Okay.

- MR. WALKER: Dawn, if you could go to 44450, please.
- 3 BY MR. WALKER:
- Q. And focusing on 36, you realize that a certified wetlands scientist or a qualified professional "shall" monitor the Project during construction. You're aware of that?
- 8 A. Yes.
- 9 Q. And you're aware that the monitoring
 10 requirements require them to report to DES
 11 for at least the first three full growing
 12 seasons?
- 13 A. Yes.
- Q. And Condition 35 also requires that the

 Applicant keep DES constantly apprised as to

 who the monitor is who's responsible for the

 Project. You're aware of that?
- A. I'm very familiar with the standard protocols attached to the conditions for a permit.
- Q. Well, then I won't go through the rest of
 them. I was going to go through the various
 ones relating to the restoration requirements
 for the Project, but it sounds like you're
 familiar with all of those different

1 standards. And any failure to restore temporary impacts, according to Condition 76, 2 would be a violation of RSA 482-A. 3 aware of that as well? 4 5 Α. Yes. So, even with all of this, and even with the 6 0. 7 Project knowing the exposure of this project,

you still feel that the DES will not be

sufficiently able to oversee and monitor the

- 11 A. That is correct.
- 12 Q. One minute, please.

restoration activities?

13 (Pause)

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- MR. WALKER: Thank you. We have nothing further.
- 16 CHAIRMAN HONIGBERG: Members of
 17 the Committee, who has questions for Dr. Van de
 18 Poll? I see Mr. Wright's hand goes up fast.
- 19 QUESTIONS BY SUBCOMMITTEE MEMBERS AND SEC COUNSEL:
- 20 QUESTIONS BY DIR. WRIGHT:
- 21 Q. Good morning, Dr. Van de Poll.
- 22 A. Good morning, Mr. Wright.
- Q. I think you just stated you don't feel like
 DES has the ability to monitor this project.

Why do you feel that way?

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I've been involved with DES-approved permits 2 for over 30 years. And one of the very 3 evident pieces of, how shall I say, 4 deliberation over mitigation project is the 5 concern of invasive species. As an example, 6 invasive species in theory are not to be 7 8 allowed to come into a mitigation site during 9 the period of that three-year monitoring, and if they do, they're supposed to be removed 10 11 and provisions made so that they do not 12 revegetate a given wetland. Unfortunately, as you all are well aware, invasive species 13 14 are a little more vigorous than that and tend 15 to come in prolifically on disturbed sites, 16 regardless of whether they're uplands or 17 wetlands. And I've seen many sites. list many sites that have had invasive 18 19 species come in in mitigation areas that were 20 not essentially protected from that type of 21 non-native invasion. And DES was in fact 22 responsible for those permits. I've been 23 involved with many of them. And it's an unfortunate situation. 24

I pointed out in my earlier prefiled testimony that, for example, the Karner blue butterfly mitigation area is based on a biological opinion that says there will be no substantial loss of Karner blue butterflies; yet, we have a situation where none of the other four listed species of lepidoptera are being monitored or checked because they haven't been surveyed in this mitigation area. So here's another hole in the argument of DES being thorough in their permitting and monitoring requirements.

- Q. So is the concern really with the monitoring or the fact that there's no mitigation once something has come in --
- A. Both. Both, yeah, I mean, because my point earlier -- and whereas Mr. Walker tended to focus on the Sanborn Road, he neglected to point out the other four sites that I did field checks on and found unmapped wetlands. So I did a little calculation in my report. I state that there was 2830 square feet of unmapped wetlands that are going to be impacted by this project just on those five

If that sort of percentage was 1 extrapolated to the remainder of the city of 2 Concord, there would be a considerable amount 3 of additional temporary impacts and 4 5 potentially permanent impacts, as I point out for Turtle Pond, that are not only 6 7 unaccounted for, but are not factored into 8 the mitigation plan. And as the site selection committee chair, I'm concerned that 9 the ARM fund is not going to get what they're 10 11 due. Admittedly \$3.3 million is a hefty chunk of change --12 I don't want to -- I'm going to interrupt for 13 14 just a second.

So as I understand the certificate with the proposed conditions from DES, there is a condition that I believe states that if they come across additional jurisdictional wetlands, that they would have to go back to DES and reapply for a new permit --

A. That is correct.

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- Q. -- and get the permit. And I assume that could cover any additional mitigation.
 - A. That could if in fact they find a significant

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amount of additional temporary or permitted impacts.
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CHAIRMAN HONIGBERG: Dr. Van de

Poll, I know you're eager to answer Mr. Wright's

questions, but please wait until he's done so

the transcript will be better, if you can do

that.

WITNESS VAN de POLL: Certainly.

9 BY MR. WRIGHT:

- 10 Q. I want to follow up a little bit on your methodology.
- You started with originally 38 areas,

 and you ended up doing field work on -- I'm

 confused. Is it five or six?
- 15 A. Six.
- 16 Q. Okay. But your report only identified five?
- 17 A. Five.
- Q. Okay. How did you kind of narrow down from the 38 to the 5 or 6 that you actually went
- 20 out to?
- 21 A. It was somewhat random, Mr. Wright. I looked
- at areas that -- for example, the vernal
- pool, I felt since that was the only
- 24 potential vernal pool in the corridor, that I

- should check that site. And on the way to
 the vernal pool, I found two other wetlands
 that were unmapped. So it was somewhat
 random in that sense.
- 5 Q. Somewhat random, and I assume some way you could access them, assuming --
- 7 A. Yeah. I mean, access was not an issue.
- 8 0. Let me just -- in your report, your June report, Joint Muni 309, and I think you hit 9 10 on this already a little bit, but I know you 11 expressed concern when you were here the first time and this time regarding the Turtle 12 Pond area and whether those impacts would 13 14 really be temporary or permanent. And I 15 think your concerns are related to the type 16 of soils that are in that area?
- 17 A. That is correct.
- Q. Okay. There was work that was recently completed out there.
- 20 A. Yes.
- 21 Q. Have you gone back and looked at that work?
- 22 A. I did look at that work, but only from the
 23 roadside. I did not do any soil testing or
 24 explorations of the deepwater marsh portion

- of that site. 1
- So from the roadway you couldn't draw any 2 conclusion as to whether the impacts were 3 really temporary or permanent.
- It looked like there was some obvious damage 5 Α. to the surface vegetation. I could see some 6
- 7 tracking of surface water on the basis of the
- mats that were used. But I could not 8
- quantify the damage without doing further 9
- 10 work.

- 11 Just give me one second. Q.
- 12 (Pause)
- I think I'm all set. Thank you. 13
- 14 Thank you. Α.
- 15 CHAIRMAN HONIGBERG: Mr. Way.
- 16 QUESTIONS BY MR. WAY:
- 17 0. Good morning.
- 18 Good morning. Α.
- 19 Q. One thing you just mentioned I was wondering
- 20 about. You said for the unmapped areas that
- 21 you discovered in several locations, that you
- 22 could extrapolate that to other areas as
- 23 How accurate is an extrapolation?
- 24 mean, it's an extrapolation.

- 1 A. Right.
- Q. But in your field, is that something that's

 commonly done? Can you actually take

 information from one wetlands area and then

 make the suggestion that likely other wetland
- 6 areas will follow suit?
- 7 In my professional opinion, the fact that Α. 8 there were wetlands that were missed, as well 9 as inaccurately mapped, gave me pause to suspect that there were probably other sites 10 11 in the right-of-way along the entire route 12 that were perhaps in the same condition. absolutely I would not be able to confirm 13 14 that without doing the due diligence in the 15 field.
 - Q. All right. And then when we were talking about some of the field work, another thing that I heard, with me as a layperson in the wetlands, is that when you go out, you didn't see any flags.
- 21 A. That's correct.

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- Q. Is that common? Is that -- was that expected?
- 24 A. No, that was not. Typically I've been

involved with many sites where I have been asked to review existing delineations, and in all cases I have found flagging in the field.

And I'm not absolutely certain, other than the timing of their delineation work in 2015, why I wasn't seeing any flags.

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- Q. Because I'm trying to understand that if you were to go out again, and let's say you started and you did your delineations, I'm not sure how you do that without having flags to show where you started and where you stopped.
- Right. So in terms of the way I mapped it on 13 14 the maps that attended the report, I looked 15 at the distance from known points -- for 16 example, the edge of Sanborn Road. I have 17 adequate equipment to be able to measure that distance. And I also have reference points, 18 19 like the power pole that's off of Sanborn 20 Road, to see how far I was from that power pole, which is measured. So, within a couple 21 22 of feet I can point to where the edge of wet 23 was that I determined in the field, regardless of the accuracy of the GPS 24

- handheld unit, which I admit is not suitable
 for delineation purposes.
- Q. Because what I'm trying to do is get a

 sense -- for me, a flag would be essential.

 But in your field work, your industry, do you need the flags?
- 7 A. Absolutely, yeah.

Committee.

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- Q. One thing you mentioned. You said you had maps. Were those submitted to the Committee?
 Or what are those maps you're talking about?
 - A. The maps that I submitted with the June report, as you saw Mr. Miller [sic] before pointed out, was a topographic base map with the observation points. For my own field purposes, I always refer to an aerial photograph that provides a little bit more detail, which I'm happy to share with the Committee if it's of interest to the
- 20 MR. WAY: Is that of interest to the Committee?
- 22 CHAIRMAN HONIGBERG: Sounds like 23 it might be of interest to you.
- MR. WAY: Well, it might be. I'm

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looking over at Mr. Wright from DES. What's
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         your opinion?
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                         MR. WRIGHT: I would think that
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         could be of interest.
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                         MR. WAY: Let's make that
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         request.
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         Very well.
    Α.
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                         CHAIRMAN HONIGBERG: Ms. Pacik,
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         do you understand the request?
                         MS. PACIK: As long as Dr. Van de
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         Poll understands, I am confident we can get you
         the information.
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                         CHAIRMAN HONIGBERG:
                                              How long do
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14
         you think it would take to get that information?
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                         WITNESS VAN de POLL:
                                                I have the
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         print maps right here. I can make this very
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         quick and easy.
                         CHAIRMAN HONIGBERG:
18
                                               Okay.
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                         MS. PACIK: We can also provide
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         it electronically, I believe.
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                         CHAIRMAN HONIGBERG:
                                               Yeah, I
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         think for purposes of this, it's going to need
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         to be marked, and it will need to be distributed
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         in the normal course.
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Mr. Iacopino. 1

I was just going 2 IACOPINO: to say, what are we going to call that exhibit 3 that he just handed to Ms. Monroe? How are we 4 5 going to mark it?

> MS. PACIK: I think we may be up to, I believe it will be Joint Muni Exhibit 352 [sic].

9 MR. WAY: Thank you. That was 10 easy.

BY MR. WAY: 11

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- One last question, and I think we had talked 12 about this before, was the use of the 13 14 infrared technology. Just so I understand, 15 that's more in your industry like a starting 16 point --
- 17 Α. Correct.
- -- or a quality checkpoint at the end? 18
- 19 Α. Yeah, it is. The only exception to that is in the situation of mapping entire towns, wherein this is the best approximation, given the limited resources for a town to hire somebody such as myself to map the wetlands in their town. And in that case the caveat

- is always put on the map: These are
 approximations that need to be field-checked.
- 3 Q. How much of an industry standard is it to use 4 infrared, or is it more the exception?
- 5 A. I think for large-scale mapping like that, it
 6 is a standard. But for project-specific
 7 mapping, it is not. It's like you said, an
 8 indication, a first step.
- 9 Q. All right. Thank you.
- 10 A. Thank you.
- 11 CHAIRMAN HONIGBERG: Mr. Wright.
- 12 QUESTIONS BY DIR. WRIGHT:
- Q. Sorry. Just another follow-up on another area.
- 15 A. Certainly.
- 16 Q. You mentioned some concern about --
- 17 Mr. Walker mentioned the Army Corps had gone
- out and field-verified some of the mapping.
- 19 You seem to express doubt in the ability of
- 20 Army Corps or just what methods -- you were
- 21 uncertain about what methods they were using?
- 22 A. Correct.
- 23 Q. So there was no documentation on the
- 24 methodology that they used --

- 1 A. That's correct.
- 2 Q. -- and that was a concern to you.
- 3 A. That's correct.
- Q. Okay. Just one last area. The vernal pool you identified, Mr. Walker also mentioned that, as part of the DES certificate, they need to flag wetland areas before construction actually begins.
- 9 A. Correct.

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- 10 Q. Is your concern because that vernal pool
 11 doesn't show up on a map that it wouldn't be
 12 flagged? Or would you expect it to be
 13 flagged once they got out there and started
 14 flagging areas before construction?
 - A. I would expect it to be flagged. But I would also expect it to be factored into the vernal pool mitigation measures which are very significant and important, given that only four vernal pools are noted in the entire 192 miles that are going to be permanently impacted. And so being the only one in the right-of-way in Concord, I was particularly concerned about that.
 - Q. And there was no man-made features to this

- 1 vernal pool that you saw?
- 2 A. No. It's a naturally occurring vernal pool.
- 3 Q. Okay. Thank you.
- 4 CHAIRMAN HONIGBERG: Commissioner
- 5 Bailey.
- 6 QUESTIONS BY COMMISSIONER BAILEY:
- 7 Q. Good morning.
- 8 A. Good morning.
- 9 Q. In your original testimony you talk about the impact on the Karner blue butterflies from
- 11 the lupine.
- 12 A. Yes.
- 13 Q. We got an e-mail on Monday saying that the
- area identified the area impacted -- the
- 15 lupine area impacted by the Project was
- miscalculated or something, and it was off by
- 17 a factor of three. And your testimony says
- 18 that the Applicants stated that over
- 60 percent of the wild lupine population upon
- 20 which the Karner blue depends will be
- impacted by the construction efforts, and
- it's acknowledged by the Applicant that these
- 23 unavoidable impacts will result in permanent
- loss of an estimated 208 butterfly eggs.

If the lupine was off by three, are the eggs off by three? Is it that simple? Or how do you --

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- Yeah, that's a difficult ratio to estimate. I think everybody concerned knows that the 208 eggs was an estimate, the best quesstimate at that time. But finding Karner blue butterfly eggs is not easy, so they likely missed a bunch anyway. So the lupine tends to be this sort of indicator plant for the population extent based on that critical attachment of the egg to the plant. that, there are a number of other, what the biologists, particularly Mike Amirault, pointed to as secondary plants that are used for nectar resources for the butterflies that are equally as important. So therein lies another concern: The focus was just on the lupine and not at all on these other secondary plants.
- 21 Q. Were you aware of that correction to the --
- 22 A. No, I was not aware of that correction.
- Q. You also mentioned in your testimony that you had, in your most recent testimony, that you

- had experience in transplanting a lupine
 patch.
- 3 A. Yes.

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4 Q. How successful was that?

result of that.

- 5 A. That was successful.
- 6 Q. So it can be done.
- 7 A. It can be done, absolutely. Yeah, this was the Wal*Mart and Sam's Club in Concord.
- 9 Q. Okay. Do you have any recommendations for,

 10 if we approve this, what kind of conditions

 11 we could place on granting a certificate to

 12 deal with this pretty big change?
 - A. Again, I think due diligence in the field is required prior to finalizing any mitigation plan. As much as they are required, and as much as the conditions of the permit state they are required, I haven't seen the details, other than the avoidance and minimization measures, of how they will address these new findings as they go out into the field and begin their construction. And there's a lot that could be missed as a

So, unfortunately, I don't have specific

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         recommendations without having actually done
         the field work to see what impacts are going
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         to take place.
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    Q.
         Okay.
                Thank you.
                         CHAIRMAN HONIGBERG:
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                                               Are there
         other questions from members of the Committee?
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7
                [No verbal response]
8
                         CHAIRMAN HONIGBERG:
                                               Seeing none,
9
         Ms. Pacik, do you have any redirect?
10
                                      I do.
                         MS. PACIK:
                                             Thank you.
11
                    REDIRECT EXAMINATION
    BY MS. PACIK:
12
         Dr. Van de Poll, the last time you were here,
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         you were asked by Ms. Weathersby about soil
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         compaction and whether you were familiar with
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         studies showing that soil compaction can
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         actually result in permanent wetland impacts.
               In terms of your own observations in the
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         field, have you been able to identify
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         permanent impacts resulting from soil
21
         compaction?
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         I have.
    Α.
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         And can you explain that to the Committee,
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         please?
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I provided some information in my prefiled Α. testimony about a site in Rindge along the Eversource right-of-way where a new pole was placed and mats were laid down in a scrub-shrub wetland. I took pictures and added those to the prefiled that indicated some deep ruts in the -- along the access road for that new power pole. And those ruts are transmitting water on about a two- or three-percent slope in a fashion that's very different than the scrub-shrub swamp that was there at one time. So that was my first and most recent indication that there could be some issues.

I've also been involved with a number of different projects with deep peatland soils. And one of the tenets of the dredge and fill regulations under RSA 42-A, for example, skidder ruts are actually considered dredges of wetlands. Now, if we were to try and identify how many skidder ruts are out there in the field, I think we'd spend the rest of our lives. It's unreasonable. But the point being that in a number of sites that I've

worked at over the last 25 years or so, I've noted that these types of impacts are in fact not perhaps forever, forever, but a long, long-term impact that do things like attract wood frogs to lay eggs in skidder ruts, which then overheat, dry out and kill the natal population of that individual. Well, those are the kind of concerns I had with the Turtle Pond site. And I did a little bit more research.

I think Ms. Weathersby asked me about soil compaction studies last time. And the one that was of particular interest was in Ecological Engineering, Volume 39 from February 2012, which was a three-year study noted as "The Legacy of Pipeline Installation on the Soil and Vegetation of Southeast Wisconsin Wetlands," which studied the impacts of a buried pipeline, not unlike burying a transmission line, and how those long-term impacts affected both the soil and the vegetation along that pipeline route. So that's one.

The federal government, or the U.S.

Forest Service, actually had wetland crossing BMPs that advises people who are doing work in wetlands to avoid soil compaction and avoid the change in hydrology by practicing -- following certain practices.

And so they're very attuned to that. And then there's a very good study on soil compaction of wetlands by Lucy Wang, Amber Williams, and Amina Mohamed, that was part of the Department of Resources -- Department of Natural Resources, excuse me, in the midwest. And that also summarized studies. That's sort of a compendium of studies that looked at soil compaction effects of a long transmission line.

So there is a little bit out there to take a look at. And that's my point here, simply that I believe those temporary impacts which have a dollar figure attached to them are not necessarily temporary.

Q. In terms of Turtle Pond, there were some questions you received about your recent review of it. When you went out, I understand that you -- actually, your boot

- went down below the water even in winter conditions; is that correct?
- 3 A. Yes, that's correct.
- Q. Based on your professional experience, how
 likely is it, in your opinion, that using
 matting in the winter will be insufficient to
 address the wetland impacts over by Turtle
 Pond?
- 9 A. I don't believe that it will ever completely freeze over.
- 11 Q. Okay. In terms of the Army Corps of
 12 Engineers, have you worked with the Army
 13 Corps of Engineers in the past on some of the
 14 projects you've been involved with?
- 15 A. A number of times, yes.
- 16 Q. And based on your experience, what type of
 17 review of wetlands do they perform? What's
 18 the process that they use?
- 19 A. Depends on the project site and the amount of
 20 impacts. And therein lies some of my
 21 question before with Mr. Miller [sic] about
 22 what the actual details were of their review.
 23 But normally it's a walk-through. I don't
 24 see data forms being filled out. I don't see

- soil loggers going in. I don't see plant 1 calculations being done, unless it's a 2 research-based initiative on the Army Corps' 3 part. With all due respect, they're 4 excellent technicians. It's just that 5 they're not hired necessarily to redo a 6 7 delineation that they're checking in the That's typically done by a third 8 field. 9 party.
- 10 Q. And, for example, if a wetland was completely
 11 missed, such as the one that you found on
 12 Appleton Street, they're not going along the
 13 entire corridor to see if areas were missed,
 14 are they?
- 15 A. No, they are not.
- Q. In terms of the original report that you did
 December 30th, 2016, when you used infrared,
 in addition to using infrared to identify
 locations on the list you provided, did you
 also have some firsthand familiarity with the
 areas that you were looking at in Concord?
- 22 A. I did.
- Q. And how was it that you were familiar with some of those wetland areas?

- 1 The site off Portsmouth Street was the site Α. 2 of a proposed development, and I was asked by Sharon Environmental Consulting to do an 3 endangered species survey of that site. 4 was out there, I believe it was October --5 I'd have to look for that exact date -- and 6 7 walked that power line right-of-way for about 8 300 yards or so from Portsmouth Street.
- 9 Q. Okay. So you are familiar with some of the areas in Concord.
- 11 A. That particular place, yes.
- Q. Okay. And you were criticized for not providing infrared photographs to either apparently the Applicant or the Site Evaluation Committee. In discovery, you did provide information about where they could locate the infrared photographs; is that correct?
- 19 A. That's correct.
- Q. And for individuals familiar with wetlands,
 how hard is it to use the information you
 provided to actually locate the photographs
 that you were referencing?
 - A. It's very easy.

- Q. Okay. And in terms of the GPS unit, Attorney
- 2 Walker had asked you about the one you used
- 3 versus the one that Normandeau used.
- 4 Apparently the one that Normandeau used was
- 5 more accurate; is that correct?
- 6 A. Yes.
- 7 Q. But in terms of wetlands that were completely
- 8 missed, the accuracy of a GPS wouldn't make a
- 9 difference in that situation, would it?
- 10 A. The accuracy -- it depends on the unit being
- used.
- 12 Q. But, for example, Appleton Street, they never
- went to, correct, to even delineate it?
- 14 A. I'm not aware of their procedure at that
- 15 location.
- 16 Q. Okay. But how comfortable are you that the
- 17 number that you put forth in your testimony
- is accurate?
- 19 A. I feel very comfortable. I'll stand by those
- 20 numbers.
- 21 Q. Attorney Walker showed you Joint Muni 309,
- 22 which was your check in June on accuracy of
- the wetlands. And the one he focused on was
- 24 Sanborn Road. Sanborn Road, you do agree

- Normandeau appropriately delineated; correct?
- 2 A. Correction. And Mr. Walker pointed this out.
- In that report, I noted that the delineation
- was not quite correct but that there was no
- further impact; in other words, the wetland,
- 6 CD44, went further to the north and west, but
- 7 it did not go into the area where the
- 8 transmission pole was going to be impacted.
- 9 Q. Okay. So there were some inaccuracies. But
- in terms of impacts from the proposed
- construction, you were okay with the amount
- 12 that they estimated?
- 13 A. Yeah, that is the same.
- 14 Q. Okay. But Attorney Walker did not reference
- 15 the other four locations that you looked at,
- 16 all of which you did find errors at; is that
- 17 correct?
- 18 A. Yes.
- 19 Q. Okay. And he also asked you a question about
- 20 the fact that this information was provided
- in November. But you're aware that during
- the cross-examination of Ms. Carbonneau, the
- 23 City of Concord actually notified her that
- you had confirmed during the growing months

- that they missed locations; is that right?
- 2 A. Yes.
- Q. And it's your understanding that they had not gone out at any point to check whether or not those areas were missed?
- 6 A. As far as I know, no.
- Q. Okay. And in terms of the DES requirements
 that further wetland delineation occur during
 the construction, if the construction occurs
 during the winter months, how likely is it
 that the individuals in the field will be
 able to do that delineation and to assess
 wetland impacts?
- A. It's not very likely unless the conditions
 are suitable and the technician is very good.
- Q. Okay. So, in terms of that requirement, how comfortable are you with having the Site

 Evaluation Committee rely on that condition in the DES permit?
- 20 A. I'm not very comfortable at all.
- Q. In terms of transplanting lupine, you mention
 you were successful for a Wal*Mart project.

 The area that you transplanted the lupine in
 for the Wal*Mart project, how does that

- compare to the proposed mitigation parcel 1 2 being looked at by Northern Pass on Regional Drive for this project? 3 It is suitable for supporting lupine, but it 4 Α. will take a number of years for that 5 suitability to pay off. You can't very well 6 just plant a single lupine plant, or even 7 8 several, and expect them to be immediately 9 occupied by an expanding population that's not behaviorally adapted to that site. 10 And the Regional Drive site, you've been out 11 Q. to that site; correct? 12 That is correct. 13 Α. And the condition of that site, it's fair to 14 Q. 15 say, would be rather sandy and needs some
 - MR. NEEDLEMAN: Mr. Chair, I'm going to object. This is beyond the scope of redirect at this point. This could have been included.

rehabilitation work before lupine can grow

CHAIRMAN HONIGBERG: Ms. Pacik.

MS. PACIK: The question relates

to the ability to regrow lupine. And I think to

16

17

18

19

20

21

there?

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the extent that Dr. Van de Poll explained that
1
         it can be regrown, I think it's important for
2
         the Committee to understand what conditions this
3
         parcel has versus where he's worked previously.
4
5
                         CHAIRMAN HONIGBERG:
                                               Yeah, I
         understand why you would want his testimony in.
6
7
         But why is it appropriate redirect? What
8
         questions were asked that you need to -- that
         are appropriate follow-up on redirect?
9
10
                         MS. PACIK:
                                     I believe
11
         Commissioner Bailey asked the question about
         whether or not he's been able to regrow lupine
12
         in the past successfully.
13
14
                         CHAIRMAN HONIGBERG:
                                               I don't
15
         think that's exactly the question she asked.
16
         But you're following up on Commissioner Bailey's
17
         questions?
                         MS. PACIK:
18
                                     I am.
19
                         CHAIRMAN HONIGBERG: All right.
20
         You may proceed.
21
    BY MS. PACIK:
22
         Do you recall what I was asking you, Dr. Van
23
         de Poll?
         Yes. Again, I think this site is a suitable
24
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```
site for lupine to grow. But it will take a
1
2
         number of years before it can establish
         because it requires a certain type of soil
3
         condition and a certain type of soil age
4
5
         where the microsia develop in the soil
         sufficiently to provide the compatible plants
6
         with lupine. Lupine doesn't grow by itself
7
         in a sandy bank, for example. It takes a
8
         while.
9
         Okay. Even though you didn't field-check
10
    0.
11
         every single location on your list, how
12
         confident are you that there are areas in
         Concord that are more likely than not to have
13
         been missed?
14
15
                         MR. NEEDLEMAN:
                                         Objection.
                                                      This
16
         is just expansive testimony at this point.
```

18

19

20

21

22

23

24

MS. PACIK: This is following up on questions from the Site Evaluation Committee about the fact that Dr. Van de Poll did not go out and do a field check on every single question. I think it was Director Way that had asked that particular question.

CHAIRMAN HONIGBERG:

CHAIRMAN HONIGBERG: And what's

Ms. Pacik.

```
65
         your question again?
1
2
                         MS. PACIK: The question was,
         even though Dr. Van de Poll did not go out and
3
         field-check every area on the list, whether or
4
         not he's comfortable that it's more likely than
5
         not that other areas were missed.
6
7
                         CHAIRMAN HONIGBERG: Yeah, isn't
8
         that exactly the same question that has already
         been asked? I mean, I think we know the answer
9
         to the question. I mean, is there any doubt
10
11
         about what he's going to say? That question was
         probably asked last time, too. Sustained.
12
                         MS. PACIK: Okay.
13
                                            That's fine.
    BY MS. PACIK:
14
         Dr. Van de Poll, based on your field review,
15
    0.
         do you have an estimate of how much more
16
17
         extensive the wetland impacts in the city of
         Concord are as a whole?
18
19
                         MR. NEEDLEMAN:
                                         Same objection.
20
                         CHAIRMAN HONIGBERG:
                                              Ms. Pacik, I
21
         want to hear, "During the questioning, so-and-so
22
         asked you X. What else do you need to tell us
23
         regarding that issue?"
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MS. PACIK: Okay. With that, I

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1
         do think that all of my questions are asked.
2
         Let me just doublecheck my notes, please.
                (Pause)
3
                         MS. PACIK: I think that's
4
5
         everything. Thank you.
6
                         CHAIRMAN HONIGBERG:
                                              Thank you,
7
         Dr. Van de Poll. We appreciate your testimony.
                         WITNESS VAN de POLL: Thank you
8
9
         very much.
10
                         CHAIRMAN HONIGBERG:
                                              We have
11
         another witness to get up and in position.
         We'll go off the record and make that happen.
12
                (WHEREUPON, RAYMOND LOBDELL was duly
13
14
               sworn and cautioned by the Court
15
               Reporter.)
16
                    DIRECT EXAMINATION
17
    BY MS. MANZELLI:
         Thank you. Good morning, Mr. Lobdell.
18
    Q.
19
    Α.
         Good morning.
20
         All right. I want to make sure you have your
21
         prefiled testimony in front of you. So you
22
         should have SPNF 63, which is your
23
         December 30, 2016 prefiled testimony.
24
         includes three exhibits. Exhibit 1 is your
```

- 1 resume information; Exhibit 2 is the
- 2 supplement to the draft Environmental
- 3 Statement; and Exhibit 3 is the June 14, 2000
- 4 [sic] letter from the EPA. Do you have that
- 5 before you?
- 6 A. Yes.
- 7 Q. And do you also have SPNF 67, which is your
- 8 April 17th 2017 supplemental prefiled
- 9 testimony, which includes two exhibits:
- 10 Exhibit A are select pages from the Army
- 11 Corps Highway Methodology, and Exhibit B is
- an example of the Normandeau Wetland
- 13 Functions and Values. Do you have that
- 14 before you?
- 15 A. Yes.
- 16 Q. Now I want to go over updates to your
- 17 testimony. You included in your testimony
- 18 information from the Department of Energy's
- 20 A. Correct.
- 21 Q. Now, I understand you have several updates to
- your December 30th testimony, SPNF 63, as a
- result of the Department of Energy publishing
- the final Environmental Impact Statement as

- opposed to the draft; is that correct?
- 2 A. Correct.
- 3 CHAIRMAN HONIGBERG: Off the
- 4 record.
- 5 (Discussion off the record.)
- 6 BY MS. MANZELLI:
- 7 Q. Do you see this image on your screen?
- 8 A. Yes.
- 9 Q. Okay. This is Applicant's Exhibit 205. Is
- 10 this the final Environmental Impact Statement
- 11 that I referenced?
- 12 A. Yes.
- 13 Q. So what I put on the screen is what I've
- marked SPNF 271, which is a cheat sheet with
- 15 which we have attempted to document the
- 16 several updates to your testimony to make
- 17 this update a little bit easier.
- 18 Now, looking at the cheat sheet, I want
- to walk through No. 3 as an example. If you
- were to look at Page 5 of 17 of your
- December 30, prefiled testimony, at Line 8
- you said, "The Project calls for 95 acres of
- 23 wetland impact." Are you with me?
- 24 A. Yes.

- Q. Okay. And now what you're doing is you're updating to replace that "95" with "208," based on the final figures in the final
- 4 Environmental Impact Statement; correct?
- 5 A. Correct.
- Q. And all of your updates that I'm showing here
 on SPNF 271, all of them are the same. They
 result from updating figures in the now
 outdated draft Environmental Impact Statement
 with the current final Environmental Impact
 Statement; correct?
- 12 A. Correct.
- Q. Have you had a chance to review this cheat sheet, SPNF 271?
- 15 A. Yes, I have.
- Q. And is this an accurate summary of all the updates to your testimony?
- 18 A. Yeah.
- MS. MANZELLI: So at this point,

 Mr. Chairman, I'm happy to walk through all of

 the individual updates if you or any party

 wishes me to. But to keep things moving along,

 I'm just as happy to simply file this exhibit

 and leave it at that.

1 CHAIRMAN HONIGBERG: Yeah, I

don't think we need you to do that. Thank you.

MS. MANZELLI: Okay. Thank you.

- 4 BY MS. MANZELLI:
- 5 Q. Mr. Lobdell, with these updates, do you
- 6 hereby adopt and swear to your prefiled
- 7 testimony?
- 8 A. Yes.
- 9 Q. All right. I have a couple questions for
- 10 you. Going back to the final Environmental
- Impact Statement, and the fact that since you
- 12 prepared your prefiled testimony the
- Department of Energy has published its final
- 14 Environmental Impact Statement, Applicant's
- 15 205, does that final document versus the
- 16 draft document reach a different conclusion
- 17 with respect to what route would be the least
- 18 impacting route?
- 19 A. No, I believe the Alternative 4s, which are
- 20 the bury alternatives, are still the least
- 21 impacting.
- 22 Q. I want to talk with you about restoration and
- replanting stakes. Now, just in terms of the
- terminology, am I correct to understand that

- a stake is a woody cutting that you put in the ground to replant for purposes of
- 3 restoration, just so everybody knows what
- 4 we're talking about?
- 5 A. Yes.
- Q. And are you familiar with the recommendation
 from the USDA NRCS Engineering Field Handbook
 for two- to three-foot spacing for live
- 9 stakes?

Yes.

Α.

- 11 Q. Are you aware that Ms. Carbonneau testified
- at the hearing on June 20th of this year that
- that recommendation does not apply to this
- 14 project?
- 15 A. Yes.
- 16 Q. And do you believe that this recommendation
- 17 applies to this project?
- 18 A. Well, it could in some circumstances. The
- 19 USDA's recommendation is when the vegetation
- is pretty much absent to the site. And
- 21 because these dormant stakes have a tendency
- 22 to die, you put them in at a very high
- density in hopes that 50 percent or more of
- 24 them survive.

- Q. So are you saying that in some cases in this project it could apply and in some cases it may not apply?
- 4 A. Correct.
- Q. And tell me specifically what would that depend on?
- Well, it would depend on the amount of 7 Α. disturbance of the site. So if all 8 vegetation was killed or if the bulldozer, 9 10 excavator, that type of thing had stripped 11 the vegetation, particularly on a stream bank or some sensitive area, then you need to 12 plant a higher concentration than if it was 13 14 just planting in existing vegetation.
- Q. And you're aware that the Applicant calls for planting densities of either 500 or 100 per acre; correct?
- 18 A. Yes.
- Q. So are you saying in certain circumstances a planting density greater than 500 or 100 would be required?
- 22 A. Yes.
- Q. And do you see anything in the Application or anything from DES that accounts for the

- possibility that a greater density might be needed?
- A. Well, it's very possible with the amount of temporary impacts that are proposed, the mats could be left to the point where the vegetation all dies off, or there could be disturbance on some of the stream crossings.
- 8 Q. But what I'm asking is -- you've looked at the Application; right?
- 10 A. Correct.
- 11 Q. And you've seen the materials from DES,

 12 including the March 1st recommendation to

 13 approve the various DES permits?
- 14 A. Yes.
- Q. Do you see anything in those documents that acknowledges the possibility that a greater planting density might be needed?
- 18 A. No.
- Q. I want to talk with you -- I have a couplequestions about wetland functions and values.

21 Are you aware that Ms. Carbonneau
22 testified at the hearing on June 16th of this
23 year that, if you have a wetland and that
24 wetland is converted to a different type of

```
wetland, and that wetland is never, ever
1
        going to go back to its original condition,
2
        it is forever going to remain as that
3
        different type of wetland, her testimony was
4
5
        that that is a permanent change, yet not a
        permanent wetland impact because the size of
6
7
        the wetland would not change. Are you aware
8
        of that testimony?
```

9 A. Yes.

- 10 Q. And do you agree with that?
- A. No. I believe a change in the function of a wetland is a permanent impact.
- 13 Q. And are you aware that Ms. Carbonneau
 14 testified at the hearing on June 16th that
 15 the primary purpose of performing a Functions
 16 and Values Assessment in this case, that the
 17 primary purpose in this case was not for
 18 avoidance and not for minimization, but it
 19 was for mitigation? Are you aware of that?
 - A. I'm aware of it, yes.
- 21 Q. And do you agree with that statement?
- 22 A. No. I believe that while functions and
 23 values are required for Section 800 of the
 24 mitigation in the wetland rules, it's also

- required under 304.02, the so-called "20

 Questions," Attachment A of the New Hampshire

 Wetlands Application, where I believe it's

 Question 17 asked for functions and values of
- the total wetland.
- Q. So, just to kind of go back to basics, the
 legal requirements with respect to wetlands
 are threefold: To avoid, to minimize and to
 mitigate; correct?
- 10 A. Correct.
- Q. And are you saying that the Functions and
 Values Assessment is related to all three of
 those legal requirements?
- 14 A. I believe it is, yes.
- 15 Q. I want to talk about EPA real quickly.
- In your prefiled testimony you said that

 others share your opinions. And you cited to

 the Environmental Impact Statement from the

 Department of Energy, and to the letter from

 EPA from the summer of 2016; correct?
- 21 A. Correct.

- Q. Since that time, has anyone else shared your opinion?
 - A. The EPA has reinforced it in their second

- 1 letter, yes.
- 2 Q. And is this the letter you're referring to?
- 3 A. Yes.
- 4 Q. And I've marked that SPNF 268. This is a
- 5 September 26, 2017 letter on EPA letterhead.
- And are you familiar with this letter?
- 7 A. Yes.
- 8 Q. What's the gist of this letter?
- 9 A. Well, basically they're saying that the
- 10 alternative is not the least impacting to
- 11 wetlands.
- 12 Q. Meaning the route that is under consideration
- for this project, EPA feels it is not the
- 14 least impacting alternative?
- 15 A. Correct.
- 16 MS. MANZELLI: I have no further
- questions for Mr. Lobdell. He is available.
- 18 CHAIRMAN HONIGBERG: Mr. Pappas.
- 19 Off the record while Mr.
- 20 Pappas is coming up.
- 21 (Discussion off the record.)
- 22 CHAIRMAN HONIGBERG: Whenever
- you're ready, Mr. Pappas.
- MR. PAPPAS: Thank you, Mr.

1 Chairman.

2 CROSS-EXAMINATION

- 3 BY MR. PAPPAS:
- 4 Q. Good morning, Mr. Lobdell. I'm tom Pappas.
- 5 I represent Counsel for the Public.
- 6 A. Good morning.
- 7 Q. Let me follow-up on something you just
- 8 testified about, and that was the live
- 9 staking. Do you recall that testimony?
- 10 A. Yeah.
- 11 Q. And you indicated that in certain areas you
- believe there is going to be a need for
- 13 greater plant density than proposed by the
- 14 Applicants; is that right?
- 15 A. Yes.
- 16 Q. Do you have a suggested condition, should
- 17 this project get a permit, that would provide
- 18 for the greater density of planting that you
- 19 think might be necessary?
- 20 A. No, I think that the USDA standard that was
- 21 previously mentioned is the highest density
- 22 necessary, and then the density would vary
- depending upon the site and the conditions.
- 24 Q. Do you -- okay. So let me ask you some

- questions about how the Applicants calculated wetlands.
- Now, in your prefiled testimony you
- 4 indicated the Applicants state that there
- will be 2.5 acres of permanent impacts and
- 6 139 acres of temporary impacts. Do you
- 7 recall that?
- 8 A. Yes.
- 9 Q. And the temporary impacts mostly relate to
- 10 either the access roads that will be built to
- 11 provide construction or the crane pads that
- 12 will be used to actually build structures.
- 13 Do you recall that?
- 14 A. Yes.
- 15 Q. Okay. And the Applicants only calculated the
- amount of wetlands impacted by the Project by
- 17 only looking at wetlands within the
- 18 right-of-way boundaries; correct?
- 19 A. Correct.
- 20 Q. Now, do you agree that a wetland is a unified
- 21 system?
- 22 A. It can be, yes.
- 23 Q. Okay. And if a wetland extends outside the
- right-of-way, does the entire -- do you think

- the entire wetland should be evaluated for
- 2 potential impact as opposed to just the
- 3 wetland within the right-of-way boundary?
- 4 A. Yes.
- 5 Q. Let's go to an example. Is there something
- on the screen in front of you, sir?
- 7 A. Yes.
- 8 Q. What's on the screen is Bates Stamp
- 9 Page 68115 from Applicant's Exhibit 201. And
- I want to draw your attention to Parcels 9710
- and 9709. And if you look, they're on the
- right-hand side of this map. Do you see, for
- instance, 9710 on the right-hand side, sort
- of the top part?
- 15 A. Could that section be enlarged, please?
- 16 Q. Yeah.
- 17 (Pause)
- 18 Q. So now can you see 9710?
- 19 A. Yes.
- 20 Q. And do you see below it 9709?
- 21 A. Yes.
- 22 Q. And you see that the right-of-way goes
- through those two parcels. Do you see that?
- 24 A. Yes.

- Q. Or at least it goes through a little bit of one of them. And then do you also see that wetlands are indicated both within the right-of-way that goes through those parcels, as well as extending past the right-of-way on both sides of the right-of-way?
- 7 A. Yes.
- 8 (Pause)
- 9 Q. Okay. Do you have something on the screen in front of you?
- 11 A. Yes.
- Q. This is Bates Stamp 67707 from Applicant's
 Exhibit 200, which is the Alteration of
 Terrain maps. And we see those same two
 parcels if you look -- it's a little hard to
 see, but it's 21033 and 21041. They're the
 ones in the middle, okay. Can you see that?
- 18 A. Yeah.
- 19 Q. All right. So what we're seeing here is
 20 those same parcels on the prior map. And you
 21 can see the right-of-way and you can see the
 22 crane pad and the access road from either
 23 side of that crane pad in that wetland area.

Do you see that?

- 1 A. Correct.
- Q. And we can see where it shows the yellow with the dots that will indicate the use of
- matting to work in that wetland area. Do you
- 5 understand that?
- 6 A. Yes.
- Q. Okay. Now, there was testimony previously
- 8 that within the right-of-way, 5.3 acres of
- 9 wetland would be included, but the whole
- wetland area is approximately 25 acres. I'll
- represent to you that was Mr. Berglund's
- 12 testimony earlier in this proceeding. And
- 13 there's also been testimony, and you can see
- from the map, that what will be done in this
- 15 right-of-way is, after the access roads are
- built, they'll be removing an existing
- 17 transmission line, relocating that line and
- then also constructing the Northern Pass
- 19 transmission line within this section of the
- 20 right-of-way. Do you understand that?
- 21 A. Yes.
- 22 Q. Now, is it your view that wetlands outside of
- the right-of-way in this area, for instance,
- will also be impacted in addition to any

```
impacts to wetlands within the right-of-way?
1
2
                         MR. NEEDLEMAN: Objection.
         is in the testimony, and it's just an expansion
3
         of things that could have easily been there.
4
5
                         CHAIRMAN HONIGBERG:
                                              I'm kind of
6
         assuming that Mr. Pappas is setting something
7
         up.
                                      I am, and the next
8
                         MR. PAPPAS:
9
         question is -- this is the setup for the next
         question.
10
11
                         CHAIRMAN HONIGBERG:
                                               The next
         question is the punch line.
12
                         MR. PAPPAS: You got it.
13
         I cannot tell without -- from the information
14
    Α.
15
         provided whether there would be any impact to
16
         this wetland beyond the right-of-way.
17
    BY MR. PAPPAS:
         Okay. Let me ask you this question:
18
    Q.
19
         on your experience and knowledge and your
20
         work on this project, do you have an estimate
21
         or order of magnitude of the amount of
22
         additional wetlands that would be impacted
         beyond the right-of-way? 'Cause you
23
```

testified that you believe there will be

1	impacts beyond the right-of-way, and I want
2	to know whether you have an estimate or order
3	of magnitude of what those additional impacts
4	would be.
5	MR. NEEDLEMAN: Same objection.
6	This could have easily been included in the
7	testimony. And I also don't believe it's
8	relevant, separately.
9	CHAIRMAN HONIGBERG: Mr. Pappas.
10	MR. PAPPAS: Well, I think it's
11	certainly relevant. He testified, and other
12	witnesses testified, that the impacts will be
13	beyond the right-of-way. So in order for the
14	Committee to understand the full impacts to
15	wetlands, I think they need to find out what
16	this witness knows or believes to be those
17	impacts. And he testified that the impacts will
18	extend beyond the right-of-way, so I think it's
19	appropriate to ask him whether he has an
20	estimate of the amount.
21	CHAIRMAN HONIGBERG: And this was
22	not in his original testimony?
23	MR. PAPPAS: I don't believe he
24	quantified in his original testimony, and that's

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what I'm asking him to do, if he can quantify.

My recollection is he testified that there will

be impacts, but I don't recall quantification.

So that's my question, whether he has quantified it.

CHAIRMAN HONIGBERG: Overruled.
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8 BY MR. PAPPAS:

7

9 Q. Do you recall the question?

He can answer.

- 10 A. Repeat the question, please.
- 11 Q. Sure. Based on your work in this case, your
 12 experience and knowledge, do you have an
 13 estimate or some order of magnitude for the
 14 amount of additional wetland impacts beyond
 15 impacts within the right-of-way?
- 16 A. No.
- Q. Okay. Let me ask you just a few questions
 about how the Applicants evaluated wetlands.

Now, on the screen in front of you is

Counsel for the Public's 665, which is a copy

of the Army Corps of Engineers Highway

Methodology Workbook. Do you see that?

23 A. Yes.

24

Q. You're familiar with this workbook; are you

- 1 not?
- 2 A. Yes.
- 3 Q. And the methodology used in this workbook is
- 4 used for permitting under various
- 5 environmental statutes; is that right?
- 6 A. Yes.
- 7 Q. And I believe you testified earlier that that
- 8 methodology is considered industry standard?
- 9 A. Yes.
- 10 Q. Yeah. And would you agree with me that the
- 11 Applicants used or claimed to use this
- methodology in this workbook to evaluate the
- wetlands within the right-of-way?
- 14 A. Yes.
- 15 Q. Now, in your prefiled testimony, you detailed
- 16 how you believe the Applicants misapplied the
- 17 methodology, so I don't need to walk you
- 18 through it because the Committee can read it
- in your prefiled testimony.
- 20 A. The question is?
- 21 Q. I'm going to get there when I turn the page.
- 22 Trying to save a little time.
- Let me just ask just a couple other
- 24 setup questions, if you will.

- 1 A. Sure.
- 2 Q. You also talked about the form, and you
- attached it to your testimony that goes along
- 4 with this workbook; correct?
- 5 A. Correct.
- 6 Q. And you attached the form that the
- 7 Applicant's consultant, Normandeau, used. Do
- 8 you remember that?
- 9 A. Yes.
- 10 Q. Now, Normandeau's form didn't use two parts
- of the Army Corps of Engineers' forms. Do
- 12 you recall that?
- 13 A. Well, I recall that what I focused on
- 14 primarily was the fact that there was not a
- 15 Rationale section for their determination of
- what functions and values the wetlands had.
- 17 Q. Okay. Let me do this. What's on the screen
- now is Counsel for the Public Exhibit 666.
- 19 Do you see that?
- 20 A. Yes.
- 21 Q. And this is the Wetlands Function and
- Valuation Form that is part of the Army
- 23 Corps' methodology; correct?
- 24 A. Correct.

- 1 Q. And it has a section for Rationale. Do you
- 2 see that?
- 3 A. Yes.
- 4 Q. It also has a section for Comments. Do you
- 5 see that?
- 6 A. Correct.
- 7 Q. And it has the various functions and values,
- and next to each function and value there's a
- 9 place for rationale and a place for comments;
- 10 correct?
- 11 A. Correct.
- 12 Q. Okay. What's on the screen now is Counsel
- for the Public Exhibit 667, which is the form
- 14 that Normandeau Associates created for the
- 15 Northern Pass Project; correct?
- 16 A. Correct.
- 17 Q. And if you look at this form, they have a
- 18 listing of the functions and values, but they
- 19 don't have the two columns we just saw on the
- 20 Army Corps of Engineers form for rationale
- and comments; correct?
- 22 A. Correct.
- 23 Q. Now, first let me ask you: Have you ever
- seen in a project that you've been involved

- with that used the Army Corps of Engineers
- 2 methodology, but did not use the Army Corps
- of Engineers form, but instead used a form
- 4 similar to the Normandeau form?
- 5 A. Yes.
- 6 Q. You've seen other people --
- 7 A. Or, no forms at all.
- 8 Q. No forms at all?
- 9 A. Right.
- 10 Q. And have you seen people use -- well, let me
- 11 back up for a minute.
- 12 Have you seen people claim to follow the
- 13 Army Corps of Engineers methodology but not
- 14 use their form?
- 15 A. Yes. I do so myself.
- 16 Q. Okay. And when you do that, do you follow,
- 17 nonetheless, the methodology listed in the
- 18 Army Corps of Engineers handbook?
- 19 A. Yes, and I also place the rationales I use
- 20 for determining what functions are involved
- 21 with that wetland.
- 22 Q. So would I be correct in saying that whether
- or not you use the Army Corps of Engineers
- form, you address all of the items that we

including that information in the valuation.

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- saw on the form, such as rationale?
- 2 A. Right.

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- Q. Okay. Tell us briefly why it's important or the purpose of having the Rationale column and the Comments column, or at least
- 7 A. Well, it's important because the reason for
 8 doing the entire assessment is to determine
 9 the functions and values of the wetland
 10 you're assessing. And without knowing what
 11 those rationales are for determining whether
 12 that function or value exists, it's difficult
- Q. Okay. So, in the Normandeau evaluation they
 determined that there was two percent of high
 quality wetlands. Do you recall that?

to understand the true value.

- 17 A. Yes.
- Q. Now, do you believe that the Applicant's, as
 you describe, "misuse" of the Army Corps of
 Engineers methodology resulted in rating too
 few wetlands as "high quality" wetlands?
 - A. Well, the Corps methodology does not recommend adding up all of the various functions and values and putting a numerical

rating on it and coming up with a overall numeric number for the wetland. And that's what was done in this case, where I believe they set up a point system where each function that it had got one point, principal functions got two points, and if a wetland had 14 points, it was rated as "high quality." And that, in my opinion, is a misuse of the system because they don't -- the Corps does not recommend putting those numbers on it to come up with a total number.

- Q. And do you believe that by employing that misuse of the system, it resulted in rating too few wetlands as "high quality" wetlands?
- A. Yes, I do, because a wetland can have just one function that's very important and it has high function in that value or in that function. And so the wetland can be very valuable, but it wouldn't show up under this system as in their list of high quality wetlands.
- Q. Okay. Now, based on your experience, knowledge and work in this case, do you have any estimate or order of magnitude of the

- amount of high quality wetlands that might be present as opposed to the two percent?
- Well, I've done a number of town-wide wetland 3 Α. assessments, and I think the number will be 4 5 substantially higher. And if we look at the Fish & Game's Wildlife Action Plan and the 6 7 wetlands shown in that, about 50 percent of the wetlands ranked as having "high" value 8 habitat. So I think that we could -- I could 9 10 say professionally that I think that two or 11 three percent of the wetlands that ranked as "high" value was very, very low. 12
- Q. Do you have a range of what you would expect to find for high quality wetlands?
- 15 A. No, I don't.
- Q. But you think it's significantly higher than two percent.
- 18 A. Certainly.
- Q. Let me ask you a few questions about the
 Applicant's testimony about temporary
 impacts.

Now, the Applicant, as we indicated
earlier, estimated that 139 acres of wetlands
within the right-of-way would be temporarily

- 1 impacted. Do you recall that?
- 2 A. Yes.
- 3 Q. All right. Now, the Applicant's estimate is
- not based on field work; correct? Didn't
- they -- isn't the estimate based on county
- 6 soil surveys?
- 7 A. No. I believe the 139 acres you mentioned
- was based on field delineation of the wetland
- 9 according to the Application. What was
- 10 estimated, I believe using the county soil
- 11 surveys, was the amount of very poorly
- drained soils within that 139 acres.
- 13 Q. Thank you for that correction.
- 14 So, do you know when the county soil
- 15 surveys that the Applicant used, when the
- 16 data was collected for those?
- 17 A. Yes, it was probably in the '70s and '80s,
- and probably went into the '90s.
- 19 Q. Okay. And do you believe that that data is
- still as current enough today, or at least
- 21 current enough in 2015 to be relied upon as
- the Applicant relied upon it?
- 23 A. I believe that at the scale and level it's
- at, it's accurate. But the maps are produced

- at 1 inch equals 2,000-foot scale, so that
 the accuracy is not that great. And they
 also cannot show small wetlands or small
 hydric soil mapping units on those maps.
 - Q. Okay. Do you think that more data is necessary in order to accurately provide that estimate?
- 8 A. Yes.

- 9 Q. Give us an example of some additional data
 10 that would be necessary.
 - A. Well, for example, in the public soil survey, there's groupings of soils. So, particularly in the rural areas and the mountainous areas, the soils can be grouped and not separated out. So there could be poorly drained mineral soils grouped with very poorly drained soils in the same mapping unit. So you wouldn't be able to split out what's very poorly drained and what's poorly drained.

From a more detailed standpoint, there are site-specific soil surveys that are required by AOT in their application process that would, at a very high level of detail, map out the poorly drained, very poorly

- drained, and non-wetland soils on a development site.
- 3 Q. Thank you.
- Let me just ask you a few questions

 about the Applicant's proposed restoration.
- Now, would you agree that temporary impacts to wetlands can last for a number of years?
- 8 A. They could, yes.
- 9 Q. Okay. And the Applicants, in their proposed
 10 restoration, did not provide site-specific
 11 restoration plans; is that correct?
- 12 A. Correct.
- Q. And the Applicants also did not provide any site-specific information on existing conditions of the wetlands within the right-of-way; is that right?
- 17 A. Not in each specific plan for each site, no.
- Q. For instance, they didn't provide existing elevations or existing soils or existing hydrology; is that right?
- 21 A. Correct.
- Q. Okay. Now, in your opinion, can
 environmental monitors effectively monitor
 the impact from construction without this

- 1 site-specific information?
- 2 A. Well, I'm not sure how you can tell a site
- 3 has been restored to the pre-existing
- 4 conditions if you don't know what the
- 5 conditions are before you start.
- 6 Q. So, in other words, in order for the
- 7 environmental monitors to determine if the
- 8 restorations were successful, they would need
- 9 to know what they looked like before.
- 10 A. Correct.
- 11 Q. Now, without this information on existing
- 12 conditions, could some restoration efforts
- be, in fact, counterproductive?
- 14 A. It's possible.
- 15 Q. Could that then lead to permanent damage
- 16 rather than actually restoring?
- 17 A. Probably not. But it probably would not lead
- to the wetland being restored to its
- 19 pre-existing condition or to its pre-existing
- 20 functions and values.
- 21 Q. All right. Let me ask you some questions on
- a final topic. The Applicant proposes to
- work on some wetlands when they are frozen.
- 24 Do you recall that?

- 1 A. Yes.
- 2 Q. And in your prefiled testimony, you expressed
- 3 concern that some areas of wetlands may be
- frozen, while other areas are not frozen. Do
- 5 you recall that?
- 6 A. Yes.
- 7 Q. And you indicated that working in those
- 8 conditions could result in permanent damage
- 9 to wetlands. Do you recall that?
- 10 A. Yes.

- 11 Q. Based on your experience, is there a time of
- 12 year when there should be no work in wetlands
- in order to avoid this condition where you
- have a concern about part of the area is
- 15 frozen and part of the area is not frozen?
- 16 A. Well, I have observed the most impact to
- 17 wetlands during what we call mud season,
- 18 which is the time of the year when the frozen
- ground is thawing, and it goes back from
- 20 frozen to thaw, frozen to thaw. But in terms
- of putting a calendar date on it, I can't.
- 22 And it would probably vary dramatically from
- 23 Pittsburg to Deerfield.
 - Q. I suspect it would. But in your experience,

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1
         that's the time when you've seen the most
         damage because of this condition we're
2
         talking about?
3
4
         Yes. Not just damage to wetlands, but also,
    Α.
         in general, erosion and sediment problems as
5
         well.
6
7
         All right. Is it your opinion that if a
    0.
         condition could be framed that would avoid
8
         work in mud season in any particular area,
9
10
         would you think that that would be an
11
         appropriate condition to avoid the damage
12
         that you've expressed concern about?
13
    Α.
         Yes.
         Thank you, Mr. Lobdell. I have no other
14
    Q.
15
         questions.
16
                         CHAIRMAN HONIGBERG:
                                               Let's take a
         ten-minute break before we resume with the
17
         intervenors.
18
19
                (Recess taken at 10:52 a.m., and the
20
               hearing resumed at 11:10 a.m.)
21
                         CHAIRMAN HONIGBERG: Ms. Menard,
22
         whenever you're ready.
23
                      CROSS-EXAMINATION
24
    BY MS. MENARD:
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- Q. Good morning, Mr. Lobdell. I'm Jeanne

 Menard, representing the Deerfield Abutter

 Group.
- MS. MENARD: And I'm going to

 ask, Gretchen, are you available to come forward

 to run the ELMO?

7 BY MS. MENARD:

- 8 Q. So, to get started, Mr. Lobdell, in your
 9 supplemental testimony you stated that
 10 Eversource underestimated the number of all
 11 high quality wetlands; correct?
- 12 A. Yes.

Q. If you would, this is a summary sheet from Applicant's Exhibit 1. It's Page 138 from Appendix 31. And I'll give you a range of the Bates numbers. I don't have the exact number, but it's in the range of 21207.

Just a quick example. This is a wetland in Deerfield, DF 7. And if you quickly go across to the primary functions and the other values within this particular wetland, you had explained and gone through in your testimony how the ranking system -- 2 for primary and 1 for other values, so 14 was the

- 1 number to achieve --
- 2 A. Yes.

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- Q. -- in order to obtain that "high" value
 ranking. And you can see here the number of
 this particular wetland would be far in
 excess of 14. So this was incorrectly
 labeled as not a "high quality" wetland.
- 8 Would you agree with that?

assessment?

- 9 A. I'll take your word for it, yeah.
- So my question to you is: What's the 10 11 consequence, you know, from your project impact analysis? Why does this matter, you 12 know, in terms of -- I got the sense from 13 14 your earlier conversation with Mr. Pappas 15 that you were concerned with a number of 16 wetlands not even being included for 17 valuation as opposed to not making correct totals on those wetlands. Is that a fair 18
 - A. No. I was -- my issue is with the functions and values being done only on the wetlands within the right-of-way and not including the wetlands outside of the right-of-way, which is critical in determining some of the

1	functions based on the rational	les in	the
2	2 Corps highway manual.		

- Q. So in this particular example, does it matter -- why does it matter that the functions and values are not properly identified for any given wetland?
- 7 A. Well, I think with any wetland, if you can
 8 determine that the wetland is a
 9 high-functioning wetland, then the attempts
 10 to avoid and minimize should be greater.
- 11 Q. Okay. Okay. Thank you.

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So would you agree that the ranking of the wetlands, along with the ranking of the habitats, was used by the Applicants in order to select appropriate mitigation parcels?

A. Well, one of the reasons for doing the highway methodology under mitigation is to try to assure that the mitigation actually compensates as much as possible for the functions and values that are lost by the Project.

22 CHAIRMAN HONIGBERG: Off the 23 record.

(Discussion off the record)

1 BY MS. MENARD:

Q. So what I'm about to put up, and the next two exhibits are just for illustrative purposes to set up the ultimate question here -
MS. MENARD: If you'd flip that over, Heather, so people know where this is

7 coming from.

BY MS. MENARD:

Q. This is a newsletter from Forward New

Hampshire tat was sent out in July of 2017.

And as an abutter to the right-of-way, we
received this in the mail.

So, on the second page there is a reference to the parcels that are being selected as part of the mitigation package. And you can see the two closest to Deerfield from this particular selection. There's a property in Pembroke that's 87 acres, and you can see it has a highest ranking habitat. And then there's a seven-acre parcel in Concord similarly; the Pine Barrens has that same ranking.

So, on the next exhibit, just from a general overview, you can see Deerfield is

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labeled in the middle there. And to the east the right-of-way passes through this area. The Deerfield Abutter -- I'll represent to you the Deerfield Abutter block encompasses close to 400 acres. And you can see from the coloring in that general area, the highest ranked habitat in New Hampshire, and it also has the highest ranked habitat in the biological region as identified by the Wildlife Action Plan of 2015.

So my question is: If a wetland carries a primary function for endangered species -- and you had used that as an example in your supplemental testimony -- but if it's not avoided and if there aren't any local mitigation parcels nearby, would it be reasonable to assume that the endangered species would be affected over time, from a population standpoint?

A. Well, I'm not a wildlife biologist, so I
can't answer that in detail. But I would say
that if a wetland impact is directly
impacting a function such as wildlife habitat
or an endangered species, then an attempt

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should be made to mitigate, if not on site,
1
         then within the watershed.
2
         And if they don't -- that's the attempts.
3
         But if there aren't parcels that are secured
4
         to provide that, you know, just do a
5
         substitute for that resource, in effect,
6
7
         would you expect there to be some long-term
8
         impacts to the population?
         Yes.
9
               If they were reducing the habitat of
    Α.
         the particular endangered species, yes.
10
11
                         MR. IACOPINO: Ms. Menard, does
         that exhibit have a number assigned to it?
12
                         MS. MENARD:
                                      No.
                                           I felt it best
13
14
                  And I'll take advisement here.
         not to.
15
         Wildlife Action Plan maps are not intended to be
         used in legal matters. And so --
16
17
                         MR. IACOPINO:
                                        It's up to you.
                         MS. MENARD: -- I didn't want to
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19
         be in violation of their -- it's stamped right
20
         on here, "not intended for legal use."
21
         wanted to just be general in identifying the
22
         areas but not misuse the information.
23
                                        If I may, it would
                         MS. MANZELLI:
         be helpful, as the sponsor of this witness, it
24
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104 would be helpful if these documents could be 1 marked for the record. 2 3 MS. MENARD: I'm happy to --MR. IACOPINO: Do you know what 4 5 your next numbers are? MS. MENARD: -- identify this as 6 7 Deerfield Abutter Exhibit 171. 8 MS. BRADBURY: That would be 172, Jeanne. 171 is used. 9 MS. MENARD: Thank you. 172. 10 11 MR. IACOPINO: Thank you. 12 MS. MANZELLI: And the prior exhibit? 13 14 MR. IACOPINO: I thought the 15 prior one was from the Application, wasn't it? 16 MS. MENARD: No, this is a 17 newsletter, and this could be identified as 173, Deerfield Abutter 173. 18 19 MR. IACOPINO: Thank you. 20 MS. MENARD: Thank you. 21 BY MS. MENARD: 22 And last topic, Mr. Lobdell. Are you aware

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commitment for purposes, in part, to support

that Eversource has made a \$3 million

23

scientific research, and specifically to
offer protection and educational programs
associated with endangered species?

- A. No, I'm not aware.
- Q. Okay. What we have here is Applicant

 Exhibit 124. And these are minutes that were
 posted. This was an August supplemental
 submission over the summer, this information.

MS. MENARD: And if we could take a look at the second page, Gretchen.

11 BY MS. MENARD:

Q. The Fish & Game is indicating that Eversource is going to be working on a vegetative management plan specifically focused on rare, threatened and endangered species.

And lastly, Page 3 is the topic for you,
Mr. Lobdell. On their work with the

Vegetative Management Plan, they're seeking
to look to Massachusetts because of their
already well-established management plans.

Are you aware that in Massachusetts they have
a Massachusetts Endangered Species Act that
provides some regulatory teeth to their
management plans regarding habitats, wetland

1 habitats and upland habitats?

- A. No. I do not work in Massachusetts.
- 3 Q. Okay. Thank you. That's all I have.

4 CHAIRMAN HONIGBERG: Ms. Draper.

5 CROSS-EXAMINATION

6 BY MS. DRAPER:

Q. Good morning. I'm Gretchen Draper, and I'm part of the Pemigewassett River Local
Advisory Committee. And I have one question about wetlands.

We've heard about wetlands that are under a federal reserve program. Are you familiar with that? There's one up in Stark, I believe, and also one in Deerfield. They have gone through to have them certified under a federal program. And I was just -- my question, if you're not familiar -- you're not. Okay. My question was whether or not a federal program would have any significant differences in identifying wetlands other than what we do in the state of New Hampshire.

A. Well, there is a federal definition for wetlands, and New Hampshire uses that, as

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107 1 most states do. So I assume it's a federal 2 program and they're using that same definition. 3 Q. All right. Thank you. 4 CHAIRMAN HONIGBERG: 5 Since no other intervenor groups have questions -- wait. 6 7 I see Ms. Pastoriza's hand go up. 8 MS. PASTORIZA: I have just one 9 question. 10 CROSS-EXAMINATION 11 BY MS. PASTORIZA: So, inasmuch as you spoke to burial, were you 12 assuming that those burial routes under roads 13 14 were previously disturbed terrain? 15 I'm sorry. I'm having trouble understanding Α. 16 the question. 17 Q. Inasmuch as you spoke to burial in your testimony, the alternative of burial under 18 19 roads, were you assuming that those roads 20 were previously disturbed terrain?

A. Could you -- I'm sorry. I'm going to have to

put these on. I can't understand the

question.

(Pause in proceedings)

- A. If you could repeat that again, I'd appreciate it.
- 3 Q. Inasmuch as you spoke to burial under roads
- as an alternative, were you assuming that
- those roads were previously disturbed
- 6 terrain?
- 7 A. Not necessarily.
- 8 Q. So what was your assessment of the roads in
- 9 terms of degrees of disturbance?
- 10 A. I am not -- again, I'm not clear. Which
- 11 roads are we speaking of now?
- 12 Q. Any roads.
- 13 A. In the right-of-way?
- 14 Q. Yes.
- 15 A. Okay. I didn't assume any level of
- 16 disturbance of those roads. I was
- 18 treated the same in terms of existing
- 19 disturbance. The restoration would have to
- 20 be and is defined by state statute as
- 21 "restoring the wetland to the pre-existing
- 22 condition." So, whatever the condition is at
- 23 the time of the temporary impact, that would
- be the condition that it would have to be

- 1 restored to.
- 2 Q. And your assessment of the impacts is
- incomplete because it did not include the
- 4 surrounding wetlands that would also apply to
- 5 the burial route?
- 6 A. Well, yes. If there were impacts to wetlands
- 7 along the burial route, they would have to be
- 8 restored.
- 9 Q. And the shortfall of the study, in terms of
- 10 not including wetlands outside of the Project
- boundary, that would also apply to the buried
- 12 route?
- 13 A. Yes, in terms of functions and values,
- 14 assessing functions and values, yes.
- 15 Q. Thanks.
- 16 CHAIRMAN HONIGBERG: Anyone else?
- 17 Mr. Walker.
- 18 CROSS-EXAMINATION
- 19 BY MR. WALKER:
- 20 Q. Good morning, Mr. Lobdell. We've met. My
- 21 name is Jeremy Walker, and I am counsel for
- the Applicant. Just a few things today.
- In reaching your conclusion and your
- opinions in this matter, you did not do any

- field work in this case; right?
- 2 A. I did not.
- 3 Q. You did not go out and question any of the
- delineations of the boundaries by Normandeau
- 5 in this case?
- 6 A. No, I did not.
- 7 Q. And I take it from your prefiled testimony
- 8 that the gist of your opinion is that the
- 9 route proposed by the Applicant is not the
- one with the least impact to wetlands;
- 11 correct?
- 12 A. Correct.
- 13 Q. And that's because it's not buried through
- 14 existing highway corridors through the route.
- 15 A. Correct.
- 16 Q. And earlier Ms. Manzelli asked you about the
- 17 final EIS issued in this case. And I take it
- 18 you reviewed that?
- 19 A. Yes.
- 20 Q. And you would agree with me that the
- 21 Department of Energy has found that the
- 22 alternative proposed by the Applicant in this
- case is the Agency's preferred alternative;
- 24 correct?

- A. Yes, but I'm not sure it's the least -- they
 determined that it was the least impacting to
 wetlands.
- Q. Right. In fact, their analysis considers practicability, correct, and feasibility?
- 6 A. Yes.
- 7 Q. You did not consider that in rendering your
 8 opinion about burying this throughout the
 9 entire corridor and under existing highway
 10 corridors. You did not consider feasibility;
 11 right?
- 12 A. Well, I did not consider the economics of it.

 13 In terms of practicability, the technology

 14 and logistics seem to be there to allow for

 15 burial along the entire route.
- 16 Q. But you did not consider costs or
 17 practicability or feasibility associated with
 18 that.
- 19 A. I did not consider costs.
- Q. And the DES wetland rules, which I'm sure
 you're familiar with, relating to avoidance,
 minimization and mitigation techniques
 require that potential impacts have been
 avoided to the maximum extent practicable;

- 1 right?
- 2 A. Correct.
- 3 Q. You've reviewed the DES's permit in this
- 4 case?
- 5 A. Yes.
- MR. WALKER: And Dawn, if you
- 7 could pull up Exhibit 75, please, Applicant 75.
- 8 It's Bates 44453.
- 9 BY MR. WALKER:
- 10 Q. Mr. Lobdell, the highlighted section which
- Dawn will blow up, you would agree with me
- 12 that the DES has determined that the
- 13 Applicant has provided evidence which
- 14 demonstrates that this proposal is the
- 15 alternative with the least adverse impact to
- areas within its jurisdiction; correct?
- 17 A. Yes.
- 18 Q. And that's wetlands; correct?
- 19 A. Yes.
- 20 Q. Have you testified before this Committee
- 21 before?
- 22 A. Yes.
- 23 Q. And I'm correct that you have submitted
- testimony to this Committee on a project

called the Granite Reliable Wind Project; is

- 2 that right?
- 3 A. Correct.
- Q. And in that case you were engaged by the developer of that project; right?
- A. I was a subcontractor to the engineering firm engaged by the developer.
- 8 Q. Now, that project -- and I reviewed the 9 docket in that case. That project included 10 33 wind turbines, each with a height of about 11 410 feet, along with a substation and a 12 5.8-mile-long transmission corridor; correct?
- 13 A. Correct.
- Q. And the proposal was the transmission line was above ground.
- 16 A. Yes.
- Q. And you recall that above-ground corridor traveled adjacent to an existing roadway,
- 19 Dummer Pond Road?
- 20 A. Yes.
- Q. Do you recall in your testimony in that case there was some discussion as to whether the proposed project was the one that had the least impact to wetlands on the site?

1 A. Correct.

MR. WALKER: And Dawn, if you

3 could pull up --

Exhibit 501.

4 BY MR. WALKER:

Q. I've read through your prefiled testimony
before this Committee, and it is -- we have a
copy of that transcript. It's Applicant's

9 MR. WALKER: And in particular I
10 want to focus, Dawn, on Page 141.

11 BY MR. WALKER:

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Q. And Mr. Lobdell, for your benefit, if you look at the middle of the page, and it actually starts with the line No. 1 -- and I'll give you a minute to refresh yourself with that testimony.

(Witness reviews document.)

Q. Actually, you were asked a question about the DES rules. And there was a question, "The second item on this list, on DES rules, is 'the alternative proposed by the Application is the one with the least impact to wetlands and surface waters on site.'" And you were asked, "Do you know how extensive an analysis

was done to evaluate that?"

And you responded, "No. But in the findings of DES, they found that the Application was sufficient to meet that standard."

And your follow-up question is, "Do you have any comment about the extent of support to that point that was offered by the Applicant to DES?"

And you answered that, Mr. Lobdell, and said, "Well there are a number of avoidance and minimization efforts as part of this project. First of all, using the existing roads as much as possible to reduce impacts."

And then it goes on, "As I said, citing [sic] the turbines out of the wetland areas, minimizing the new road impacts by," and if you could go to the next page, please, "designing to the minimum standard, avoiding going through a wetland whenever possible, those types of things."

Now, in this case you did not recommend that the transmission corridor be buried; correct?

- 1 A. Correct.
- 2 Q. And the DES did not find that it had to be
- 3 buried; correct?
- 4 A. Correct.
- 5 Q. Seems that your testimony here is
- 6 inconsistent with your testimony in that
- 7 case; is that fair to say?
- 8 A. Well, the issue of burial, as I recall, never
- g came up in this process, and I wasn't even
- 10 aware. I'm not an engineer. I don't know
- the technology involved in doing that. So it
- never came up as an issue for me as an
- option.
- 14 Q. And you didn't recommend burial in that case.
- 15 A. No.
- 16 MR. WALKER: Thank you. Nothing
- 17 further.
- 18 CHAIRMAN HONIGBERG: Members of
- the Committee have questions? I see Mr.
- Wright's hand go up.
- 21 QUESTIONS BY SUBCOMMITTEE MEMBERS AND SEC COUNSEL:
- 22 BY DIR. WRIGHT:
- 23 Q. Good morning, Mr. Lobdell.
- 24 A. Good morning.

- Q. Could you help me clarify something you said. 1 It was regarding, I think during Mr. Pappas's 2 questioning, regarding the live stakes for 3 restoration. And you indicated that USDA had 4 some recommendation of spacing of two to 5 three feet. And then I heard what the 6 7 Applicant was proposing was either 100 8 plantings per acre or 500 plantings per acre. Could you correlate those two for me. 9 10 there -- in other words, what does two or 11 three feet equal in terms of number of plantings per acre? Do you have that 12 calculation in your mind? 13 I don't have a calculator with me. 14 Α. 15 Okay. I was just trying to understand --0. 16 But it's much more dense. Α. 17 0. It's much more dense. That's what I figured. 18 I was just trying to get a ballpark figure,
- 20 A. Yeah.

if you knew.

- Q. Okay. I guess I can figure that out later, hopefully.
- 23 Couple other questions. You obviously
 24 expressed a lot of concerns regarding some of

- the methodologies used here in the
- 2 Application regarding, like, wetland impacts
- 3 beyond the right-of-way and wetlands ratings.
- 4 And we know DES issued its four sets of
- 5 conditions. Do you feel that DES erred or
- 6 made mistakes in issuing those conditions?
- And if it calls for a legal conclusion, I
- 8 apologize. Do you think DES erred in terms
- 9 of its rules and regulations and statutes in
- 10 its final conditions?
- 11 A. Well, I disagree with their conclusions.
- 12 Whether it's a legal error or not I can't
- 13 say. But I certainly disagree with what
- 14 they --
- 15 Q. So from a technical standpoint, you disagree
- 16 with the findings.
- 17 A. Yes.
- 18 Q. Okay. And just one other area. You've
- 19 worked with DES and Fish & Game before, I
- assume, on other construction projects in the
- 21 state?
- 22 A. Yes, I've done hundreds of wetlands
- 23 applications.
- Q. Do you feel that DES and Fish & Game, and in

- conjunction with environmental monitors, can
 successfully monitor the construction and
 restoration from this project if it were to
 move forward?
 - A. I have a real -- some real concerns.

- 6 Q. And what's the basis of your concerns?
 - A. Well, my concerns are with regard to the temporary impacts, the fact that there were no site-specific restoration plans for over 800 individual restoration sites. So we don't know what the existing topography, elevation, other conditions, hydrology, all of it is in these restoration areas. So the monitors, who would actually have to act as design people to actually design the restoration and do the inventory necessary prior to construction -- so it's a lot more than monitoring that's being required.
 - Q. Are those things you're describing things you've seen done in other projects, or is this consistent with what you've seen in other projects?
- 23 A. Yes, in most of the restorations I've been 24 involved in, there has to be a restoration

plan, not just a list of BMPs and plantings and that type of thing. There actually has to be a plan of what's there before the restoration occurred. And if you don't know what that is, then you have to estimate it and the fact of many wetland violations. But in this case it's not a violation. You are able to go out and assess what the existing conditions are.

- Q. So if the Project were to move forward,
 that's something you think we should consider
 requiring, if we were to approve the Project,
 is a filing of those restoration plans to DES
 or somebody else?
- A. Well, I think it should have been done by now in order to assess, to truly assess the impacts. My concern is with the 42 acres that they say are very poorly drained, organic soils, which can compress very easily and are very sensitive and can be impacted, and those impacts are very difficult to restore, that I think has a great deal to do with whether the Project is approvable with the existing route.

- 1 Q. Okay. Thank you.
- 2 CHAIRMAN HONIGBERG: Commissioner
- 3 Bailey.
- 4 QUESTIONS BY COMMISSIONER BAILEY:
- 5 Q. Good morning.
- 6 A. Good morning.
- 7 Q. In your direct testimony filed in December of
- 8 2016, on Page 16 you talk about the fact that
- 9 the Presidential Permit also has to make
- 10 findings about wetlands and water resources
- as part of their consideration in granting
- 12 the permit.
- 13 A. Correct.
- 14 Q. And they've since granted the permit. So do
- 15 you think -- does that indicate that the, I
- think it's Department of Energy believes that
- 17 the impacts on wetlands have been
- appropriately avoided, minimized or
- 19 mitigated?
- 20 A. No, I do not. The final Environmental Impact
- 21 Statement did not indicate that this proposal
- 22 was the least impacting alternative to
- wetlands. In fact, in one of the appendixes,
- 24 when they were responding to some of the

EPA's concerns, they indicate that they were not assessing the alternative routes, that that was the job of -- their role was not

that, but that was the role of the New

5 Hampshire SEC. So they kind of avoided that

6 determination.

- 7 Q. But is the EIS different than the 8 Presidential Permit?
- 9 A. I did not review the permit itself. But the
 10 EIS, I understand, is used by DOE to
 11 determine whether a Presidential Permit will
 12 be issued.
- 13 Q. Okay. Thank you.
- 14 CHAIRMAN HONIGBERG: Mr. Way.
- MR. WAY: No, I'm all set.
- 16 CHAIRMAN HONIGBERG: Mr.
- 17 Iacopino.
- 18 MR. IACOPINO: Thank you.
- 19 QUESTIONS BY MR. IACOPINO:
- Q. I just have two questions, Mr. Lobdell. On
- Page 9 of Exhibit 67, which I believe is your
- 22 supplemental testimony, it's where in your
- direct testimony you say that the ranking
- 24 system used by the Applicant for the

			123
1		functions and values is not in accordance	
2		with the Army Corps method. Does the Army	
3		Corps method say you can't use a point	
4		system, or does it say something different?	
5		In other words, you said that it was in	
6		violation, essentially, of what the Army	
7		Corps requires. I'm trying to get a handle.	
8		Does the Army Corps say that a point system	
9		is not allowed?	
10	Α.	Yes.	
11	Q.	Okay. And where does the Army Corps say	
12		that? Is that in the highway manual?	
13	Α.	It's in the manual itself. They also have a	
14		table in there with a big X through it which	
15		shows what they consider to be an incorrect	
16		use of the system.	
17	Q.	Thank you.	
18		CHAIRMAN HONIGBERG: Anything	
19		else from the Committee?	
20		[No verbal response]	
21		CHAIRMAN HONIGBERG: Ms.	
22		Manzelli, do you have any redirect?	
23		MS. MANZELLI: Thank you. Just	=
24		to save time, I would like to reserve the right	nt

124 to file that page from the manual, for the 1 I think I have it in my stack of 2 papers, but I'm not going to --3 CHAIRMAN HONIGBERG: Didn't 4 5 someone put the manual up --MR. IACOPINO: Yes. It's Counsel 6 7 for the Public Exhibit 600-something. 8 MS. MANZELLI: Thank you. CHAIRMAN HONIGBERG: It might 9 even be Exhibit 666. 10 11 REDIRECT EXAMINATION BY MS. MANZELLI: 12 All right. During cross-examination, 13 14 Attorney Pappas asked you if you could 15 estimate, at least by order of magnitude, the 16 quantity of impacts that might occur to 17 wetlands located outside of the right-of-way. You recall that? 18 19 Α. Yes. 20 And you testified that you could not make 21 such an estimate. 22 Correct. Α. 23 Why is that? Q.

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Well, I just don't have any information.

24

Α.

mean, I'd have to do a site visit and look at

the wetland and analyze a lot of information

about it, and I just don't have that

4 information.

- 5 Q. And this isn't, you know, a personal
- shortcoming of any sort. It's just that that
- 7 information isn't available in this
- 8 Application whatsoever; correct?
- 9 A. Not that I'm aware of.
- 10 Q. You were also asked about whether there was
- any site-specific soil mapping that the
- 12 Applicants provided, and you mentioned that
- the Alteration of Terrain requirements
- 14 require such site-specific soil mapping. Do
- 15 you recall that?
- 16 A. Yes.
- 17 Q. Now, isn't it true that the Applicants chose
- in this case not to do that specific mapping
- 19 and, in fact, asked for and received a waiver
- 20 of that requirement?
- 21 A. Yes, that's my understanding.
- 22 Q. Mr. Pappas also asked you if in some
- circumstances, because of the lack of
- 24 site-specific information, restoration could

- actually be counterproductive, and you said
- that was possible. Do you recall that?
- 3 A. Yeah.
- 4 Q. Now, he also asked about could it result in
- 5 permanent impacts. Do you recall that?
- 6 A. Yes.
- 7 Q. And you said that there might be a permanent
- 8 loss of functions and values; is that
- 9 correct?
- 10 A. Correct.
- 11 Q. Is a permanent loss of a function and value a
- 12 permanent wetland impact?
- 13 A. I believe it is, yes.
- 14 Q. You received a couple questions from the
- 15 Subcommittee and Attorney Pappas, and perhaps
- 16 others, about what conditions of approval
- 17 might satisfy your concerns or might be a
- 18 good idea. Now, do you believe that there is
- 19 any condition of approval that would make the
- 20 wetland application approvable?
- 21 A. You mean the proposed alternative?
- 22 Q. Yeah.
- 23 A. No.
- 24 Q. You received some questions from Ms. Menard

about endangered species, and in particular, 1 if a wetland had a function and value of 2 endangered species, how should that be 3 handled. And I believe what you said is, 4 5 well, you should definitely in the first instance to do the wetlands mitigation at 6 7 that very wetland; and then, if you couldn't 8 do it at that very wetland, you should do it at least within the watershed. Do you recall 9 that? 10

- 11 A. Yes.
- Q. Now, my understanding is there are different scales at which watersheds can be defined.

 You know, at a large scale, you could say something like the Connecticut River Valley; right?
- 17 A. Correct.
- 18 Q. So at what scale watershed were you intending to indicate?
- A. Well, the immediate watershed. Obviously
 it's more appropriate to do it as close to
 the site as possible. So you could work out
 from various orders of watershed and find the
 most appropriate one. DES has a list of some

- watersheds that they use, and those
 watersheds break down what they -- how they
 distribute the ARM funds. So there is a list
 of what at that level to me would be the most
 extreme.
 - Q. Thank you. Let's see here. Attorney Walker asked you some questions about your work on the Granite Reliable Project. Do you recall those?
- 10 A. Yes.

- 11 Q. What are the primary differences between this project and that project?
 - A. Well, this project is tenfold larger in terms of wetland impacts. Also, in the Granite Reliable Power Project there were more than half of it was on existing, pre-existing logging roads in a commercial forest. And these logging roads are, well, better than many town dirt roads, used by 18-wheelers and that type of thing. So they're very established roads. They needed permitting because it was -- they were installed under a Forestry Wetlands Permit. And when you change use, you need to re-permit. So a lot

- of the impacts were re-permitting culverts and ditches and those kinds of things along those roads.
- Q. Now, I know you mentioned you're not an engineer. But as far as you know, is it possible to bury wind turbines and still have them generate energy?
- 8 A. Not that I'm aware.
- 9 Q. Does this refresh your memory if, in response
 10 to Mr. Wright's questions, I tell you that
 11 about 4800 is the mathematical answer to live
 12 stake planting of two to three feet per acre?
- 13 A. That sounds correct.
- Q. You were asked some questions about the Army
 Corps methodology as it relates to the use of
 rationales and comments. And I understand
 that you, like Normandeau, also do not use
 the form straight out of the Army Corps
 manual; is that correct?
- 20 A. Correct.
- Q. Okay. Now, is that, in your experience,

 common or uncommon for a certified wetlands

 scientist to use --
- 24 A. I think it's fairly common.

- Q. Now, just to be clear, although you do not use the form, how often do you include rationales and comments in the work product you produce?
- 5 A. Always.
- Now, you were asked questions about the fact 6 0. 7 that you did not perform any field work in 8 this case. And you were also asked questions about when you were rendering your opinions, 9 what level of road disturbance you used as a 10 base assumption. Is it correct that you 11 relied -- the three things you relied on in 12 this case to render your opinions are: 13 14 Northern Pass Application itself, and in 15 particular, the data associated with the 16 underground section; information from the TDI 17 Clean Link Project in Vermont, and the Environmental Impact Statement? 18
- 19 A. Yes.
- Q. And in all of those sources, you found
 evidence that burial results in significantly
 less wetland impacts; right?
- 23 A. Yes.
- MS. MANZELLI: I have no further

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1	questions. Thank you.
2	CHAIRMAN HONIGBERG: Thank you,
3	Mr. Lobdell. I think you can return to your
4	seat.
5	MR. JUDGE: Mr. Chairman.
6	CHAIRMAN HONIGBERG: Mr. Judge.
7	MR. JUDGE: I think I have
8	agreement from the groups ahead of Ms.
9	Kleindienst that she can take the stand now.
10	CHAIRMAN HONIGBERG: That's fine
11	with us.
12	Ms. Pacik?
13	MS. PACIK: Before I forget, the
14	exhibit that was provided by Dr. Van de Poll is
15	actually going to be Joint Muni 353. Thank you.
16	CHAIRMAN HONIGBERG: And I was
17	also informed that the manual we were talking
18	about, the Army Corps manual, is 665, Counsel
19	for the Public.
20	MR. IACOPINO: And Van de Poll is
21	not 352, it's 353?
22	MS. PACIK: Correct.
23	(Pause in proceedings)
24	CHAIRMAN HONIGBERG: Would you

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swear the witness in, please.

(WHEREUPON, MICHELLE KLEINDIENST was
duly sworn and cautioned by the Court
Reporter.)

DIRECT EXAMINATION

6 BY MR. JUDGE:

5

- Q. Ms. Kleindienst, can you state your name and spell your last name for the record?
- 9 A. Michelle, Kleindienst, K-L-E-I-N-D-I-E-N-S-T.
- 10 Q. And what is your business address?
- 11 A. I represent McKenna's Purchase Unit Owners
- 12 Association. They are at 84 Branch Turnpike,
- No. 150, Concord, New Hampshire, 03301.
- 14 Q. Did you file prefiled testimony in this
- 15 docket?
- 16 A. Yes, I did.
- 17 Q. Do you have it with you?
- 18 A. Yes, I do.
- 19 Q. If you look at the document I'm showing you,
- it's Sheet 308 from 10/9/15, does that show
- 21 McKenna's Purchase?
- 22 A. Yes, it does.
- Q. And McKenna's Purchase is the condominium units that the cursor is tracing right now?

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- 1 A. Correct.
- 2 Q. And the right-of-way is shown with
- 3 construction pads in yellow, access roads in
- 4 red, et cetera?
- 5 A. Yes.
- 6 Q. So the right-of-way is right along the edge
- 7 of McKenna's Purchase?
- 8 A. Yes.
- 9 Q. So are you a member of the intervenor group?
- 10 A. I am.
- 11 Q. Is that the Ashland to Concord Intervenor
- 12 Group?
- 13 A. Abutter Group, yes.
- 14 Q. Abutter Group. Thank you.
- 15 And if I show you the ShareFile, these
- are three exhibits, Ashland to Concord
- 17 Abutter 5, 6 and 7. And I will represent to
- you that 5 is your testimony and 7 is your
- 19 response to the data request and 6 is Mr.
- 20 Chalmers' Montana study.
- In terms of 5 and 7, do you swear and
- affirm that it's all true, your testimony?
- 23 A. Yes, but I would like to edit my testimony.
- Q. So, subject to any corrections that you are

- about to make, do you adopt that as your testimony in our proceeding here?
- 3 A. Yes, I do.
- Q. And I think you've indicated you do have corrections to make?
- 6 A. Yes.
- 7 Q. Please tell the Committee what corrections 8 you'd like to make.
- 9 A. I need to amend our average sales price.

 10 It's gone up to \$186,544, and in my testimony

 11 I suggested that there would be a 30- to

 12 50-percent reduction in sales prices due to

 13 the Project going in. So at 30 percent that

 14 would be \$55,963, and at 50 percent that
- Q. So I'm showing a page of Abutter 5, Ashland to Concord, where you're making a change in the range and the average.

would be \$93,272.

19 A. Correct.

15

Q. Okay. Now, based upon the testimony you've
heard in this proceeding, the records you
reviewed, and particularly the prefiled
supplemental testimony of Mr. Chalmers, is
there any additional testimony that you wish

- to offer regarding the cooperation of the
- 2 Applicant, economic loss and the absence of
- 3 final plans?
- 4 A. I'm sorry, Steve, could you repeat that?
- 5 Q. Yeah. I'm asking you if you want to talk
- about the cooperation of the Applicant with
- 7 McKenna's Purchase, the economic loss or
- 8 consequences as described by Mr. Chalmers,
- and the absence of final plans from the
- 10 Applicant.
- 11 A. I disagree with Chalmers' assessment of the
- 12 association. I disagree with his
- methodology.
- 14 Q. Well, let me break those down into smaller
- 15 bites.
- 16 A. Okay.
- 17 Q. Let's talk about cooperation to begin with.
- 18 Did you allow representatives of the
- 19 Applicant to enter McKenna's Purchase?
- 20 A. Yes.
- 21 Q. Did representatives of the Applicant tour the
- 22 property with you in November 2016?
- 23 A. Yes.
- 24 Q. Was there any tours prior to that?

- 1 A. Yes.
- 2 Q. How many do you think?

MR. NEEDLEMAN: Mr. Chair, I'm

going to object. November 2016 and before

5 should have all been included in the testimony.

6 MR. JUDGE: Mr. Chalmers

7 testified on cross that he did not have an

8 opportunity to go to the property. I'm just

9 trying to establish that he had plenty of

opportunities to do it and he did not. And this

is an exhibit that was introduced by the

12 Applicant after I cross-examined Mr. Chalmers.

13 CHAIRMAN HONIGBERG: Overruled.

- 14 She can answer.
- 15 A. Could you repeat the question?
- 16 BY MR. JUDGE:
- 17 Q. Well, the question was whether there were
- 18 other tours of the property by the Applicant
- 19 prior to November of 2016.
- 20 A. Yes. We first started meeting with them back
- 21 in 2011.
- 22 Q. Did Mr. Chalmers request a visit to the
- 23 property prior to filing his initial
- 24 testimony?

- 1 A. No.
- Q. Did McKenna request a view by the SEC?
- 3 A. Yes.
- 4 Q. And did that happen?
- 5 A. Yes.
- Q. Did Mr. Chalmers request a site visit after
- 7 he filed his initial testimony?
- 8 A. He requested one, and it was denied.
- 9 Q. It was denied. Okay.
- 10 This is Exhibit 198 that the Applicant
- introduced in Mr. Chalmers' testimony. And
- this document is a request from Tom Getz,
- 13 counsel for the Applicant, for a somewhat
- related issue. And the answer he got from me
- is, as you understand, "I do not give you
- 16 permission to enter the property"; is that
- 17 correct?
- 18 A. That's correct.
- 19 Q. Did McKenna's Purchase exist in Mr. Chalmers'
- 20 initial testimony?
- 21 A. No.
- 22 Q. Did you file testimony to bring this to the
- 23 SEC's attention?
- 24 A. Yes.

- 1 Q. I'm showing you Exhibit 154. This is a
- 2 document that was introduced by the
- 3 Applicant, a summary of outreach from
- 4 McKenna's Purchase Unit Owners Association.
- 5 And I want to focus on November 18, 2016.
- And do you see here it says "meeting to
- 7 discuss proposed project route and possible
- 8 alternatives"? Do you see that?
- 9 A. Yes, I do.
- 10 Q. And can you read the handwriting that's on
- 11 the side there?
- 12 A. "Meeting with Steven Judge. Nothing was
- promised."
- 14 Q. Nothing was promised; is that right?
- 15 A. Nothing promised. Yes.
- 16 Q. There was some conversation with the
- 17 construction panel about moving a pole. Do
- 18 you remember that?
- 19 A. I believe so.
- 20 Q. And the pole we're talking about is right
- 21 where the cursor is. It's C189-51. The
- request was to move it over into property
- that's labeled 8174. Do you remember that?
- 24 A. Yes, I do.

- 1 Q. I'm showing you a document dated August 25,
 2 2017 from McLane, counsel for the Applicant,
 3 to Ms. Monroe. And I want to go down to the
 4 second page. And do you see where it says
 5 the following items agreed to at the final
 6 hearings did not result to changes to the
 7 plan sheets?
- 8 A. Yes.
- 9 Q. Can you read Paragraph 2 for the record? And do it slowly, please.
- "Applicants agree to evaluate relocation of 11 Α. structures C189-51 near McKenna's Purchase, 12 to the south of its current location, to an 13 14 abutting parcel of land, Tax Map Parcel 111H-4-22. If McKenna's Purchase's can 15 16 obtain permission from the abutting 17 landowner, the Project is likely to be able 18 to relocate the structure as requested. 19 Sheet 609 of updated wetland permit plans."
 - Q. Do you have a relationship with the owner of that property?
- 22 A. No.

20

21

Q. Do you even know who the owner is of that property?

- 1 A. No.
- Q. Does McKenna's Purchase's have a right-of-way
- 3 across that property?
- 4 A. No.
- 5 Q. In the negotiation -- or in obtaining
- 6 permission, would you expect that that would
- 7 cause McKenna's Purchase to contribute
- 8 something? Why would that property owner let
- 9 McKenna's Purchase use -- put the pole on
- 10 their property without some value being given
- by McKenna's Purchase?
- 12 A. I would suspect they would want something in
- 13 return.
- 14 Q. I discussed with Mr. Chalmers, and this is
- 15 Document 8712 -- you said 84 Branch Turnpike
- is the address for McKenna's Purchase?
- 17 A. Yes, it is.
- 18 Q. This is the only document in the Application
- 19 relating to the value of McKenna's Purchase.
- 20 Do you see where the cursor is here under
- 21 Assessed Value?
- 22 A. Zero.
- 23 Q. Zero. What is the value of, the total value
- of McKenna's?

- 1 A. It's \$27 million.
- 2 Q. Were you here when Mr. DeWan was asked about
- 3 the photographs that he took at McKenna's?
- That's another question I wanted to ask you.
- 5 You allowed people from the Applicant to
- 6 come on the property and take photographs;
- 7 right?
- 8 A. Yes.
- 9 Q. And we've seen those photographs in this
- 10 proceeding.
- 11 A. Yes.
- 12 Q. And do you remember Mr. DeWan saying that
- when he took those photographs, that he
- didn't use them at all in reaching his
- opinion about aesthetics effect?
- 16 A. Yes.
- 17 Q. Do you remember Mr. DeWan, my asking him
- 18 whether a transmission corridor running along
- 19 the side of a condominium would have a
- 20 negative effect, and he refused to answer
- that question? He just acknowledged there
- would be an effect, but he wouldn't
- characterize it?
- 24 A. Yes.

- 1 Q. Do you think there would be an effect?
- 2 A. Yes, a large effect.
- Q. Let's talk about economic consequences for a moment.
- You were here when Mr. Chalmers

 testified that he decided when he did his

 original analysis here that he would not

 address condominium projects. Do you

 remember that?
- 10 A. Yeah, he considers us a non-residential property.
- 12 Q. Is it fair to say he didn't consider you at all?
- 14 A. He didn't.
- 15 Q. There is an acknowledgment by the Applicant
 16 that some property will be -- will have
 17 economic consequences. Do you remember the
 18 testimony about that?
- 19 A. I'm not certain.
- Q. The property has to be encumbered by the right-of-way easement, it has to be a single-family home, and it has to have more visibility than it did before.
- 24 A. Oh, that was the criteria that was given to

- 1 him.
- Q. Right. That's criteria that he created that
- 3 the Applicant adopted.
- 4 A. Okay.
- 5 Q. And is the McKenna's Purchase -- does that
- 6 contain single-family homes?
- 7 A. Yes, it does.
- 8 Q. Single-family homes or condominiums?
- 9 A. Townhomes.
- 10 Q. Townhomes. What distinction do you draw
- between a condominium that's worth \$186,000
- on average and a single-family home?
- 13 A. It's just a difference in ownership, a
- different way to own your home.
- 15 Q. Now, in terms of the requirement that the
- 16 property -- that the building be within a
- 17 100 feet of the right-of-way, is it fair to
- 18 say that both Mr. Chalmers and Mr. DeWan
- moved McKenna's Purchase away from the
- 20 right-of-way?
- 21 A. Yes.
- 22 Q. Mr. Chalmers did that by taking measurements
- from the front door of the unit.
- 24 A. Yes.

- Q. Now, he had plenty of opportunity to ask to come onto the property before he filed his testimony; isn't that correct?
- 4 A. Yes, he did.
- Q. So he could have taken measurements from theback of the buildings.
- 7 A. Yes. And all the other single-family homes,
 8 they took it from the nearest point of the
 9 house to the road.
- 10 Q. We also had testimony from him and from
 11 several people, I think, that one of the
 12 properties at McKenna's Purchase actually
 13 might be on the right-of-way.
- 14 A. In one case it does go through an individual's deck.
- Q. So even if he stayed on the right-of-way and he didn't go on McKenna's Purchase, he could have measured the distance from that building to the edge of the right-of-way, which would have been negative two feet; is that correct?
- 21 A. Yes.
- Q. Mr. DeWan put the measurements in his
 testimony, and he ultimately testified that
 he was doing measurements from where he was

- taking the photograph, not from -- it was
 from the photograph to the structure of the
 transmission line, not from to the edge of
 the right-of-way.
- 5 A. Correct.
- Q. Again, he said that his calculations didn't -- had no effect whatsoever on his opinion, as far as McKenna's Purchase.
- 9 A. Pointed out the boundary markers that we had.

 10 We had those installed in 2011 at the time.

 11 And he took his picture from the driveway,

 12 from the roadway.
- Q. Right. And so, just to remind the Committee,
 when we took a view of the property, the
 poles with the red tops on them, that was the
 edge of the right-of-way?
- A. Yes. We had an engineer do a study of the western side of the ROW.
- Q. How many properties are within 100 feet of the edge of the right-of-way at McKenna?
- 21 A. Fifty units.
- Q. Now, in talking about economic consequences,
 do you agree with Mr. Chalmers that the only
 way to actually calculate that is to have a

- sale and to compare that sale with a comparable sale, with a property that does not have a high-voltage transmission line?
- 4 A. Yes.
- 5 Q. Did Mr. Chalmers find properties that did not 6 have a high-voltage transmission line?
- 7 A. No, he did not. He just looked at McKenna's
 8 Purchase. He didn't use any other
 9 associations as comparisons or to get a
 10 baseline.
- Q. Let's talk about exactly what the Applicant is planning to do.
- Mr. Chalmers agreed with me that it

 would be better to have the exact

 identification of where the structures are

 going. Do you agree with that?
- 17 A. Yes.
- Q. So I'm showing you two documents. One is
 Exhibit 200, which was submitted recently
 August 15, 2017, and the other we looked at
 already, Sheet 308. As you look at these
 documents and you can see where the poles are
 and where the construction pads are and where
 the access roads are, do you know where any

- of these things are actually going to be?
- 2 A. No, I don't.
- 3 Q. Is it your understanding that the towers that
- are shown on here or the poles, that they
- 5 have construction -- that they have footings,
- foundations?
- 7 A. Yes, they all -- yes.
- 8 Q. Different towers have different foundations?
- 9 A. Yes.
- 10 Q. Do you know what towers are going to be in
- this right-of-way by McKenna?
- 12 A. Well, I know what towers, but I don't know
- where they're going to be positioned exactly.
- 14 Q. Are you sure you know which towers, what kind
- of towers?
- 16 A. Well, no, I don't because they changed the
- 17 configuration at Loudon Road. They went from
- 18 a lattice-work tower on the corner of Loudon
- 19 Road to a monopole tower, which will increase
- the heights. So I believe the height at
- 21 McKenna will be increased, but I don't know
- what to.
- 23 Q. Were you here when I asked Mr. Bowes on
- Day 11 for a plan that specifically shows

- 1 exactly what is going to be cleared and when
- 2 it's going to be cleared?
- 3 A. Yes.
- 4 Q. Have you received such a plan?
- 5 A. No.
- 6 Q. Now, looking at this document that we have
- 7 up, I do want to point out that in the
- 8 original document there is a green area which
- 9 shows clearing where I'm putting the cursor
- 10 right there. Do you see that?
- 11 A. Yes.
- 12 Q. And in the more recent document, that
- 13 clearing is not there; is that correct?
- 14 A. That's correct. And while I appreciate that
- they're leaving that thin buffer, it's only
- about a 40-foot-tall buffer. So it's not
- 17 going to make much of a difference when we
- 18 start having 100-plus-foot poles.
- 19 Q. Were you here when Mr. Bowes testified that
- there's no comprehensive schedule yet
- 21 developed, that that's something that PAR is
- 22 going to do?
- 23 A. Yes.
- 24 Q. Have you seen a comprehensive schedule --

- 1 A. No.
- 2 Q. -- for McKenna?
- The documents that we've been using in
 this proceeding say, to a large extent, exact
 structure heights and placement are subject
 to change based on detailed designs. Is that
 your understanding?
- 8 A. Yes.
- 9 Q. Do you know what the fall zones are going to
 10 be for whatever structures come into this
 11 area?
- 12 A. No.

18

19

20

21

22

23

- Q. In terms of Mr. Chalmers' methodology, I
 think you started to describe -- can you
 think of any reason why you would not value a
 condominium and you would value a
 single-family home?
 - A. I don't know why he would do that. There's more people that would be affected at a condominium complex than would be affected at a single-family home. It's the most highly, densely populated area I believe along the entire route.
 - Q. Is there anything else that you'd like to add

- 1 at this point?
- 2 A. No.
- 3 Q. What is the effect going to be on McKenna?
- 4 A. Oh, I thought we already covered that. I
- feel it will be a 30- to 50-percent loss in
- 6 property values. We could lose our FHA
- 7 approval if our rent ratios become too large.
- 8 McKenna's a very quiet and -- it's an
- 9 exemplary condominium property. And once
- this goes through, it's going to have a
- devastating effect on the association.
- 12 Q. And let me be clear for the record. You do
- not live in McKenna's; is that right?
- 14 A. No, I don't.
- 15 Q. You're the manager of the property?
- 16 A. Yes, I am.
- 17 Q. And yet you care about the people --
- 18 A. Deeply.
- 19 Q. You talked about the FHA. Let me just
- 20 explore that for a moment.
- Is it fair to say that many of the units
- in McKenna are purchased using FHA loans?
- MR. NEEDLEMAN: Objection, Mr.
- Chair. We're expanding testimony now.

		151
1	1	CHAIRMAN HONIGBERG: Mr. Judge.
2	2	MR. JUDGE: Mr. Chalmers
3	3 testified	that these properties are worth zero.
4	4 And I thi	nk he also testified that there will be
5	5 no econom	ic consequence.
6	6	CHAIRMAN HONIGBERG: Sustained.
7	7 A. Yes. I'd	say probably
8	8	CHAIRMAN HONIGBERG: Wait. The
9	9 objection	is sustained. Mr. Judge should be
10	0 moving on	to a new question.
11	1	WTNESS KLEINDIENST: Oh, I'm
12	2 sorry.	
13	3	MR. JUDGE: Mr. Judge has no more
14	4 questions	•
15	5	CHAIRMAN HONIGBERG: Thank you,
16	6 Mr. Judge	•
17	7	Mr. Pappas.
18	8	MR. JUDGE: Actually, I want to
19	9 say thank	you to the Committee for allowing me
20	0 to be ill	on Tuesday and thank you to those who
21	let Ms. K	leindienst go first.
22	2	WTNESS KLEINDIENST: Yes, thank
23	you.	
24	4	CHAIRMAN HONIGBERG: Off the

152 1 record. (Discussion off the record) 2 CROSS-EXAMINATION 3 BY MR. PAPPAS: 4 Good afternoon, Ms. Kleindienst. I'm Tom 5 I represent Counsel for the Public. 6 7 Am I correct there are 148 townhouses in McKenna's Purchase? 8 Yes. 9 Α. 10 And 26 buildings? Q. 11 Yes. Α. 12 Okay. Do you have something on the screen in Q. 13 front of you? 14 Yes. Α. What's on the screen in front of you is a 15 Q. 16 page from Counsel for the Public's Exhibit 17 655. And this is a map done by Holden Engineering. Do you see that? 18 19 Α. Yes. And am I correct that at the bottom of the 20 0. 21 map is the right-of-way? 22 Correct. Α. 23 And then you see a row of buildings that abut Q. 24 the right-of-way; is that correct?

- 1 A. Correct.
- 2 Q. And am I correct that those ten buildings
- abut the right-of-way, if you count ten
- 4 buildings of units?
- 5 A. Yes.
- 6 Q. And then there are ten other buildings
- 7 immediately further from the right-of-way;
- 8 correct?
- 9 A. Yes.
- 10 Q. Would I be correct in saying that those ten
- 11 additional buildings are a few hundred feet
- 12 from the right-of-way?
- 13 A. I would say so, yes.
- 14 Q. All right. Then you see there are six other
- 15 buildings on the other side of a drive, and
- 16 those are further away from the right-of-way;
- 17 correct?
- 18 A. Yes.
- 19 Q. Now, is it -- am I correct in saying that
- 20 currently there are two existing transmission
- 21 lines in the right-of-way that abuts
- 22 McKenna's Purchase? Correct?
- 23 A. Yes.
- 24 Q. What's on the screen now is Bates Stamp 14628

- from Counsel for the Public's Exhibit 655.
- 2 And this actually comes from Mr. Chalmers'
- 3 testimony. And if you see it, it says
- 4 "Existing Right-of-Way Configuration." Do
- 5 you see that?
- 6 A. Yup.
- 7 Q. And I have indicated on there the height of
- 8 the existing poles, a distribution line of
- 9 40 feet, an existing transmission line of
- 10 55 feet, and then an existing transmission
- 11 line of 70 feet. Do you see that?
- 12 A. Yes.
- 13 Q. Okay. What's on the screen now is Bates
- 14 Stamp 14630 from the same exhibit. And this
- also comes from Mr. Chalmers' prefiled
- testimony, and it indicates the right-of-way
- configuration as part of the Northern Pass
- 18 Project. And you can see there, there will
- 19 be three lines, and there will be taller
- 20 poles ranging anywhere from 75 to 90 feet.
- 21 Do you see that?
- 22 A. Yes.
- 23 Q. So would you agree with me that currently
- 24 most of the units do not have a clear view of

- the current existing transmission line; is
- 2 that correct?
- 3 A. That's correct.
- 4 Q. They're screened by things like trees and
- 5 shrubs and so forth?
- 6 A. Yes.
- 7 Q. What's on the screen now is Bates Stamp 14632
- from Counsel for the Public's Exhibit 655.
- 9 This is a picture of existing conditions
- taken by Mr. DeWan. Do you recognize that?
- 11 A. Yes.
- 12 Q. And it was taken in April of 2015. Do you
- 13 see that?
- 14 A. Yes.
- 15 Q. And he was standing in the roadway in front
- of these two units when he took it?
- 17 A. Yes, he was.
- 18 Q. And would you agree with me that what can be
- seen is just the top of an existing
- 20 transmission pole?
- 21 A. Yes.
- 22 Q. And would you agree with me that that is not
- a clear view of the transmission tower?
- 24 A. Yes.

- Q. Okay. What's on the screen now is Bates
- 2 Stamp 14633 from Exhibit 655. And this is
- 3 Mr. DeWan's photo simulation standing from
- 4 the same spot as the prior photo; correct?
- 5 A. Yes.
- 6 Q. And you can see here much more of a
- 7 transmission line structure in the middle.
- 8 Do you see that?
- 9 A. Yes.
- 10 Q. And you can see to the right above the unit a
- pretty clear view of a transmission line;
- 12 correct? The tower?
- 13 A. Clearly visible, yes.
- 14 Q. And you can see the conductors passing in
- 15 front?
- 16 A. Yes.
- 17 Q. So would you agree with me that this shows a
- 18 clear view of the transmission structures
- 19 from this vantage point?
- 20 A. Yes.
- 21 Q. So there's a difference between the existing
- conditions where there was a partial, not
- very clear view, to a condition where there
- is a clear view; correct?

```
1
    Α.
         Yes.
         Okay. Would you also agree with me that,
2
         given the additional height of the towers,
3
         that visibility of them is possible from more
4
         vantage points than the existing conditions?
5
6
    Α.
         Yes.
7
                         MR. NEEDLEMAN: Mr. Chair, I'm
8
         going to object. This is all material that was
         in the record long ago and could have been
9
         included in Ms. Kleindienst's testimony. And I
10
11
         don't see anything that is happening here other
         than expanding on this.
12
13
                         CHAIRMAN HONIGBERG:
                                              Mr. Pappas.
14
                         MR. PAPPAS:
                                      I'm about a minute,
15
         couple minutes away from my point to my
16
         questioning. This is just setup, and I'm trying
17
         to go through it quickly.
                         CHAIRMAN HONIGBERG: We were just
18
19
         wondering up here what it is that we haven't
20
         already seen and heard about this and Ms.
21
         Kleindienst knows what we've seen and heard.
                                                         Ιf
22
         there's a question on this stuff, I would
23
         encourage you to get to it.
24
```

MR. PAPPAS:

Okay. Well, let

```
me -- I'll get to it right now.
```

BY MR. PAPPAS:

2

- What's on the screen now is the cover page of 3 Q. Mr. Chalmers' prefiled testimony dated 4 October 16, 2015, which we marked as Counsel 5 for the Public 654. And what's shown now is 6 7 Page 12 of that prefiled testimony in which 8 Mr. Chalmers testified, quote, "Based on our 9 research, those properties that could potentially be affected are homes very close 10 11 to the right-of-way that did not have a clear visibility of the existing line, but will 12 have a clear visibility of the existing line 13 14 or the new Northern Pass line after it is 15 built," close quote. Do you see that?
- 16 A. Yes.
- Q. Okay. Having looked at the
 existing-conditions photo and the photo
 simulation that we just reviewed, would you
 agree with me that, first, for those ten
 buildings that abut the right-of-way, those
 are very close to the right-of-way?
- 23 A. Yes.

24

Q. Would you agree with me, also, for those ten

- buildings, currently they do not have a clear
- visibility of the existing transmission line?
- 3 A. Yes.
- 4 Q. And would you also agree with me that, if the
- 5 Project is built, from those ten buildings
- they will have a clear visibility of the
- 7 relocated line, as well as the Northern Pass
- 8 towers?
- 9 A. Yes.
- 10 Q. Now, we looked at the map that showed the ten
- buildings immediately behind the ten
- buildings that abut the right-of-way. Do you
- 13 recall that?
- 14 A. Yes.
- 15 Q. Do you have the same view with respect to
- those ten buildings of the three items I just
- 17 went through?
- 18 A. It will be changed once the new line goes in.
- 19 The will have a clear view.
- 20 Q. And currently they don't have a clear view?
- 21 A. Currently they don't have a view.
- 22 Q. And you indicated those were within a couple
- 23 hundred feet of the right-of-way?
- 24 A. Yes.

1	MR. NEEDLEMAN: Mr. Chair, same
2	objection. Seems like we're going over old
3	material that could have all been included.
4	CHAIRMAN HONIGBERG: And we're
5	also really going over material that's not
6	there's no real factual dispute about the
7	relationship of the property to McKenna's
8	Purchase. And her testimony is about that
9	proximity and its effect, in her opinion.
10	MR. PAPPAS: Agreed. But what
11	I'm trying to she had testified in her
12	prefiled in terms of why she thinks that there
13	will be decrease in property value, and I'm just
14	trying to correlate that with what Mr. Chalmers
15	said. And that's the point of this.
16	CHAIRMAN HONIGBERG: She
17	disagrees with Mr. Chalmers. That's how it
18	correlates.
19	MR. PAPPAS: No, I'm trying to
20	correlate in terms of using Mr. Chalmers'
21	testimony as a basis to see if that's a basis
22	for her opinion. That's what I'm trying to do.
23	And I just did it.
24	CHAIRMAN HONIGBERG: Okay. And I

1.01

161 1 think we would all stipulate that Mr. Chalmers' opinion is not the basis for Ms. Kleindienst's 2 opinion. 3 MR. PAPPAS: Well, not 4 necessarily his opinion, but the methodology, 5 the three criteria --6 7 CHAIRMAN HONIGBERG: 8 disagrees with his methodology, too. MR. PAPPAS: Well, let me be more 9 precise. The three criteria in his testimony is 10 11 what I just walked her through to see if she -using that criteria, if that supports her 12 position. That's what --13 14 CHAIRMAN HONIGBERG: All right. 15 MR. PAPPAS: And with that, I 16 have no other questions. 17 CHAIRMAN HONIGBERG: Ms. Pacik. 18 MS. PACIK: Could we get the 19 ELMO, please? 20 CROSS-EXAMINATION 21 BY MS. PACIK: 22 Good afternoon. Danielle Pacik from the City 23 of Concord. 24 I have in front of you on the screen,

 $\{SEC\ 2015-06\}\ [DAY\ 70\ MORNING\ ONLY\ SESSION]\{12-21-17\}$

and we're going to just blow this up a little
bit, it is Sheet 308 from the Alteration of
Terrain plans from August 18, 2017. And the
quality isn't great, so I do apologize. But
on this plan, where there's an arrow -- are
you familiar with this plan?

- 7 A. Yes.
- 8 0. Okay. This is the revised plan which shows the area where there will be vegetative 9 clearing. And on the revised plan where the 10 11 arrow is, there's a small location of green 12 which shows, according to Northern Pass, the only area of vegetative clearing. Are you 13 familiar with that? 14
- 15 A. I see it.
- Q. And based on your knowledge of the edge of
 the right-of-way at McKenna's Purchase, the
 area that's circled near Brenda Court, there
 is a construction pad. Do you see that next
 to the arrow on the right?
- 21 A. Yes.
- Q. And the edge of the right-of-way, you've
 marked a pole, is that correct, in that
 location that we saw during the site visit?

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1
         We didn't actually see that one.
                                             That one's
    Α.
         right abutting that end unit's deck.
2
         Okay. And the construction pad where it's
3
    Q.
         being shown on this map, does it make any
4
5
         sense that they would be able to accomplish
         construction in that location without having
6
7
         vegetative clearing in that area?
8
         I don't see how they could do it.
9
                         CHAIRMAN HONIGBERG: Wait, wait,
         Ms. Kleindienst --
10
11
                                          I'm going to
                         MR. NEEDLEMAN:
         object on the basis that I don't think she's an
12
         expert and can testify about these issues.
13
14
                         CHAIRMAN HONIGBERG:
                                               Ms. Pacik,
15
         this is just someone's lay opinion about what
16
         they can do there.
17
                         MS. PACIK: No, it's on the map,
         based on where she knows the edge of the
18
19
         right-of-way and the distance shown to the
20
         construction pad, based on her familiarity with,
21
         you know, boots-on-the-ground knowledge of the
22
         area --
23
                         CHAIRMAN HONIGBERG:
                                               Sustained.
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MS. PACIK: -- and where the

1 trees are --2 CHAIRMAN HONIGBERG: Sustained. MS. PACIK: -- and what her 3 opinion is. 4 5 CHAIRMAN HONIGBERG: Sustained. I think it would have to all be cleared --6 Α. 7 CHAIRMAN HONIGBERG: Wait, wait It's now Ms. Pacik's turn to either make 8 wait. some other statement or ask another question 9 because the objection was sustained. 10 11 MS. PACIK: Okay. I quess I can just lay a foundation a little bit better if 12 that's necessary, in terms of Ms. Kleindienst's 13 14 knowledge of where the trees are in proximity to 15 the right-of-way. 16 CHAIRMAN HONIGBERG: Your 17 question is about whether someone can do construction in that area without doing 18 clearing. We have no basis to believe that Ms. 19 20 Kleindienst is capable of rendering such an 21 opinion -- or I'm sorry, let me put it a 22 different way -- qualified to render such an 23 opinion. And it appears to be well beyond the 24 scope of what she offered in direct testimony.

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MS. PACIK:
                                     Maybe I need to just
1
         clarify the basis of this question. But where
2
         the edge of the right-of-way is, the trees --
3
         let me think about this for just one second.
4
    BY MS. PACIK:
5
         Ms. Kleindienst, the location that's being
6
7
         shown on the Alteration of Train map where
8
         there's the edge of the construction pad
         which is in the black circle, based on your
9
         knowledge of the area, is there vegetation in
10
11
         that area?
12
                         MR. NEEDLEMAN:
                                         Objection.
         Again, this speaks to the accuracy of the maps
13
         and the feasibility of construction in relation
14
15
         to the accuracy of the maps. And for the same
         reason, she's not qualified to testify to this.
16
17
                         CHAIRMAN HONIGBERG:
                                              Well, that
         specific question was only looking at that
18
19
         boundary; is there vegetation within that
20
         boundary. She may or may not know the answer to
         that question, but it doesn't go beyond that.
21
22
                         Is there vegetation within the
23
         boundary, as Ms. Pacik just outlined it?
24
                         WTNESS KLEINDIENST:
                                               Yes.
```

1 MS. PACIK: That's all I have

then. Thank you.

CHAIRMAN HONIGBERG: Ms. Menard.

4 CROSS-EXAMINATION

5 BY MS. MENARD:

6

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Q. Good afternoon. Jeanne Menard, here,
representing Deerfield Abutters. I just have
one question for you.

In an afternoon session of a cross-examination of Mr. Chalmers on April 13th, Attorney Judge was having a discussion with Mr. Chalmers regarding economic impact and the guaranty buyout program where property owners who are going to sell their property could qualify. Are you familiar with that program?

- A. I'm sorry. What program?
- Q. It's called the Loan Guaranty Program. Not necessary that you remember the details of the program. I'm just putting it in context of the question that Mr. Chalmers was asked by Mr. Judge.

Mr. Chalmers recognized the fact that

McKenna's Purchase wouldn't qualify for the

```
program, given the nature of it being a condo
1
         association. And Mr. Quinlan -- excuse me.
2
         This is a conversation of Mr. Judge and Mr.
3
         Quinlan regarding Mr. Chalmers' criteria for
4
5
         this buyout program.
               And Mr. Quinlan responds on Line 20,
6
7
         Page 173, "This program does not apply, but
         we had made significant design enhancements
8
         in and around the McKenna's Purchase area to
9
         mitigate impacts."
10
11
               Did the methods that Mr. Quinlan
         described to reduce visual impacts of the
12
         Project mitigate your concerns about property
13
14
         value impacts?
15
         No.
    Α.
16
                                      Thank you.
                         MS. MENARD:
                                                   That's
17
         all I have.
                         CHAIRMAN HONIGBERG:
                                               Did I miss
18
19
         any intervenor groups who had questions for Ms.
         Kleindienst?
20
21
                [No verbal response]
22
                         CHAIRMAN HONIGBERG:
                                               Questions
23
         from the Committee?
24
                         Oh, I'm sorry. Mr. Walker,
```

- 1 you may have questions.
- 2 MR. WALKER: Just a few.
- 3 CHAIRMAN HONIGBERG: I'm sure
- 4 it's just a few. I'm confident of that.
- 5 CROSS-EXAMINATION
- 6 BY MR. WALKER:
- 7 Q. Good morning, Ms. Kleindienst. Am I saying
- 8 your name correctly?
- 9 A. Yes, you are.
- 10 Q. All right.
- 11 A. One of a very few.
- 12 Q. Just a few questions. You've been involved
- with McKenna's Purchase for how many years?
- 14 A. Ten. 2008.
- 15 Q. So you're familiar with the different
- 16 communications between the Project and
- 17 McKenna's Purchase?
- 18 A. Yes.
- 19 Q. I want to bring up Applicant's Exhibit 154,
- 20 Ms. Kleindienst. And this is something
- that's already been introduced. I'm not sure
- if you've seen this. This is a summary of
- the different communications between the
- 24 Project and McKenna. Have you seen this?

- 1 A. Yes.
- Q. I want to focus on the correspondence

 briefly, and particularly the letter that was

sent to you on April 18, 2014.

- MR. WALKER: And Dawn, if you could bring that up, please. That's Exhibit 484.
- 8 Q. Have you had a chance to take a quick look at 9 that, and do you remember this letter, Ms. 10 Kleindienst?
- 11 A. Yes. And I sent a follow-up letter to it.
- Q. So this was a letter -- and just for the
 Committee's perspective, this is a letter
 that the Project sent to you acknowledging
 concerns that were raised by McKenna with
 regard to the Project and noting that they
 wanted to consider those concerns and meet

wanced to complact those concerns and mee

with the McKenna's Purchase to discuss

19 alternatives; correct?

- 20 A. Yes.
- 21 Q. And ultimately there was another letter sent
- 22 to McKenna's because you refused to have a
- meeting shortly thereafter; is that right?
- 24 A. No, we asked for specific plans.

- 1 Q. Before you met.
- 2 A. Before we met.
- 3 Q. I see.
- A. The directors specifically requested. And this letter actually came up because of an open meeting at the Grappone Center. There
- 7 was no conversation with me.
- 8 MR. WALKER: Dawn, if you could
- 9 pull up Applicant's Exhibit 485, please.
- 10 BY MR. WALKER:
- 11 Q. Do you recall this letter, Ms. Kleindienst?
- 12 A. Yes.
- 13 Q. So in this letter you'll note that the
- 14 Project is enclosing the plans of the
- 15 proposed alternatives to what was already
- 16 proposed; is that right?
- 17 A. I'm sorry. Could you repeat that?
- 18 Q. Yeah, that was a bad question.
- 19 So, in this letter the Project is asking
- again for a meeting. And in the bottom
- 21 paragraph they state, again, that we want to
- 22 meet with you to go over what we consider
- 23 proposed alternatives, meaning what the
- 24 Project considers proposed alternatives;

- 1 right?
- 2 A. And the directors wanted final plans.
- 3 Q. And with this letter, with a copy of this
- 4 letter, the final plans were submitted -- or
- 5 proposed plans were submitted to make changes
- to what had been proposed; is that right?
- 7 A. Yes.
- MR. WALKER: Okay. And Dawn, if
- 9 you could go to the next -- or the first
- 10 drawing, please, attached to that letter.
- 11 BY MR. WALKER:
- 12 Q. And this is the existing right-of-way that
- abuts McKenna's; correct?
- 14 A. Yes.
- 15 Q. And there are three lines that go through
- 16 that corridor?
- 17 A. Yes.
- 18 Q. And those three lines have been there since
- 20 A. Yes.
- MR. WALKER: And if you could go
- 22 to the last drawing, Dawn, which is the proposed
- 23 alternative.
- 24 BY MR. WALKER:

- 1 Q. And in this proposal, the Project had
- 2 represented that it could relocate the berm
- 3 closer to McKenna's; correct?
- 4 A. Yes.
- 5 Q. And that would allow for lowering the heights
- of the other towers; is that right?
- 7 A. I'm sorry?
- 8 Q. By moving the berm, they could also reduce
- 9 the height of the other structures?
- 10 A. I don't know about that.
- 11 Q. Well, I'll represent to you that that is
- actually explained in the letter to you dated
- 13 April 18. They discuss that by "moving the
- berm, we can lower the structure height."
- 15 A. Yes.
- 16 Q. But it was not a meeting after you received
- these plans in May 2014; correct?
- 18 A. Correct.
- 19 Q. Why did you not agree to meet with the
- 20 Project at that time?
- 21 A. If you go down and look at the bottom of
- this, it says it's a preliminary design and
- 23 subject to change.
- 24 Q. This was something being proposed that they

- wanted to discuss with McKenna's Purchase;
 right?
- 3 A. Yes. And we had asked for a final plan, and they never came back with one.
- Q. Well, there was a meeting again in November of 2016. We talked -- Mr. Judge asked you about that meeting earlier.
- A. Oh, we walked the property with a few representatives, yes.
- Q. And were there proposals discussed with you as to the design and potential alterations that could be made?
- A. There was a discussion. We never received anything in writing.
- 15 Q. Did I hear you say that -- you made some
 16 changes to your supplemental or your prefiled
 17 testimony. And I think I heard you explain
 18 that since you filed your prefiled testimony,
 19 the average sale price of a McKenna's unit
 20 has gone up?
- 21 A. Yes.
- Q. And that's during the pendency of the Application before this proceeding?
- 24 A. Yes.

- 1 Q. Thank you.
- 2 A. Thank you.
- 3 CHAIRMAN HONIGBERG: Now
- 4 Commissioner Bailey.
- 5 QUESTIONS BY SUBCOMMITTEE MEMBERS AND SEC COUNSEL:
- 6 BY COMMISSIONER BAILEY:
- 7 Q. Following up on Mr. Walker's question about
- the sale price, are buyers aware that
- 9 Northern Pass is going to go through there
- 10 possibly?
- 11 A. Some are. A lot of people don't pay
- 12 attention to that. People just think that
- it's going to go in an existing right-of-way,
- and I just don't think they realize the
- 15 magnitude of the change from a transmission
- 16 line for the North Country to a high-voltage
- 17 distribution line to the south. I don't
- 18 think they realize that the poles are going
- 19 to be that much larger.
- 20 Q. Are the buyers people from out of state?
- 21 A. They're from the area.
- 22 Q. Oh, okay. When were the buildings
- 23 constructed?
- 24 A. They were built in the late '80s, early '90s.

- Q. Do you understand why the developer built the buildings so close to the edge of the right-of-way?
- A. I have no idea. I would have thought that
 the city, you know, inspector would have made
 sure that didn't happen because the
 right-of-way was issued back in the 1950s to
- 9 Q. Isn't that usually something, though, that
 10 somebody who's going to build condominiums
 11 would look at?

illuminate the North Country.

- 12 A. Yes, as should the building inspector for the
 13 City of Concord. I mean, the plans were
 14 submitted, so...
- 15 Q. Okay. That's all I have. Thanks.
- 16 CHAIRMAN HONIGBERG: Ms.
- Weathersby.

- MS. WEATHERSBY: I have no
- 19 questions.
- 20 CHAIRMAN HONIGBERG: Mr. Way.
- 21 QUESTIONS BY MR. WAY:
- Q. Good afternoon, now. In your prefiled testimony I was reading about the FHA
- funding. And I think that was talked about

- earlier. Tell me again why you think that that might be in jeopardy.
- 3 A. It may be because of our rental percentage.
- 4 If you go over a certain percentage in
- rentals, then you wouldn't be FHA-approved.
- You have certain points that you have to meet for FHA approval.
- 8 Q. What's the percentage?
- 9 A. It's 50 percent. But what I'm afraid of is
- 10 people, if they lose quite a bit of their
- 11 property value, they may choose to rent and
- leave the property because they won't want to
- be living next to the right-of-way, or they
- may walk away from their property, which
- would create a lot of bankruptcies or
- 16 properties just abandoned.
- 17 Q. And have you had any communications with FHA,
- 18 V.A. or any of the other lenders about this
- 19 potential or --
- 20 A. No.

- 21 Q. -- your concerns?
- 22 A. No, I just go by their specifications on
- their requirements.
 - Q. We heard from the City of Concord about some

- of the development along Loudon Road and in
 that area. And I'm trying to get a sense how
 that's impacted your facility, McKenna's
 Purchase. How has that impacted sales?

 A. It really hasn't impacted sales so far. But,
 you know, they don't have -- I don't know
 - you know, they don't have -- I don't know what's going to happen when they start doing everything at the Loudon Road turn. There's quite a turn there that goes from Loudon Road to McKenna's, and it's a difficult thing to maneuver. They went from the lattice-work tower to the monopole. So I'm afraid that our poles are going to be higher than what has already been presented to you -- to us.
 - Q. But in terms of the buildout of Loudon Road,
 has any of the prospects coming to your
 location, have they listed that as a concern
 or --
- 19 A. No.

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- 20 Q. All right. Thank you.
- 21 A. Thank you.
- 22 CHAIRMAN HONIGBERG: Mr.
- 23 Oldenburg.
- 24 QUESTIONS BY MR. OLDENBURG:

- Q. Good morning. Question about the berm that's in the right-of-way.
- When McKenna's was built, did McKenna's build the berm, or did Eversource, the electric company, build the berm?
- No, I believe that was put in by KeySpan or 6 7 Key -- yeah, KeySpan. It's the natural gas. There's a natural gas line distribution line 8 that runs the entire length of the 9 right-of-way. And they put that in. And we 10 11 also put the pines. We planted -- the association did. This was before my time. 12 But the association put in the pines to keep 13 14 the noise from Home Depot, Shaw's, et cetera. 15
 - Shaw's also put in a berm behind their property when they built the property so that it would keep us buffered from all of the noise from those stores.
 - Q. So the berm was sort of created so that the plantings could go on top of it to increase the height of the barrier or --
- 22 A. We did it for both visual and noise.

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Q. So if the berm is relocated, there's going to
be an additional strip of potential trees or

- vegetation that would have to be cleared
 specifically to build the berm on. Is that
 your understanding or --
- A. Yeah. All that vegetation that we walked
 through when we did the site, it would all
 have to be cleared so they could do their
 temporary construction pads. And the berm
 itself, if it was moved, there would be trees
 on top of the berm that would have to be
 taken down.
- Q. So if this goes forward, are you for or against relocating the berm?
- 13 A. It depends upon what they plan on doing. If
 14 they relocate the berm, then we're going to
 15 lose all the vegetation that's on that berm.
 16 And, you know, if saplings are put in its
 17 place, it's not going to do much for visual
 18 or sound, so... yeah.
- 19 Q. All right.
- MR. OLDENBURG: That's all I
- 21 have.
- 22 CHAIRMAN HONIGBERG: Ms.
- Weathersby.
- 24 QUESTIONS BY MS. WEATHERSBY:

- 1 Q. Good afternoon. Is there a difference in the
- 2 sales price of the units that abut the
- 3 right-of-way compared to the ones that do not
- 4 abut the right-of-way?
- 5 A. Not so far. I did have the one unit that I
- 6 mentioned in my prefiled testimony that I had
- 7 people walk away because of Northern Pass,
- and it was one of the lowest selling units
- 9 within the association. It was a hardship
- 10 situation, so...
- 11 Q. Okay. Thank you.
- 12 CHAIRMAN HONIGBERG: Mr.
- 13 Iacopino.
- 14 QUESTIONS BY MR. IACOPINO:
- 15 Q. First question is: Does McKenna's Purchase
- 16 have any Joint Use Agreements with the
- 17 easement holder?
- 18 A. Yes, we do.
- 19 Q. And what are those for?
- 20 A. They're for our retention ponds.
- 21 Q. Okay.
- 22 A. You could see them outlined in white on all
- 23 of the --
- 24 Q. And I also noted on the site visit there was

- an area where there was a bunch of trailers and boats, things like that kept. Is that part of a Joint Use Agreement as well?
- A. No. We just use that as a parking area.

 It's never been a problem.

- Q. And my question is about your interaction with the Applicant requiring the Applicant to provide you with a final plan. Did you not want to have input into what the final plan might be?
- A. We had met with them numerous times. And
 every time they would come, they would say,
 "We think we can do this." "We may possibly
 be able to do that, but we don't know." And
 that's why the directors took that stand.
 When you have a decision or when -- they gave
 us, like, three or four plans. But they
 could never say, "Yes, we could do this." We
 had picked the plan we thought would be most
 advantageous for the association. But once
 again, it came with a caveat of "We may or
 may not be able to do this."
- Q. But you knew they were going to have to go through a process like this and the Site

182 Committee might change their plans --1 2 Α. Yeah. -- or might put conditions on their plans. 3 Q. 4 Α. Yes. IACOPINO: No further 5 MR. 6 questions. 7 CHAIRMAN HONIGBERG: Anything else from the Committee? 8 [No verbal response] 9 10 CHAIRMAN HONIGBERG: Mr. Judge, 11 do you have any redirect? MR. JUDGE: One question. 12 13 REDIRECT EXAMINATION 14 BY MR. JUDGE: Ms. Kleindienst, and I'm probably not 15 Q. 16 pronouncing that correctly -- Michelle. 17 Α. You can call me Michelle, yeah. You were questioned by Mr. Walker about 18 Exhibit 154. That's the list that the 19 20 Applicant made of contact with McKenna's 21 Purchase. And I just want to draw your 22 attention to the entry on that item for 23 November 18th, 2016. Do you recall that, 24 next to the typed thing, what's written is

[WITNESS: KLEINDIENST]

			183
1		"nothing promised"?	
2	A.	Yes.	
3		MR. JUDGE: Thank you. Nothing	
4		further.	
5		CHAIRMAN HONIGBERG: Thank you,	
6		Ms. Kleindienst. You can return to your seat.	
7		We're going to be breaking for	
8		lunch, and we'll return at about quarter to	
9		two.	
10		(Whereupon the Day 70 Morning	
11		Session was adjourned at 12:44	
12		p.m., with the Day 71 Afternoon hearing	
13		to resume after lunch recess.)	
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CERTIFICATE

I, Susan J. Robidas, a Licensed
Shorthand Court Reporter and Notary Public
of the State of New Hampshire, do hereby
certify that the foregoing is a true and
accurate transcript of my stenographic
notes of these proceedings taken at the
place and on the date hereinbefore set
forth, to the best of my skill and ability
under the conditions present at the time.

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

Susan J. Robidas, LCR/RPR
Licensed Shorthand Court Reporter

Registered Professional Reporter
N.H. LCR No. 44 (RSA 310-A:173)

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